

DOE/C4/10285--T3

**FINAL REPORT ON DECOMMISSIONING OF  
WELLS, BOREHOLES, AND TILTMETER SITES  
GULF COAST INTERIOR SALT DOMES  
OF LOUISIANA**

**REVISION 0**

**JULY 1989**



**Prepared by: Stone & Webster Engineering Corporation**

**Prepared for: U.S. Department of Energy  
Salt Repository Project Office**

**MASTER**

**DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED**

*for*

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**B. State Documentation**

Office of Conservation (OC):	Form
Amended Permit to Drill for Minerals	(MD-15-R)
Work Permit	(DM-4R-Rev)
Injection Well Work Permit	(UIC-17)
Plug and Abandon Report	(P & A)
Well History and Work Resume	(WH-1)
Brine Manifest	
Department of Transportation and Development (DOTD): Water Well and Abandonment Form	(DOTD-GW-2)

**C. Additional Documentation**

Variance Requests and Approvals  
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## 1.0 INTRODUCTION

In the late 1970s, test holes were drilled in northern Louisiana in the vicinity of Vacherie and Rayburn's Salt Domes as part of the Department of Energy's (DOE) National Waste Terminal Storage (NWTS) (renamed the Civilian Radioactive Waste Management (CRWM)) program. The purpose of the program was to evaluate the suitability of salt domes for long term storage or disposal of high level nuclear waste. The Institute for Environmental Studies at Louisiana State University (IES/LSU) and Law Engineering Testing Company (LETCo) of Marietta, Georgia performed the initial field studies. In 1982, DOE awarded a contract to the Earth Technology Corporation (TETC) of Long Beach, California to continue the Gulf Coast Salt Dome studies. In 1986, DOE deferred salt domes from further consideration as repository sites. In 1987, Stone & Webster Engineering Corporation (SWEC) was awarded a contract for the Technical and Field Services for the Salt Repository Project Office of DOE. Under this contract, SWEC was assigned responsibility for the decommissioning of test sites in Louisiana, Mississippi, Utah, and Texas.

This report describes test well plugging and site abandonment activities performed by SWEC in accordance with Activity Plan (AP) 1-3, Well Plugging and Site Restoration of Work Sites in Louisiana. The objective of the work outlined in this AP was to return test sites to as near original condition as possible by plugging boreholes, removing equipment, regrading, and seeding. Appendices to this report contain forms required by State of Louisiana, used by SWEC to document decommissioning activities, and pertinent documentation related to lease/access agreements.

### 1.1 PARTICIPANTS

The organizations involved in decommissioning activities in Louisiana and their role/responsibilities are summarized below:

1. Department of Energy/Salt Repository Project Office (DOE/SRPO)  
The branch of DOE responsible for overseeing studies related to siting a high level nuclear waste repository in salt. Salt sites were deferred from further consideration as a result of the December 1987 amendment to the Nuclear Waste Policy Act. Since that time, SRPO activities have focused on the closeout and restoration of sites in Texas, Mississippi, Louisiana, and Utah.
2. Battelle Memorial Institute - Office of Nuclear Waste Isolation (ONWI)  
The Battelle Memorial Institute, under contract to DOE, managed the geologic studies performed in Louisiana by other subcontractors (IES/LSU, LETCo, and TETC) through October 1986. ONWI was responsible for maintaining the final Records Turnover Packages (RTPs) provided by the subcontractors. Battelle/ONWI provided microfilm of applicable drilling/completion records for SWEC's review.
3. Institute for Environmental Studies/Louisiana State University (IES/LSU)  
IES/LSU worked closely with Law Engineering Testing Co. in performing early drilling and testing programs in Louisiana. In preparing for field activities, SWEC used many of the reports prepared by IES/LSU.

4. Law Engineering Testing Company (LETCo)  
Under contract to Battelle, LETCo worked closely with IES/LSU in performing early (1975-1980) field studies in Louisiana. During this time, LETCo drilled and installed a majority of the test holes and tiltmeters located in northern Louisiana.
5. The Earth Technology Corporation (TETC)  
Under contract to Battelle, TETC was the Southern Region Geologic Program Manager (GPM) for the Gulf Coast Salt Domes from 1982 to 1987. Field work performed by TETC consisted primarily of monitoring existing test wells. In 1986, TETC plugged and abandoned all but two wells (LSU-RIA, and DOE - Continental No. 1) at Rayburns Dome. Before SWEC started decommissioning activities, it was necessary to transfer test well operatorship, lease agreements, government property, and related records from TETC to SWEC.
6. Stone & Webster Engineering Corporation (SWEC)  
In 1987, DOE awarded the Technical and Field Services Contract (TFSC) to SWEC for continuing studies related to siting a high level nuclear waste repository in salt. The contract's scope included the decommissioning of deferred salt sites in Utah, Mississippi, Louisiana and Texas. Early in 1988, DOE directed SWEC to proceed with decommissioning and restoration of these sites.
7. Louisiana Department of Transportation and Development (DOTD)  
DOTD regulations, as set forth in Chapter III, Rules, Regulations and Standards for Plugging Abandoned Water Wells and Holes, govern plugging and abandonment activities for all DOE test wells drilled in Louisiana.
8. Louisiana Department of Natural Resources, Office of Conservation (OC)  
The OC Amendment to Statewide Order No. 29-B contains regulations regarding plugging and abandonment of oil, gas, and deep disposal wells. The DOTD and OC have concurrent jurisdiction over DOE boreholes drilled deeper than freshwater sands. During plugging operations it was necessary for SWEC to contact OC and/or DOTD for clarification of regulations, or to request a variance.
9. Louisiana Department of Environmental Quality (DEQ)  
DEQ normally regulates the plugging of boreholes associated with landfill sites and does not have direct jurisdiction over the deeper DOE test holes drilled in Louisiana. At their request SWEC maintained contact with the DEQ to keep them informed about shallow borehole activities.
10. Department of the Army, St. Louis District, Corps of Engineers (COE)  
The majority of the access/lease agreements in Louisiana are between private landowners and the COE. SWEC worked closely with the COE to establish the status of existing leases, to reestablish expired agreements, and to obtain damage releases from landowners.

## 1.2 SCOPE OF WORK

As Technical and Field Services Contractor (TFSC) for the Salt Repository Project, SWEC was responsible for decommissioning observation wells,

geotechnical boreholes, shallow borings, and tiltmeter pits. Initial records search identified 20 wells of varying depth at 10 different sites (Figure 1), 5 geotechnical boreholes, 118 shallow borings, and 11 tiltmeter pits. Subsequent research and site reconnaissance revealed that not all wells, borings, and pits listed above required decommissioning work. Details of the work accomplished are found in Section 3.0 of this report.

SWEC's Activity Plan (AP) 1-3, "Well Plugging and Site Restoration of Work Sites in Louisiana," outlines the general scope of work, and a planned sequence of activities for the preparation, plugging, and restoration of the various types of test sites. The AP incorporates, by reference, Louisiana State regulations that apply to plugging and abandonment of specific types of test holes, and state forms to be filed by the operator (SWEC) and the state licensed subcontractor (Southwestern Laboratories) who actually performed the work in the field.

SWEC's Project Technical Procedure (PTP) 1-18, "Plugging and Abandonment of Boreholes and Restoration of Work Sites" outlines the steps and documentation required by the project for decommissioning of the sites. This PTP contains attachments that were used for documenting site reconnaissance, borehole plugging, perforating and squeeze cementing, site restoration, as well as daily and weekly progress.

## 2.0 PREREQUISITES

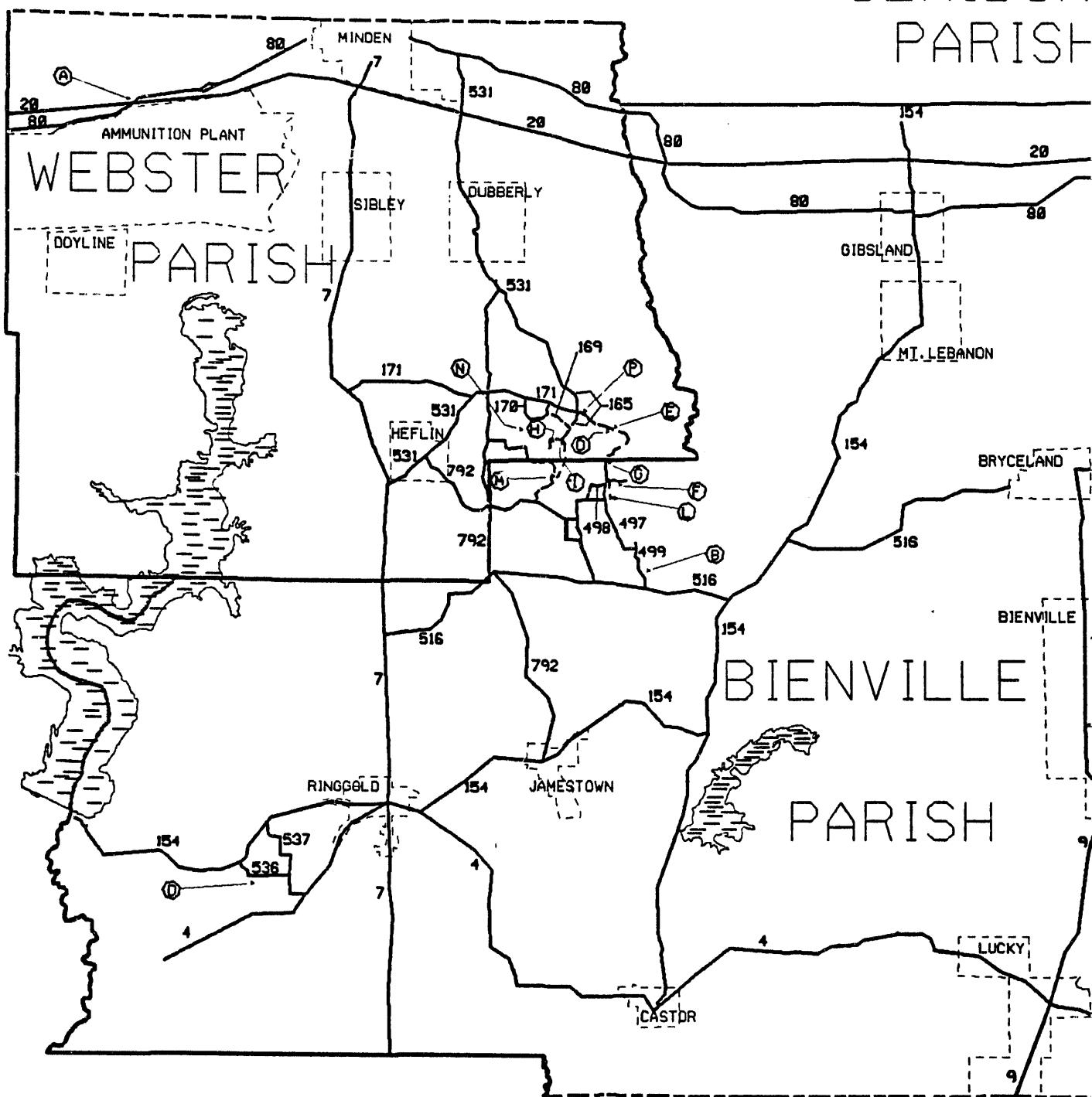
State records (DOTD, OC, and Geologic Survey), Project Records Turnover Packages (provided by Battelle Memorial Institute), Project Topical Reports (prepared by IES/LSU, LETCo, and TETC), and access/lease agreement information were reviewed by SWEC to determine whether all data relating to decommissioning was accurate and up to date. The review identified 11 additional shallow boreholes and one deep well not included in SWEC's original Activity Plan. DOE directed SWEC to include these sites in the scope of decommissioning activities in Louisiana. The records search also revealed that well V-6 had been included on an incorrect landowner's lease agreement. This error required entering into a new access agreement with the correct landowner. Table 2-1 provides a complete list of wells included in the scope of plugging and restoration activities in Louisiana.

Regulations issued by State agencies were thoroughly reviewed and were considered at all steps of the decommissioning process. Observation wells drilled below fresh water sands, are jointly regulated by the OC and DOTD and are supposed to be permitted by the state and receive a serial number from the OC. Five of the DOE wells (the four V-series wells, and the LSU-R1A well) were not permitted at the time of drilling. To facilitate filing of plugging and abandonment records, the OC assigned these wells permit numbers (see telecon memo of 8/31/88, Appendix D) and requested that SWEC use Injection Well Work Permits (UIC-17) rather than the normal DM-4R, and that all documentation be submitted directly to the OC Injection Mining Division in Baton Rouge, rather than to the district office.

DOTD regulations are set forth in Chapter III, Rules, Regulations, and Standards for Plugging Abandoned Water Wells and Holes. Section 3.2.0.0 of this document establishes the licensing and documentation requirements of the well owner and plugging contractor. This section states that plugging

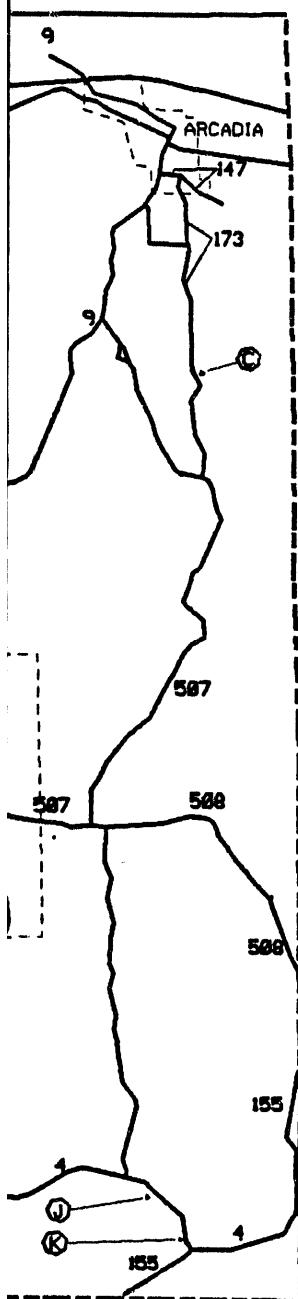
# CLAIBOR PARISH

## BOSSIER PARISH



NOTE: NOT ALL ROADS SHOWN OR COMPLETED.

NE



SITE LOCATION KEY

- A LH-2
- B LVH-6
- C LH-7
- D LH-17
- E V-4
- F V-5
- G V-6
- H V-7
- I DOE SMITH \*1
- J DOE CONT. \*1
- K LSU R1A
- L T-1
- M T-2
- N T-3
- O T-4
- P T-5

SCALE



**STONE & WEBSTER  
ENGINEERING CORP.**  
**LOCATION PLAN**  
**DOE/SRPO TFSC 17500.26**  
**FIGURE 1**

TABLE 2-1  
WELL STATUS SUMMARY

HOLE/TILT METER NAME	LOCATION	LANDOWNER	OPERATOR	OC	OC	ACCESS AGREEMENT			LANDOWNER RELEASE (DATE)	STATUS
				PERMIT SERIAL NO.	WORK PERMIT NO.	WITH	TYPE	EXPIRES		
LP&L - LH2A	1233.4'EWL & 360.4' SML, SEC.3, T18N, R10W, Webster Parish	Louisiana Power & Light (LP&L)	SWEC	165974	1050-88-1	SWEC	LEASE	10/1/88	Not Obtained See Note 1	PLUGGED
LP&L - LH2B	1224.95'EWL & 288.15' SML, SEC.3, T18N, R10W, Webster Parish	Louisiana Power & Light (LP&L)	SWEC	165975	1049-88-1	SWEC	LEASE	10/1/88	Not Obtained See Note 1	PLUGGED
LP&L - LH2WS	1280.52'EWL & 415.81' SML, SEC.3, T18N, R10W, Webster Parish	Louisiana Power & Light (LP&L)	SWEC	165973	1048-88-1	SWEC	LEASE	10/1/88	Not Obtained See Note 1	PLUGGED
KCI Hodge Holdings LHV6A	1882.3'NSL & 178.4'EWL, SEC.35, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	168160	1054-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LHV6B	1965.6'NSL & 233.7'EWL, SEC.35, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	168161	1053-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LHV6C	2048.9'NSL & 289'EWL, SEC.35, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	168162	1052-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LHV6WS	2102.9'NSL & 452.0'EWL, SEC.35, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	166668	1051-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LH7A	22.25'NSL & 816.00'EWL, SEC.5, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	166669	1056-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LH7B	14.1'NSL & 711.3'EWL SEC.5, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	166667	1055-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LH7WS	621.85'EWL & 28.71'SML, SEC.8, T17N, RSW, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	166670	1058-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LH17A	2475'NSL & 641.91'EWL, SEC.12, T15N, R10W, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	168158	1047-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
KCI Hodge Holdings LH17B	2406.8'NSL & 640.0'EWL, SEC.12, T15N, R10W, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	SWEC	168159	1046-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED

TABLE 2-1  
WELL STATUS SUMMARY

HOLE/TILTMETER NAME	LOCATION	LANDOWNER	OPERATOR	OC PERMIT SERIAL NO.	OC WORK PERMIT NO.	ACCESS AGREEMENT			LANDOWNER RELEASE (DATE)	STATUS
				WITH	TYPE	EXPIRES				
KCI Hodge Holdings LH17WS	2555.0'NSL & 656.9'EWL, SEC.12,T15N,R10W, Bienville Parish (Note 3)	KCI Hodge Holdings, Inc.	SWEC	166673	1057-88-1	COE	LEASE	9/30/88	6/5/89	PLUGGED
A.K.C. Rayford - V4	1212.55'NSL & 630.64'EWL, SEC.15,T17N,R8W, Webster Parish	A.K.C.Rayford	NOT REQUIRED	971960	007356	COE	LEASE	9/30/88	6/19/89	PLUGGED
E.S. Connell - V5	2013.18'NSL & 747.35'EWL, SEC.22,T17N,R8W, Bienville Parish	E.S.Connell	NOT REQUIRED	971961	007357	COE	LEASE	9/30/90	6/10/89	PLUGGED
G.P. Theus - V6	23.38'SWL & 116.85'EWL, SEC.22,T17N,R8W Bienville Parish	G.P.Theus	NOT REQUIRED	971962	007358	SWEC	LEASE	7/28/89	11/28/88	PLUGGED
E.S. Connell - V7	1498.51'SWL & 1047.86'EWL, SEC.17,T17N,R8W, Webster Parish	E.S.Connell	NOT REQUIRED	971963	006703	COE	LEASE	9/30/90	6/10/89	PLUGGED
LSU - RIA	307.39'EWL of EAST HALF of SE 1/4 & 1010.26'NSL of SEC.31,T17N,R8W, Bienville Parish	D.D.Mines	NOT REQUIRED	971964	007359	SWEC	LEASE	8/5/89	3/16/89	PLUGGED
Continental F.I. No. 1	1410'EWL of SEC.31 & 295'NSL of NE COR. of the SE 1/4 of the SW 1/4 of SEC.31,T15N,R8W, Bienville Parish (Note 3)	Continental Hodge Woodlands Inc.	DOE	157684	2118-88-1	DR. R. THOMS	LEASE	9/30/88	5/17/89	PLUGGED
Smith, et al - No. 1	510'S & 150'W of NW/COR. of NE 1/4 of SW 1/4 of SEC.16,T17N,R8W, Webster Parish	E.S.Connell	DOE	157091	2117-88-1	COE	LEASE	9/30/89	See Note 2	PLUGGED
Tiltmeter - T1	1215.17'NSL & 103.82'EWL SEC.22,T17N,R8W, Bienville Parish	E.S.Connell	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	COE	LEASE	9/30/90	6/10/89	BACKFILLED & RESTORED
Tiltmeter - T2	2278.85'NSL & 4065.20'EWL SEC.20,T17N,R8W, Bienville Parish	E.S.Connell	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	COE	LEASE	9/30/90	6/10/89	BACKFILLED & RESTORED
Tiltmeter - T3	784.34'SWL & 113.08'EWL SEC.18,T17N,R8W, Webster Parish	P.D.Holley	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	COE	LEASE	9/30/89	6/5/89	BACKFILLED & RESTORED

TABLE 2-1  
WELL STATUS SUMMARY

HOLE/TILT METER NAME	LOCATION	LANDOWNER	OPERATOR	OC	OC	ACCESS AGREEMENT WITH	EXPIRES	LANDOWNER RELEASE (DATE)	STATUS
				PERMIT SERIAL NO.	WORK PERMIT NO.				
Tiltmeter - T4	1182.03' MSL & 299.74' EWL SEC. 15, T17N, R8W, Webster Parish	A.K.C. Rayford		NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	COE	LEASE	9/30/88 6/19/89
Tiltmeter - T5	2901.78' EWL & 661.31' MSL SEC. 9, T17N, R8W, Webster Parish	I.W. Rowland		NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	COE	LEASE	9/30/89 See Note 2

NOTES:

1. Ref. Appendix D for applicable correspondence.
2. No written release required. Release is an automatic part of the lease if there is no landowner contact with the COE at least twenty (20) days before the expiration or termination of the lease.
3. Current landowner is Louisiana Minerals, Ltd.

\*Ref. Appendix C for landowner releases.

of abandoned wells must be done by a qualified DOTD licensed contractor and that variance requests (Appendix C) and documentation (Form DOTD-GW-2 in Appendix B) be submitted by the contractor.

The OC Statewide Order No. 29-B contains the rules and regulations that govern the plugging and abandonment of the deeper DOE wells, i.e., those drilled deeper than the base of the fresh water aquifers. Section XIX, part F of this document addresses documentation and plugging requirements. These regulations require the well operator (SWEC) to file a Work Permit, Form DM-4R (see Appendix B); notify the OC District Manager 12 hours prior to and at the completion of plugging operations; submit a Plug and Abandon Report, Form P&A (see Appendix B); and a Well History and Work Resume Report, Form WH-1 (see Appendix B). Table 2-2 summarizes all data which was necessary to document field activities for both state and project requirements.

Meetings were held with the OC and DOTD in Baton Rouge to identify and resolve all differences between SWEC procedures, as outlined in AP 1-3, and state regulations. Both agencies agreed that SWEC's plugging procedures satisfied their respective regulations. Additionally, it was requested (ref. telephone memorandum 7/8/88, Appendix D) that SWEC direct a copy of all correspondence regarding the shallow and geotechnical boreholes (<200 ft) to the Department of Environmental Quality (DEQ).

SWEC then prepared contract documents to procure the services and equipment to complete well plugging and site restoration work. A description of the services and the contractors is listed in Table 2-3.

It was also necessary to transfer lease agreements, including leased storage facilities in Louisiana and well operatorship permits, from The Earth Technology Corporation (TETC) to SWEC. This transfer was accomplished via an Assignment and Assumption Agreement between the two parties. At completion of the transfer, SWEC submitted Form MD-10-RA, Application to Amend Permit to Drill for Minerals (see Appendix B), to the OC to change the well operator from TETC to SWEC for 13 wells (see Table 2-1). Several of the lease agreements were renegotiated to extend through the scheduled completion of decommissioning activities.

### 3.0 FIELD ACTIVITIES

Field activities began on June 24, 1988 with the initiation of site reconnaissance and ended with well plugging and restoration at the V-5 site on January 11, 1989. There were six general types of Field Activities: (1) Reconnaissance, (2) Site preparation, (3) Plugging, (4) Removal of wellhead assemblies, (5) Removal and backfilling of tiltmeter pits and (6) Site restoration.

#### 3.1 SITE RECONNAISSANCE

Reconnaissance included the following activities: 1) locating wells, 2) visually inspecting sites and wells, 3) investigating borehole conditions, and 4) investigating annulus conditions. The initial step of reconnaissance was to plot reported site locations on USGS quadrangles and

STONE & WEBSTER  
DOE/SRI  
SUMMARY TA

	L.P.&L. LH-2A	L.P.&L. LH-2B	L.P.&L. LH-2WS	KCl Hodge LVH-6A	KCl Hodge LVH-6B	KCl Hodge LVH-6C	KCl Hodge LVH-6WS	KCl Hodge LH-7A	KCl L
Ground Elev. (ft)	199.57	198.9	197.76	223.16	224.64	224.92	221.64	325.57	326.
Report Depth (ft)	1814.10	744.05	139.48	2702.0	1923.0	975.0	98.71	1565.09	1051
Measured Depth (ft)	1795.88	745.29	135.47	2701.75	1905.2	975.84	99.16	1566.51	1044
Fluid Depth (ft)	228.38	68.79	20.47	91.75	134.2	45.84	33.16	143.51	161.
Conductivity (mS/cm)	81.55	5.78	0.594	195.33	212.83	6.44	0.078	10.29	3.58
Fluid Cl <sup>-</sup> Temperature (°C)	24.0	26.6	24.2	33.1	28.5	27.6	26.3	37.5	37.3
Chloride Content (ppm Cl <sup>-</sup> )	>4900	1796	<300	>4900	>4900	1888	<50	>4900	745
TDS (mg/l)	40,780	2890	305	97,665	106,415	3240	40	5140	1780
Date of Wire Line Survey	7/19/88	7/19/88	7/19/88	7/20/88	7/20/88	7/20/88	7/20/88	7/19/88	7/19
Date O.C. Notified	9/21/88	9/11/88	9/17/88	10/21/88	10/25/88	10/20/88	10/22/88	9/19/88	9/18
Date Plugging Finished	9/23/88	9/13/88	9/18/88	10/23/88	10/26/88	10/21/88	10/22/88	9/20/88	9/19
No. Sack of Cement	205	97	9	334.5	244	107	3	169	89
No. Sack of Sand	14	-	-	-	-	-	5	9	11
Top of Sand/ Bottom of Cement (ft)	1652.13	745.3	134.5	2505	1786.1	868.6	37.75	1461.51	932.
Brine Disposed (BBLS)	35	15	-	185	60	31	-	60	60
Brine Disposal Company	Pool	Pool	-	Pool	Pool	Pool	-	Pool	Pool
Plugging Subcontractor	SwL	SwL	SwL	SwL	SwL	SwL	SwL	SwL	SwL
Rig Subcontractor	Donnell	Horton	Horton	Donnell/ Horton	Donnell/ Horton	Horton/ Donnell	Horton	Horton	Hort
Cementing Subcontractor	SwL	Western	Western/SwL	Western	Western	Western	Western	Western	Wes
No. Sacks of Cement Squeezed	-	-	6-42	75-75	75-75	75	-	-	-
Perf. Zones	-	-	25-55	985-1005 964-952.5	980-1000 949-960	813-833	-	-	-
Date Squeezed	-	-	9/15/88	9/27 & 30/88	9/27/88 & 10/13/88	9/24/88	-	-	-
Squeeze Subcontractor	-	-	Western	Western	Western	Western	-	-	-
Perf. Company	-	-	Gearhart	Gearhart	Gearhart	Gearhart	-	-	-
Sq. Pressure @ Start (Psi)	-	-	< 50	0,250	300,500	< 50	-	-	-
Sq. Pressure @ Finish (Psi)	-	-	-	600, 600	500,700	500	-	-	-
Logs Run	-	-	CBL, GP, GR, CCL	CBL, GR, CCL	CBL, GR, CCL	CBL, GR, CCL	CBL, GP, GR	-	-

NOTES:

\*\*Well V-7 was obstructed  
Depth from ground level  
O.C. = Office of Conservation



ENGINEERING CORPORATION  
OF TFSC LOUISIANA  
TABLE OF PLUGGING DATA

Hodge -7B	KCI Hodge LH-7WS	KCI Hodge LH-17A	KCI Hodge LH-17B	KCI Hodge LH-17WS	N.C. Rayford V-4	E.H.S. Connell V-5	G.P. Theus V-6	E.H.S. Connell V-7	LSU-RIA	DOE Cont. F.I.#1	DOE SMITH et al #1
7	332.79	270.00	269.72	270.38	280.84	239.52	219.29	225.89	227.64	214.6	227.7
0	595.0	2027.00	1377.94	433.53	488.0	387.0	618.0	806	488	424	972.0
79	588.68	2012.91	1376.49	432.82	481.0	403.5	608	124.1**	483.0	> 500	1075
9	195.18	301.91	13.99	79.29	58.0	54.2	20.5	**	63.0	Surface	Surface
	0.248	67.13	55.43	0.474	1.88	3.78	23.43	472.53	0.32	523.72	520.53
	30.0	Not taken	30.5	29.1	27.7	Not taken	39.5	Not taken	37.7	28.5	24.0
	< 300	> 5000	> 5000	< 300	595	1133	> 4900	> 4900	< 50	> 3600	> 4900
	124	33,565	27,715	237	940	1850	11,715	236,265	160	261,860	260,270
38	7/19/88	7/20/88	7/20/88	7/20/88	7/20/88	1/04/89	7/19/88	9/01/88	8/21/88	8/21/88	9/04/88
38	9/20/88	10/27/88	9/26/88	9/22/88	-	-	10/25/88	-	10/28/88	11/01/88	11/06/88
98	10/31/88	10/28/88	11/04/88	10/01/88	10/27/88	1/09/89	10/25/88	9/09/88	10/31/88	11/03/88	11/07/88
	47	204	277.8	15	45	33	46	77	24	157	312
	12	3	7	15	2	11	-	-	2	-	-
	460.24	1959.65	1298.35	282.3	Unknown	367.36	603.0	742.0	454.0	478.4	1028
	-	60	50	-	11.9	6	15	14	5.74	47	125
	-	Pool	Pool	-	Pool	Pool	Pool	Pool	Pool	Pool	Pool
	SwL	SwL	SwL	SwL	SwL	SwL	SwL	SwL	SwL	SwL	SwL
1	Horton	Donnell	Horton	Horton	Horton	SwL	Horton	Horton	Horton	Horton	Horton
ern	Western	Western	Western	Western	Western	SwL	Western	Western	Western	Western	Western
	-	-	-	-	-	-	-	-	-	-	75-75
	-	-	-	-	-	-	-	-	-	-	535-555, 485-465
	-	-	-	-	-	-	-	-	-	-	11/09 & 14/88
	-	-	-	-	-	-	-	-	-	-	Western
	-	-	-	-	-	-	-	-	-	-	Gearhart
	-	-	-	-	-	-	-	-	-	-	0,0
	-	-	-	-	-	-	-	-	-	-	250, 800
	CBL, GP, GR, CCL	CBL, GP	CBL, GP	GP, CBL, CCL, GR	CBL, GP	CBL, GR, CCL	CBL, GR, CCL	CBL, GR, CCL	CBL, GR, CCL	CBL, GR, CCL	CBL, GR, CCL

TABLE 2-3

TABLE 2-3

SWEC SUBCONTRACTORS

<u>Description Of Contract</u>	<u>Purchase Order Number</u>	<u>Contractor's Name &amp; Address</u>	<u>Comments</u>
Land Agent	.0035	David Miller 974 E. Fortification St. Jackson, MS 39202	Assisted SWEC in title searches and lease negotiations
Plugging & Cementing of Deep Wells and Shallow Boreholes	.0036 & .0030	Southwestern Laboratories P.O. Box 37571 Shreveport, LA 71105	Western Company did cementing. No shallow borehole plugging work was performed
Wireline Services	.0061	Otis Engineering Corporation P.O. Box 5335 Bossier City, LA 71171	Included depth measurements and fluid sampling
Squeeze Cementing	.0063	Western Company 4920 Shed Road Bossier City, LA 71111	
Geophysical Logging and Perforating	.0062	Gearhart Industries, Inc. P.O. Box 7717 Shreveport, LA 71137	
Access Road Reconditioning	.0060	Roy Edwards Construction Rt. 1, Box 89B Benton, LA 71106	
Surveying	.0066	Atchley & Atchley, Inc. 412 La Salle St. Shreveport, LA 71107	

TABLE 2-3 (Cont.)

<u>Description Of Contract</u>	<u>Purchase Order Number</u>	<u>Contractor's Name &amp; Address</u>	<u>Comments</u>
Site Restoration	.0045	Newt Brown Contractor, Inc. Route 3, Box 1245 Minden, LA 71055	
Joseph C. Holmes, Jr. Professional Services	.0040	Joseph C. Holmes, Jr. 5515 S. Afton Pkwy. Baton Rouge, LA 70806	Assisted SWEC in shallow borehole search
Digital Conductivity & TDS Meter	.0059	Hach Co. P.O. Box 389 Loveland, Colorado 80539	
Office Space	.0076	Sheraton Pierremont 1419 East 79th Street Shreveport, LA 71105	

confirm the location by field inspection. The second phase was to evaluate and describe the condition of access roads, site pads, and wellheads. The as-found condition of the roads, pads and wellheads was documented with written descriptions, plan and profile sketches, and photographs according to PTP 1-18 (see Appendix A).

Information obtained during phase two of site reconnaissance identified where earthwork was necessary to accommodate the equipment involved in the plugging and abandonment operations. Well sites LH-7, LH-17, V-4, V-5, V-7, LSU R1A, and tiltmeter sites T1 and T2 required minor work. Sites V-7 and V-5, however, required extensive earthwork to enable equipment to gain access to the site.

Phases one and two of site reconnaissance at well sites LH-2, LVH-6, LH-7, LH-17, V-4, V-6, V-7 and tiltmeter sites T1, T2, T3, T4, and T5 were performed in June 1988. Three sites (Tiltmeter T5, DOE Smith et al. No. 1, and LSU-R1A) required lease renegotiations and one site (DOE Continental FI et al. No. 1) was added to the scope of work at a later date. Therefore, reconnaissance on these sites could not be completed until August 1988.

Reconnaissance of site V-5 was delayed until January, 1989 because it could not be located based on existing well information.

Phase three of the reconnaissance process began in mid-July at sites where preliminary reconnaissance and earthwork had been completed and continued as sites became available. Otis Engineering was contracted by SWEC to perform downhole wireline surveys in each well. The purpose of the survey was to:

- Check for and attempt to clear borehole obstructions.
- Measure fluid level.
- Measure total depth of the well.
- Collect a water sample for salinity determination from approximately 10 ft above the total depth.
- "Feel" for the riser pipe (where the well narrows to screen diameter - see Appendix A, Attachment 6).

Information collected during the wireline survey and testing was used to determine which wells would require disposal of saline borehole fluid, the quantity of fluid to be disposed of, and the quantity of cement needed to plug each well.

The OC Statewide Order 29-B, Section XV, paragraph 13.1 - Pollution Control, requires that all "produced" water with chloride concentrations >500 ppm be collected, removed from site, and disposed of at a state licensed disposal facility.

A Hach meter was used to measure the conductivity, total dissolved solids (TDS), and temperature of the downhole water samples. Quantabs were used to measure chloride ion ( $\text{Cl}^-$ ) concentration. Measurements showed that all

wells except the four water supply wells (LH-2WS, LVH-6WS, LH-7WS, LH-17WS) and the LSU-R1A well had water with high TDS and (Cl<sup>-</sup>) ion concentration. Test data for each well can be found on Site Reconnaissance Forms (Appendix A).

The wireline contractor (Otis Engineering) encountered obstructions in two wells, V-7 and LSU-R1A. A wireline bailer successfully removed four minor sediment bridges from LSU-R1A. An obstruction in V-7 at 124.1 ft required drilling and details on the removal of this obstruction are discussed in Section 3.2.2. A majority of the wells were constructed with tailpipes extending below the screen section. The tailpipes commonly were filled with deposits of pipe scale, which at times extended up into the well screen. Neither SWEC nor the state agencies (DOTD and OC) considered this material harmful and it was not removed before plugging (Notes of Conference; 8/15/83, Appendix D).

The last phase of site reconnaissance was to evaluate the casing-to-borehole annular seal at the interface between the freshwater zone and the saltwater zone using Cement Bond Logs (CBLs). Stone and Webster obtained CBLs previously run by LETCo in the following wells: LH-2A & B; LVH-6A, B, & C; LH-7A & B; and LH-17A. CBLs were run in the remaining eleven wells by Gearhart Industries.

The downhole geophysical survey produced four types of logs; a Cement Bond Log (CBL), Gamma Ray (GR), Casing Collar Locator (CCL), and Gravel Pack log (GP). The CBL evaluated the cement in the annulus, whereas the GR and CCL provided depth control. The GP evaluated the quality and quantity of gravel pack surrounding the screen section of the well as this could affect cement plug quantities. An evaluation of the geophysical logs indicated that five wells (LVH-6A,B and C, DOE Smith, and LH-2WS) had inadequate annular seals, as defined by the OC, and required perforating and squeeze cementing (see Section 3.3).

Geophysical logging of water supply wells (LH-2WS, LVH-6WS, LH-7WS, and LH-17WS) was not possible as the cemented portion of each well was above water level and the CBL tool needs a fluid medium to transmit the acoustic signal. An attempt was made to measure the cement bonding using a Gravel Pack Tool but did not provide any useful information.

## 3.2 PLUGGING

### 3.2.1 Plugging Sequence

SWEC subcontracted the plugging and abandonment work to Southwestern Laboratories Inc. (SwL). Appendix A contains SWEC's plugging reports and borehole completion sketches for each observation well that was plugged and abandoned. Plugging followed a typical procedure for most of the DOE wells (LH-2A, LH-7A, LH-7B, LH7-WS, LH-6WS, LH-17A, LH-17B, LH-17WS, V-4, V-5, V-6, and LSU R1A) in Louisiana. The typical plugging procedure is summarized as follows:

1. 20-40 mesh sand was tremied from TD to approximately 10 ft above the screen.

2. A cement-bentonite slurry (13.2 lb/gal) was placed by continuous pump-down from the top of the sand to ground surface.
3. Displaced brine was collected and removed to a disposal well.
4. Casing annuluses, open at ground surface, were filled with cement at the time of plugging.

### 3.2.2 Variations from Typical Plugging Procedures

Deviations from the typical sequence are described below:

- Well LH-2B: During placement of cement, the screen collapsed, allowing the gravel pack and formation to seize the tubing resulting in abandonment of 724 ft of 2-3/8 in. diameter tubing in the well. Cement was subsequently pumped into the tubing, from bottom to top, and into the casing-tubing annulus from 74 ft (top of initial plug) to ground surface.
- Well LH-2WS: A cement retainer was set at 58.33 ft. Tubing was inserted through the retainer and cement was pumped into the lower screened section of the well. The tubing was pulled back through the retainer and the annulus was then squeeze cemented using the retainer as lower bridge plug (Section 3.3). After the squeeze operation, the well was plugged from the top of the retainer to ground surface.
- Well V-6: Because of a partial obstruction in the well, tubing could not be placed in the screen section to install the sand plug. Therefore, cement was pumped into the screen as well as the casing.
- Well V-7: This well was obstructed at 124.1 ft below ground level. A drill rig was mobilized on September 1, 1988 to drill out the obstruction and probe the well to its completion depth (806 ft). Drilling the obstruction initially produced large amounts of wood fiber, plastic, and aluminum. After two days of drilling and circulating the well was cleared to 740 ft. An additional day of drilling advanced the hole only 4 ft. At this time, various fishing operations were attempted to clear the well; the only significant result was the retrieval of an 18 in. long piece of 2-1/2 in. diameter pipe. An additional day of drilling advanced the hole less than 1 ft.

On September 9, the plugging subcontractor (SwL) applied for, and received, a variance (see Appendix C - letter of 9/9/88) from the Louisiana Department of Transportation and Development (DOTD) to plug the well from the top of the obstruction (742.79 ft) to ground surface. Cement pumped for the plug was in excess of the volume required to fill the casing (See Appendix A). It is assumed that a portion of this cement bypassed the obstruction and filled the lower section of the well.

- Wells LVH-6A, B, and C: These wells required squeeze cementing because of poor casing-borehole annular seals (Section 3.3). In each well, a drillable bridge plug was set, the casing was perforated, and cement was squeezed into the annulus. After squeezing and relogging the wells, the bridge plugs were drilled out and fell and became lodged where the wells narrow from 6-5/8 in. casing to 4-1/2 in. riser pipe.

Various methods were tried to remove the bridge plug debris including conventional drilling (with and without extra weight), milling (using various types of diamond mill bits), spearing, and magnetic retrieval. The most successful method was magnetic retrieval. No method was able to completely clear bridge plug debris from the top of the riser pipe.

Southwestern Laboratories requested, and was granted, a variance by the DOTD to plug the three wells (LVH-6A, B, and C) from the obstructions to ground surface (see Appendix C - letter of 10/21/88). All three wells required cement in excess of that required to fill the casing. It is presumed that the extra cement bypassed the obstructions to fill the screen and the riser pipe.

- DOE Smith No. 1 and DOE Continental No. 1

Both of these wells were drilled to approximately 5,000 ft, but were cased to only 424 (DOE Continental) and 972 ft (DOE Smith); neither was screened. In accordance with OC regulations, a balanced cement plug was placed at the bottom of the casing extending 50 ft into the open borehole and 50 ft up into the casing. This initial plug was allowed to cure for 24 hours before continuing plugging activities.

The DOE Continental No. 1 well was then cemented from the top of the balance plug to ground surface without any intervening work. The DOE Smith No. 1 well required squeeze cementing and is discussed in Section 3.2.3.

### 3.2.3 SQUEEZE CEMENTING

Remedial cementing (squeezing) in the borehole-casing annulus is required by the OC in all wells where primary cementing does not effectively protect the freshwater aquifers from underlying saltwater zones. Meetings were held August 15, and September 8, 1988 between Stone & Webster, the DOTD and the OC to evaluate the need for cement squeezing. The results of these meetings indicated that only wells LVH-6A, B, and C and the DOE Smith well would require squeeze cementing. Attachment 1 of Appendix A contains squeeze cementing reports for the above four wells.

The DOTD and OC recommended that 50 cumulative feet of good annular seal exist at the fresh water - salt water interface. In most cases, a well required two squeeze operations to get the recommended length of seal.

Although site water supply (WS) wells did not penetrate the base of the freshwater, the casings were not cemented to total depth as is presently

required by the DOTD. SWEC attempted to improve this seal in well LH-2WS by perforating and squeezing. No pressure buildup was established, indicating that cement flowed into the surrounding formation rather than into the annulus. Subsequent logging (CBL) revealed no improvement in the borehole seal and, with the concurrence of the OC, SWEC made no further attempts at squeezing the other water supply wells.

The typical sequence for squeezing a well is described as follows:

1. Set a bridge plug to isolate the bottom of the zone to be squeezed.
2. Perforate the casing (4 shots/ft for 20 ft).
3. Set a squeeze packer above the uppermost perforations.
4. Squeeze approximately 75 sacks (as recommended by the OC - see notes of meeting August 15) of Class A neat cement behind the casing.
5. Run CBL and evaluate results.
6. Proceed with plugging or resqueeze and log, as necessary.

Squeezing in the DOE Smith well differed from the typical method as follows: (1) the top of the initial cement plug (see Section 3.2.2) was used as the bottom of the squeeze zone instead of a bridge plug and (2) an upper squeeze packer could not be set. In lieu of this, the well head was pressurized and shut-in during cementing. The well required two squeeze operations.

### 3.3 REMOVAL OF WELLHEAD ASSEMBLIES

After the wells were plugged, SWEC was responsible for removing the wellhead and cutting the casing to a minimum depth of 3 ft. below ground level, in accordance with DOTD and OC rules. The typical procedure was as follows:

- Excavate around the wellhead to a minimum depth of 4 ft.
- Inspect the area surrounding the outermost casing for visible annular space and grout.
- Cut off casing a minimum of 3 ft below the ground surface.
- Weld a steel cap to the top of the outermost casing of the well.
- Backfill the excavation with native soil and compact.

### 3.4 TILTMETER SITE REMOVAL

Five tiltmeter sites were located around the flanks of Vacherie Dome. Each site consisted of two pits lined with 42 in. diameter, corrugated steel pipes, with the exception of T-1 which had three pits. Pit depths varied from 2.5 to 5.5 ft and were connected by one inch diameter, PVC conduit. One pit at each site had an 8 in. diameter, Schedule 80 PVC or corrugated

steel pipe, filled with coarse blasting sand, extending down 4 to 8 ft from the center of the pit floor. Appendix A, Attachments 3, 5, and 9 describe site conditions before decommissioning.

The pits penetrated no aquifer and, therefore, no state documentation was required. However, SWEC documentation was completed and the landowners were contacted for concurrence with the decommissioning/restoration work.

All material removed from the tiltmeter pits was inventoried, and disposed of at an offsite location. The pits were filled with 18 in. of clay, followed by layers of compacted native soil to ground surface and graded to the surrounding contours.

### 3.5 SITE RESTORATION

Site Restoration activities commenced in November 1988 after the majority of the well plugging and abandonment was completed. Newt Brown Construction Company was subcontracted to perform restoration. Typical site restoration included removal of all debris such as stumps, brush, and waste cement; regrading, and discing the topsoil; and seeding and fertilizing.

Tiltmeter T-4 site required only minor grading and, at the owner's request, pine saplings were planted. At the V-6, DOE Continental No. 1, Tiltmeter T-3, and T-5 sites, no site restoration was required (see Appendix D for landowner documentation). However, the landowner at site V-6 did request and receive compensation in lieu of restoration. In addition to the normal restoration at LSU-R1A, the landowner requested that pine seedlings be planted and a small pit be backfilled. The landowner of sites V-5, T-1 and T-2, Willamette Industries (a paper company), received a cash settlement for tree damage.

### 3.6 SHALLOW BOREHOLE SEARCH

SWEC conducted a thorough records search to establish the locations and abandonment status of the shallow boreholes drilled in the vicinity of Vacherie Dome. The work involved examining state and project records, interviewing personnel involved with the shallow borehole program (i.e. drilling contractors, LSU/IES personnel, and landowners), and field surveys.

#### 1. Records Search

- a. State Records - SWEC contacted the various state agencies (Department of Transportation and Development, Department of Conservation, State Geologic Survey, and Department of Environmental Quality) presently involved in maintaining drilling, completion, production, and plugging records for oil and gas, water wells, and exploratory test holes. However, in 1977-79, the state agencies did not require submittal of plugging records for shallow boreholes and none were found.
- b. Project Records - Battelle provided a complete list of IES/LSU and LETCO Records Turnover Packages (RTPs). SWEC selected applicable microfilm rolls for detailed review. A search of these records provided the following information:

- Field plugging records for the R(VR), T, and D series of shallow boreholes.
- Specifications for the drilling, sampling, and plugging of all shallow boreholes and the names of the drilling contractors who performed the work.
- IES/LSU field survey notes for the locations and elevations of the B, S, and M series of shallow boreholes.
- Maps showing the locations of all shallow boreholes. However, the scale of the maps did not allow for accurate location in the field.
- Geologic cross sections showing the depths and elevations of all shallow borings.
- Numerous project reports, prepared primarily by IES/LSU, which presented and discussed the data obtained from drilling and testing in shallow boreholes. However, none of the reports contained plugging records or addressed plugging procedures or methods.

SWEC questioned present and former Battelle employees involved in the Gulf Coast Dome Studies about the existence of plugging records. No additional information was obtained.

- c. Drilling Contractors - SWEC contacted the two firms that drilled the shallow boreholes, McClelland Engineers and Fowler Drilling Co. Both firms performed a records search, but neither could provide any written documentation related to borehole plugging. McClelland Engineers (presently Grubbs, Garner and Hoskyn, Inc.) stated (telephone memorandum 10/11/88) that the B, S, and M series of holes were backfilled with drill cuttings and/or drilling mud. Fowler Drilling Co. said (telephone memorandum 10/29/88) it was standard practice to backfill borings with cuttings and mud, and according to their recollection this had been done for the shallow boreholes.
- d. Louisiana State University - IES/LSU personnel stated that all field records had been turned over to Project (see "b" above). Dr. Joseph Holmes of LSU, who had direct involvement with the shallow borehole work, provided the following information:
  - Dr. Holmes was present for the plugging of the "VR" (R) and "T" series of boreholes. Plugging consisted of backfilling the holes with drill cuttings and topping off with cement.
  - To his knowledge all the shallow boreholes were backfilled with drill cuttings or cuttings topped off with cement. The backfilling of borings was expected and stressed to all IES/LSU faculty and students involved in the field work.

- Professional surveyors or LSU graduate students surveyed all the hole locations.
- Returning to the field 2-3 years after drilling the shallow boreholes, Mr. Holmes could locate only a few holes.
- Not all the boreholes, particularly the "B" series, are located on or adjacent to existing Parish or logging roads.

Dr. Holmes made a visit to the field with SWEC personnel in October, 1988. The results of this reconnaissance survey are discussed below under "Field Surveys".

e. Law Engineering Testing Company (LETCo) - Mr. John R. Diehl (presently employed by Marathon Oil Co.) was the LETCo on-site representative responsible for Quality Assurance during the drilling of approximately 50 shallow boreholes at Vacherie Dome. In conversations with SWEC, Mr. Diehl (telephone memorandum, 12/12/88; Appendix C) stated that the shallow boreholes drilled under his supervision were backfilled with bentonite pellets, drilling mud, and/or cuttings.

SWEC could not locate other LETCo staff directly involved in the shallow borehole program. LETCo stated that all records had been turned over to Project (see "b" above).

f. The Earth Technology Corporation (TETC) - TETC encountered similar problems locating plugging records for the shallow boreholes at Rayburns Dome. A search of TETC files failed to provide any plugging information that was not contained in the Project RTP's (see "b" above).

g. Landowners - SWEC contacted landowners, to obtain permission to perform a land survey and visual search. The landowners comments varied from; "no comment," "what holes?," "there are no holes," to "there are holes." Permission was obtained from all but two landowners on whose land 9 holes (M-1, -2 and -3, S-9, -10, -11, -12, and -13, and B-39) were drilled. The survey and visual search performed by SWEC is discussed below.

## 2. Field Surveys

a. SWEC and professional surveyors attempted to locate the B, S, and M series (a total of 95 holes) of holes in the field using IES/LSU survey notes obtained from the Project Records. The survey notes were difficult to decipher, however, many of the holes are located along existing roadways and approximate distances could be determined with some confidence. SWEC staked and inspected the surveyed locations.

Shallow depressions (less than 1 ft deep) and holes 6 in. to 8 in. in diameter, extending to depths of approximately 3 ft were found within the vicinity of several staked locations. It is SWEC's opinion that these are animal burrows or old stump holes as

similar open holes can be found throughout the study area. No significant depressions, deep vertical holes, collapsed features, drill cuttings, or remains of cement grout could be identified at any of the surveyed hole locations.

b. Site Reconnaissance by Dr. Holmes of LSU - A site visit was made by Dr. Holmes in October, 1988 to assist SWEC in establishing the location of survey lines and, if possible, to locate individual boreholes. Dr. Holmes confirmed or corrected the surveyed lines established by SWEC for those holes located along existing roadways. However, exact hole locations still could not be established.

One shallow borehole (S-22), approximately 4 in. in diameter and about 1.5 ft deep, was tentatively found by Dr. Holmes. Six adjacent holes, located along the same abandoned Parish road (S14A, 16, 17, 19, 20, and 21), could not be located by Dr. Holmes or SWEC.

It is SWEC's opinion that the shallow boreholes were probably plugged immediately after completion of drilling, sampling, and logging. The plugging methods and materials most likely varied (cuttings, mud, cement) depending on the depth of the hole. The lack of surficial evidence of collapse at suspected locations suggests the holes were backfilled and/or have filled naturally with little or no detrimental effect. Our conclusion, based on existing information, is the shallow boreholes are adequately plugged and do not present a hazard.

Further searching (through records or in the field) for the shallow boreholes would consume many man-hours and produce minimal results. SWEC has spent extensive time searching through project, state, and subcontractors' drilling records to obtain the information, summarized above in Section 3.6.

An in-depth reexamination of these records will produce, at best, only a small amount of additional information for the following reasons:

- a. No state records exist for the drilling or plugging of the shallow boreholes because: 1) The drilling of the shallow boreholes preceded DOTD Chapter III regulations (1985) requiring submittal of plugging records to the state, and 2) OC Statewide order 29-B only regulates wells drilled below the freshwater sands.
- b. On-site personnel such as drillers and project Q.A. representatives have already been contacted without producing anything more than the recollection that the standard procedure at the end of drilling was to either backfill with cuttings and mud, add bentonite pellets, or grout the holes (ref. telephone memorandum 6/17/88, Appendix D).

Any further attempt to relocate the shallow boreholes in the field would, in our opinion, also meet with minimal success.

Records indicate that the shallow boreholes were surveyed in by LSU/IES project personnel and not by a professional subcontractor. Relocation of the boreholes in the field would be very difficult because they are lacking in the following ways:

- a. There is no reference point indicated from which the survey started.
- b. There is no indication whether true or magnetic north was used for the survey.
- c. There is no indication whether angles were turned to the right or left.
- d. Survey angles do not appear to have been doubled as a check for accuracy.
- e. Angles were only recorded to the nearest degree, not to 10 seconds which is the normal practice.
- f. In many cases, the backsight is very short, making the survey less accurate.
- g. There is no closure or any tie points.

The notes were reviewed by a project engineer and a surveying subcontractor and the resulting reconstruction was laid out for the B, S, and M lines. Surveyed locations were searched to a radius of 20 feet without any success. In some areas, the survey crews spent more time cutting and clearing brush and trees than laying out lines.

It is SWEC's opinion that further attempts to reconstruct survey notes and resurvey the lines will consume many man-hours but produce few, if any, results given the limitations (items a through g above) of the original survey notes.

### 3.7 GEOTECHNICAL BOREHOLES

Five geotechnical boreholes were drilled in proximity to four of the Tiltmeter locations (T-1 through T-4). The borehole locations were obtained from a map published in an IES/LSU report. The map provided approximate bearings and distances from the Tiltmeter locations to the geotechnical boreholes. Using this information, four of the five boring locations were found staked. Borehole TB-2C3 was not found.

The locations were probed with a 6 ft length of rebar. Except for TB-2, the rebar penetrated the ground surface only about 4 to 6 inches. At the TB-2 location, the surface depression was easily penetrated about four feet. Further investigation showed a sizeable vertical opening that might indicate an "open hole" condition to a significant depth. A backhoe excavated a 10 ft deep pit at the borehole location. A small diameter open hole at the bottom of the excavation was probed an additional 15 ft before encountering solid material. The open hole was backfilled with sand, bentonite (dry) and cement (dry), and the excavation was backfilled with soil and compacted.

### 3.8 SURVEYING

SWEC's review of project records failed to provide survey data for the V-4, V-5, V-6, V-7 wells, the LSU-R1A well, and the tiltmeter sites. SWEC had these sites and wells resurveyed and tied into both the USGS grid and the state Township and Range grid. Survey plats for all test sites can be found in Appendix C.

The surveying contractor also assisted SWEC in the shallow borehole search (See Section 3.7). SWEC's records search produced an inadequate set of shallow borehole survey notes. From these notes the surveying contractor attempted to reconstruct a set of usable survey notes. Numerous assumptions (use of true or magnetic north, right or left turned angles, etc.) were required, thus, the resulting field locations were surveyed in without a high level of confidence.

## 4.0 DOCUMENTATION

Documentation of decommissioning activities was required by SWEC and the State of Louisiana.

### 4.1 STATE DOCUMENTATION

Plugging and abandonment forms were required by two state agencies; the Office of Conservation (OC) and the Department of Transportation and Development (DOTD). For the decommissioning work performed in Louisiana, the OC required that the operator (SWEC) submit the following:

Form MD-15-R - Amended Permit to Drill for Minerals - This form was required to change the operatorship of DOE wells from The Earth Technology Corporation (TETC) to Stone & Webster Engineering Corporation (SWEC). Copies of these forms are contained in Appendix B.

Form DM-4R - Work Permit - This form was submitted to the District OC Office and approved prior to performing abandonment work at any OC permitted well. Copies of the form are contained in Appendix B.

Form UIC-17 - Injection Well Work Permit - The V-series of wells (V-4, 5, 6 & 7) and the LSU-R1A well were not previously permitted with either the OC or DOTD. The State Department of Natural Resources (DNR), Office of Injection Mining, instructed SWEC to utilize Form UIC-17 for these five wells rather than DM-4R. Copies of these forms are contained in Appendix B.

Form WH-1 - Well History and Work Resume Report - The operator of a well must file this report when a new well is drilled or when work is performed on an existing well. SWEC submitted a report (see Appendix B) on each well that it plugged and abandoned in Louisiana.

Form P&A - Plug and Abandon Report - The P&A form summarizes the plugging and abandonment activities performed at a well. A copy of this form is in Appendix B.

The OC also requires that a "Nonhazardous Oil Field Waste Shipping Control Ticket" (Appendix B) be completed by the hauling contractor when brine is removed from a well for disposal. This form identifies the well, operator, the type and quantity of waste, the transporter, and the commercial facility at which the waste is to be disposed.

The DOTD requires that the plugging contractor (Southwestern Laboratories) submit the following:

Form DOTD-GW-2 - Water Well Plugging and Abandonment - This form provides well owner and location information, a description of the well design, and details on how the hole was plugged. Copies of these forms are provided in Appendix B.

#### 4.2 SWEC DOCUMENTATION

Documentation required by SWEC's Field Representatives is identified in the TFSC/SPRO Project Manual, AP-1-3 "Well Plugging and Site Restoration of Work Sites in Louisiana", and PTP 1-18, Documentation of Plugging and Abandonment of Boreholes and Restoration of Work Sites".

##### 4.2.1 Administrative Documentation

Daily and Weekly Progress Reports were prepared and distributed by the Field Representatives. Originals of these reports were returned to the Project Headquarters Files at completion of field work, and have been turned over to DOE/SPRO as part of final Records Turnover Packages (RTPs). Copies of the Weekly Progress Reports are contained in Appendix B.

##### 4.2.2 Technical Documentation

Documentation requirements for recording technical information related to plugging and restoration work are set forth in PTP 1-18 "Documentation of Plugging and Abandonment of Holes and Restoration of Work Sites." Final versions of all applicable SWEC forms are included in Appendix A of this report as follows:

- Attachment 1: Weekly Progress Reports
- Attachment 2: Site Reconnaissance
- Attachment 3: Schematic of Pre-Abandonment Site Status
- Attachment 4: Borehole Completion Sketch
- Attachment 5: Plugging Report
- Attachment 6: Perforating and Squeeze Cementing Report
- Attachment 7: Site Restoration

##### 4.2.3 Photo Documentation

Before and after photographs were taken of each site during reconnaissance and restoration and are included in Appendix A.

## 5.0 LANDOWNER RELEASES

At the completion of field operations it was necessary to obtain releases from landowners on whose property test sites were located (Ref. Table 2-1). The primary purpose of the release is to document that surface site restoration (i.e., final grading, seeding, tree planting, access road upgrading or removal) was completed according to the requirements contained in the lease (access) agreements and that this work has been performed to the satisfaction of the landowner. SWEC was responsible for obtaining releases for the three (3) wells covered in agreements entered into between the landowner(s) and SWEC. The release for the DOE - Continental No. 1 well was obtained by the current lease holder, Dr. R. L. Thoms. Obtaining releases for the remaining wells and Tiltmeter sites was the responsibility of the Corps of Engineers. Releases were obtained from all but one landowner on whose land wells and tiltmeters were located (see Appendix C). Louisiana Power and Light (wells LP&L LH2A, B, and WS) would not sign a landowner's release in spite of repeated attempts. Correspondence applying to this effort is located in Appendix C.

## 6.0 SUMMARY

In 1988, the Department of Energy authorized SWEC to decommission test well and tiltmeter sites at Vacherie and Rayburns Domes. During May and June, SWEC prepared required documents (Activity Plans, Project Procedures, and Scopes of Work), searched records for needed data, and completed the initial phases of site reconnaissance. During July and August, SWEC awarded contracts for site work, transferred and acquired necessary leases, obtained state permits, repaired access roads and site pads, and completed downhole reconnaissance activities. SWEC subcontractors decommissioned four of the five tiltmeter sites and surveyed the locations of the V-4, V-6, V-7 wells, the LSU-R1A well, and the five tiltmeter sites.

Well plugging began on September 1 and required, with the exception of the V-5 well, 11 weeks to complete. Plugging was completed on November 18 and restoration was completed on December 1. Well V-5 was not located until December 14, and scheduling problems prevented its plugging until January 11, 1989.

An extensive effort was made between June and November to locate the 118 shallow borings, which resulted in one tentative location being found. Stone & Webster has concluded from this search and other evidence (Section 3.7) that the shallow borings were sufficiently backfilled to eliminate any possible safety hazard. All field-related close-out activities for the salt dome sites in Louisiana have been completed.

## 7.0 REFERENCES

Kolb, C.R., J.C. Holmes, and J.J. Alford, 1983. The Quaternary Geology of Vacherie Salt Dome, North Louisiana Salt Dome Basin, Volume 1, Louisiana State University - Institute of Environmental Studies, ONWI-467, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Law Engineering Testing Company, 1982a. Gulf Coast Domes Geologic Area Characterization Report, North Louisiana Study Area, Vols. IV and V, ONWI-119, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Law Engineering Testing Company, 1982b. Gulf Coast Salt Domes Well Completion Report: Site LVH-6, ONWI-182, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Law Engineering Testing Company, 1982c. Gulf Coast Salt Domes Well Completion Report: Site LH-2, ONWI-181, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Law Engineering Testing Company, 1982d. Gulf Coast Salt Domes Well Completion Report: Site LH-7, ONWI-183, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Law Engineering Testing Company, 1982e. Gulf Coast Salt Domes Well Completion Report: Site LH-17, ONWI-185, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

LETCo, see Law Engineering Testing Company.

Louisiana Department of Public Works, 1975. Chapter III, Rules, Regulations, Standards, and Methods of the Plugging and Sealing of Abandoned Water Wells and Holes, per State Act 535, Sections 5.A and 5.A.6, April.

Martinez, J.D., R.L. Thoms, D.H. Kupfer, C.R. Kolb, M.B. Kumar, R.E. Wilcox, and E.J. Newchurch, 1977. An Investigation of the Utility of Gulf Coast Salt Domes for the Storage or Disposal of Radioactive Wastes, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Martinez, J.D., R.L. Thoms, C.R. Kolb, M.B. Kumar, R.E. Wilcox, and E.J. Newchurch, 1978. An Investigation of the Utility of Gulf Coast Salt Domes for the Storage or Disposal of Radioactive Wastes, prepared for U.S. Department of Energy.

State of Louisiana, 1974. Department of Conservation Statewide Order Governing the Drilling for and Producing of Oil and Gas in the State of Louisiana, Order Number 29-B, Section XIX, August.

TETC - See The Earth Technology Corporation.

The Earth Technology Corporation, 1987. Activity Plan for Louisiana Decommissioning of Vacherie Dome and Regional Boreholes, Rev. 1, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

## APPENDIX A

### SWEC PROJECT DOCUMENTATION

- Attachment - 1: Weekly Reports
- Attachment - 2: Site Reconnaissance
- Attachment - 3: Schematic of Preabandonment Site Status
- Attachment - 4: Borehole Completion Sketch
- Attachment - 5: Plugging Report
- Attachment - 6: Perforation and Squeeze Cementing Report
- Attachment - 7: Site Restoration

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
1

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 06/23/88 TO 06/30/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECOMTO	

SUMMARY OF ACTIVITIES

PLUGGING

SWEC CONDUCTED RECONNAISSANCE ACTIVITIES AT THE DEEP BOREHOLE. HYDROLOGIC BOREHOLE AND TILTMETER SITES TO PLAN THE SEQUENCE OF FUTURE WORK AND UPDATE EXISTING RECORDS. THE SURVEY INCLUDED WRITTEN DESCRIPTIONS, SKETCHES AND PHOTO DOCUMENTATION OF SITE ACCESS, WELL LOCATIONS AND WELLHEADS. ALL OF THE SITES WERE SUCCESSFULLY LOCATED AND DESCRIBED EXCEPT FOR THE DEEP BORHOLE V-5.

RESTORATION

NONE

PROBLEMS

PROGRAM LITERATURE INDICATES THAT THE DEEP BOREHOLE V-5 WAS BURIED DURING FORESTING OPERATIONS. THERE IS NO SURVEY INFORMATION AVAILABLE FOR THIS BOREHOLE. EFFORTS TO FIND INFORMATION THAT BETTER DEFINE THE LOCATION OF V-5 CONTINUE..

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

WIRELINE SURVEYS BEGIN THE WEEK OF 7/11/88 IN THE DEEP & REGIONAL HYDROLOGIC BOREHOLES TO LOCATE OBSTRUCTIONS AND TO SAMPLE BOREHOLE FLUIDS FOR SALINTY.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
2

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 07/11/88 TO 07/17/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECONTO	

SUMMARY OF ACTIVITIES

**PLUGGING**

SITE PREPARATION FOR PLUGGING ACTIVITIES COMMENCED ON 7/12/88. ROY EDWARDS CONSTRUCTION CO. REMOVED THE PROTECTIVE PIPE BARRIERS FROM THE WELLHEADS AT THE LH2, LH7, AND LH17 SITES. ERODED AREAS AT LH7 AND LH17 SITES WERE LEVELLED TO FACILITATE THE MOBILIZATION OF HEAVY EQUIPMENT.

**RESTORATION**

CORRUGATED STEEL LINERS THAT FORMERLY HOUSED TILTMETER RECORDING INSTRUMENTS WERE REMOVED FROM THE T4 SITE. THE RESULTING EXCAVATIONS WERE BACKFILLED.

**PROBLEMS**

SWEC DOES NOT HAVE ACCESS AGREEMENTS FOR PORTIONS OF THE ROAD THAT PROVIDES ENTRY TO THE V-7 AND DOE, SMITH ET. AL. NO. 1 WELLS. PREVIOUS SURVEYS APPEAR TO BE IN ERROR. ACCESS AGREEMENTS WILL BE OBTAINED BEFORE REMEDIAL EARTHWORK BEGINS ON PRIVATE ROAD.

**CHANGES TO ACTIVITY PLAN**

NONE

**SITE VISITORS**

JIM HART, WEBSTER PARISH ROAD SUPERINTENDENT

**WORK PLANNED FOR NEXT WEEK**

SECURE DOE SMITH & V-7 ACCESS ROAD AGREEMENT & COMPLETE THE REQUIRED EARTHWORK.  
PERFORM WIRELINE SURVEYS AND GEOPHYSICAL WELL LOGGING AT DEEP BOREHOLE SITES.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
3

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 07/18/88 TO 07/22/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE	R.T.DECONTO

SUMMARY OF ACTIVITIES

PLUGGING

ATCHLEY & ATCHLEY (SURVEYORS) LOCATED DEEP BOREHOLES V4,V5,V6,V7 & TILTMETERS T1,T2,T4, & T5. OTIS ENG. PERFORMED WIRELINE SURVEYS IN WELLS AT LH2,LH7,LH17,LVH6,V4,& V6 SITES. SURVEYS INDICATE WELLS UNOBSTRUCTED AND DEPTHS IN ACCORDANCE WITH RECORDS. BOREHOLE FLUID SAMPLES TAKEN NEAR TOTAL DEPTH WERE TESTED FOR TDS W/A CONDUCTIVITY METER. CBL LOGS WERE RUN IN THE LH-17A,B, & WS & V4 WELLS. A RIGHT OF WAY AGREEMENT FOR V7 & THE LVH6 SITE ACCESS WAS SECURED BY DAVID MILLER (LANDMAN).

RESTORATION

NONE

PROBLEMS

SITE RECONNASSAINCE AND TITLE RESEARCH ACTIVITIES REVEALED THAT DEEP BOREHOLE V-6 IS LOCATED ON PROPERTY THAT IS NOT UNDER AN ACCESS AGREEMENT. RECONNASSAINCE ACTIVITIES AT THIS LOCATION WERE SUSPENDED.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

REPAIR TO THE V7 ACCESS ROAD WILL BEGIN SO THAT WIRELINE AND LOGGING ACTIVITIES CAN BE COMPLETED. ACCESS TO SITE V-6 WILL BE SECURED IF POSSIBLE.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
4

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 08/01/88 TO 08/07/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE	R.T.DECOMTO

SUMMARY OF ACTIVITIES

PLUGGING

ROY EDWARDS (EARTHWORK CONTRACTOR) REPAIRED THE ACCESS ROAD TO DEEP BOREHOLE  
V-7. GEARHEART INDUSTRIES ATTEMPTED TO RUN A CEMENT BOND LOG (CBL) IN LH2WS.

RESTORATION

THE PIPE FENCES SURROUNDING THE WELL HEADS WERE REMOVED FROM THE LH2, LH7, LH17  
AND LVH6 SITES.

PROBLEMS

THE WIRELINE SURVEY IN BOREHOLE V-7 REVEALED AN OBSTRUCTION AT 121 FT. ATTEMPTS  
TO CLEAN THE BOREHOLE WITH THE WIRELINE WERE UNSUCCESSFUL. LOGGING  
DIFFICULTIES WERE ENCOUNTERED AT THE LH2WS BOREHOLE. A DEVIATION IN THE  
CASING STRING PREVENTED USE OF THE CBL TOOL.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

REMEDIAL WORK ON TILTMETER ACCESS ROADS. SECURE ACCESS AGREEMENTS TO LSU-R1A,  
V6, AND DOE-CONT. #1 SITES. RUN WELL LOGS IN LH7WS, LH17WS, LVH6WS, & LSU-R1A.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
5

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 08/08/88 TO 08/14/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECOMTO	

SUMMARY OF ACTIVITIES

**PLUGGING**

THE EARTHWORK CONTRACTOR IMPROVED ACCESS ROADS TO TILTMETER SITES T1 AND T2 AND DEEP BOREHOLE PADS V7 & LSU-R1A. GEOPHYSICAL WELL LOGS (CBL/GRAVEL PACK) WERE RUN AT THE LH2WS, LH7WS, LH17WS, LVH6WS, AND V-6 BOREHOLES. ACCESS AGREEMENTS WERE OBTAINED FOR THE V-6, LSU-R1A, AND DOE-CONT. F.I. SITES. A SITE RECONNAISSANCE SURVEY WAS PERFORMED AT THE LSU-R1A SITE.

**RESTORATION**

SOUTHWESTERN LABS (SWL) BEGAN RESTORATION ACTIVITIES AT TILTMETER SITES T1, T2, AND T3. CORRUGATED STEEL LINERS AND PVC PIPES WERE REMOVED FROM THE PITS. THE EXCAVATIONS WERE BACKFILLED WITH NATIVE SOIL AND CLAY.

**PROBLEMS**

LOW FLUID LEVELS IN THE WATER SUPPLY (WS) WELLS PROHIBIT COMPLETE COVERAGE OF THE CEMENT BOND LOG. ATTEMPTS TO FILL THE WELLBORES WITH FRESH WATER WERE UNSUCCESSFUL DUE TO HIGHLY PERMEABLE NATURE OF SCREENED INTERVAL.

**CHANGES TO ACTIVITY PLAN**

THE DOE-CONT. F.I. WELL AT RAYBURN'S DOME WAS ADDED TO THE SCOPE OF WORK.

**SITE VISITORS**

PAUL MCMAHEN (WILAMETTE INDUSTRIES) VISITED T1 SITE TO EXAMINE WORK RELATED DAMAGE TO SAPLINGS.

**WORK PLANNED FOR NEXT WEEK**

SITE RECONNAISSANCE ACTIVITIES WILL CONTINUE AT THE LSU-R1A AND DOE-CONT. F.I. SITES. PLUGGING/ABANDONMENT ACTIVITIES WILL BEGIN AT THE LH-2 DEEP BOREHOLE SITE

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
6

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 08/15/88 TO 08/21/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECOMTO	

SUMMARY OF ACTIVITIES

PLUGGING

CONTINUED SEARCH FOR GEOTECHNICAL BOREHOLES USING RECENTLY ACQUIRED INFORMATION. CIRCULAR, 6IN DIAMETER SURFACE DEPRESSIONS WERE LOCATED IN CLOSE PROXIMITY TO PUBLISHED BOREHOLE LOCATIONS. DEPRESSIONS MAY REPRESENT CAVED BOREHOLES TB-1, TB-2, AND TB-4. STEEL PROBES INSERTED INTO THE DEPRESSIONS REVEALED THAT BACKFILL IN THREE WAS LOOSELY CONSOLIDATED NEAR THE SURFACE.

RECONNAISSANCE CONTINUE AT RAYBURN'S DOME DEEP BOREHOLES. THE LSU-R1A & DOE-CONT. F.I. NO. 1 WELLS WERE SURVEYED BY OTIS ENGINEERING. THE WELLS WERE DEPTH SOUNDED AND FLUIDS WERE SAMPLED.

RESTORATION

NONE

PROBLEMS

LOGGING OPERATIONS PLANNED AT THE LSU-R1A WELL AND DOE-CONT F.I. NO. 1 WELL ON 8/21/88 WILL BE DELAYED ONE DAY DUE TO EQUIPMENT FAILURE.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

THE DEEP BOREHOLE PLUGGING CONTRACTOR WILL BEGIN REMOVING THE OBSTRUCTIONS FROM THE V-7 WELL AND PLUGGING AT THE LH-2 SITE.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
7

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 08/22/88 TO 08/28/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE	C.A. FOSTER/J.Q. KANTOLA

SUMMARY OF ACTIVITIES

PLUGGING

CONTINUED SEARCH FOR V-5. LANDMAN (MILLER) PERFORMED DATA SEARCH FOR SHALLOW BOREHOLE LEASE HISTORY. RAN CBL/GAMMA RAY/CASING LOCATOR LOGS AT THE DOE-CONTINENTAL AND R1A WELLS.

RESTORATION

NONE

PROBLEMS

CANNOT FIND WELL V-5. WILL CONTINUE SEARCH. START OF DEEP PLUGGING DELAYED UNTIL WEEK OF 8/29. WITH LATE START CONTRACTOR MAY HAVE TO MOBILIZE MORE THAN ONE RIG TO COMPLETE WORK BEFORE LEASES EXPIRE AT THE END OF SEPTEMBER.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

AL FOSTER ARRIVED LATE 8/23/88 AND REMAINED THROUGH 8/28/88.

WORK PLANNED FOR NEXT WEEK

PERFORM SITE RECON. AT COE LEASE SITES T-5 AND DOE-SMITH.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
8

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 08/29/88 TO 09/04/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T. DECONT	

SUMMARY OF ACTIVITIES

**PLUGGING**

SOUTHWESTERN LABORATORIES MOBILIZED DRILL RIG TO THE V-7 SITE TO CLEAR THE OBSTRUCTION LOCATED AT 122 FT. DRILLING RETURNS INDICATED THE WELL IS PLUGGED WITH WOOD, METAL CANS, AND ROCKS. THE OBSTRUCTION WAS CLEANED FROM 122 FT. TO 750 FT. BY MILLING AND WASHING. OTIS ENG. OBTAINED FLUID SAMPLES AND GEARHEART RAN CEMENT BOND LOGS IN THE V-7 AND DOE-SMITH ET. AL. NO. 1 WELLS.

**RESTORATION**

NONE

**PROBLEMS**

OBSTRUCTION IN V-7 BOREHOLE DELAYED PLUGGING AND ABANDONMENT.

**CHANGES TO ACTIVITY PLAN**

NONE

**SITE VISITORS**

D. LOGAN FROM SWEC-OA AUDITED RECONNAISSANCE & CONTRACTOR ACTIVITIES.

**WORK PLANNED FOR NEXT WEEK**

COMPLETE OBSTRUCTION REMOVAL AT V-7 AND PLUG AND ABANDON. MOVE TO LH2 SITE.

SURVEY LSU-RIA WELL LOCATION.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
9

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 09/05/88 TO 09/11/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECONTO	

SUMMARY OF ACTIVITIES

PLUGGING

SOUTHWESTERN LABORATORIES DRILLED THE OBSTRUCTION IN THE V-7 BOREHOLE TO 742.79 FT. THE WELL WAS PLUGGED FROM THE TOP OF THE OBSTRUCTION TO 3 FT. BELOW GROUND LEVEL. SW. LAB MOBILIZED TO THE LH-2B WELL AND PLUGGED THE WELL TO 73 FT BELOW GROUND LEVEL.

RESTORATION

NONE

PROBLEMS

OBSTRUCTION IN DEEP BOREHOLE V-7 PROHIBITED PLUGGING TO PLANNED DEPTH. THE DOTD AUTHORIZED PLUGGING FROM TOP OF OBSTRUCTION. DURING PLUGGING ACTIVITIES AT THE LH-2B WELL FORMATION CAVE IN THE SCREEN SECTION PREVENTED REMOVAL OF TUBING. TUBING STRING WILL REMAIN IN CASING AND THE REMAINING 73 FT. OF TUBING-CASING ANNULUS FILLED W/CEMENT.

CHANGES TO ACTIVITY PLAN

OFFICE OF CONSERVATION (BATON ROUGE) SAID IT WOULD NOT BE NECESSARY TO INFORM SHREVEPORT DIST. MAN. OF INTENT TO PLUG NON-PERMITTED WELLS: V4,V5,V6,V7, & LSU-RIA.

SITE VISITORS

PETE COLVIN (OFFICE OF CONSERVATION) INSPECTED P&A OPERATION AT LH-2B ON 9/11/88

WORK PLANNED FOR NEXT WEEK

COMPLETE CEMENTING TO 3 FT. BELOW GROUNDELVEL IN LH2B. MOBILIZE TO LH2WS WELL AND LH7 SITE TO CONTINUE P&A.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
10

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 09/12/88 TO 09/18/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE	R.T.DECONTO/R.KRANES

SUMMARY OF ACTIVITIES

**PLUGGING**

SOUTHWESTERN LABS COMPLETED PLUGGING LH-2B. MOVED RIG TO LH-2WS TO SQUEEZE  
AND PLUG LH-2WS. RIG AND EQUIPMENT THEN MOVED TO LH-7 SITE AND SET UP ON  
LH-7B WELL. A SAND PLUG WAS PLACED FROM TD(1052) TO 11.3 FT. ABOVE THE SCREEN  
SECTION OF 7B(953 FT.)

**RESTORATION**

NONE

**PROBLEMS**

NONE

**CHANGES TO ACTIVITY PLAN**

WELL SCREENS WILL BE PLUGGED BACK WITH SAND RATHER THAN CEMENT. CHANGE HAS BEEN  
APPROVED BY STATE AGENCIES.

**SITE VISITORS**

PETE COLVIN (OC) VISITED LH-2 SITE ON 9/14. HE WAS INFORMED OF PLUGGING PLAN  
FOR LH-2WS.

**WORK PLANNED FOR NEXT WEEK**

FINISH PLUGGING LH-7B, SAND SCREENS AND PLUG REMAINING WELLS IN THE LH-7 NEST.  
MOVE RIG TO LH-17 SITE AND BEGIN PLUGGING ACTIVITIES AT THAT SITE.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
11

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 09/19/88 TO 09/25/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

PLUG LH-7B FROM TOP OF SAND PLUG (953) TO 3 FT. BELOW GROUND SURFACE. SAND PLUGS PLACED IN SCREENS OF: LH-7A(1565-1469), 7WS(595-460), 17WS(433-280) AND 2A(1814-1652). WELLS THEN CEMENTED FROM THE TOP OF THE SAND PLUG TO THREE FT. BELOW GROUND LEVEL. CASING ANNULUSES WERE FILLED WITH CEMENT TO GROUNDELVEL. SCREENED SECTION OF 17B(1378-1298) WAS SANDED. WELL LVH-6C WAS PREPARED FOR SQUEEZING BY SETTING A DRILLABLE BRIDGE PLUG AT 850 FT. AND PERFORATING. SECOND RIG (WORKOVER) MOBILIZED AND PLUGGED LH-2A. W.O. RIG MOVED TO LVH-6C, SQUEEZE WELL W/75 SACKS OF CEMENT.

RESTORATION

NONE

PROBLEMS

MINOR EQUIPMENT PROBLEMS OCCURRED WHILE THE WORKOVER/PULLING RIG MIXED CEMENT TO PLUG LH-2A. THIS HAS DELAYED THEIR PROGRESS BY 1-1/2 TO 2 DAYS.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

A.L. THORTON(OFFICE OF CONSERVATION) VISITED LH-7 SITE ON 9/22 TO INSPECT PLUGGING OPERATION.

WORK PLANNED FOR NEXT WEEK

COMPLETE WORK ON LH-17B. BOTH RIGS (DRILL & WORKOVER) TO WORK AT LVH-6 SITE. SQUEEZE ANNULUS LVH-6A&B. SAND SCREENS & PLUG BACK LVH-6A,B,C,&WS. EXCAVATE & CUTOFF WELLHEADS AT LH-2 SITE.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
12

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 09/26/88 TO 10/02/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE	R.T.DECONTO

SUMMARY OF ACTIVITIES

PLUGGING

GEARHEART INDUSTRIES SET WIRELINE BRIDGE PLUGS AND PERORATED WELLS LVH6A & 6B.  
WESTERN CO. SQUEEZED LVH6A FROM 985-1005FT & 952.5-964 FT. IN ORDER TO SEAL  
THE ANNULUS. SOUTHWESTERN LABORATORIES DRILLED OUT SQUEEZE ZONES IN LVH6A &  
LVH6C & GEARHEART RAN CEMENT BOND LOGS TO CHECK THE INTEGRITY OF THE SQUEEZE  
ZONES. ALL SQUEEZE OPERATIONS WERE SUCCESSFUL.

RESTORATION

SOUTHWESTERN LABS CUT THE WELL HEADS AT LH2-A,B,WS, AND V-7 SITES THREE FT.  
BELLOW GROUND LEVEL AND WELDED STEEL PLATES OVER THE CUT CASING TOPS. THE  
EXCAVATIONS WERE BACKFILLED AND GRADED.

PROBLEMS

DRILLING THE CEMENT RETAINER USED FOR SQUEEZING THE LVH6C WELL IS SLOWER THAN  
ANTICIPATED. A MILLING TOOL WILL BE PROCURED TO ACCELERATE RETAINER REMOVAL.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

DRILL OUT THE CEMENT RETAINERS IN THE LVH6A & LVH6C WELLS AND PLUG FROM TOTAL  
DEPTH TO SURFACE. SQUEEZE THE LVH6C WELL.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
13

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 10/03/88 TO 10/09/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECONT	

SUMMARY OF ACTIVITIES

PLUGGING

SOUTHWESTERN LABORATORIES CONTINUED PLUGGING AND ABANDONMENT ACTIVITIES AT THE LVH6 SITE. DRILLED OUT THE SECOND SQUEEZE ZONE IN THE LVH-6A WELL TO THE TOP OF THE BRIDGE PLUG @ 1020 FT. GEARHEART INDUSTRIES RAN CEMENT BOND LOG, THE BRIDGE PLUG WAS DRILLED OUT AND PUSHED TO THE TOP OF THE RISER PIPE AT APPROX. 2500 FT. THE WORKOVER RIG DRILLED OUT THE BRIDGE PLUG IN THE LVH6C WELL AND PUSHED THE REMAINING JUNK TO THE TOP OF THE RISER PIPE @ 866 FT.

RESTORATION

NONE

PROBLEMS

REMAINING PIECES OF BRIDGE PLUGS FELL TO THE TOP OF RISER PIPES IN BOTH LVH6A & LVH6C WELLS. ADDITIONAL TIME IS REQUIRED TO MILL THROUGH THE JUNK BRIDGED OVER THE RISER PIPES. MILLING TOOLS WERE PROCURED TO PERFORM THIS ACTIVITY.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

MILL THROUGH JUNK AT THE TOP OF RISERS IN LVH6A&C AND PLUG WELL. PERFORATE & SQUEEZE THE LVH6B WELL WITH 75 SKS. AT APPROX. 1000 FT.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
14

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 10/10/88 TO 10/16/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.T.DECOMTO	

SUMMARY OF ACTIVITIES

PLUGGING

SW LABS MOVED THE W.O. RIG FROM LVH6C TO LVH6A TO REMOVE THE BRIDGE PLUG JUNK FROM THE TOP OF THE RISER PIPE (2494 FT.). OBSTRUCTION WAS ADVANCED TO 2505 FT. USING A TAPER TAP, TAPERED MILLING TOOL AND FLAT MILLING TOOL. THE DRILL RIG MOVED OFF LVH6A TO LVH6B. SQUEEZED TWO ZONES (949-960 & 980-1000 FT) EACH W/ 75 SKS. OF CLASS H CEMENT. SQUEEZE ZONES WERE DRILLED OUT AND RAN CBL INDICATED SQUEEZE WAS SUCCESSFUL.

RESTORATION

NONE

PROBLEMS

THE VARIOUS ACTIVITIES USED TO CLEAR THE RISER PIPE AT THE LVH6A WELL ARE PROCEEDING SLOWLY. IN THE EVENT THAT FURTHER ACTIVITIES ARE UNSUCCESSFUL SWEC WILL PLUG THE WELL FROM THE OBSTRUCTION TO GROUND LEVEL PENDING DOTD APPROVAL.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

CONTINUE PLUGGING AND ABANDONMENT ACTIVITIES AT LVH6 SITE. BEGIN SHALLOW BOREHOLE SEARCH IN WEBSTER & BIENVILLE PARISH.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
15

CLIENT DOE / SRPO	J.C. No. 17500.26	PERIOD 10/16/88 TO 10/23/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE AL FOSTER	

SUMMARY OF ACTIVITIES

**PLUGGING**

DRILLED OUT BRIDGE PLUGS AND PERFORMED FISHING OPERATIONS TO REMOVE PLUG DEBRIS  
FROM WELLS LVH6A, B, & C. PLUGGED LVH-6C FROM 868.6' TO GROUNLEVEL AND LVH-6WS  
FROM 37.86' TO GL. SHALLOW BOREHOLE SEARCH - PREPARED SURVEY NOTES TO LOCATE  
SHALLOW BOREHOLES. SURVEY CREW STARTED WORK ON 10/20/88 AND LAYOUT WILL  
CONTINUE THROUGH NEXT WEEK.

**RESTORATION**

NONE

**PROBLEMS**

EXTREME PROBLEMS IN DRILLING OUT & REMOVAL OF BRIDGE PLUGS AT BOTTOM OF SQUEEZE  
ZONE IN WELLS LVH6A, B, & C. OBTAINED VARIANCE FROM STATE (DOTD) TO CEMENT  
ABOVE RISER PIPES IN THESE WELLS.

**CHANGES TO ACTIVITY PLAN**

NONE

**SITE VISITORS**

JOE HOLMES FROM LSU IN FIELD ON 10/22/88 TO ASSIST IN SHALLOW BOREHOLE SEARCH.

**WORK PLANNED FOR NEXT WEEK**

COMPLETE PLUGGING REMAINING WELLS AT SITE LVH6(6A & 6B). START PLUGGING  
V SERIES WELLS. CONTINUE SHALLOW BOREHOLE SEARCH.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
16

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 10/24/88 TO 10/30/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

COMPLETED PLUGGING WELLS AND ANNULUSES AT LVH-6A, LVH-6B, LH-17A, LH-17B, V-6  
AND V-4. MOBILIZED TO LSU/R-1A WELL AND SANDED SCREEN. WORKOVER RIG HAS  
COMPLETED ALL WORK REQUIRING ITS CAPABILITIES AND HAS BEEN DEMOBILIZED.

SHALLOW BOREHOLE SEARCH - SURVEY CREW FROM ATCHLEY & ATCHLEY HAVE STARTED  
LAYOUT OF SHALLOW BOREHOLE LINES AND FLAGGING BOREHOLE LOCATIONS (B-5 TO B-19)  
AND S-3 & S-4.

RESTORATION

NONE

PROBLEMS

RAINY WEATHER HAS MADE IT DIFFICULT TO MOVE RIGS FROM SITE TO SITE. THIS  
FACTOR MAY DELAY THE COMPLETION OF WORK BY 3 TO 4 DAYS.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

A.L. "BAY" THORNTON (OFFICE OF CONSERVATION) FIELD INSPECTOR.

WORK PLANNED FOR NEXT WEEK

PLUGGING LSU/R-1A. FLOAT CEMENT PLUG 50 FT. IN/OUT OF CASING AT DOE-CONT. F.I.  
& PLUG CASING. CUT CASING @ -3FT., WELD PLATE, & BACKFILL AT LH-7, LH-17,  
& LVH-6 SITES. CONTINUE SURVEYING SHALLOW BOREHOLE LOCATIONS.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
17

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 10/31/88 TO 11/06/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

PLACED CEMENT PLUG IN THE LSU/R-1A. MOVED TO THE DOE-CONTINENTAL WELL, PLACED 100 FT. FLOAT PLUG AT THE BASE OF THE 9-5/8" CASING (50 FT. IN THE CASING AND 50 FT. BELOW THE CASING). COMPLETED PLUG TO SURFACE. MOVED TO DOE-SMITH #1 WELL. SURVEYED IN POSSIBLE LOCATION OF V-5 WELL AND PERFORMED SEARCH WITH METAL DETECTOR. SHALLOW BOREHOLE SEARCH - INSPECTED POSITIONS LOCATED BY A&A SURVEYORS. NO EVIDENCE TO INDICATE PRESENCE OF THESE BORINGS. FOWLER DRILLING CO. WAS CONTACTED. NO RECORDS EXIST INDICATING FINAL DISPOSITION. DRILLER INDICATES BOREHOLES BACKFILLED WITH CUTTINGS & MUD.

RESTORATION

NONE

PROBLEMS

NONE

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

CONTINUE SQUEEZE AND PLUG BACK WORK ON DOE-SMITH WELL. MAKE FULL AREA SEARCH WITH METAL DETECTOR FOR V-5. CONTINUE SHALLOW BOREHOLE SEARCH FOR B-40 THRU B-53 LINE.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
18

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 11/07/88 TO 11/13/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

AT DOE SMITH #1 A FLOAT PLUG WAS PLACED AT THE BASE OF 9-5/8" CASING. WELL WAS PLUGGED BACK TO 40 FT. BELOW SQUEEZE ZONE (535-555). ZONE PERFORATED AND SQUEEZED WITH 75 SACKS OF CLASS H CEMENT. SQUEEZED ZONE WAS DRILLED OUT AND A CEMENT BOND LOG RUN. LOG INDICATES THE SQUEEZE WAS SUCCESSFUL. THE SEARCH FOR V-5 WELL WITH A METAL DETECTOR PROVED UNSUCCESSFUL. SHALLOW BOREHOLE SEARCH - CONTRACTOR WAS UNABLE TO PROVIDE PERSONNEL TO CONTINUE RECONSTRUCTION OF BOREHOLE LINE B-40 THRU B-53.

RESTORATION

NONE

PROBLEMS

METAL DETECTOR PROVIDED BY SURVEYOR HAS PROVED INADEQUATE. DETECTOR WILL NOT READ METAL OBJECTS AT DEPTHS GREATER THAN 18 INCHES. NOR WILL DETECTOR DISCRIMINATE BETWEEN LARGE METAL OBJECTS AND SMALL SCRAP PIECES FOUND IN V-5 STAKED AREA.

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

COMPLETE DOE-SMITH#1 WELL. CUTTING/CAPPING OF REMAINING WELLS. ATTEMPT TO LOCATE V-5 WELL WITH BETTER METAL DETECTOR. MEET WITH SITE RESTORATION CONTRACTOR. SURVEY SHALLOW BOREHOLE B40-B53 LINE.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
19

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 11/14/88 TO 11/20/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

DOE SMITH -#1 WELL WAS PERFORATED AND SQUEEZED (465-485). THE CBL LOG INDICATES AN ACCEPTABLE SQUEEZE. THE WELL WAS PLUGGED TO SURFACE. AN EXTENSIVE METAL DETECTOR SURVEY WAS CONDUCTED TO SEARCH FOR V-5. RESULTS PROVIDED NO NEW INFORMATION. CASINGS WERE CUT, PLATES WELDED ON CASINGS, AND EXCAVATIONS BACKFILLED AT LVH-6A,B,C,WS ; LH-17A,B,WS; V-4; V-6; DOE-SMITH, & RIA.  
SHALLOW BOREHOLE SEARCH - FINAL SURVEY B-40 TO B-53 STAKED. NO EVIDENCE FOUND.

RESTORATION

RESTORATION WORK HAS STARTED WITH WORK BEING DONE ON THE LVH-6 SITE, THE V-4 SITE AND THE DOE SMITH SITE.

PROBLEMS

NONE

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

ONLY MINOR RESTORATION WORK WILL BE DONE DUE TO THANKSGIVING HOLIDAY.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
20

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 11/21/88 TO 11/27/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

NO FIELD WORK DUE TO THANKSGIVING HOLIDAY

RESTORATION

NONE

PROBLEMS

NONE

CHANGES TO ACTIVITY PLAN

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

FINISH ALL REMAINING LOUISIANA FIELD WORK - CUT & CAP REMAINING WELLS  
(LH-7A,B,WS & DOE CONTINENTAL)

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
21

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 11/28/88 TO 12/04/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R.KRANES	

SUMMARY OF ACTIVITIES

PLUGGING

ALL WELL PLUGGING WAS COMPLETED AS OF 11/18/88. CASINGS FOR THE REAMAINING LOUISIANA WELLS (LH-7A,B,WS AND DOE-CONT. F.I.) WERE EXCAVATED, CUT OFF AND CAPPED AT OR BELOW THE MINIMUM 3 FT. DEPTH BELOW GROUND LEVEL AND THEN BACKFILLED AND GRADED.

RESTORATION

RESTORATION HAS BEEN COMPLETED AT ALL SITES.

PROBLEMS

NONE

CHANGES TO ACTIVITY PLAN

NONE

SITE VISITORS

NONE

WORK PLANNED FOR NEXT WEEK

CLOSE OUT LOUISIANA FIELD OPERATIONS.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
22

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 12/12/88 TO 12/18/88
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE R. KRANES	

SUMMARY OF ACTIVITIES

**PLUGGING**

LAYNE CENTRAL, ORIGINAL DRILLERS OF V-5 WELL, WAS CONTACTED REGARDING LOCATION OF THAT WELL. R. KRANES MET WITH ORIGINAL DRILLER OF V-5. DRILLER WAS ABLE TO LOCATE WELL.

**RESTORATION**

COMPLETED

**PROBLEMS**

NONE

**CHANGES TO ACTIVITY PLAN**

NONE

**SITE VISITORS**

NONE

**WORK PLANNED FOR NEXT WEEK**

PLUG AND ABANDONMENT OF V-5 WELL TO BE DONE EARLY IN JANUARY 1989. EXACT DATE TO BE SET UP.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
23

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 01/04/89 TO 01/06/89
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE J.Q. KANTOLA	

SUMMARY OF ACTIVITIES

**PLUGGING**

SWEC CONDUCTED SITE RECONNAISSANCE OF DEEP BOREHOLE V-5. SOUTHWESTERN LABS SUBCONTRACTED DOZER TO PREPARE SITE ACCESS AND PLACED SAND PLUG IN WELL V-5 (DEPTH 403.5 TO 367.36 FT). GEARHART INDUSTRIES PERFORMED A CEMENT BOND LOG AND GAMMA RAY LOG ON V-5.

**RESTORATION**

NONE

**PROBLEMS**

LOST 3 JOINTS OF 2 3/8" DRILL PIPE IN V-5 RISER PIPE AREA.

**CHANGES TO ACTIVITY PLAN**

**SITE VISITORS**

NONE

**WORK PLANNED FOR NEXT WEEK**

FISH FOR 3 JOINTS OF DRILL PIPE, PLUG AND ABANDON V-5, SITE RESTORATION, AND PLUG GEOTECHNICAL BOREHOLE TB-2.

WEEKLY PROGRESS REPORT  
STONE & WEBSTER ENGINEERING CORP.

ATTACHMENT 1

REPORT NO.  
24

CLIENT DOE / SRPO	J.O. No. 17500.26	PERIOD 01/09/89 TO 01/11/89
STATE AND SITE LOUISIANA	SITE REPRESENTATIVE	J.Q. KANTOLA

SUMMARY OF ACTIVITIES

**PLUGGING**

SOUTHWESTERN LABS (SWL) FISHED 3 JOINTS OF 2-3/8 INCH DRILL PIPE FROM V-5.

PLUGGED WELL V-5 W/CEMENT FROM THE TOP OF SAND PLUG TO G.L. (367.36 TO G.L.).

SWL CUT THE CASING 3.0 FT BELOW G.L., WELDED A STEEL CAP ON, AND

BACKFILLED EXCAVATION. SOUTHWESTERN LABS PARTIALLY EXCAVATED GEOTECHNICAL

BOREHOLE TB-2 AND BACKFILLED W/SAND, BENTONITE, CEMENT, AND EXCAVATED DIRT.

**RESTORATION**

SWL RESTORED V-5 WELL SITE AND DISPOSED OF EXPENDABLES AT LOUISIANA STORAGE AREA (MINDEN, LA).

**PROBLEMS**

NONE

**CHANGES TO ACTIVITY PLAN**

NONE

**SITE VISITORS**

NONE

**WORK PLANNED FOR NEXT WEEK**

FIELD WORK COMPLETE.

## SITE RECONNAISSANCE FORM

		LOCATION 1233.4 EWL & 360.44 SNL* IN SEC. 3, T18N, R10W -- WEBSTER PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26      DATE 06/24/88
STATE LOUISIANA	WELL NAME & NUMBER L.P. & L. LH-2A	TFSC FIELD REPRESENTATIVE JOAN L. WELC-LEPAIN	
DESCRIPTION OF SITE ACCESS <u>ACCESS TO SITE IS ON N. SIDE OF HWY 79/80, TWO MILES W. OF INTERSECTION OF HWY 79/80 AND 7(N). GRAVEL ACCESS ROAD IS ABOUT 180 FT LONG. ACCESS TO WELLHEAD IS ACROSS FLAT GRASSY AREA.</u>			
DESCRIPTION OF SITE PAD AREA <u>AREA SURROUNDING WELLHEAD IS FLAT AND GRASSY.</u>			
DESCRIPTION OF WELL HEAD <u>20 IN. CONDUCTOR PIPE 0.5' HIGH, 13 3/8 CASING 0.6' HIGH, AND 6 IN PIPE 0.65' HIGH WITH LOCKING, HINGED CAP. WELLHEAD PROTECTED BY METAL PIPE CAGE.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (07/19/88)			
GROUND ELEVATION <u>199.57</u> FT (DATUM)			
REPORTED DEPTH <u>1814.10</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>1795.88</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>228.38</u> FT	CHLORIDE CONTENT <u>&gt; 4900</u> ppm Cl-		
CONDUCTIVITY <u>81.55</u> mS/cm	TDS <u>40.780</u> mg/L		
TEMPERATURE <u>24.0</u> °C			
REMARKS <u>THE WELL COMPLETION REPORT FOR LH-2B HAS THE BOTTOM OF THE TAILPIPE 18.22 FT LOWER THAN THE TOTAL DEPTH OF 1795.88 RECORDED. PIPE SCALE HAS PROBABLY FILLED THE TAIL PIPE.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 1224.95' EWL & 288.15' SNL* IN SEC 3, T18N, R10W -- WEBSTER PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/24/88
STATE LOUISIANA	WELL NAME & NUMBER L.P. & L. LH-2B	TFSC FIELD REPRESENTATIVE JOAN L. WELC-LEPAIN	
<p><b>DESCRIPTION OF SITE ACCESS</b></p> <p><u>ACCESS TO SITE IS ON N. SIDE OF HWY 79/80, TWO MILES W. OF INTERSECTION OF HWY 79/80 AND 7(N). GRAVEL ACCESS ROAD IS ABOUT 180 FT LONG. ACCESS TO WELLHEAD IS ACROSS FLAT GRASSY AREA.</u></p>			
<p><b>DESCRIPTION OF SITE PAD AREA</b></p> <p><u>PAD AREA IS FLAT AND GRASSY.</u></p>			
<p><b>DESCRIPTION OF WELL HEAD</b></p> <p><u>20 IN. CONDUCTOR PIPE 0.2' HIGH. 6.0 IN. CASING 0.65 FT. HIGH WITH HINGED, LOCKING CAP. WELLHEAD PROTECTED BY STEEL PIPE CAGE.</u></p>			
<p><b>DESCRIPTION OF PITS</b></p> <p><u>NA</u></p>			
<p><b>DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (07/19/88)</b></p>			
<p>GROUND ELEVATION <u>198.9</u> FT (DATUM)</p>			
<p>REPORTED DEPTH <u>744.05</u> FT (SEE BOREHOLE COMPLETION SKETCH)</p>			
MEASURED DEPTH <u>745.29</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>68.79</u> FT	CHLORIDE CONTENT <u>1796</u> ppm Cl-		
CONDUCTIVITY <u>5.78</u> mS/cm	TDS <u>2890</u> mg/L		
TEMPERATURE <u>26.6</u> °C			
<p><b>REMARKS</b></p> <p><u>NONE</u></p>			
<p><b>*NOTE:</b> SNL = South of North Line      EWL = East of West Line      PR = Parish Road NSL = North of South Line      WEL = West of East Line</p>			

## SITE RECONNAISSANCE FORM

		LOCATION 1280.52' EWL & 415.81' SNL* IN SEC 3, T18N, R10W -- WEBSTER PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/24/88
STATE LOUISIANA	WELL NAME & NUMBER L.P. & L. LH-2WS	TFSC FIELD REPRESENTATIVE JOAN L. WELC-LEPAIN	
DESCRIPTION OF SITE ACCESS <u>ACCESS TO SITE IS ON N. SIDE OF HWY 79/80, TWO MI. W. OF INTERSECTION OF HWY 79/80 AND 7(N). GRAVEL ACCESS ROAD IS ABOUT 180 FT LONG. ACCESS TO WELLHEAD IS ACROSS FLAT GRASSY AREA.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD AREA IS FLAT AND GRASSY. WELLHEAD IS IN SMALL CEMENT PAD AT SURFACE.</u>			
DESCRIPTION OF WELL HEAD <u>4.0 IN. STEEL PIPE, 1.6 FT HIGH WITH HINGED, LOCKING CAP. WELLHEAD IS PROTECTED BY STEEL PIPE CAGE.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (7/19/88) GROUND ELEVATION <u>197.76</u> FT (DATUM) REPORTED DEPTH <u>139.48</u> FT (SEE BOREHOLE COMPLETION SKETCH) MEASURED DEPTH <u>135.47</u> FT      OBSTRUCTION <u>NONE</u> FT FLUID DEPTH <u>20.47</u> FT      CHLORIDE CONTENT <u>&lt;300</u> ppm Cl- CONDUCTIVITY <u>0.594</u> mS/cm      TDS <u>305</u> mg/L TEMPERATURE <u>24.2</u> °C			
REMARKS <u>BOTTOM OF THE WELL IS 4.01 FT SHALLOWER THAN WHAT IS REPORTED IN THE WELL COMPLETION REPORT. PIPE SCALE HAS PROBABLY FILLED IN THE TAIL PIPE.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		<b>LOCATION</b> 1882.3' NSL & 178.4' EWL* IN SEC 35. T17N, R8W -- BIENVILLE PARISH	
CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>06/25/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LVH-6A</b>	TFSC FIELD REPRESENTATIVE <b>R.T. DECONT</b>	
<b>DESCRIPTION OF SITE ACCESS</b>			
<u>ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI. N. OF INTERSECTION WITH HWY 516.</u> <u>ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT. LONG, LEVEL.</u> <u>GRAVEL.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b>			
<u>PAD CONSISTS OF 6 INCH THICK, BLOCKY GRAVEL. PAD IS LEVEL &amp; CLEAR OF VEGETATION</u> <u>AND ENDS 2 FT. BEYOND WELL HEAD.</u>			
<b>DESCRIPTION OF WELL HEAD</b>			
<u>CONSISTS OF 20" DIA. CONDUCTOR PIPE W/WELDED STEEL COVER PLATE, 10 3/4" DIA SUR-</u> <u>FACE CASING EXTENDS THRU COVER PLATE. 6 IN. INNER CASING EXTENDS THROUGH SUR-</u> <u>FACE CASING COVER PLATE. INNER CASING LOCKED WITH HINGED STEEL CAP. WELLHEAD</u> <u>PROTECTED BY STEEL PIPE CAGE.</u>			
<b>DESCRIPTION OF PITS</b>			
NA			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: 7/20/88</b>			
GROUND ELEVATION <u>223.16</u> FT (DATUM)			
REPORTED DEPTH <u>2702.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>2701.75</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>91.75</u> FT	CHLORIDE CONTENT <u>&gt; 4900</u> ppm Cl-		
CONDUCTIVITY <u>195.33</u> mS/cm	TDS <u>97.665</u> mg/L		
TEMPERATURE <u>33.1</u> °C			
<b>REMARKS</b>			
<u>SECURITY GATE CONTROLLED BY WILLAMETTE CORP. (PAUL MCMAHEN 318-377-4465) AND</u> <u>LANDOWNER (MR. STEWART, FIRST HOUSE NORTH OF SITE ON PARISH RD. 499).</u>			
<b>*NOTE:</b> SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
PR = Parish Road			

## SITE RECONNAISSANCE FORM

		LOCATION 1965.6' NSL & 233.7 EWL* IN SEC 35, T17N, R8W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE R.T. DECONTO
KCI HODGE LVH-6B			
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI. N. OF INTERSECTION WITH HWY 516.</u> <u>ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT LONG, LEVEL.</u> <u>GRAVEL.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD CONSISTS OF LARGE BLOCKY GRAVEL &amp; COBBLES. PAD IS LEVEL &amp; ABOUT 1 FT. THICK</u> <u>&amp; CLEAR OF VEGETATION. PAD EXTENDS 2 FT. BEYOND WELL HEAD &amp; IS 39 FT. WESTERLY</u> <u>EXTENSION OF ACCESS ROAD.</u>			
DESCRIPTION OF WELL HEAD <u>WELL HEAD CONSISTS OF 20" DIA. CONDUCTOR PIPE WITH 6" I.D. CASING STRING THROUGH</u> <u>WELDED STEEL PLATE COVERING CONDUCTOR PIPE. INNER CASING IS COVERED &amp; LOCKED</u> <u>WITH HINGED CAP. NO EVIDENCE OF CEMENT AROUND PIPE. PROTECTIVE STEEL PIPE CAGE</u> <u>SURROUNDS WELLHEAD.</u>			
DESCRIPTION OF PI's <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (7/20/88)			
GROUND ELEVATION <u>224.64</u> FT (DATUM)			
REPORTED DEPTH <u>1923.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH	<u>1905.2</u> FT	OBSTRUCTION	<u>NONE</u> FT
FLUID DEPTH	<u>134.2</u> FT	CHLORIDE CONTENT	<u>&gt; 4900</u> ppm Cl-
CONDUCTIVITY	<u>212.83</u> mS/cm	TDS	<u>106,415</u> mg/L
TEMPERATURE	<u>28.5</u> °C		
REMARKS			
<u>SECURITY GATE ACCESS CONTROLLED BY LANDOWNER (MR. STEWART) LOCATED IN FIRST</u> <u>HOUSE NORTH OF SITE ON PARISH RD 499. WILLAMETTE CORP. ALSO HAS KEY (PAUL MC-</u> <u>MAHEN 318-377-4465). THE TAILPIPE AND PART OF THE SCREEN HAVE BEEN FILLED WITH</u> <u>PIPE SCALE. THE TOTAL DEPTH MEASURED IS 17.08 FT. SHALLOWER THAN WHAT IS RE-</u> <u>PORTED IN THE WELL COMPLETION REPORT.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 2048.9' NSL & 289' EWL* IN SEC 35, T17N, R8W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No. 17500.26	DATE 06/25/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH-6C	TFSC FIELD REPRESENTATIVE R.T. DECONTO	
DESCRIPTION OF SITE ACCESS  <u>ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI. N. OF INTERSECTION WITH HWY 516.</u> <u>ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT LONG, LEVEL.</u> <u>GRAVEL.</u>			
DESCRIPTION OF SITE PAD AREA  <u>LEVEL GRAVEL PAD WITH NO VEGETATION OFF ACCESS ROAD. PAD IS 42 FT LONG.</u>			
DESCRIPTION OF WELL HEAD  <u>WELLHEAD CONSISTS OF 20 IN. DIA. CONDUCTOR COVERED WITH STEEL PLATE. 6.0 IN.</u> <u>CASING STICKS UP THROUGH PLATE AND LOCKED WITH A HINGED COVER PLATE. STEEL PIPE</u> <u>CAGE PROTECTS WELLHEAD.</u>			
DESCRIPTION OF PITS  <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88  GROUND ELEVATION <u>224.92</u> FT (DATUM) REPORTED DEPTH <u>975.0</u> FT (SEE BOREHOLE COMPLETION SKETCH) MEASURED DEPTH <u>975.84</u> FT      OBSTRUCTION <u>NONE</u> FT FLUID DEPTH <u>45.84</u> FT      CHLORIDE CONTENT <u>1888</u> ppm Cl- CONDUCTIVITY <u>6.44</u> mS/cm      TDS <u>3240</u> mg/L TEMPERATURE <u>27.6</u> °C			
REMARKS  <u>ACCESS GATE CONTROLLED BY LANDOWNER (MR. STEWART) IN FIRST HOUSE NORTH OF SITE.</u> <u>WILLAMETTE CORP. ALSO HAS ACCESS CONTROL (PAUL MCMAHEN, 318 377-4465).</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
		PR = Parish Road	

## SITE RECONNAISSANCE FORM

		LOCATION 2102.9 FT NSL & 452.0 FT EWL* IN SEC 35, T17N, R8W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE R.T. DECONTO
KCI HODGE LVH-6WS			
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD IS ON E. SIDE OF PR 499. 0.6 MI N. OF INTERSECTION WITH HWY 516.</u> <u>ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT LONG, LEVEL.</u> <u>GRAVEL.</u>			
DESCRIPTION OF SITE PAD AREA <u>ONE FT THICK GRAVEL PAD IS A WESTERLY EXTENSION OF ACCESS ROAD. APPROX. 15 FT</u> <u>WIDE. ERODED AROUND WELLHEAD.</u>			
DESCRIPTION OF WELL HEAD <u>WELLHEAD IS A 4 IN. DIA. STEEL CASING W/ HINGED LOCKING CAP. WELLHEAD PROTECTED</u> <u>BY STEEL PIPE CAGE.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88			
GROUND ELEVATION <u>221.64</u> FT (DATUM)			
REPORTED DEPTH <u>98.71</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH	<u>99.16</u> FT	OBSTRUCTION	<u>NONE</u> FT
FLUID DEPTH	<u>33.16</u> FT	CHLORIDE CONTENT	<u>&lt;50</u> ppm Cl-
CONDUCTIVITY	<u>0.078</u> mS/cm	TDS	<u>40</u> mg/L
TEMPERATURE	<u>26.3</u> °C		
REMARKS <u>ACCESS GATE CONTROLLED BY LANDOWNER (MR. STEWART) IN FIRST HOUSE NORTH OF SITE.</u> <u>WILLAMETTE CORP. ALSO HAS ACCESS CONTROL.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 22.25 FT NSL & 816.0 FT EWL* IN SEC 5, T17N, R5W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No. 17500.26	DATE 06/24/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-7A	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN	
DESCRIPTION OF SITE ACCESS <u>SITE IS ON EAST SIDE OF PARISH ROAD 173, 3.9 MI. SOUTH OF INTERSECTION WITH PR 147. ACCESS ROAD IS STEEP, GRAVEL FOR 200 FT AND THEN BECOMES SOIL WITH MORE GENTLE GRADE.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD AREA OVERGROWN WITH GRASS AND SMALL TREES.</u>			
DESCRIPTION OF WELL HEAD <u>6.0 IN. CASING INSIDE 12.0 IN., BOTH INSIDE 20 IN. CONDUCTOR PIPE. LOCKING. HINGED CAP ON 6.0 IN. PIPE. WELLHEAD PROTECTED BY STEEL PIPE CAGE.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88			
GROUND ELEVATION <u>325.57</u> FT (DATUM)			
REPORTED DEPTH <u>1565.09</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>1566.51</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>143.51</u> FT	CHLORIDE CONTENT <u>&gt;4900</u> ppm Cl-		
CONDUCTIVITY <u>10.29</u> mS/cm	TDS <u>5140</u> mg/L		
TEMPERATURE <u>37.5</u> °C			
REMARKS <u>NONE</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
PR = Parish Road			

## SITE RECONNAISSANCE FORM

		LOCATION 14.1 FT NSL & 711.3 FT EWL* IN SEC 5, T17N, R5W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN
KCI HODGE LH-7B			
DESCRIPTION OF SITE ACCESS <u>SITE IS ON EAST SIDE OF PARISH ROAD 173, 3.9 MI. SOUTH OF INTERSECTION WITH PR 147. ACCESS ROAD IS STEEP, GRAVEL FOR 200 FT AND THEN BECOMES SOIL WITH MORE GENTLE GRADE.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD AREA IS OVERGROWN WITH GRASS AND SMALL TREES. DRAINAGE CHANNEL RUNS THROUGH PAD. SIX FOOT DEEP RAT HOLE REMAINING NEAR WELLHEAD FROM ORIGINAL DRILLING.</u>			
DESCRIPTION OF WELL HEAD <u>20 IN. CONDUCTOR PIPE WITH STEEL PLATE ON TOP. 6.0 IN. CASING STICKS UP THROUGH PLATE ABOUT 1 FT AND HAS LOCKING, HINGED CAP.</u>			
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DESCRIPTION OF PITS <u>NA</u>			
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DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88			
GROUND ELEVATION <u>326.27</u> FT (DATUM)			
REPORTED DEPTH <u>1051.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>1044.79</u> FT		OBSTRUCTION <u>NONE</u> FT	
FLUID DEPTH <u>161.29</u> FT		CHLORIDE CONTENT <u>745</u> ppm Cl-	
CONDUCTIVITY <u>3.58</u> mS/cm		TDS <u>1780</u> mg/L	
TEMPERATURE <u>37.3</u> °C			
REMARKS <u>THE TOTAL DEPTH IS 6.21 FT LESS THAN THE DEPTH REPORTED IN THE WELL COMPLETION REPORT. PIPE SCALE IN THE TAIL PIPE MAY BE THE CAUSE.</u>			
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*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
		PR = Parish Road	

## SITE RECONNAISSANCE FORM

		<b>LOCATION</b> 621.85 FT EWL & 28.71 FT SNL* IN SEC 8, T17N, R5W -- BIENVILLE PARISH	
<b>CLIENT</b> DOE / SRPO		<b>J.O. No.</b> 17500.26	<b>DATE</b> 06/24/88
<b>STATE</b> LOUISIANA	<b>WELL NAME &amp; NUMBER</b> KCI HODGE LH-7WS	<b>TFSC FIELD REPRESENTATIVE</b> J.L. WELC-LEPAIN	
<b>DESCRIPTION OF SITE ACCESS</b> <u>SITE IS ON EAST SIDE OF PARISH ROAD 173, 3.9 MI. SOUTH OF INTERSECTION WITH PR 147. ACCESS ROAD IS STEEP, GRAVEL FOR 200 FT AND THEN BECOMES SOIL WITH MORE GENTLE SLOPE.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b> <u>PAD AREA IS OVERGROWN WITH GRASS AND SMALL TREES.</u>			
<b>DESCRIPTION OF WELL HEAD</b> <u>6.0 IN. STEEL CASING STICKS UP 2.5 FT. WITH LOCKING HINGED CAP. WELLHEAD PROTECTED BY STEEL PIPE CAGE.</u>			
<b>DESCRIPTION OF PITS</b> <u>NA</u>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88</b>			
<b>GROUND ELEVATION</b> <u>332.79</u> FT (DATUM)			
<b>REPORTED DEPTH</b> <u>595.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
<b>MEASURED DEPTH</b> <u>588.68</u> FT		<b>OBSTRUCTION</b> <u>NONE</u> FT	
<b>FLUID DEPTH</b> <u>195.18</u> FT		<b>CHLORIDE CONTENT</b> <u>&lt;300</u> ppm Cl-	
<b>CONDUCTIVITY</b> <u>0.248</u> mS/cm		<b>TDS</b> <u>124</u> mg/L	
<b>TEMPERATURE</b> <u>30.0</u> °C			
<b>REMARKS</b> <u>PIPE SCALE IN TAIL PIPE BELIEVED TO BE CAUSE OF 6.33 FT DIFFERENCE IN DEPTH REPORTED IN WELL COMPLETION REPORT AND THIS SURVEY.</u>			
<b>*NOTE:</b> SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
<b>PR = Parish Road</b>			

## SITE RECONNAISSANCE FORM

		LOCATION 2475 FT NSL & 641.91 FT WEL* IN SEC 12, T15N, R10W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. NO.	17500.26
STATE	LOUISIANA	DATE 06/25/88	
		WELL NAME & NUMBER	KCI HODGE LH-17A
		TFSC FIELD REPRESENTATIVE J.M. GONZALES	
DESCRIPTION OF SITE ACCESS <u>ACCESS TO SITE IS ON S. SIDE OF PR 536, 0.4 MI. S. OF JUNCTION WITH HWY 154.</u> <u>ACCEIS IS A WIDE SMOOTH GRAVEL ROAD. WELLS ARE TO EAST OF ROAD.</u>			
DESCRIPTION OF SITE PAD AREA <u>ROAD IS LEVEL TO WELLHEAD AND ABOUT 170 FT FROM ENTRANCE TO SITE. PAD IS LEVEL</u> <u>WITH SOME EROSION ON EAST SIDE. SEVERAL PILES OF TRASH ON SIDES OF ROAD.</u>			
DESCRIPTION OF WELL HEAD <u>20 IN. CONDUCTOR PIPE AT SURFACE WITH COVER PLATE. 10.75 IN. CASING STICKS UP</u> <u>THROUGH PLATE. 6.0 IN. CASING STICKS OUT OF 10.75 IN. CASING 1.5 FT ABOVE G.L.</u> <u>HINGED, LOCKING CAP ON 6.0 IN. CASING. STEEL PIPE CAGE PROTECTS THE WELL HEAD.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88			
GROUND ELEVATION <u>270.00</u> FT (DATUM)			
REPORTED DEPTH <u>2027.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH	<u>2012.91</u> FT	OBSTRUCTION	<u>NONE</u> FT
FLUID DEPTH	<u>301.91</u> FT	CHLORIDE CONTENT	<u>&gt;5000</u> ppm Cl-
CONDUCTIVITY	<u>67.13</u> mS/cm	TDS	<u>33.565</u> mg/L
TEMPERATURE	<u>NOT TAKEN</u> °C		
REMARKS			
<u>PIPE SCALE IN TAIL PIPE IS BELIEVED TO BE CAUSE OF 14.1 FT DIFFERENCE IN DEPTH</u> <u>BETWEEN THE WELL COMPLETION REPORT AND THIS SURVEY. WIRELINE HAD TROUBLE ENTER-</u> <u>ING THE 4.0 IN. RISER PIPE BELOW THE 6.0 IN. PIPE.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 640.0 FT WEL & 2406.8 FT NSL* IN SEC 12, T15N, R10W -- BIENVILLE PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/25/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17B	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	
<p><b>DESCRIPTION OF SITE ACCESS</b></p> <p><u>ACCESS TO SITE IS ON S. SIDE OF PR 536, 0.4 MI. S. OF JUNCTION WITH HWY 154.</u></p> <p><u>ACCESS IS WIDE SMOOTH GRAVEL ROAD, WELLS ARE TO THE EAST. SEVERAL PILES OF TRASH ALONG ROAD.</u></p>			
<p><b>DESCRIPTION OF SITE PAD AREA</b></p> <p><u>PAD IS OVERGROWN WITH BRUSH, WITH SOME EROSION ON EAST SIDE.</u></p>			
<p><b>DESCRIPTION OF WELL HEAD</b></p> <p><u>20.0 IN. CONDUCTOR PIPE STICKS UP 1.4 FT WITH STEEL PLATE ON TOP. 6.0 IN.</u></p> <p><u>CASING STICKS THROUGH THE COVER PLATE 0.8 FT. WITH HINGED LOCKING CAP.</u></p> <p><u>STEEL PIPE CAGE PROTECTS WELL HEAD.</u></p>			
<p><b>DESCRIPTION OF PITS</b></p> <p><u>NA</u></p>			
<p><b>DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88</b></p> <p>GROUND ELEVATION <u>269.72</u> FT (DATUM)</p> <p>REPORTED DEPTH <u>1377.94</u> FT (SEE BOREHOLE COMPLETION SKETCH)</p> <p>MEASURED DEPTH <u>1376.49</u> FT      OBSTRUCTION <u>NONE</u> FT</p> <p>FLUID DEPTH <u>13.99</u> FT      CHLORIDE CONTENT <u>&gt;5000</u> ppm Cl-</p> <p>CONDUCTIVITY <u>55.43</u> mS/cm      TDS <u>27.715</u> mg/L</p> <p>TEMPERATURE <u>30.5</u> °C</p>			
<p><b>REMARKS</b></p> <p><u>NONE</u></p>			
<p>*NOTE: SNL = South of North Line NSL = North of South Line</p>		<p>EWL = East of West Line WEL = West of East Line</p>	<p>PR = Parish Road</p>

## SITE RECONNAISSANCE FORM

		LOCATION 2555.0 FT NSL & 656.91 FT WEL* IN SEC 12, T15N, R10W -- BIENVILLE PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/25/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17WS	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	
DESCRIPTION OF SITE ACCESS <u>ACCESS TO SITE IS ON S. SIDE OF PR 536, 0.4 MI. S. OF JUNCTION WITH HWY 154.</u> <u>ACCESS IS WIDE SMOOTH GRAVEL ROAD. SEVERAL PILES OF TRASH ALONG ROAD, SOME OVER GROWTH.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD IS LEVEL WITH SOME OVERGROWTH OF BUSHES AND EROSION ALONG THE EAST SIDE.</u>			
DESCRIPTION OF WELL HEAD <u>4.0 IN. STEEL PIPE WITH HINGED, LOCKING CAP STICKS OUT OF GROUND 1.0 FT.</u> <u>STEEL PIPE CAGE SURROUNDS THE WELL HEAD.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88  GROUND ELEVATION <u>270.38</u> FT (DATUM)  REPORTED DEPTH <u>433.53</u> FT (SEE BOREHOLE COMPLETION SKETCH)  MEASURED DEPTH <u>432.82</u> FT      OBSTRUCTION <u>NONE</u> FT  FLUID DEPTH <u>79.29</u> FT      CHLORIDE CONTENT <u>&lt;300</u> ppm Cl-  CONDUCTIVITY <u>0.474</u> mS/cm      TDS <u>237</u> mg/L  TEMPERATURE <u>29.1</u> °C			
REMARKS <u>NONE</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 1212.55 FT NSL & 630.64 FT EWL* IN SEC 15, T17N, R8W -- WEBSTER PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/27/88
STATE LOUISIANA	WELL NAME & NUMBER A.K.C. RAYFORD V-4	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN	
<b>DESCRIPTION OF SITE ACCESS</b>			
<u>ACCESS ROAD DIFFICULT TO FIND. MARKED BY LARGE OAK TREE ON NE SIDE OF PARISH</u> <u>ROAD 497. 1.0 MI. SE OF INTERSECTION WITH PR 165. OVERGROWN WITH TREES &amp; BUSHES</u> <u>ROAD ABOUT 60 FT LONG.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b>			
<u>PAD AREA IS OVERGROWN WITH SMALL TREES AND BUSHES. NO GRAVEL.</u>			
<b>DESCRIPTION OF WELL HEAD</b>			
<u>5.5 IN. STEEL CASING STICKING UP 7.0 IN. WITH 10.0 IN. FLANGE AND COVER</u> <u>THREADED ON THE 5.5 IN. 3' X 3' CEMENT PAD AROUND WELL.</u>			
<b>DESCRIPTION OF PITS</b>			
<u>NA</u>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88</b>			
GROUND ELEVATION <u>280.84</u> FT (DATUM)			
REPORTED DEPTH <u>488.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>481.0</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>58.0</u> FT	CHLORIDE CONTENT <u>595</u> ppm Cl-		
CONDUCTIVITY <u>1.88</u> mS/cm	TDS <u>940</u> mg/L		
TEMPERATURE <u>27.7</u> °C			
<b>REMARKS</b>			
<u>NONE</u>			
<small>*NOTE: SNL = South of North Line NSL = North of South Line</small>		<small>EWL = East of West Line WEL = West of East Line</small>	<small>PR = Parish Road</small>

## SITE RECONNAISSANCE FORM

		LOCATION 2013.18 FT NSL & 747.35 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>01/04/89</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>E.H.S. CONNELL V-5</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>	
<b>DESCRIPTION OF SITE ACCESS</b> <u>ACCESS ROAD IS ON E. SIDE OF PR 497, 100 FT N. OF INTERSECTION WITH PR 498.</u> <u>ACCESS INITIALLY BEARS NE. FOR ~100 FT. WELL IS ABOUT 25 FT OFF THE S. SIDE OF</u> <u>ROAD AT .16 MI FROM PR 497.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b> <u>PAD AREA IS LEVEL AND OVERGROWN WITH SMALL TREES AND GRASS.</u>			
<b>DESCRIPTION OF WELL HEAD</b> <u>5.0 IN. CASING STICKS UP 1.6 FT, 10.0 IN. FLANGE AND COVER PLATE THREADED</u> <u>TO TOP OF 5.0 IN. CASING.</u>			
<b>DESCRIPTION OF PITS</b> <u>NA</u>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: 01/04/89</b>			
GROUND ELEVATION <u>239.52</u> FT (DATUM)			
REPORTED DEPTH <u>387.0</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>403.5*</u> FT		OBSTRUCTION <u>NONE</u> FT	
FLUID DEPTH <u>54.2</u> FT		CHLORIDE CONTENT <u>1133</u> ppm Cl-	
CONDUCTIVITY <u>3.78</u> mS/cm		TDS <u>1850</u> mg/L	
TEMPERATURE <u>NOT TAKEN</u> °C			
<b>REMARKS</b>			
<u>* WIRELINE DEPTH IS TO TOP OF PLUGBACK IN OPEN HOLE BELOW TAIL PIPE.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
		PR = Parish Road	

## SITE RECONNAISSANCE FORM

		LOCATION 23.38 FT SNL & 116.85 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/27/88
STATE LOUISIANA	WELL NAME & NUMBER G.P. THEUS V-6	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN	
DESCRIPTION OF SITE ACCESS <u>ACCESS IS ON E. SIDE OF PARISH RD 497 AT PARISH LINE. ACCESS IS A 260 FT SANDY DRIVEWAY ON LEFT OF RESIDENCE. ACCESS TO WELLHEAD IS ACROSS FLAT GRASSY AREA.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD AREA IS FLAT GRASSY AREA IN BACKYARD OF RESIDENCE. 3'x3' CEMENT PAD AROUND WELLHEAD.</u>			
DESCRIPTION OF WELL HEAD <u>5.5 IN. STEEL CASING STICKING UP 7 IN. WITH 10.0 IN. FLANGE AND COVER WELDED TO TOP. A 1.25 IN. PIPE WITH THREADED PLUG EXTENDS THROUGH COVER PLATE.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88			
GROUND ELEVATION <u>219.29</u> FT (DATUM)			
REPORTED DEPTH <u>618.0*</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>608.0</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>20.5</u> FT	CHLORIDE CONTENT <u>&gt;4900</u> ppm Cl-		
CONDUCTIVITY <u>23.43</u> mS/cm	TDS <u>11.715</u> mg/L		
TEMPERATURE <u>39.5</u> °C			
REMARKS			
* ACTUAL DEPTH OF TAILPIPE IS UNKNOWN. MAXIMUM REPORTED DEPTH IS 618 FT.			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of East Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 1498.51 FT SNL & 1047.86 FT WEL* IN SEC 17, T17N, R8W -- WEBSTER PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	DATE 06/28/88	
		WELL NAME & NUMBER E.H.S. CONNELL V-7	
TFSC FIELD REPRESENTATIVE J.Q. KANTOLA			
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD HEADS SW FROM INTERSECTION OF PR 165 AND PR 169, PARALLEL TO POWER-LINE FOR .54 MI. TO A FORK IN ROAD. TAKE RIGHT FORK FOR .25 MI. TO LEFTHAND BEND IN ROAD. SITE IS ON INSIDE OF BEND.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD IS ABOUT 40 X 30 FT. GRASS COVERED WITH SMALL MOUND OF SOIL NEAR CENTER. NO GRAVEL ON PAD.</u>			
DESCRIPTION OF WELL HEAD <u>5.5 IN. STEEL PIPE PROJECTS OUT OF 3 X 3 FT CEMENT PAD. 6.0 IN. PIPE WITH 10.0 IN. FLANGE AND COVER PLATE ON TOP IS THREADED ONTO 5.5 IN. PIPE. TOTAL HEIGHT IS 0.9 FT.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 09/01/88			
GROUND ELEVATION <u>225.89</u> FT (DATUM)			
REPORTED DEPTH <u>806*</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH	<u>124.1</u> FT	OBSTRUCTION	<u>124.1</u> FT
FLUID DEPTH	<u>**</u> FT	CHLORIDE CONTENT	<u>&gt;4900</u> ppm Cl-
CONDUCTIVITY	<u>472.53</u> mS/cm	TDS	<u>236.265</u> mg/L
TEMPERATURE	<u>NOT TAKEN</u> °C		
REMARKS			
<u>* THIS IS THE MAXIMUM REPORTED DEPTH OF THE TAILPIPE. ACTUAL DEPTH IS UNKNOWN DUE TO OBSTRUCTION AT 124.1 FT.</u>			
<u>** FLUID LEVEL IS BELOW OBSTRUCTION.</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		<b>LOCATION</b> 307.39' EWL OF EAST 1/2 SE1/4, 1010.26' NSL* IN SEC 31, T17N, R8W -- BIENVILLE PARISH	
CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>08/13/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>LSU R1-A</b>	TFSC FIELD REPRESENTATIVE <b>R.T. DECONT</b>	
<b>DESCRIPTION OF SITE ACCESS</b>			
<u>ACCESS IS OFF RT 4 0.45 MI. WEST OF THE INTERSECT/RT 4 &amp; RT 155. ACCESS HEADS SW OFF RT 4 NEAR 3 CLOSELY SPACED UTILITY POLES ROAD IS OVER GROWN WITH GRASS SMALL TREES AND ENDS AT WELL HEAD IN CLEARING OF WOODS ABOUT 180 FT FROM RT 4.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b>			
<u>PAD IS CIRCULAR CLEARING AT END OF ROAD OVERGROWN WITH SMALL TREES. THERE IS A 12 FT DIA., 3 FT DEEP DRY PIT ABOUT 15 FT FROM WELLHEAD.</u>			
<b>DESCRIPTION OF WELL HEAD</b>			
<u>WELLHEAD IS A 4.0 IN. PIPE STICKING UP OUT OF A 3 X 3 FT CEMENT PAD 1.5 FT PIPE IS CAPPED WITH A LOCKED, THREADED PLUG.</u>			
<b>DESCRIPTION OF PITS</b>			
NA			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: 08/21/88</b>			
GROUND ELEVATION <u>227.64</u> FT (DATUM)			
REPORTED DEPTH <u>488*</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>483.0</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>63.0</u> FT	CHLORIDE CONTENT <u>&lt;50</u> ppm Cl-		
CONDUCTIVITY <u>0.32</u> mS/cm	TDS <u>160</u> mg/L		
TEMPERATURE <u>37.7</u> °C			
<b>REMARKS</b>			
* <u>BASE OF SCREEN</u>			
<u>WELL OBSTRUCTED AT VARIOUS DEPTHS BETWEEN 80 AND 444 FT (MOSTLY AGGREGATES).</u> <u>OBSTRUCTIONS CLEARED BY WIRELINE BAILER.</u>			
<small>*NOTE: SNL = South of North Line NSL = North of South Line</small>		<small>EWL = East of West Line WEL = West of East Line</small>	<small>PR = Parish Road</small>

## SITE RECONNAISSANCE FORM

		LOCATION 1628'W & 740'N OF SE COR. OF NE1/4 OF NW1/4* IN SEC 31, T15N, R5W -- BIENVILLE PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 08/18/88
STATE LOUISIANA	WELL NAME & NUMBER CONTINENTAL F. I. #1	TFSC FIELD REPRESENTATIVE R. KRANES/J. KANTOLA	
DESCRIPTION OF SITE ACCESS <u>ACCESS IS OFF HWY 4, 248 FT SE OF ARKLA PIPELINE MARKER ON SOUTH SIDE OF ROAD,</u> <u>AND APPROX. 1.5 MI. WEST OF THE INTERSECTION OF HWY. 4 AND HWY. 155.</u> <u>ROAD IS LEVEL, GRASSY, DIRT AND FOLLOWS UTILITY LINE THROUGH PINE PLANTATION.</u>			
DESCRIPTION OF SITE PAD AREA <u>PAD IS GRASS COVERED, SMOOTH, LEVEL DIRT ABOUT 50 X 100 FT. SURROUNDED BY TREES</u>			
DESCRIPTION OF WELL HEAD <u>WELLHEAD STICKS UP FROM 2 FT DEEP WOODEN CELLAR. 9 5/8 CASING IS CAPPED WITH</u> <u>TWO VALVE PRESSURE HEAD. EXTENDS 3.3 FT ABOVE G.L.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: 08/21/88			
GROUND ELEVATION <u>214.6*</u> FT (DATUM)			
REPORTED DEPTH <u>424**</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>&gt;500</u> FT	OBSTRUCTION <u>NONE</u> FT		
FLUID DEPTH <u>SURF.</u> FT	CHLORIDE CONTENT <u>&gt;3600</u> ppm Cl-		
CONDUCTIVITY <u>523.72</u> mS/cm	TDS <u>261,860</u> mg/L		
TEMPERATURE <u>28.5</u> °C			
REMARKS			
** BASE OF 9 5/8 CASING IS AT 424 FT. OPEN HOLE EXTENDS TO 5013 FT.			
* TOP OF BRADEN HEAD FLANGE.			
WELL UNDER SLIGHT PRESSURE. FLOWED DIESEL OIL WHEN VALVE REMOVED.			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 510'S, 150'W OF NW COR. OF NE1/4 OF SW1/4* IN SEC 16, T17N, R8W -- WEBSTER PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE C.A. FOSTER/J.Q. KANTOLA
STATEMENT OF SITE ACCESS			
<u>ACCESS ROAD HEADS SW FROM INTERSECTION OF PR 165 AND PR 169 FOR ABOUT .54 MI. TO A FORK. TAKE LEFT FORK FOR .2 MI.. THEN TAKE RIGHT FORK FOR .1 MI. TO PAD AREA.</u>			
STATEMENT OF SITE PAD AREA			
<u>LARGE, LEVEL GRAVEL PAD (~1 ACRE) WITH WELLHEAD IN CENTER.</u>			
STATEMENT OF WELL HEAD			
<u>WELL HEAD IS 24 X 36 IN. SPOOL FLANGED TO SURFACE CASING WITH TWO 5000# BRAYDEN HEAD VALVES; ONE EXTENDING FROM SIDE OF SPOOL, ONE ATTACHED BY 2-3/4 IN. DIAM. NIPPLE TO A COMPANION FLANGE BOLTED TO THE TOP OF THE SPOOL. WELLHEAD STICKS UP FROM 4 FT. DEEP WOODEN CELLAR. TOP OF UPPER FLANGE IS AT GROUND LEVEL.</u>			
STATEMENT OF PITS			
NA			
DEPTH AND BOREHOLE - FLUID SURVEY: 09/04/88			
GROUND ELEVATION <u>227.7</u> FT (DATUM)			
REPORTED DEPTH <u>972.0*</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>1075</u> FT		OBSTRUCTION <u>NONE</u> FT	
FLUID DEPTH <u>SURF.</u> FT		CHLORIDE CONTENT <u>&gt;4900</u> ppm Cl-	
CONDUCTIVITY <u>520.53</u> mS/cm		TDS <u>260.270</u> mg/L	
TEMPERATURE <u>24.0</u> °C			
REMARKS			
* BOTTOM OF 9 5/8 CASING, OPEN HOLE TO 5043 FT.			
WELLHEAD STICKS UP OUT OF LARGE WOODEN CELLAR WITH DRY GRAVEL BOTTOM.			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
PR = Parish Road			

## **SITE RECONNAISSANCE FORM**

SITE RECONNAISSANCE FORM		LOCATION 1215.17 FT NSL & 103.82 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26      DATE    06/27/88
STATE LOUISIANA	WELL NAME & NUMBER TILTMETER T-1	TFSC FIELD REPRESENTATIVE J.M. GONZALES	

## **DESCRIPTION OF SITE ACCESS**

ACCESS ROAD IS ON EAST SIDE OF PARISH ROAD 497. ABOUT 100 FT N OF INTERSECTION WITH PR 498. ROAD DOWNS BACK TO SOUTH UP STEEP, SANDY SLOPE FOR ~1100 FT.

~~SITE IS ABOUT 100 FT EAST OF ACCESS ROAD AT TOP OF HILL. ROAD IN POOR CONDITION~~

## DESCRIPTION OF SITE PAD AREA

PAD IS ABOUT 25 X 30 FT SANDY, GRASS COVERED AREA WITH SOME BUSHES AND PILES OF DIRT. SOME EROSION ON EAST SIDE OF PAD. BENCHMARK LOCATED 18 FT NE OF TILT-METER PIT.

### DESCRIPTION OF WELL HEAD

TILTMETER SETUP CONSISTS OF 3 CORRUGATED STEEL PIPES. 3 1/2 FT IN DIA. AND 5 FT LONG. PLACED VERTICALLY IN THE GROUND. TWO PIPES ARE AT GROUND LEVEL WHILE THE THIRD STICKS UP ABOUT 2 FT. INSIDE THE PITS ARE VARIOUS DIA. PVC AND STEEL PIPES AND AN INSTRUMENT STAND. BOTTOMS OF ALL PITS ARE SOIL. ALL PITS HAD HINGED, LOCKED COVERS WHICH HAVE BEEN RIPPED OFF.

## DESCRIPTION OF PITS

NA

**DEPTH AND BOREHOLE - FLUID SURVEY: NA**

GROUND ELEVATION NA FT (DAMUM)

REPORTED DEPTH NA FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH NA FT OBSTRUCTION NA FT

FLUID DEPTH — NA FT CHLORIDE CONTENT — NA ppm Cl-

CONDUCTIVITY NA mS/cm TDS NA mg/l

TEMPERATURE NA °C

TEMPERATURE NA °C

TEMPERATURE NA °C

**REMARKS**

**NONE**

\*NOTE: SNL = South of North Line  
NSL = North of South Line

EWL = East of West Line  
WEL = West of East Line

PR = Parish Road

## SITE RECONNAISSANCE FORM

		LOCATION 1215.17 FT NSL & 103.82 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 08/13/88
STATE LOUISIANA	WELL NAME & NUMBER GEOTECH. BORING TB-1	TFSC FIELD REPRESENTATIVE R. KRANES	
<b>DESCRIPTION OF SITE ACCESS</b>			
<u>ACCESS ROAD IS ON EAST SIDE OF PARISH ROAD 497. ABOUT 100 FT N OF INTERSECTION WITH PR 498. ROAD DOUBLES BACK TO SOUTH UP STEEP, SANDY SLOPE FOR ~1100 FT.</u> <u>SITE IS ABOUT 100 FT EAST OF ACCESS ROAD AT TOP OF HILL. ROAD IN POOR CONDITION</u>			
<b>DESCRIPTION OF SITE PAD AREA</b>			
<u>TB-1 IS REPORTED TO BE LOCATED RELATIVE TO TILTMETER T-1 AT 122.5 FT ON A BEARING OF N63W. A SOFT DEPRESSION IN GROUND WAS LOCATED 135 FT FROM T-1 ON THIS BEARING.</u>			
<b>DESCRIPTION OF WELL HEAD</b>			
NA			
<hr/> <hr/> <hr/> <hr/>			
<b>DESCRIPTION OF PITS</b>			
NA			
<hr/> <hr/> <hr/> <hr/>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: NA</b>			
GROUND ELEVATION <u>NA</u> FT (DATUM)			
REPORTED DEPTH <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>NA</u> FT	OBSTRUCTION <u>NA</u> FT		
FLUID DEPTH <u>NA</u> FT	CHLORIDE CONTENT <u>NA</u> ppm Cl-		
CONDUCTIVITY <u>NA</u> mS/cm	TDS <u>NA</u> mg/L		
TEMPERATURE <u>NA</u> °C			
<b>REMARKS</b>			
<u>THE APPROXIMATE LOCATION WAS PROBED WITH A STEEL ROD. NOTHING WAS FOUND OTHER THAN AN AREA OF SOFT SOIL IN A DEPRESSION.</u>			
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<small>*NOTE: SNL = South of North Line NSL = North of South Line</small>		<small>EWL = East of West Line WEL = West of East Line</small>	<small>PR = Parish Road</small>

## SITE RECONNAISSANCE FORM

		LOCATION 2278.85 FT NSL & 4065.2 FT EWL* IN SEC 20, T17N, R8W -- BIENVILLE PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD ON N SIDE OF PARISH ROAD 494, ABOUT 1.3 MI. FROM INTERSECTION WITH PR 173. ACCESS IS GENERALLY LEVEL AND SANDY. AT 0.8 MI. FROM PR 494 GO LEFT ON POOR CONDITION ROAD. AT 0.3 MI. GO RIGHT FOR 400 FT TO SITE AT TOP OF HILL.</u>			
DESCRIPTION OF SITE PAD AREA <u>SITE IS LEVEL, SANDY, WITH GRASS. BENCHMARK LOCATED 45 FT N OF TILTMETER PIT.</u>			
DESCRIPTION OF WELL HEAD <u>TIltmeter pits consist of 2, 3 1/2 FT DIA. CORRUGATED PIPES 5 FT LONG PLACED VERTICALLY IN THE GROUND. STICKING UP 0.5 FT. PIPES ARE 7 FT APART WITH HINGED, LOCKING COVERS. INSIDE THE PITS ARE VARIOUS DIA. PVC &amp; METAL PIPES PROTRUDING FROM THE BOTTOM AND SIDES OF THE LARGER CORRUGATED PIPES. BOTTOM OF PIT IS SOIL.</u>			
DESCRIPTION OF PITS <u>NA</u>			
DEPTH AND BOREHOLE - FLUID SURVEY: NA			
GROUND ELEVATION <u>NA</u> FT (DATUM)			
REPORTED DEPTH <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH	<u>NA</u> FT	OBSTRUCTION	<u>NA</u> FT
FLUID DEPTH	<u>NA</u> FT	CHLORIDE CONTENT	<u>NA</u> ppm Cl-
CONDUCTIVITY	<u>NA</u> mS/cm	TDS	<u>NA</u> mg/L
TEMPERATURE	<u>NA</u> °C		
REMARKS			
NONE			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
		PR = Parish Road	

## SITE RECONNAISSANCE FORM

		<b>LOCATION</b> 784.34 FT SNL & 113.08 FT WEL* IN SEC 18, T17N, R8W -- WEBSTER PARISH	
CLIENT	DOE / SRPO	J.O. No.	DATE
STATE	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE	
LOUISIANA	TILTMETER T-3	J.Q. KANTOLA	
<b>DESCRIPTION OF SITE ACCESS</b> <u>ACCESS ROAD IS ON RIGHT SIDE OF PARISH ROAD 170, .38 MI. FROM INTERSECTION WITH PR 171. ROAD IS NARROW AND SANDY WITH GATE AT .15 MI. GO TO SECOND UTILITY POLE PAST GATE. T-3 IS 75 FT S OF POLE ON TOP OF GRASSY KNOLL.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b> <u>TP-3 IS IN GRASSY FIELD AT TOP OF HILL WITH NO OBSTRUCTIONS.</u>			
<b>DESCRIPTION OF WELL HEAD</b> <u>TILTMETER PITS CONSIST OF 2. 3 1/2 FT DIA. CORRUGATED PIPES PLACED VERTICALLY IN THE GROUND. THE PIPES STICK UP LESS THAN 1 FT AND HAVE LOCKED, HINGED COVERS FOR WHICH WE HAVE NO KEYS.</u>			
<b>DESCRIPTION OF PITS</b> <u>NA</u>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: NA</b>			
<b>GROUND ELEVATION</b> <u>NA</u> FT (DATUM)			
<b>REPORTED DEPTH</b> <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
<b>MEASURED DEPTH</b> <u>NA</u> FT		<b>OBSTRUCTION</b> <u>NA</u> FT	
<b>FLUID DEPTH</b> <u>NA</u> FT		<b>CHLORIDE CONTENT</b> <u>NA</u> ppm Cl-	
<b>CONDUCTIVITY</b> <u>NA</u> mS/cm		<b>TDS</b> <u>NA</u> mg/L	
<b>TEMPERATURE</b> <u>NA</u> °C			
<b>REMARKS</b> <u>FOR ACCESS THROUGH GATES, CONTACT LANDOWNER (P.D. HOLLEY, 318 377-4812).</u>			
<b>*NOTE:</b> SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
PR = Parish Road			

## SITE RECONNAISSANCE FORM

		LOCATION 784.34 FT SNL & 113.08 FT WEL* IN SEC 18, T17N, R8W -- WEBSTER PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26      DATE 06/27/88
STATE LOUISIANA	WELL NAME & NUMBER GEOTECH. BORING TB-3	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD IS ON RIGHT SIDE OF PARISH ROAD 170, .38 MI. FROM INTERSECTION WITH PR 171. ROAD IS NARROW AND SANDY WITH LOCKED GATE AT .15 MI. GO TO SECOND UTILITY POLE PAST GATE. SITE IS 75 FT S OF POLE.</u>			
DESCRIPTION OF SITE PAD AREA <u>TB-3 IS REPORTED TO BE ON A BEARING OF N60.05W FROM T-3 ABOUT 204 FT. VISUAL SEARCH AND PROBING WITH ROD WAS UNSUCCESSFUL IN LOCATING THE FORMER LOCATION OF THE BOREHOLE. SHALLOW DEPRESSION NEAR THE LOCATION WAS STAKED AND PHOTOGRAPHED.</u>			
DESCRIPTION OF WELL HEAD     			
DESCRIPTION OF PITS <u>NA</u>     			
DEPTH AND BOREHOLE - FLUID SURVEY: <u>NA</u>			
GROUND ELEVATION <u>NA</u> FT (DATUM)			
REPORTED DEPTH <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>NA</u> FT	OBSTRUCTION <u>NA</u> FT		
FLUID DEPTH <u>NA</u> FT	CHLORIDE CONTENT <u>NA</u> ppm Cl-		
CONDUCTIVITY <u>NA</u> mS/cm	TDS <u>NA</u> mg/L		
TEMPERATURE <u>NA</u> °C			
REMARKS <u>NONE</u>     			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

		<b>LOCATION</b> 1182.03 FT NSL & 299.74 FT EWL* IN SEC 15, T17N, R8W -- WEBSTER PARISH	
<b>CLIENT</b> <b>DOE / SRPO</b>		<b>J.O. No.</b> <b>17500.26</b>	<b>DATE</b> <b>06/27/88</b>
<b>STATE</b> <b>LOUISIANA</b>	<b>WELL NAME &amp; NUMBER</b> <b>TIltmeter T-4</b>	<b>TFSC FIELD REPRESENTATIVE</b> <b>R.T. DECONT</b>	
<b>DESCRIPTION OF SITE ACCESS</b> <u>ACCESS ROAD IS ON THE RIGHT SIDE OF PARISH ROAD 497. 0.95 MI. SE FROM INTERSECTION WITH PR 165. ROAD IS LEVEL BUT OVERGROWN WITH BRUSH.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b> <u>TIltmeter PITS ARE LOCATED AT END OF ACCESS ROAD IN CLEARING ABOUT 18 FT IN DIA. CLEARING IS OVERGROWN WITH SMALL TREES AND BRUSH.</u>			
<b>DESCRIPTION OF WELL HEAD</b> <u>TIltmeter SETUP CONSISTS OF 2, 3 1/2 FT DIA. CORRUGATED PIPES ABOUT 5 FT LONG. PLACED VERTICALLY IN THE GROUND ABOUT 11 FT APART. PIPES STICK UP ABOUT .5 FT ABOVE GROUND AND HAVE HINGED, LOCKING COVERS, ONE OF WHICH IS RIPPED OFF. PVC PIPES OF VARIOUS DIA. PROTRUDE INTO THE PITS FROM SIDES AND BOTTOM. BOTTOM OF PITS IS SOIL.</u>			
<b>DESCRIPTION OF PITS</b> <u>NA</u>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: NA</b>			
<b>GROUND ELEVATION</b> <u>NA</u> <b>FT (DATUM)</b>			
<b>REPORTED DEPTH</b> <u>NA</u> <b>FT (SEE BOREHOLE COMPLETION SKETCH)</b>			
<b>MEASURED DEPTH</b> <u>NA</u> <b>FT</b>		<b>OBSTRUCTION</b> <u>NA</u> <b>FT</b>	
<b>FLUID DEPTH</b> <u>NA</u> <b>FT</b>		<b>CHLORIDE CONTENT</b> <u>NA</u> <b>ppm Cl-</b>	
<b>CONDUCTIVITY</b> <u>NA</u> <b>mS/cm</b>		<b>TDS</b> <u>NA</u> <b>mg/L</b>	
<b>TEMPERATURE</b> <u>NA</u> <b>°C</b>			
<b>REMARKS</b> <u>BENCHMARK NEAR ENTRANCE TO SITE.</u>			
<b>*NOTE:</b> SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
<b>PR = Parish Road</b>			

## SITE RECONNAISSANCE FORM

		LOCATION 1182.03 FT NSL & 299.74 FT EWL* IN SEC 15, T17N, R8W -- WEBSTER PARISH	
CLIENT	DOE / SRPO	J.O. No.	17500.26
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE R.T. DECONT
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD IS ON RIGHT SIDE OF PARISH ROAD 497, .95 MI. SE OF INTERSECTION WITH PR 165. ROAD IS LEVEL BUT OVERGROWN WITH BRUSH.</u>			
DESCRIPTION OF SITE PAD AREA <u>TB-4 IS REPORTED TO BE ON A BEARING N44W FROM T-4, ABOUT 134 FT. A HOLE ABOUT 6 IN. IN DIA. AND 4 FT DEEP WAS FOUND ON THIS BEARING 110 FT FROM T-4. THE HOLE WAS STAKED AND PHOTOGRAPHED.</u>			
DESCRIPTION OF WELL HEAD      			
DESCRIPTION OF PITS <u>NA</u>      			
DEPTH AND BOREHOLE - FLUID SURVEY: <u>NA</u>			
GROUND ELEVATION <u>NA</u> FT (DATUM)			
REPORTED DEPTH <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>NA</u> FT	OBSTRUCTION <u>NA</u> FT		
FLUID DEPTH <u>NA</u> FT	CHLORIDE CONTENT <u>NA</u> ppm Cl-		
CONDUCTIVITY <u>NA</u> mS/cm	TDS <u>NA</u> mg/L		
TEMPERATURE <u>NA</u> °C			
REMARKS <u>NONE</u>      			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	
		PR = Parish Road	

## SITE RECONNAISSANCE FORM

		LOCATION 2901.78 FT EWL & 661.31 FT NSL* IN SEC 9, T17N, R8W -- WEBSTER PARISH	
CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>08/29/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>TIltmeter T-5</b>	TFSC FIELD REPRESENTATIVE <b>C.A. FOSTER/J.Q. KANTOLA</b>	
<b>DESCRIPTION OF SITE ACCESS</b>			
<u>ACCESS IS THROUGH GATE ON LEFT SIDE OF LANDOWNER'S* ROAD (LEFT FORK OF PARISH RD 497) 0.5 MI. FROM INTERSECTION WITH PR 165.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b>			
<u>SITE AREA IS ~0.3 MI WNW OF ACCESS GATE IN SW CORNER OF GRASSY FIELD/PASTURE (~100 FT FROM N. SIDE OF PR 497).</u>			
<b>DESCRIPTION OF WELL HEAD</b>			
<u>TIltmeter PITS CONSIST OF TWO CORRUGATED PIPES, ABOUT 5 FT AND 3 1/2 FT IN DIA., PLACED VERTICALLY IN THE GROUND ABOUT 10 1/2 FT APART. LARGER ONE STICKS UP 1.0 FT. SMALLER ONE ABOUT 1.5 FT. BOTH PIPES HAVE HINGED, LOCKING COVERS. CONTENTS OF PIT UNKNOWN AS NO KEYS AVAILABLE AT THIS TIME.</u>			
<b>DESCRIPTION OF PITS</b>			
NA			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: NA</b>			
GROUND ELEVATION <u>NA</u> FT (DATUM)			
REPORTED DEPTH <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>NA</u> FT	OBSTRUCTION <u>NA</u> FT		
FLUID DEPTH <u>NA</u> FT	CHLORIDE CONTENT <u>NA</u> ppm Cl-		
CONDUCTIVITY <u>NA</u> mS/cm	TDS <u>NA</u> mg/L		
TEMPERATURE <u>NA</u> °C			
<b>REMARKS</b>			
<u>EASY ACCESS, OPEN WORK AREA.</u>			
<u>* LANDOWNER IS I.W. ROWLAND (318) 377-5289</u>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

## SITE RECONNAISSANCE FORM

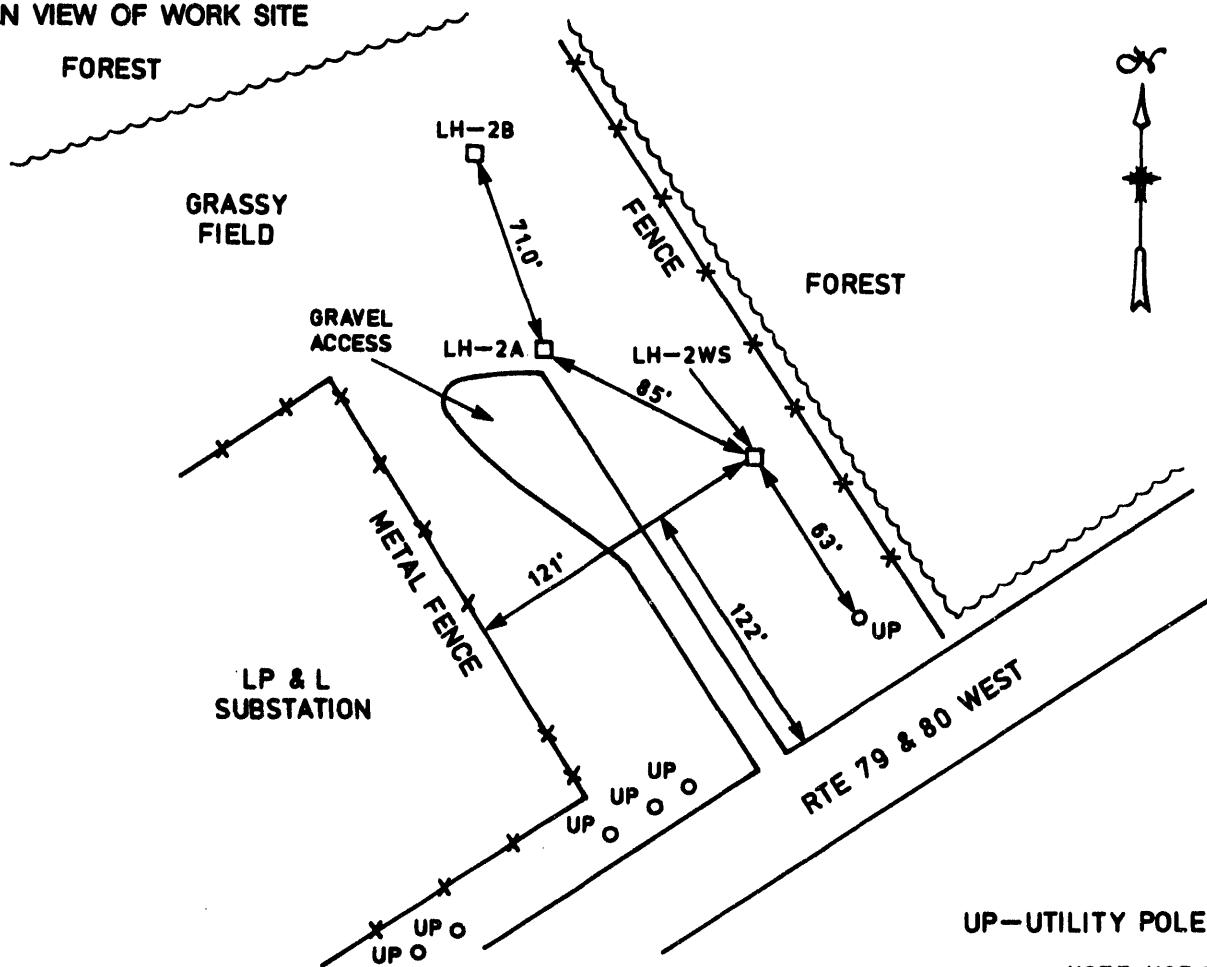
		LOCATION 2278.85 FT NSL & 4065.2 FT EWL* IN SEC 20, T17N, R8W -- BIENVILLE PARISH	
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 08/07/88
STATE LOUISIANA	WELL NAME & NUMBER GEOTECH. TB-2 & TB-2C3	TFSC FIELD REPRESENTATIVE R. KRANES	
<b>DESCRIPTION OF SITE ACCESS</b> <u>ACCESS ROAD ON N. SIDE OF PARISH ROAD 494, ABOUT 1.3 MI. FROM INTERSECTION WITH PR 173. ACCESS IS GENERALLY LEVEL AND SANDY. AT 0.8 MI. FROM PR 494 GO LEFT ON POOR CONDITION ROAD. AT 0.3 MI. GO RIGHT FOR 400 FT TO SITE AT TOP OF HILL.</u>			
<b>DESCRIPTION OF SITE PAD AREA</b> <u>TB-2 IS REPORTED TO BE ON A BEARING OF S03E FROM T-2 AT 84 FT. A 2 FT DIA. HOLE WAS LOCATED IN THIS GENERAL LOCATION. THE HOLE NARROWS TO 8 TO 10 IN. BELOW SURFACE AND IS DEEPER THAN 4-FT PROBE.</u>			
<b>DESCRIPTION OF WELL HEAD</b> <u>TB-2C3 IS REPORTED TO BE ON A BEARING OF N105.8W FROM T-2 ABOUT 192.5 FT. NO INDICATION OF A BOREHOLE WAS FOUND IN THE GENERAL VICINITY.</u>			
<hr/> <hr/> <hr/>			
<b>DESCRIPTION OF PITS</b> <u>NA</u>			
<hr/> <hr/> <hr/>			
<b>DEPTH AND BOREHOLE - FLUID SURVEY: NA</b>			
GROUND ELEVATION <u>NA</u> FT (DATUM)			
REPORTED DEPTH <u>NA</u> FT (SEE BOREHOLE COMPLETION SKETCH)			
MEASURED DEPTH <u>NA</u> FT	OBSTRUCTION <u>NA</u> FT		
FLUID DEPTH <u>NA</u> FT	CHLORIDE CONTENT <u>NA</u> ppm Cl-		
CONDUCTIVITY <u>NA</u> mS/cm	TDS <u>NA</u> mg/L		
TEMPERATURE <u>NA</u> °C			
<b>REMARKS</b>			
<u>NONE</u>			
<hr/> <hr/> <hr/>			
*NOTE: SNL = South of North Line NSL = North of South Line		EWL = East of West Line WEL = West of East Line	PR = Parish Road

# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

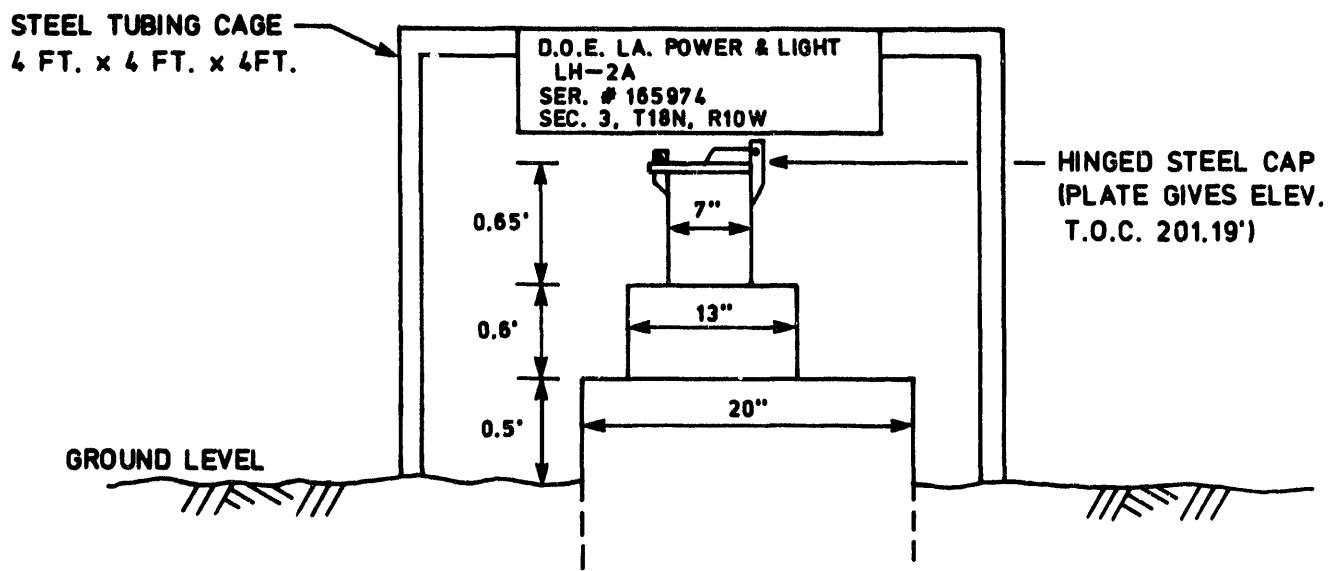
CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/24/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>L.P&amp;L LH-2A</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>

## PLAN VIEW OF WORK SITE



NOTE: NOT TO SCALE

## WELLHEAD PROFILE



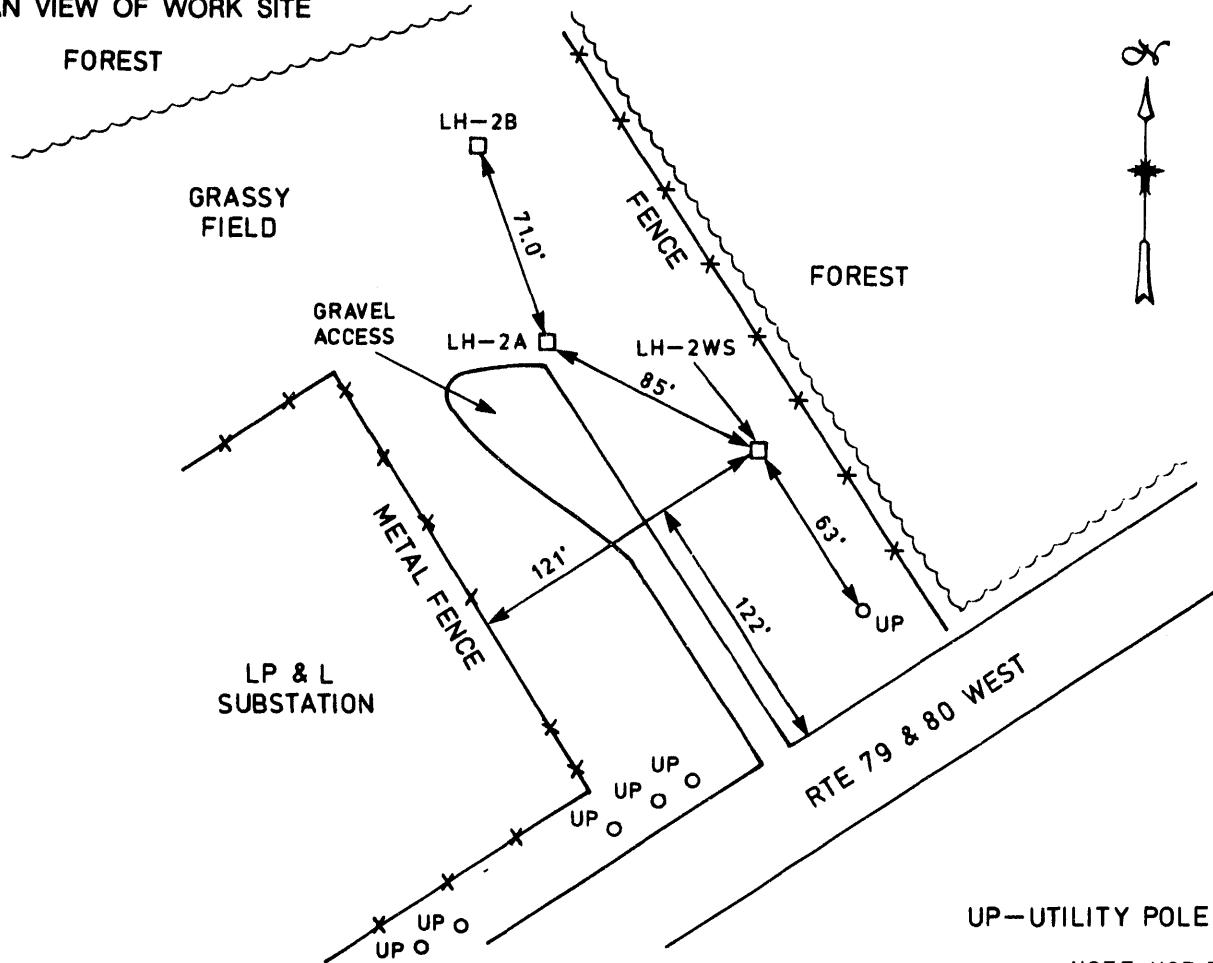
NOTE: NOT TO SCALE

# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/24/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>L.P.&amp;L LH-2B</b>	TFSC FIELD REPRESENTATIVE <b>J.M. GONZALES</b>

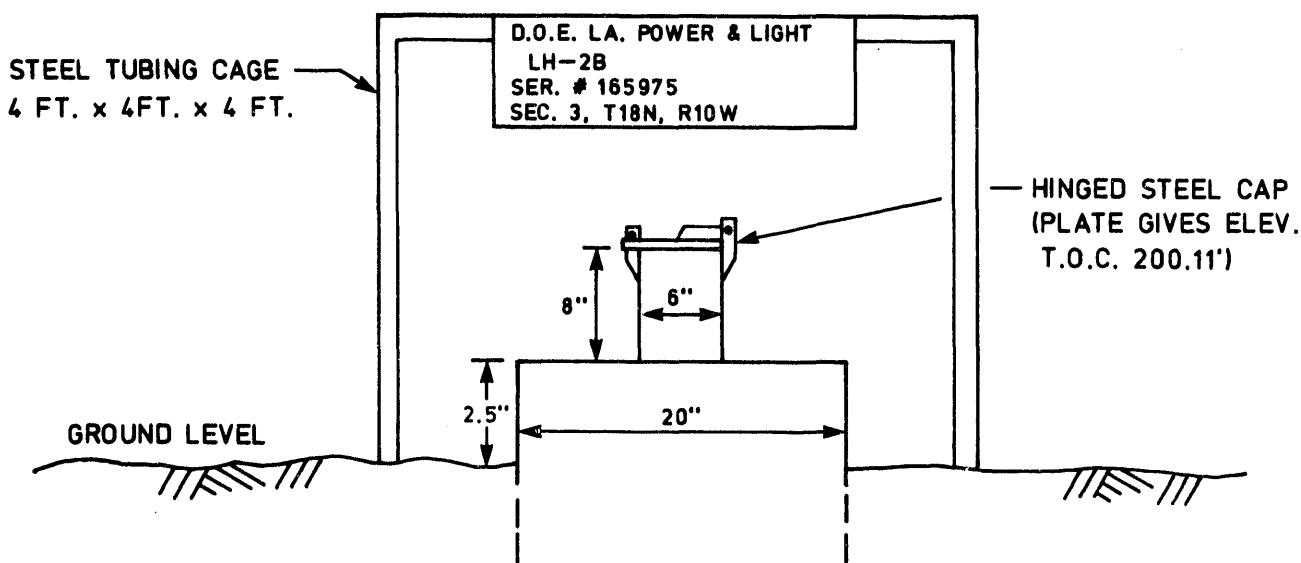
## PLAN VIEW OF WORK SITE



UP - UTILITY POLE

NOTE: NOT TO SCALE

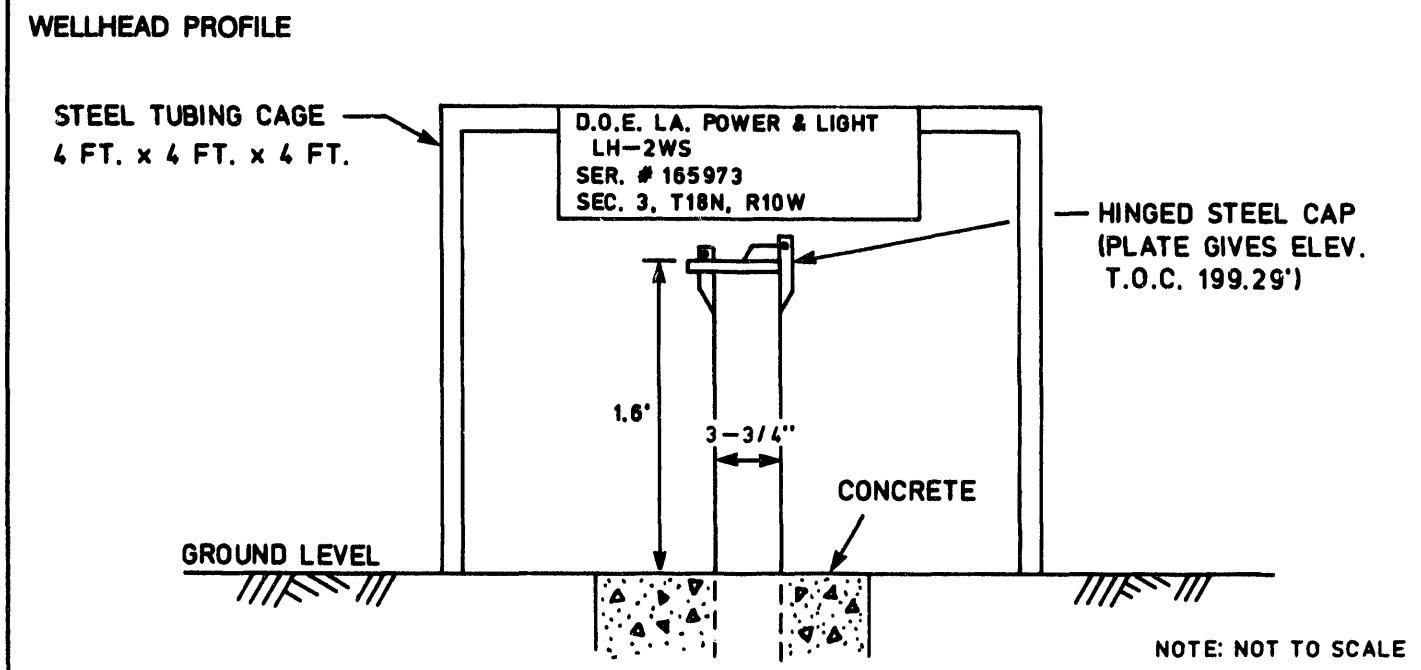
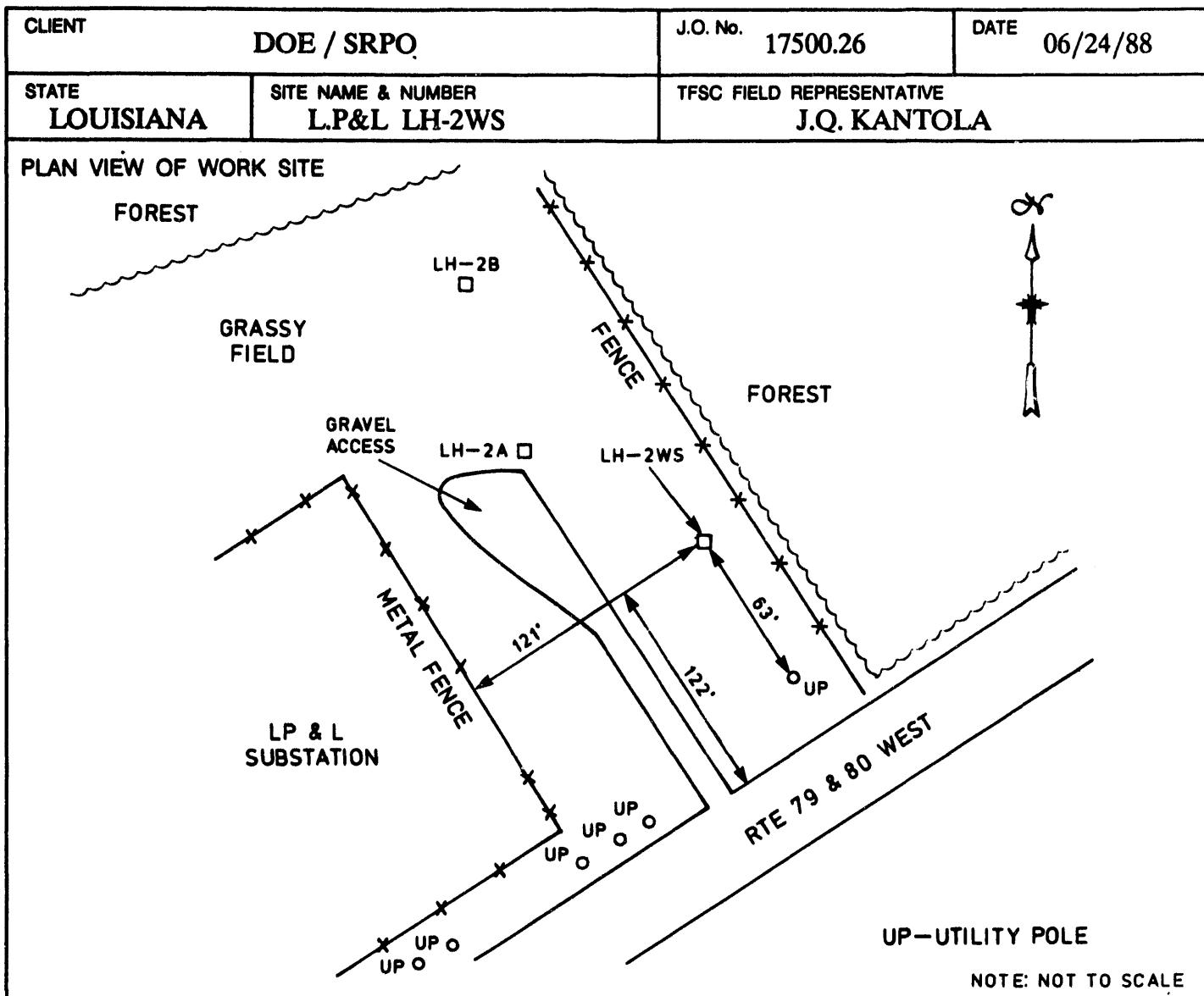
## WELLHEAD PROFILE



NOTE: NOT TO SCALE

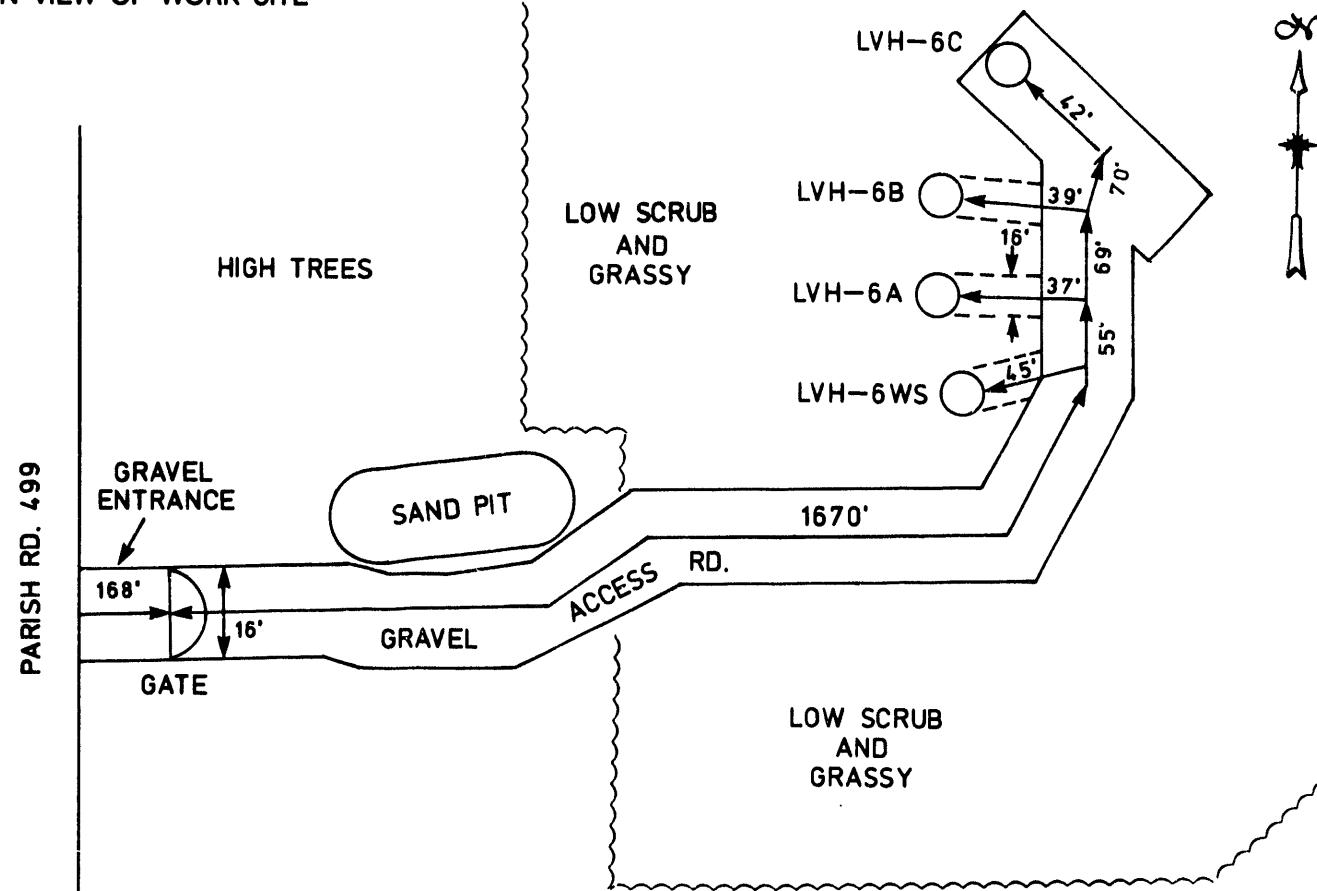
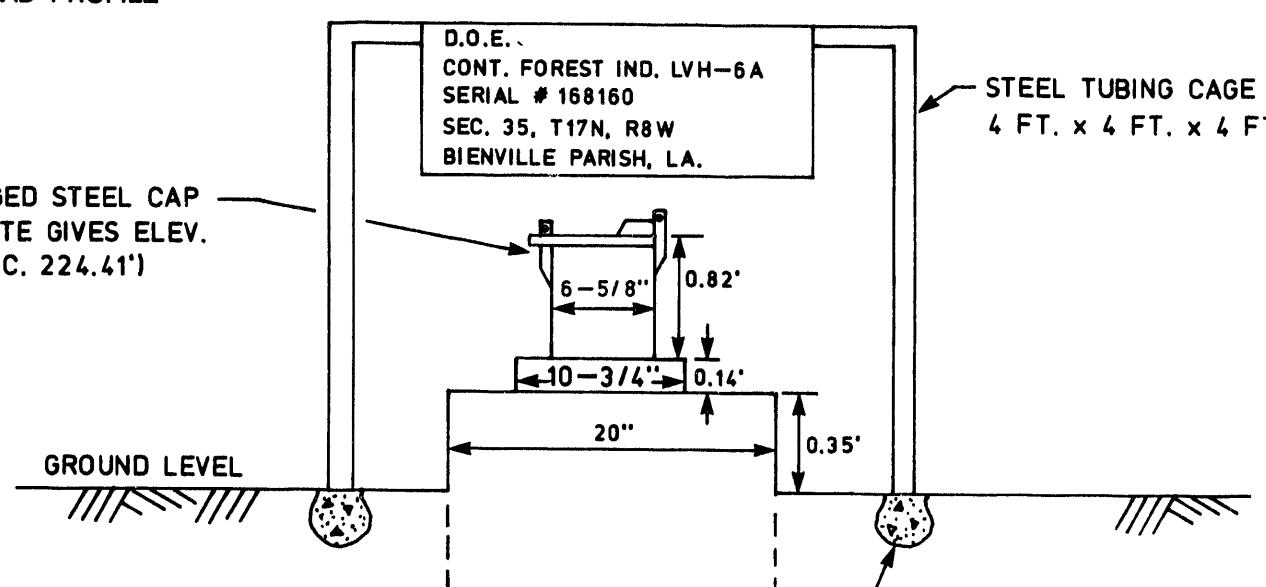
# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>06/25/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>KCI HODGE LVH-6A</b>	TFSC FIELD REPRESENTATIVE <b>J.L. WELC-LEPAIN</b>	
<b>PLAN VIEW OF WORK SITE</b>  <p>PARISH RD. 499</p> <p>GRAVEL ENTRANCE</p> <p>SAND PIT</p> <p>1670'</p> <p>ACCESS RD.</p> <p>GRAVEL</p> <p>GATE</p> <p>LOW SCRUB AND GRASSY</p> <p>HIGH TREES</p> <p>LVH-6C</p> <p>LVH-6B</p> <p>LVH-6A</p> <p>LVH-6WS</p> <p>168'</p> <p>16'</p> <p>69'</p> <p>70'</p> <p>16'</p> <p>37'</p> <p>55'</p> <p>65'</p> <p>NOTE: NOT TO SCALE</p>			
<b>WELLHEAD PROFILE</b>  <p>HINGED STEEL CAP (PLATE GIVES ELEV. T.O.C. 224.41')</p> <p>GROUND LEVEL</p> <p>CEMENT</p> <p>D.O.E. CONT. FOREST IND. LVH-6A SERIAL # 168160 SEC. 35, T17N, R8W BIENVILLE PARISH, LA.</p> <p>STEEL TUBING CAGE 4 FT. x 4 FT. x 4 FT.</p> <p>0.82'</p> <p>6-5/8"</p> <p>0.14'</p> <p>20"</p> <p>0.35'</p> <p>NOTE: NOT TO SCALE</p>			

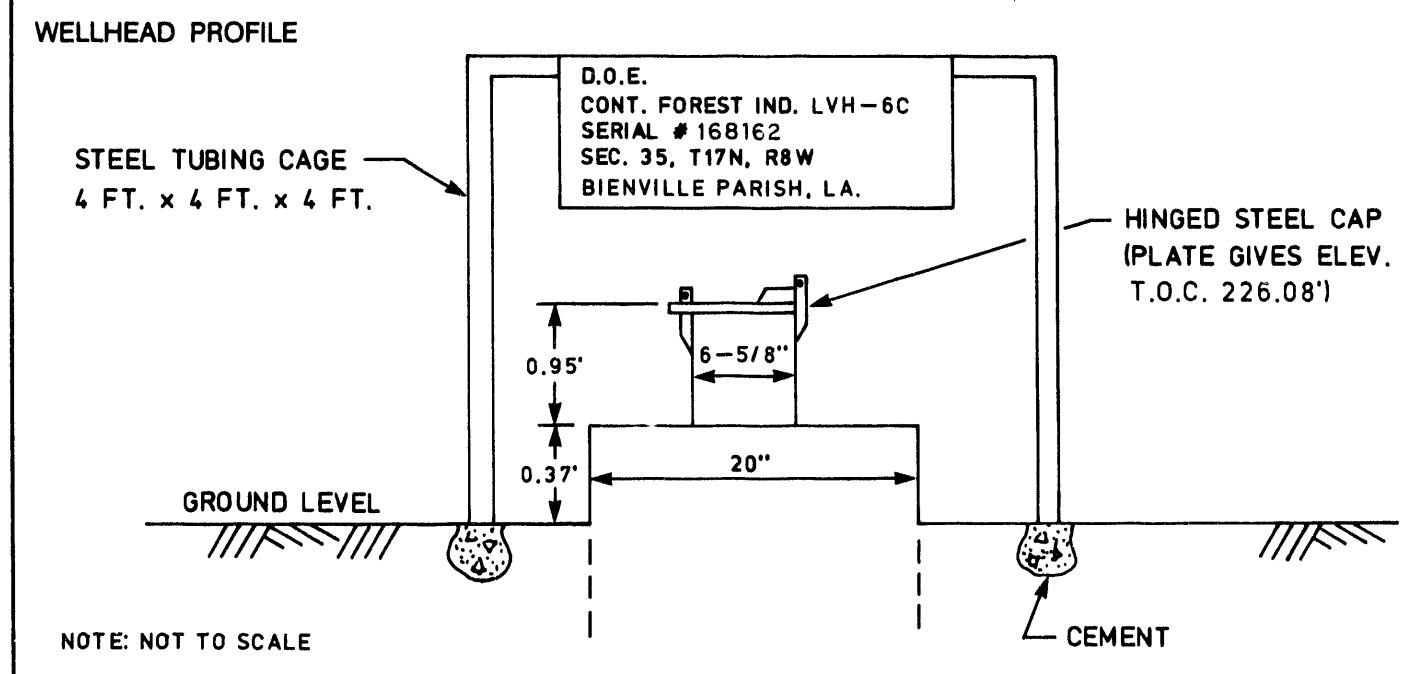
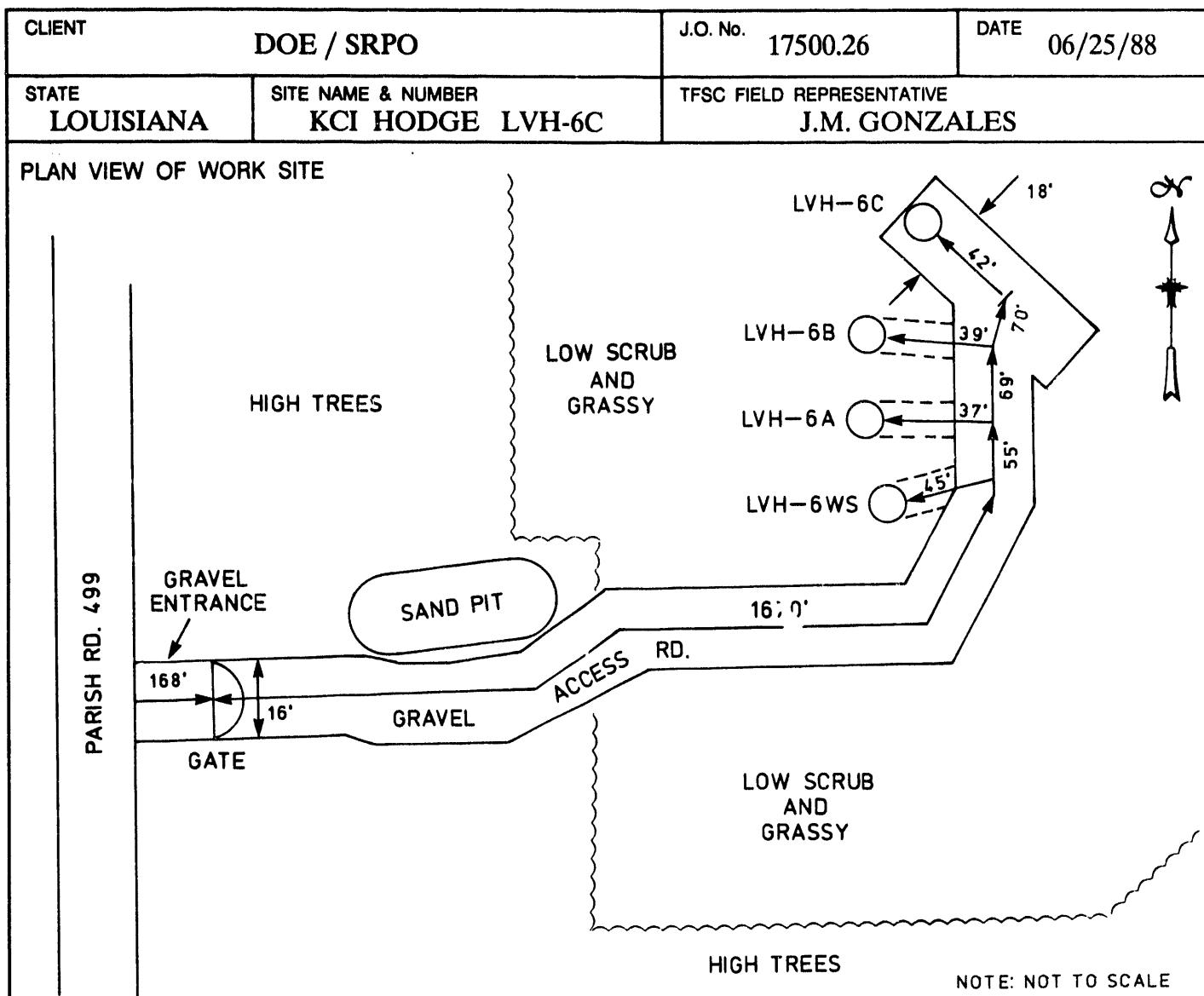
# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/25/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>KCI HODGE LVH-6B</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>
<b>PLAN VIEW OF WORK SITE</b>		
<p>PARISH RD. 499</p> <p>HIGH TREES</p> <p>LOW SCRUB AND GRASSY</p> <p>GRAVEL ENTRANCE</p> <p>SAND PIT</p> <p>1670'</p> <p>168'</p> <p>16'</p> <p>GRATE RD.</p> <p>GATE</p> <p>LOW SCRUB AND GRASSY</p> <p>HIGH TREES</p>		
<p>NOTE: NOT TO SCALE</p>		
<b>WELLHEAD PROFILE</b>		
<p>STEEL TUBING CAGE 4 FT. x 4 FT. x 4 FT.</p> <p>D.O.E. CONT. FOREST IND. LVH-6B SERIAL # 168161 SEC. 35, T17M, R8W BIENVILLE PARISH, LA.</p> <p>HINGED STEEL CAP (PLATE GIVES ELEV. T.O.C. 225.44')</p> <p>GROUND LEVEL</p> <p>0.90'</p> <p>0.45'</p> <p>20"</p> <p>6-5/8"</p> <p>CEMENT</p>		
<p>NOTE: NOT TO SCALE</p>		

## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/27/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>G.P. THEUS V-6</b>	TFSC FIELD REPRESENTATIVE <b>J.L. WELC-LEPAIN</b>

**PLAN VIEW OF WORK SITE**

**DIRT**

**192' FROM C OF ROAD**

**FENCE**

**LARGE TREE**

**CLUB HOUSE**

**WOODEN POST**

**LIGHT POST**

**WELL V-6**

**HOUSE**

**SHED**

**PARISH RD. 497**

**2.6 MILES TO  
INTERSECTION  
WITH PARISH ROAD 499**

**NOTE: NOT TO SCALE**

---

**WELLHEAD PROFILE**

**THREADED PLUG**

**1-1/4" O.D. PIPE**

**10-1/2" DIA. PLATES**

**WELDED**

**GROUND LEVEL**

**3 FT. x 3 FT. CEMENT PAD**

**1/2"**

**1/2"**

**7"**

**5.6"**

**NOTE: NOT TO SCALE**

## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>06/27/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>E.SCONNELL V-7</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>	
PLAN VIEW OF WORK SITE			
<p>FOREST</p> <p>FOREST</p> <p>FOREST</p> <p>FOREST</p> <p>FOREST</p> <p>DIRT MOUND</p> <p>V-7</p> <p>DOE SMITH</p> <p>PARISH RD. 169</p> <p>BLOWN UP SECTION</p> <p>SANDY ACCESS ROAD</p> <p>GRASS</p> <p>DIRT PILE</p> <p>GRASS</p> <p>GRASS</p> <p>CONCRETE</p> <p>V-7</p> <p>3' 9" FROM C. OF ROAD</p> <p>27"</p> <p>3'</p> <p>NOTE: NOT TO SCALE</p>			
WELLHEAD PROFILE			
<p>PLUG</p> <p>10.2" CIRCULAR COVER PLATE</p> <p>0.9'</p> <p>6.2"</p> <p>5.8"</p> <p>THREADS</p> <p>GROUND LEVEL</p> <p>3' X 3' CONCRETE PAD</p> <p>6"</p> <p>NOTE: NOT TO SCALE</p>			

# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

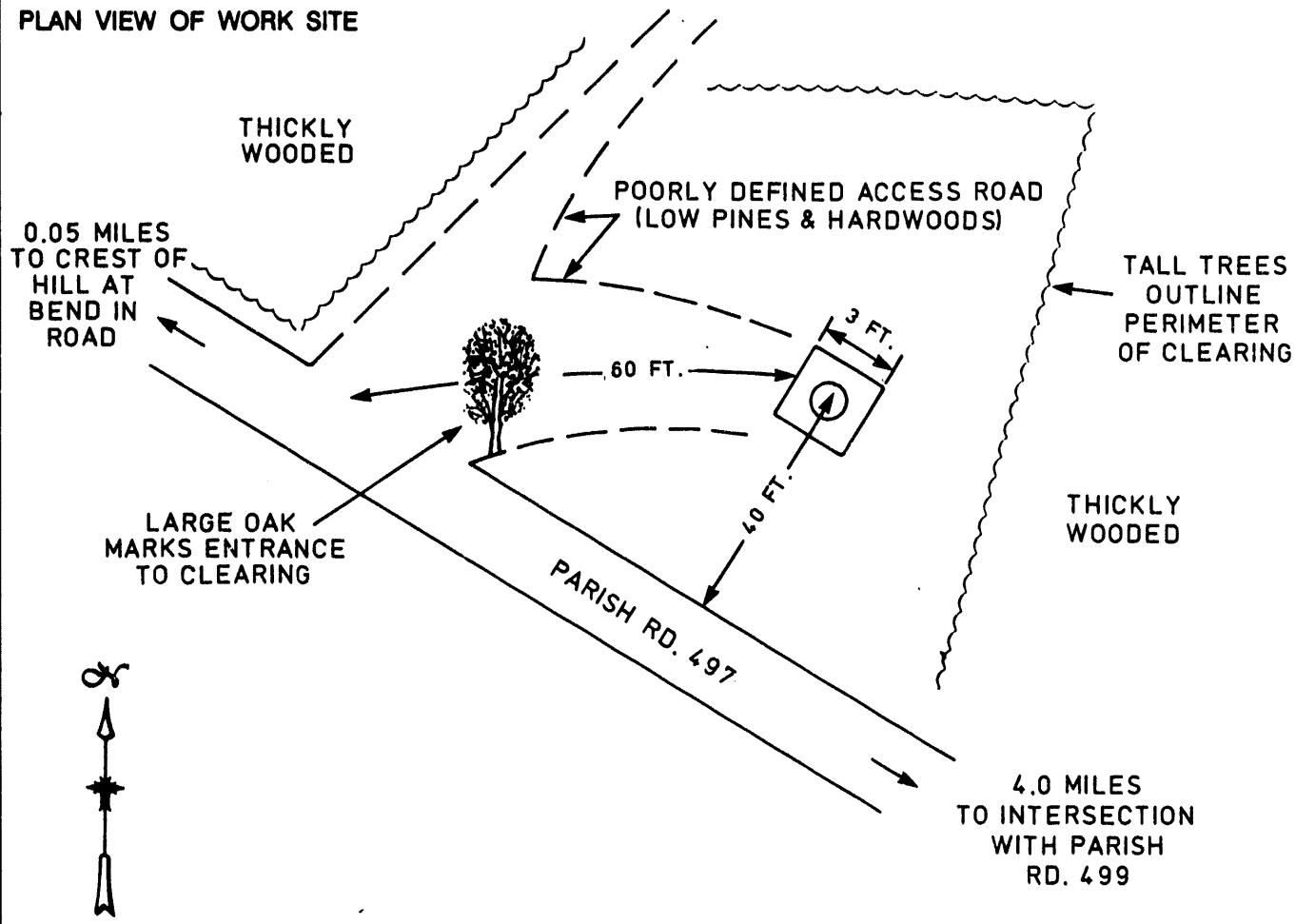
CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>01/04/89</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>E.S. CONNELL V-5</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>
<b>PLAN VIEW OF WORK SITE</b>		
<p><b>DIRT (EXISTING)</b> 0.16 MI.</p> <p><b>NEW GROWTH AREA:</b></p> <p><b>WETLAND/SWALE</b></p> <p><b>NEW GROWTH AREA</b></p> <p><b>V-5</b></p> <p><b>25'</b></p> <p><b>NEW GROWTH AREA:</b> TREE HT. 2' TO 10' TREE SPACING 10' TO 20'</p> <p><b>NOTE:</b> TALL GRASS AND BRUSH BETWEEN TREES NOT TO SCALE</p>		
<b>WELLHEAD PROFILE</b>		
<p><b>BOLTS</b></p> <p><b>10 INCH DIA. TOP &amp; BOTTOM FLANGES</b></p> <p><b>1/3" (THICKNESS)</b></p> <p><b>5.0"</b></p> <p><b>1.39"</b></p> <p><b>1"</b></p> <p><b>1"</b></p> <p><b>GROUND LEVEL</b></p> <p><b>NOTE: NOT TO SCALE</b></p>		

# SCHEMATIC OF PREABANDONMENT SITE STATUS

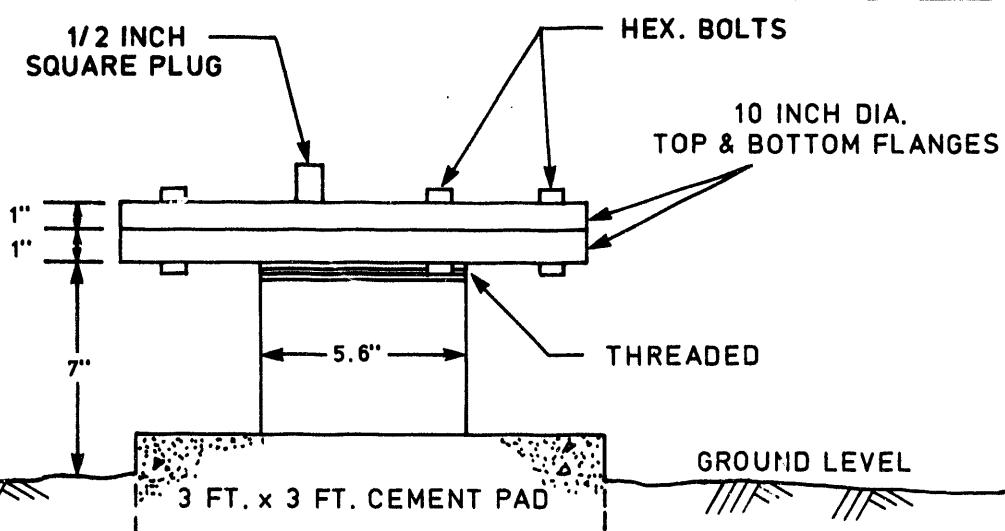
ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/27/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>N.C. RAYFORD V-4</b>	TFSC FIELD REPRESENTATIVE <b>R.T. DECONT</b>

## PLAN VIEW OF WORK SITE



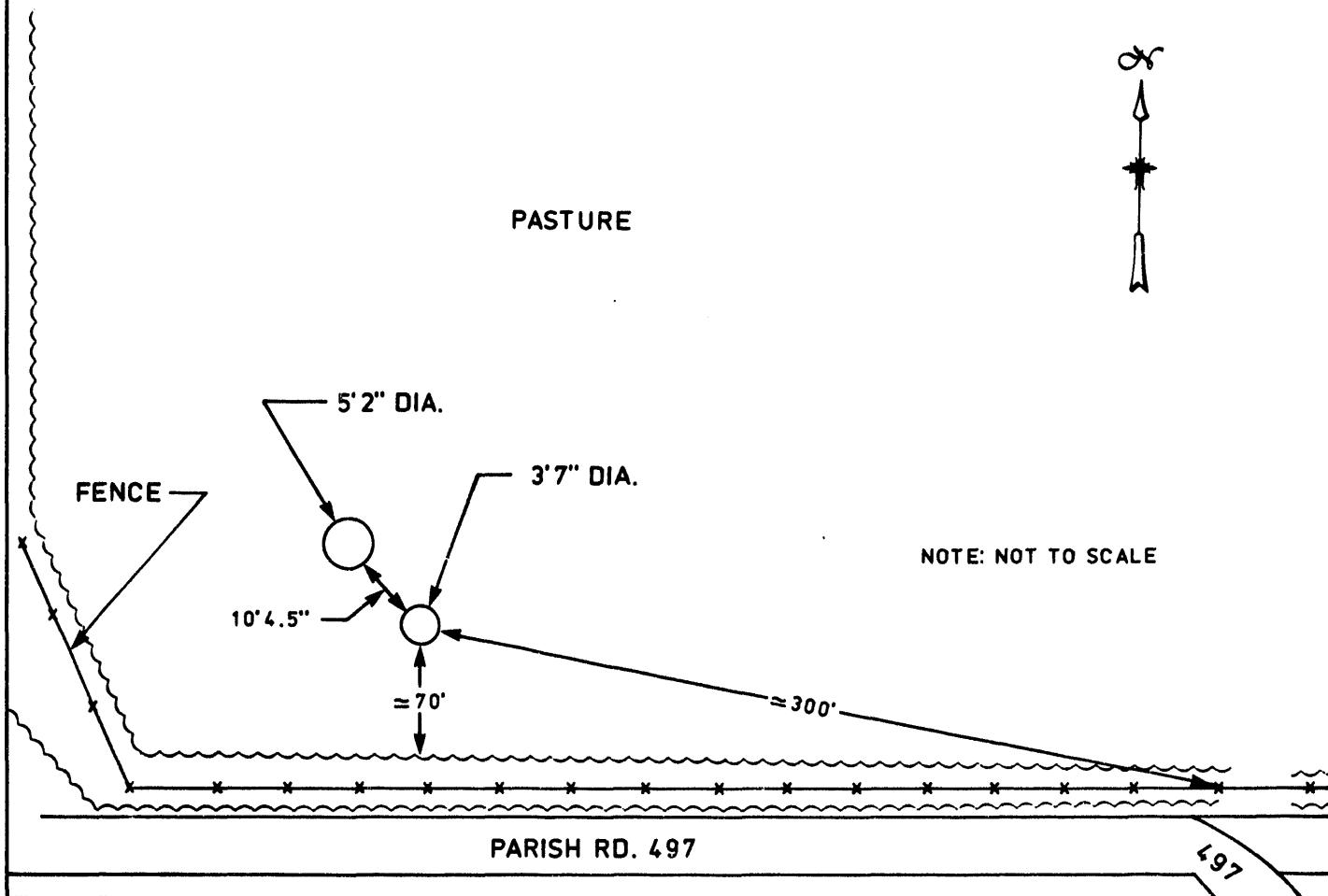
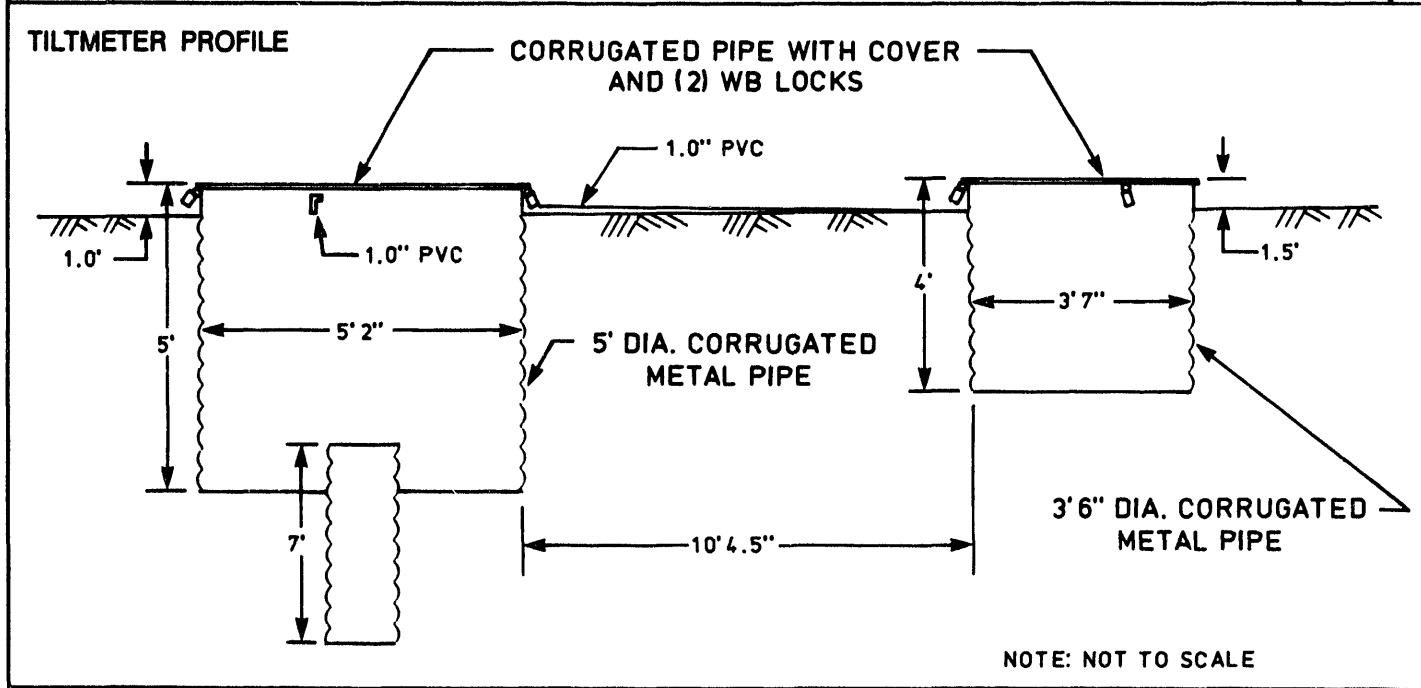
## WELLHEAD PROFILE



NOTE: NOT TO SCALE

## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

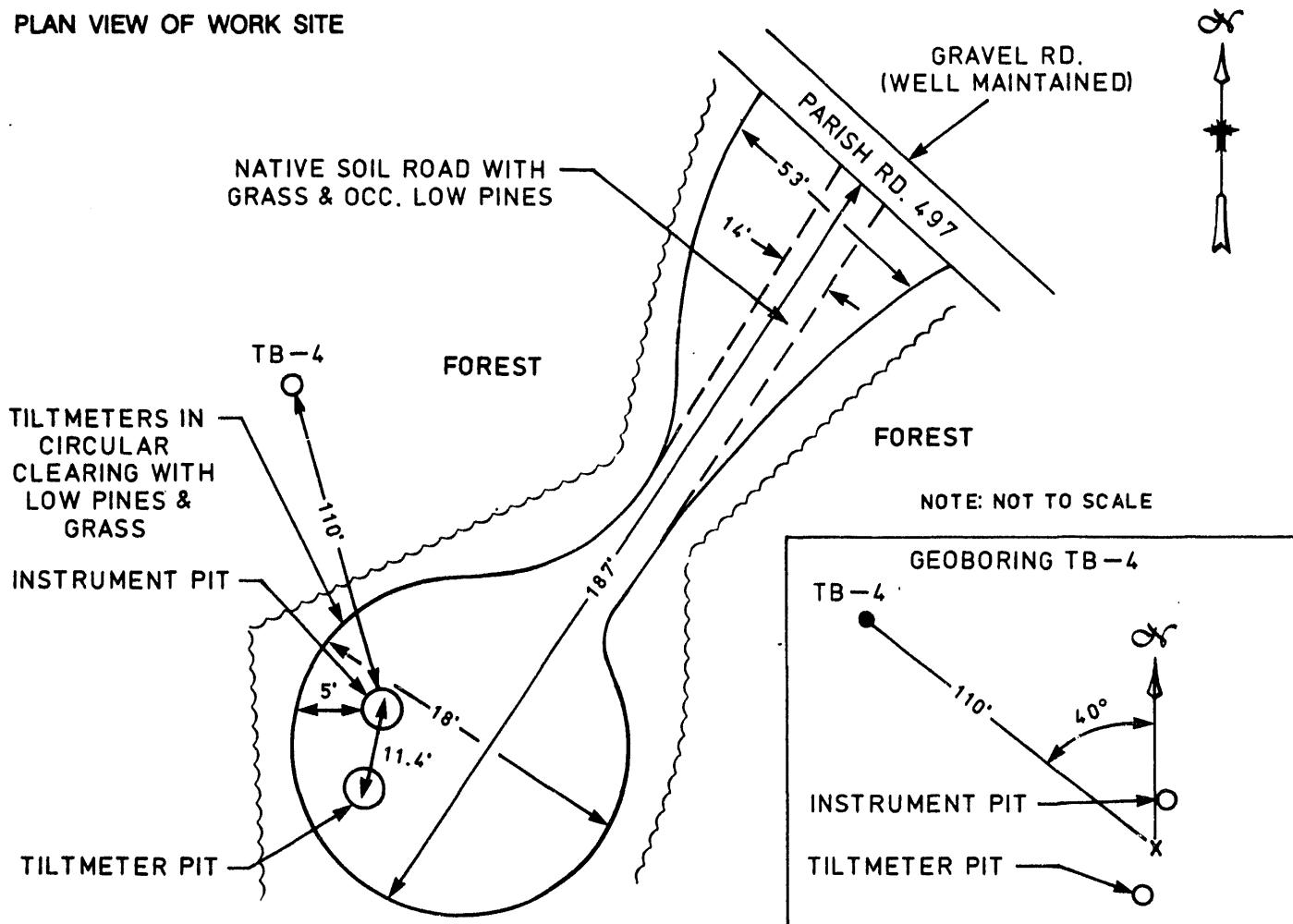
CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>08/29/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>TLTMETER T-5</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA/C.A. FOSTER</b>
<b>PLAN VIEW OF WORK SITE</b>		
		
<b>TILTMETER PROFILE</b> 		

# SCHEMATIC OF PREABANDONMENT SITE STATUS

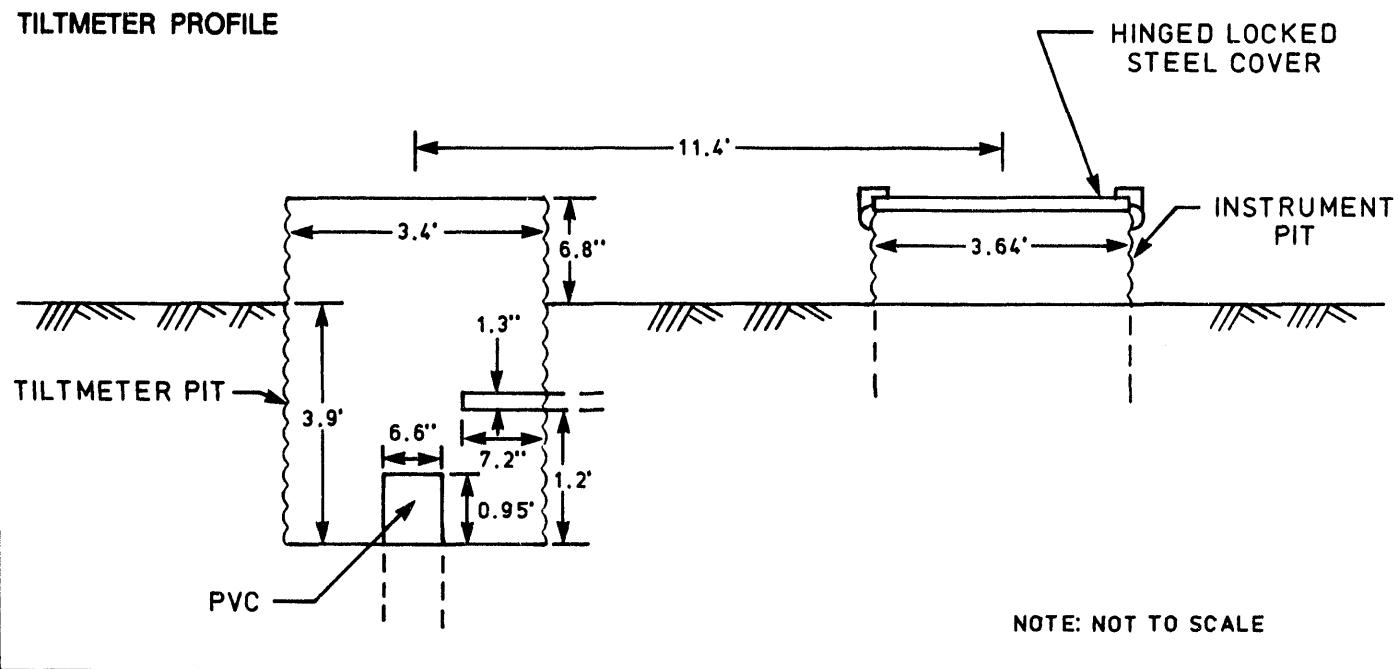
ATTACHMENT 3

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	06/27/88
STATE	SITE NAME & NUMBER	TFSC FIELD REPRESENTATIVE			
LOUISIANA	TIltmeter T-4	R.T. DECONT			

## PLAN VIEW OF WORK SITE

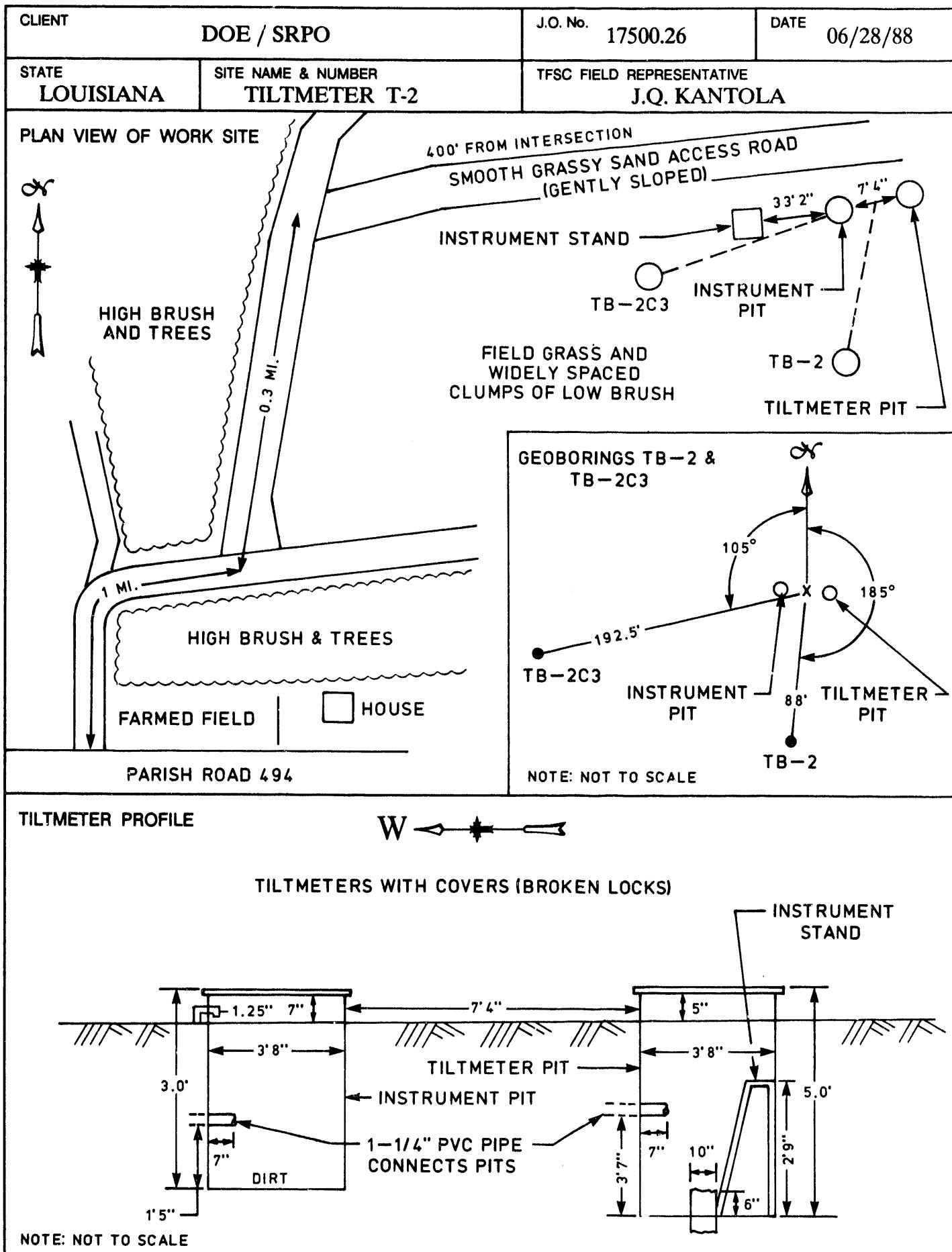


## TIltmeter PROFILE



# SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



# SCHEMATIC OF PREABANDONMENT SITE STATUS

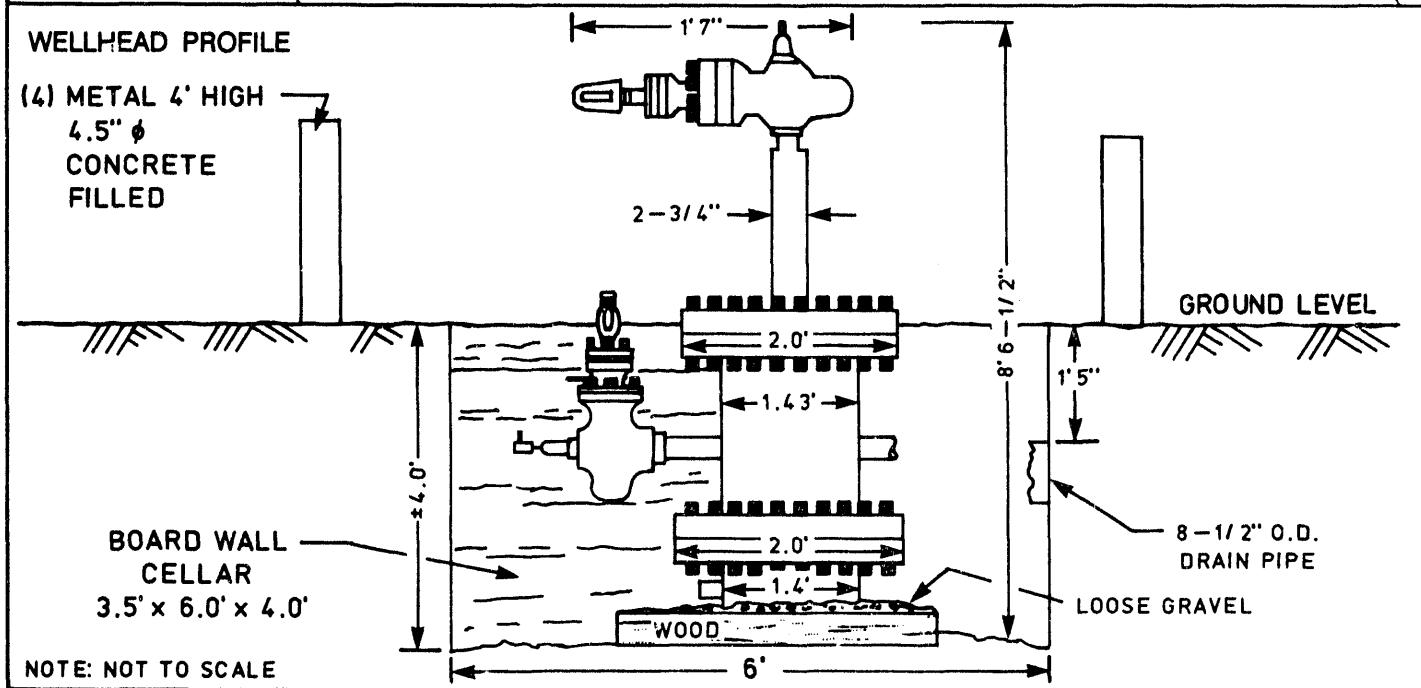
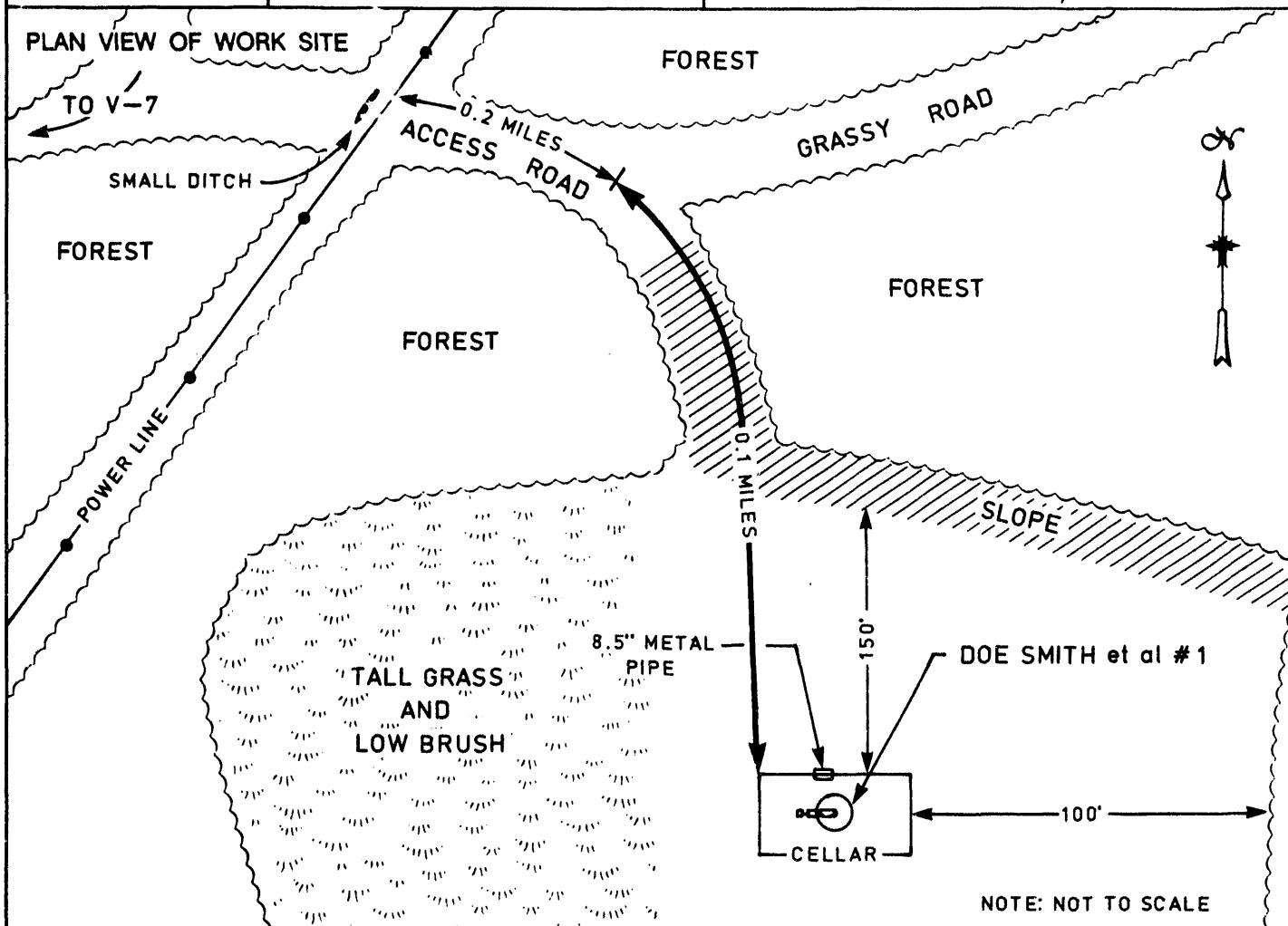
ATTACHMENT 3

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 06/27/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-3	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA
PLAN VIEW OF WORK SITE		
TILTMETER PROFILE		

## SCHEMATIC OF PREABANDONMENT SITE STATUS

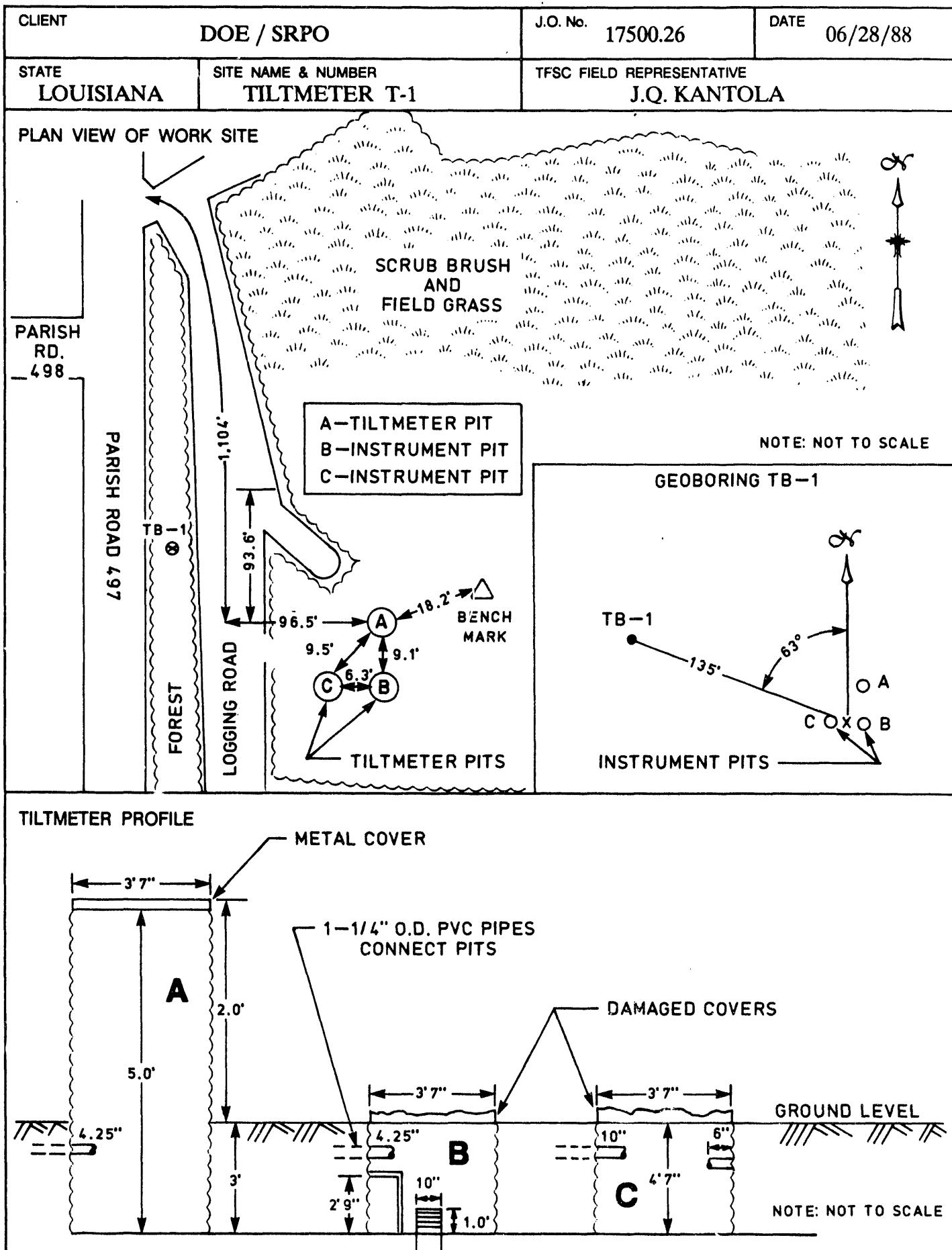
ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>08/29/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>SMITH ET AL. #1</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA/C.A. FOSTER</b>



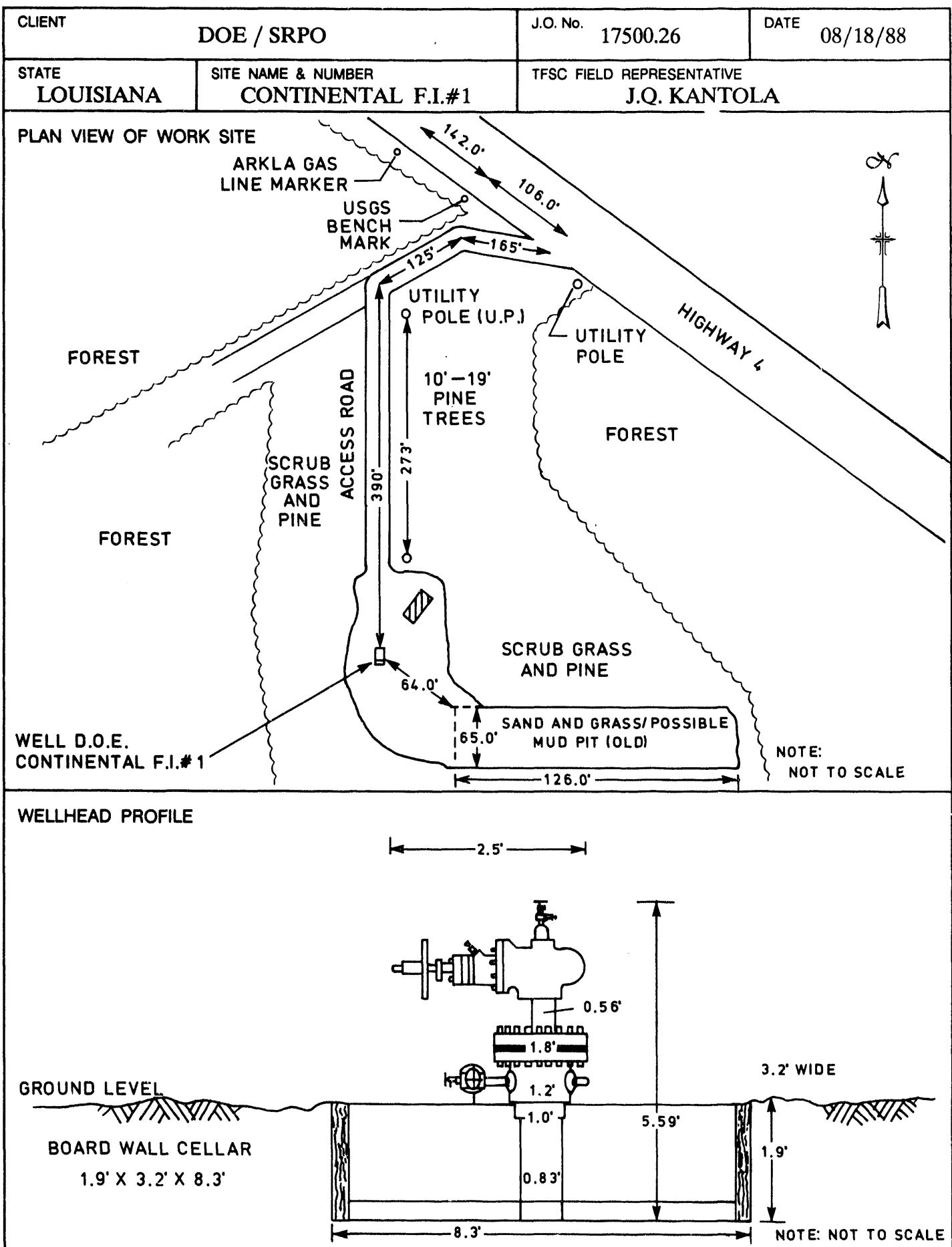
## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

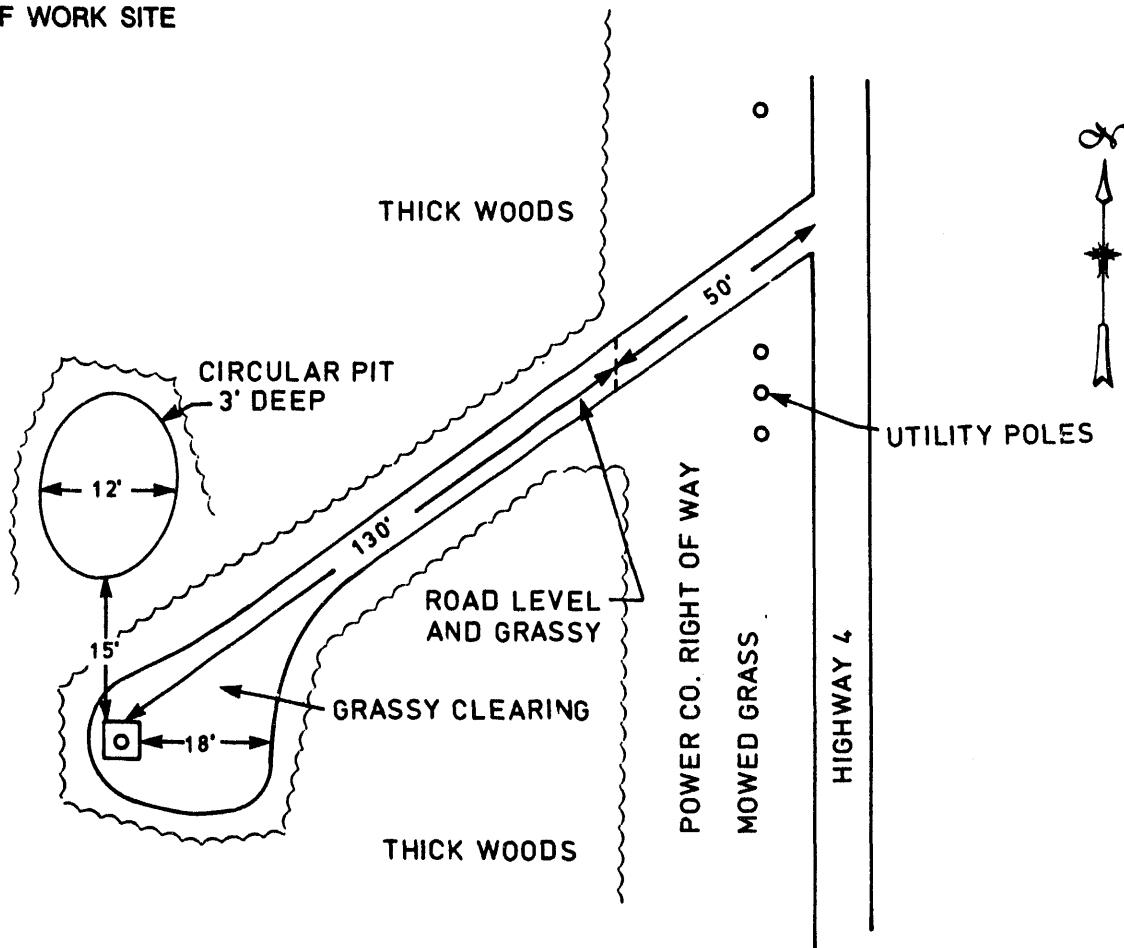


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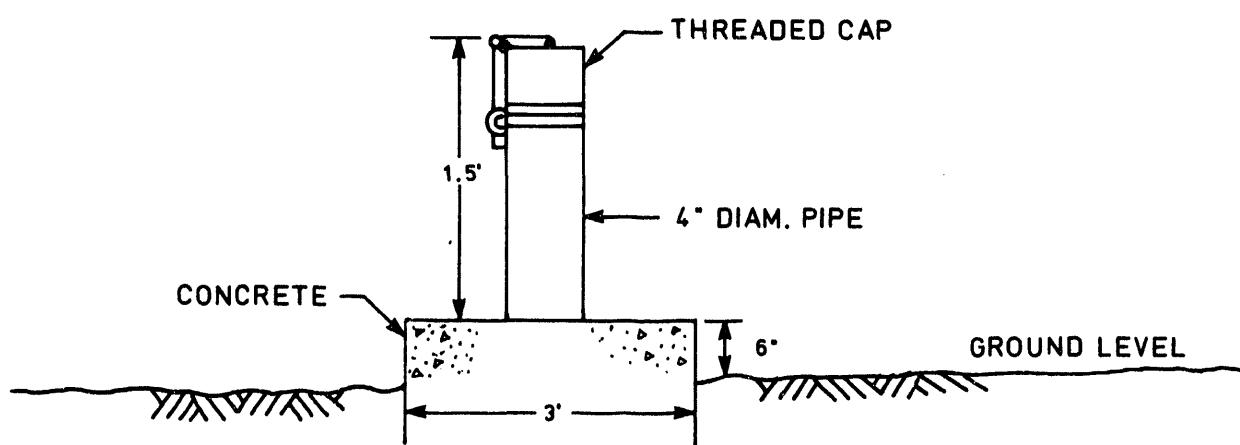
ATTACHMENT 3

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 08/13/88
STATE LOUISIANA	SITE NAME & NUMBER LSU-R1A	TFSC FIELD REPRESENTATIVE R.T. DECONT

## PLAN VIEW OF WORK SITE

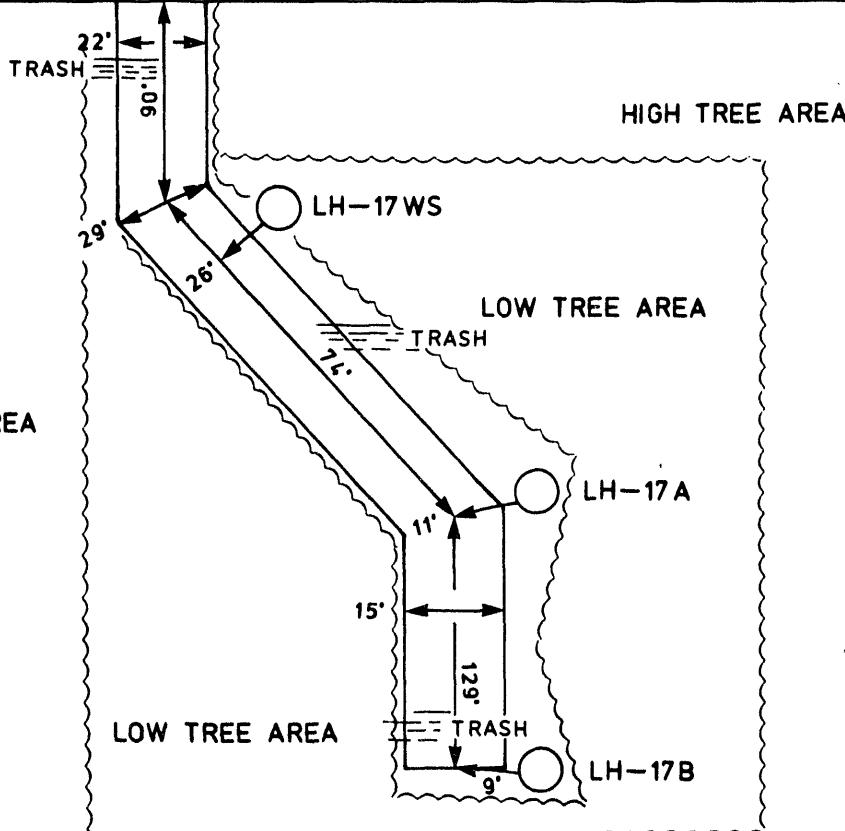
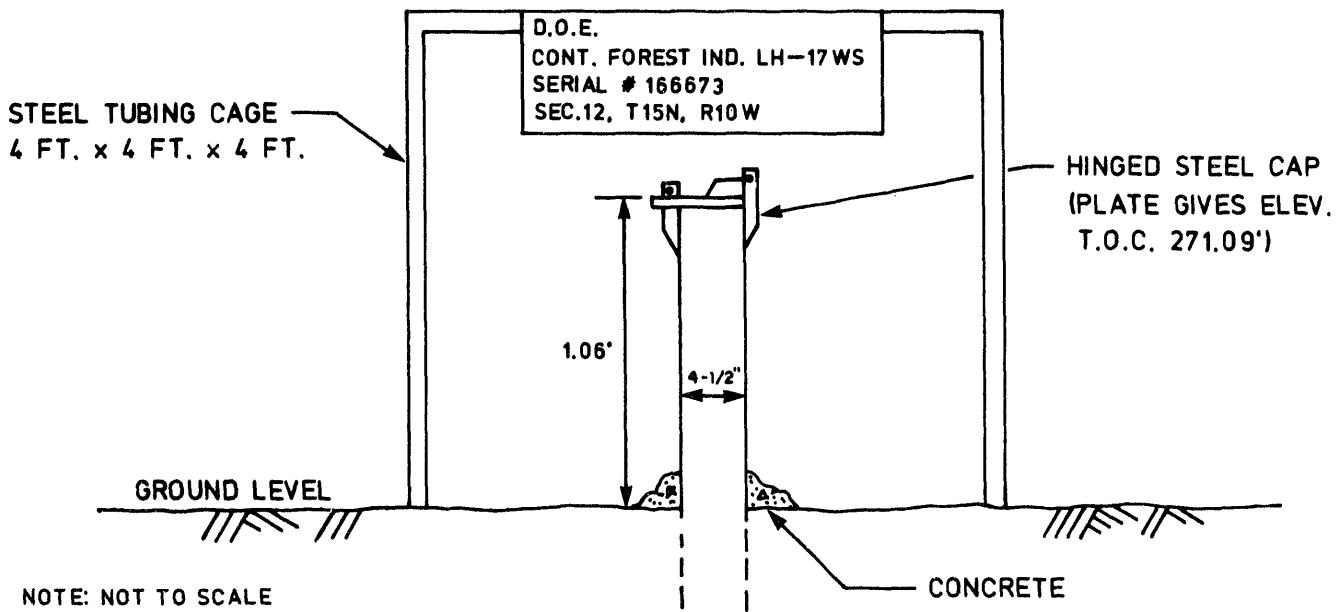


## WELLHEAD PROFILE



## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/25/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>KCI HODGE LH-17WS</b>	TFSC FIELD REPRESENTATIVE <b>J.L. WELC-LEPAIN</b>
<b>PLAN VIEW OF WORK SITE</b>		
<b>PARISH RD. 536</b>		
		
<b>NOTE: NOT TO SCALE</b>		
<b>WELLHEAD PROFILE</b>		
		
<b>NOTE: NOT TO SCALE</b>		

## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>06/25/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>KCI HODGE LH-17A</b>	TFSC FIELD REPRESENTATIVE <b>J.L. WELC-LEPAIN</b>	
PLAN VIEW OF WORK SITE			
PARISH RD. 536			
NOTE: NOT TO SCALE			
WELLHEAD PROFILE			
NOTE: NOT TO SCALE			

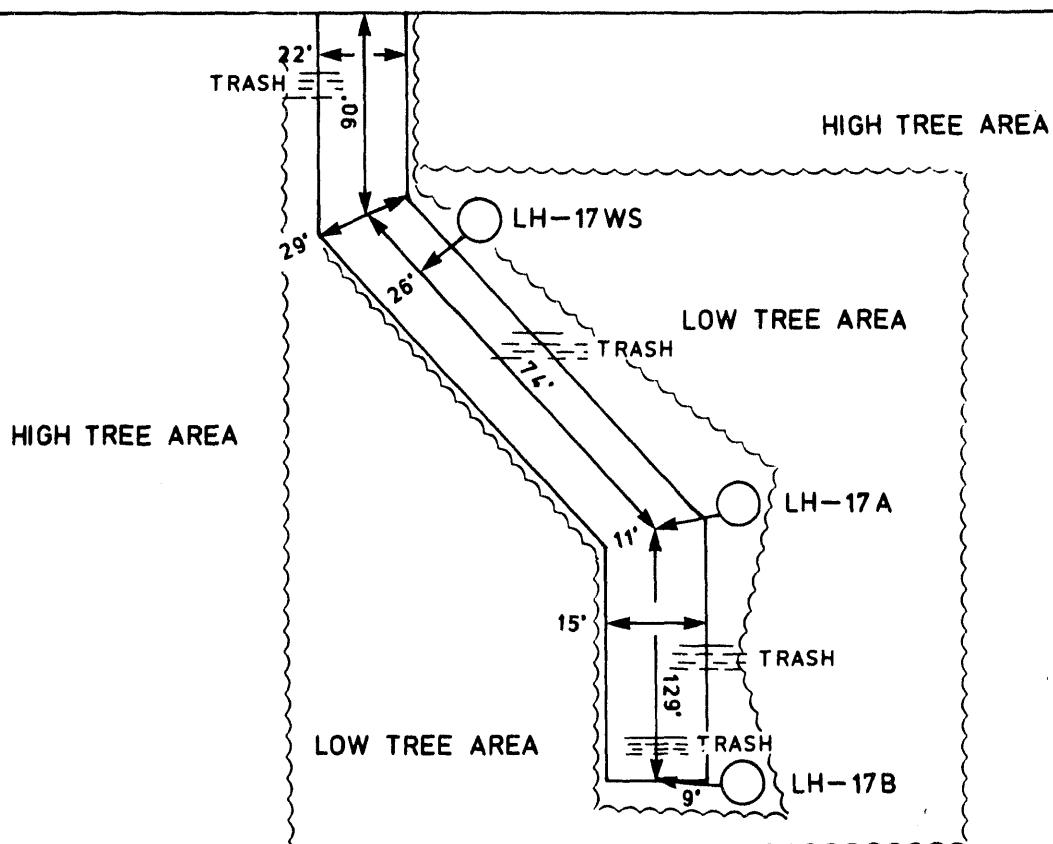
## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 06/25/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LH-17B	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN

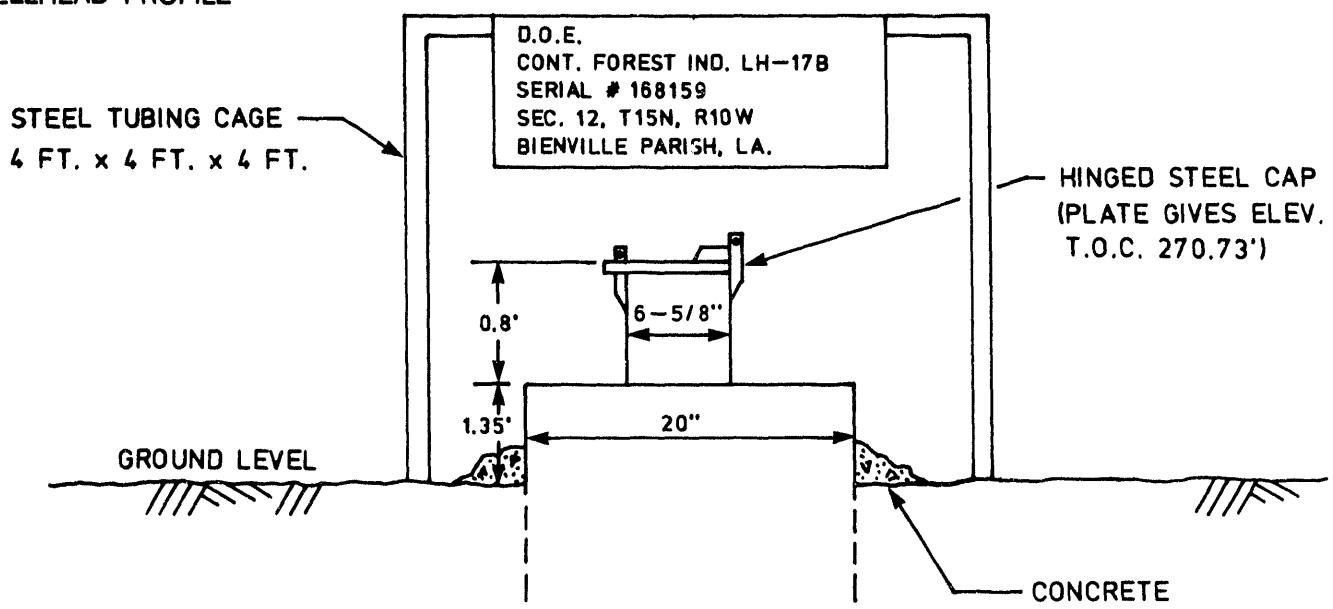
## PLAN VIEW OF WORK SITE

PARISH RD. 536



NOTE: NOT TO SCALE

## WELLHEAD PROFILE

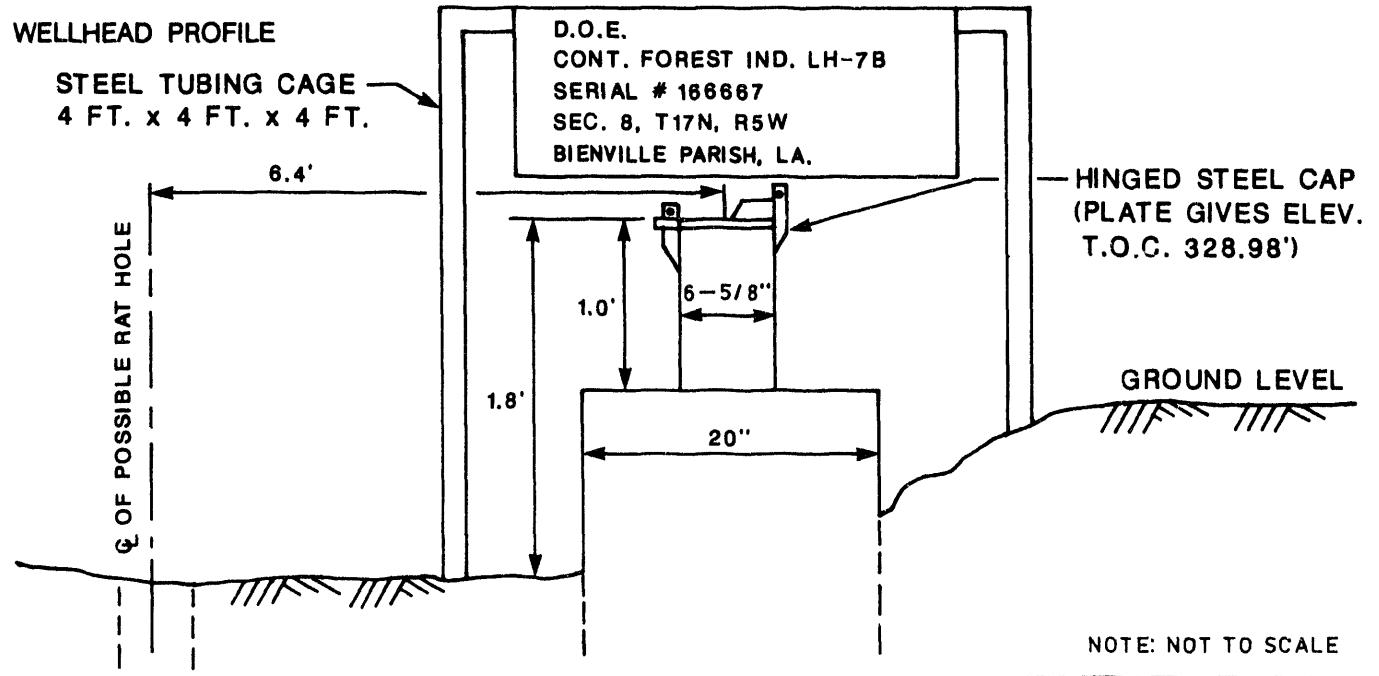
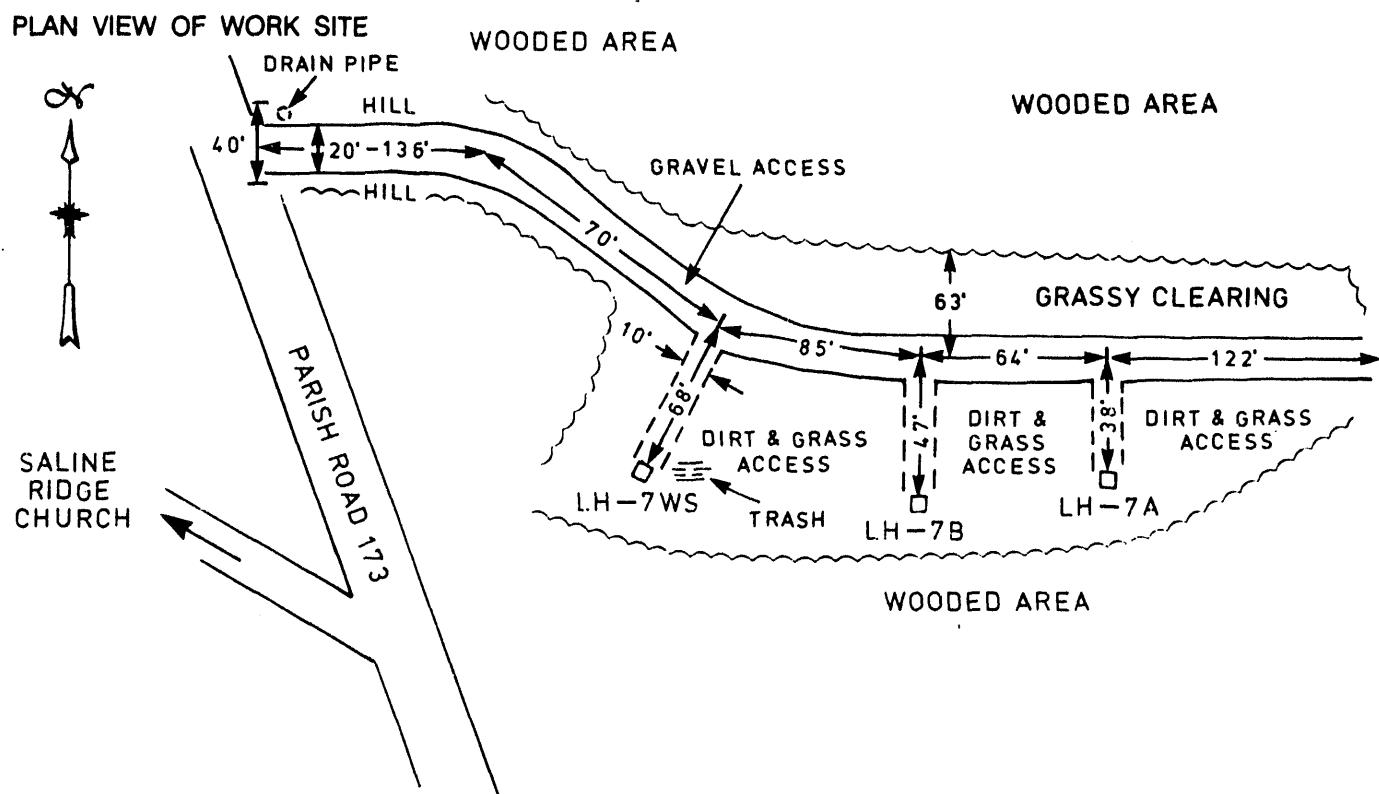


NOTE: NOT TO SCALE

## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 06/24/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LH-7B	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA



## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>06/24/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>KCI HODGE LH-7WS</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>

**PLAN VIEW OF WORK SITE**

DRAIN PIPE

WOODED AREA

HILL

GRANITE ACCESS

WOODED AREA

PARISH ROAD 173

SALINE RIDGE CHURCH

WOODED AREA

GRASSY CLEARING

DIRT & GRASS ACCESS

DIRT & GRASS ACCESS

DIRT & GRASS ACCESS

LH-7WS

LH-7B

LH-7A

TRASH

NOTE: NOT TO SCALE

**WELLHEAD PROFILE**

STEEL TUBING CAGE  
4 FT. x 4 FT. x 4 FT.

D.O.E.  
CONT. FOREST IND. LH-7WS  
SERIAL # 166670  
SEC. 8, T17N, R5W  
BIENVILLE PARISH, LA.

HINGED STEEL CAP  
(PLATE GIVES ELEV.  
T.O.C. 335.29')

2.5'

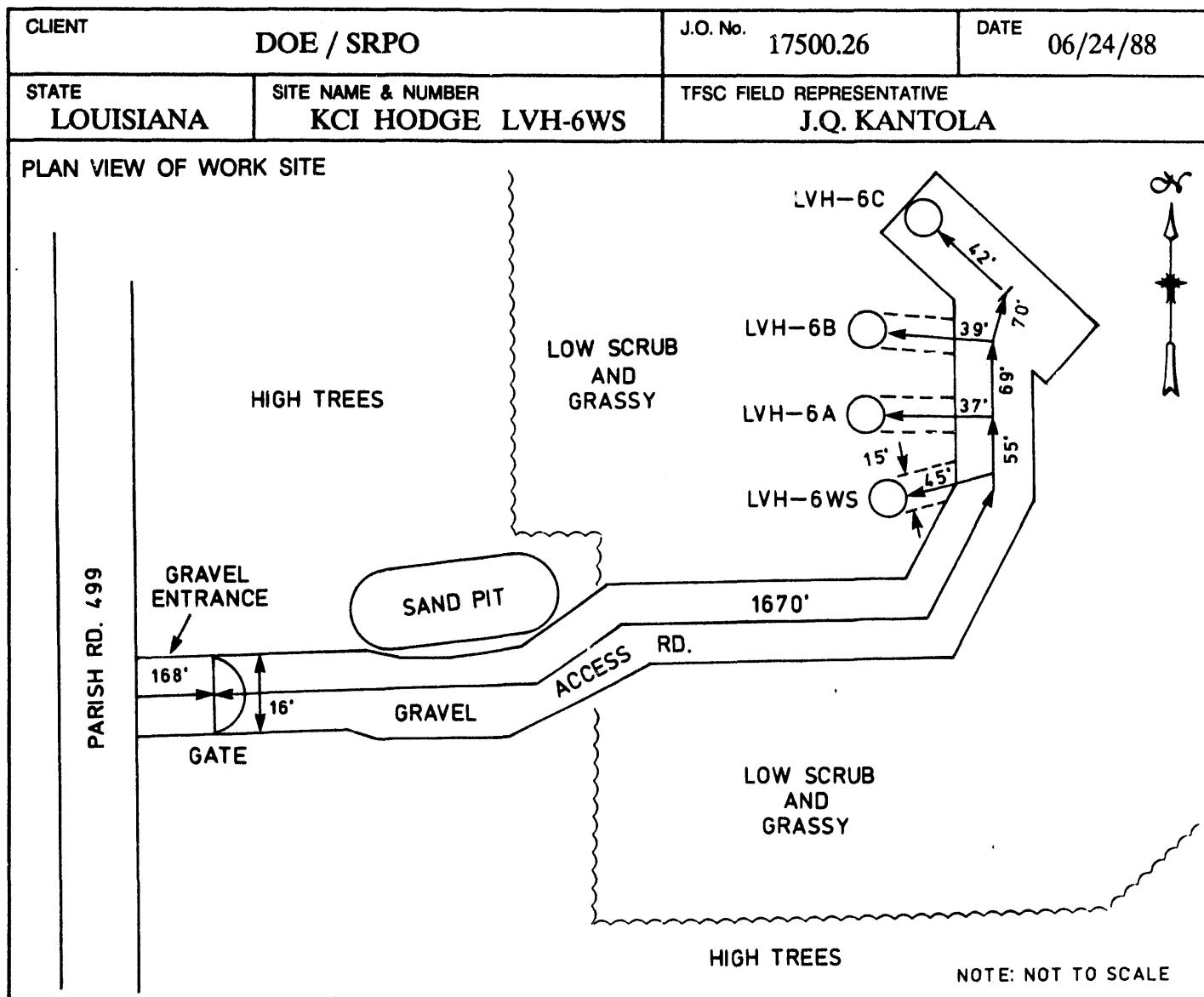
6-5/8"

GROUND LEVEL

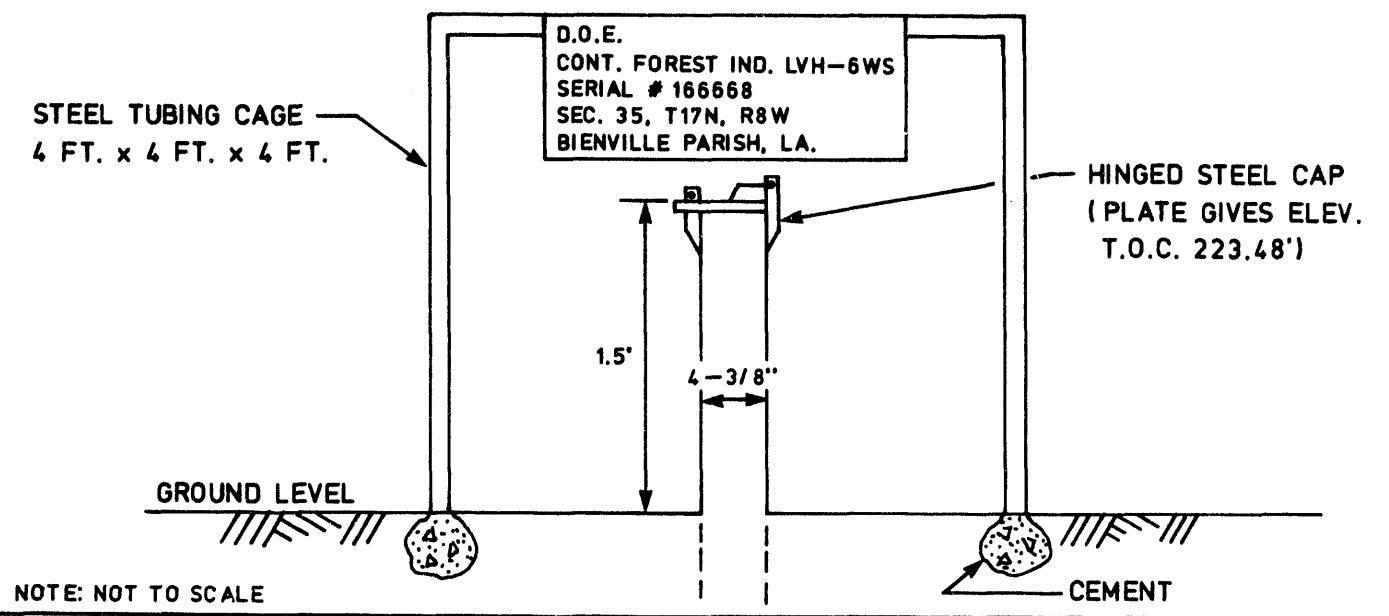
NOTE: NOT TO SCALE

## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



## WELLHEAD PROFILE



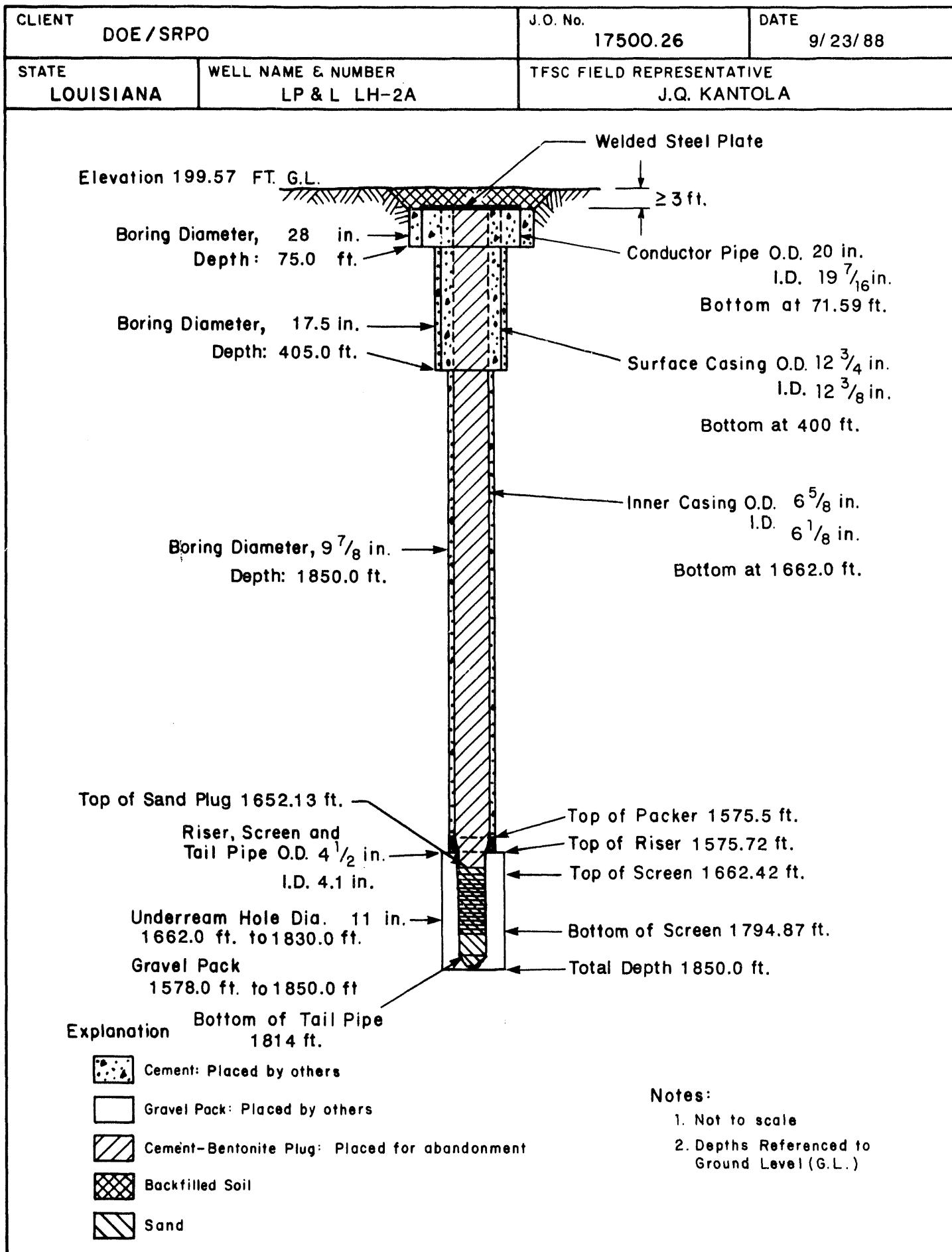
## SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>06/24/88</b>
STATE <b>LOUISIANA</b>	SITE NAME & NUMBER <b>KCI HODGE LH-7A</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>	
<b>PLAN VIEW OF WORK SITE</b> 			
NOTE: NOT TO SCALE			
<b>WELLHEAD PROFILE</b> <p style="text-align: center;">D.O.E. CONT. FOREST IND. LH-7A SERIAL # 166669 SEC. 5, T17N, R5W BIENVILLE PARISH, LA.</p> <p style="text-align: right;">STEEL TUBING CAGE 4 FT. x 4 FT. x 4 FT.</p> <p style="text-align: right;">HINGED STEEL CAP (PLATE GIVES ELEV. T.O.C. 327.06')</p> <p style="text-align: right;">GROUND LEVEL</p>			
NOTE: NOT TO SCALE			

## BOREHOLE COMPLETION SKETCH

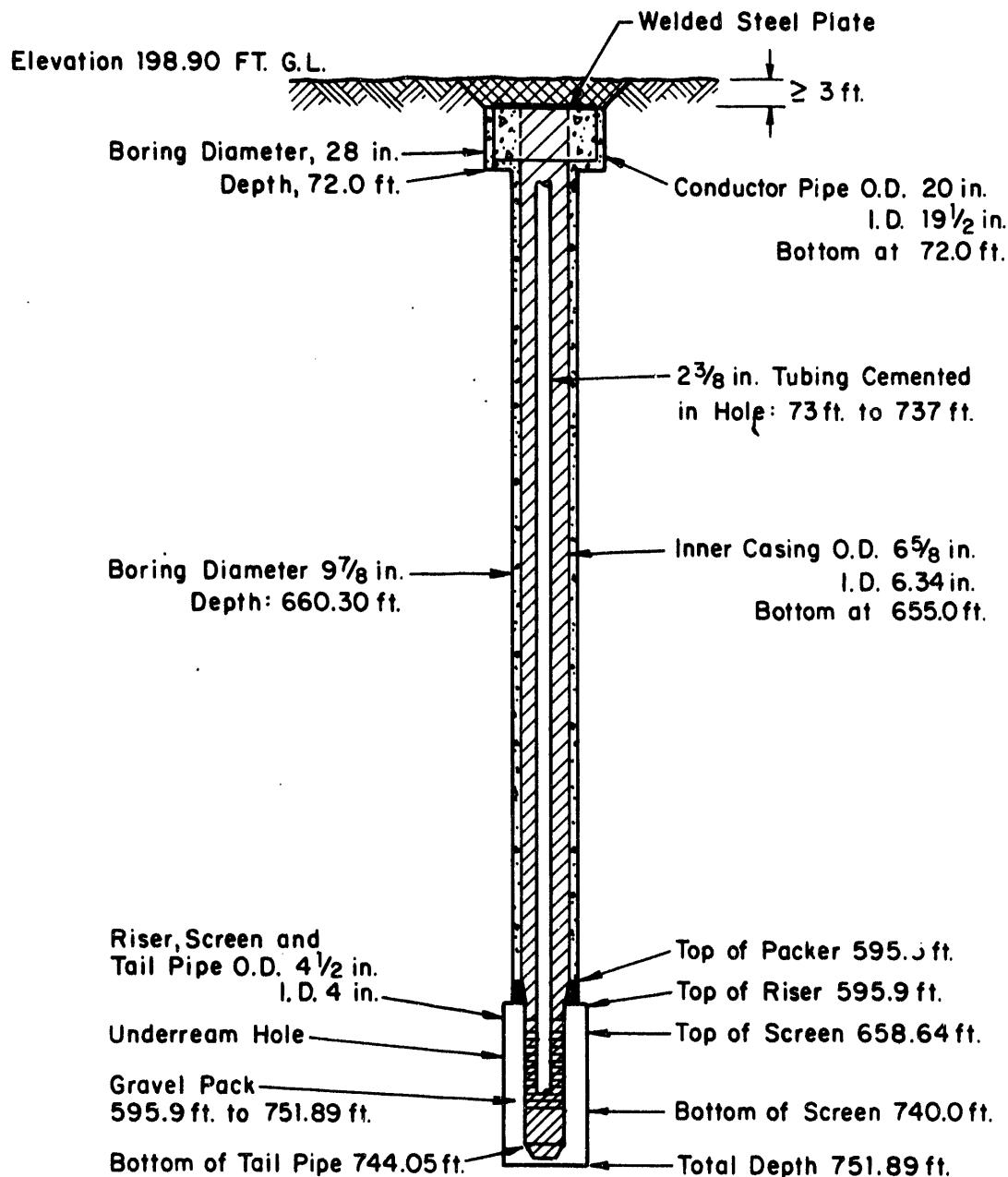
ATTACHMENT 4



## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 9/13/88
STATE LOUISIANA	WELL NAME & NUMBER LP & L LH-2B	TFSC FIELD REPRESENTATIVE J. Q. KANTOLA



## Explanation

Cement: Placed by others

Gravel Pack: Placed by others

Cement-Prontonite Plug: Placed for abandonment

Backfilled Soil

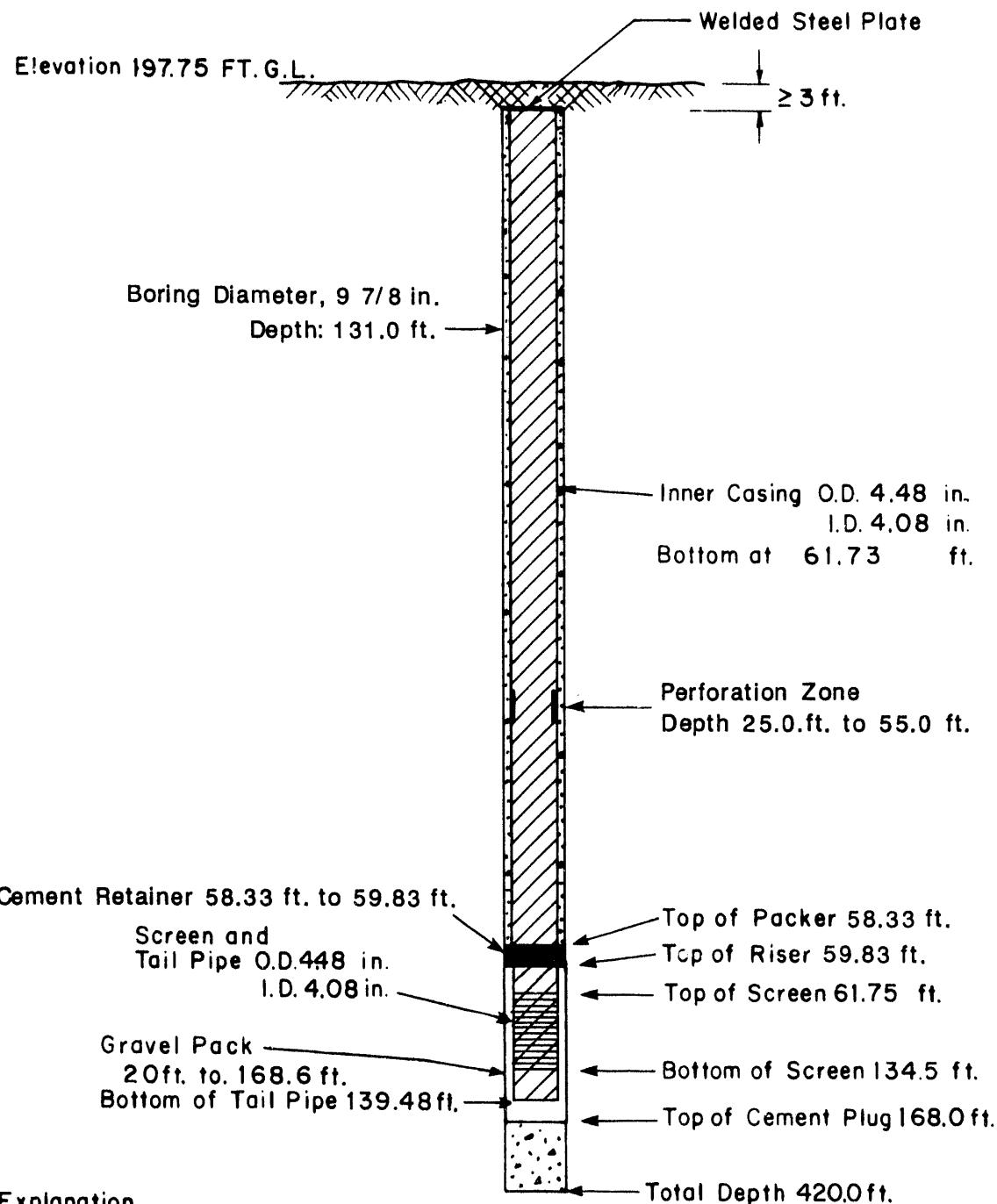
## Notes:

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 9 / 18 / 88
STATE LOUISIANA	WELL NAME & NUMBER LP & L LH-2WS	TFSC FIELD REPRESENTATIVE R.T. DECONT/ J.Q. KANTOLA/R. KRANES



## Explanation

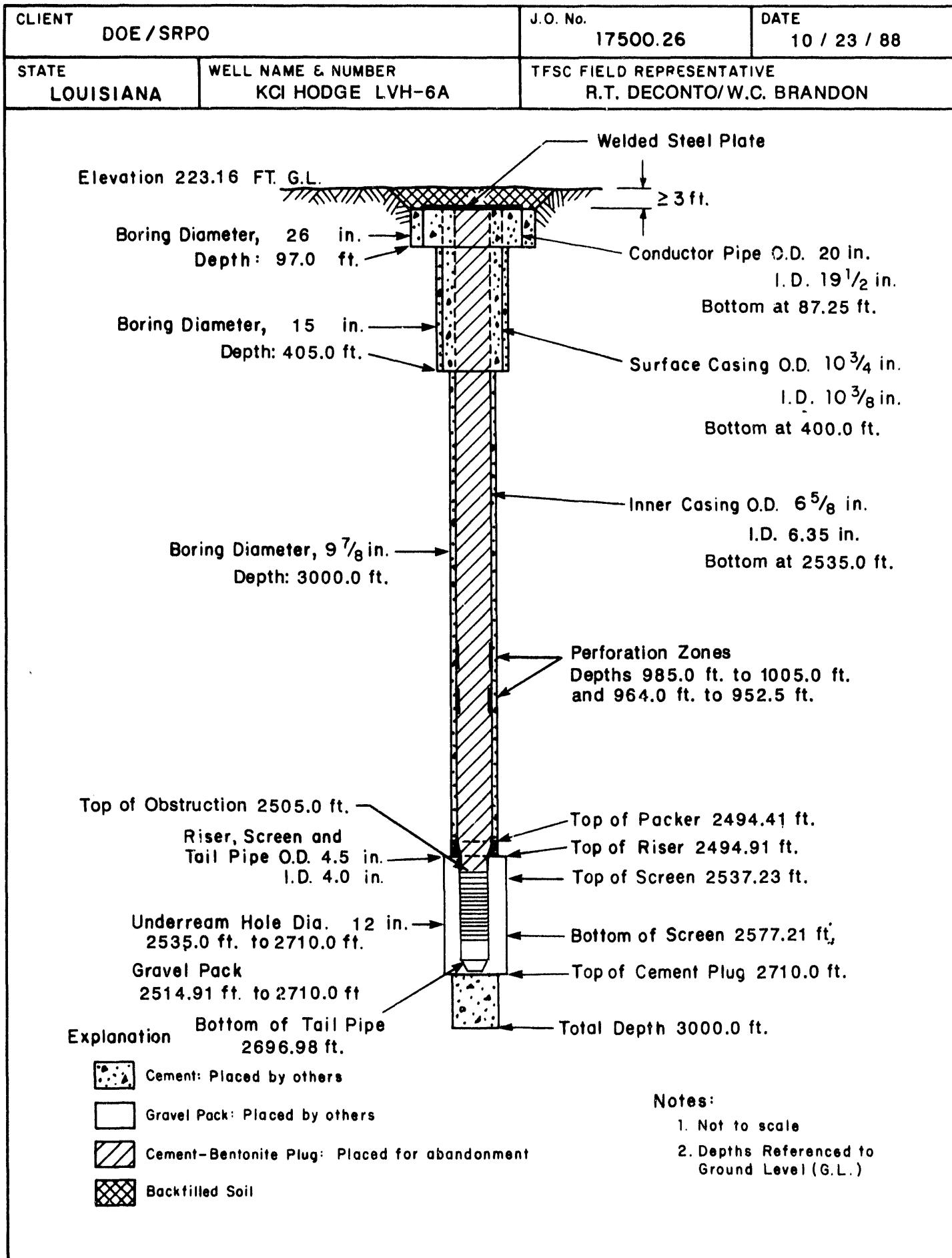
- Cement: Placed by others
- Gravel Pack: Placed by others
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil

## Notes:

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

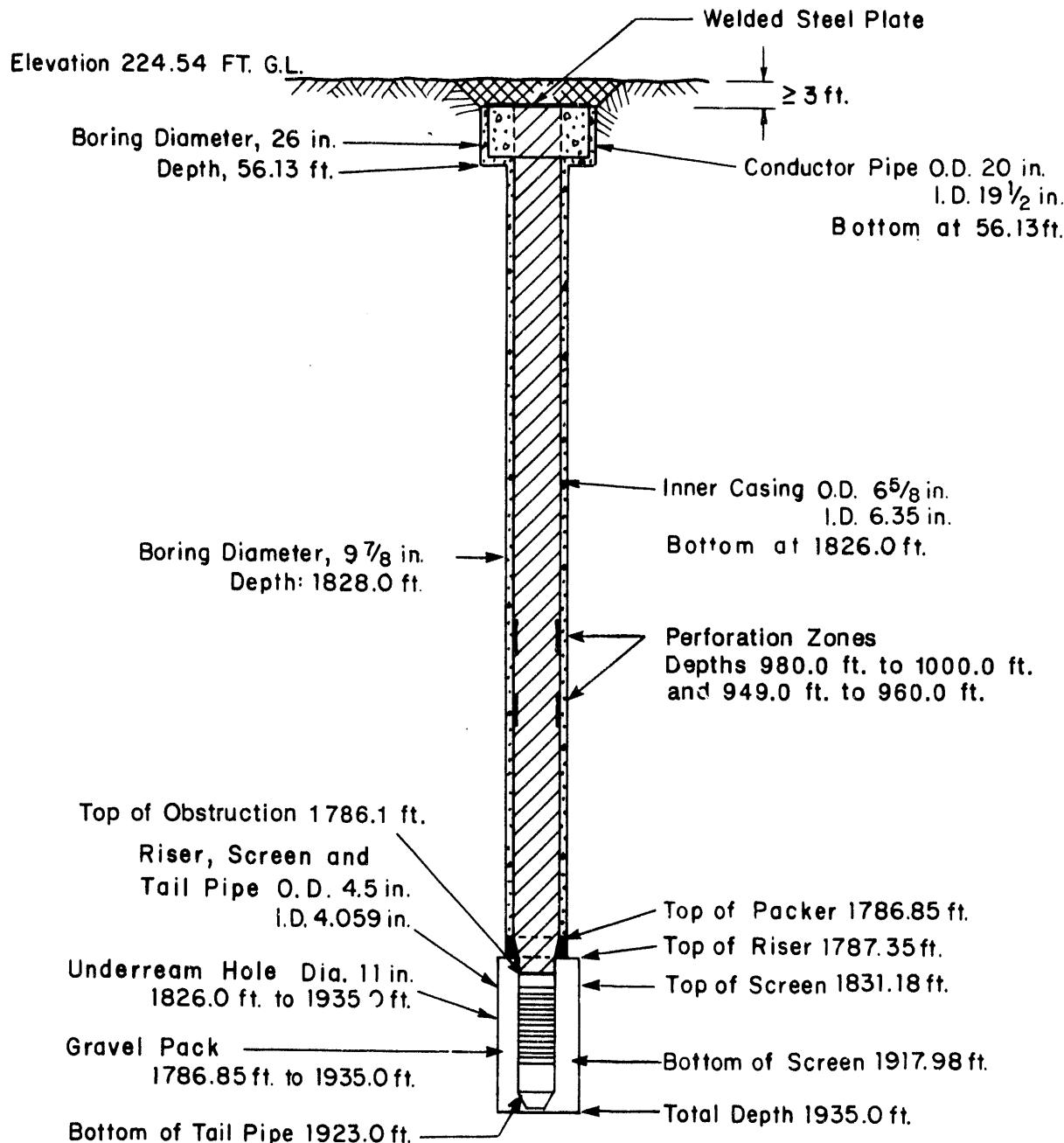
ATTACHMENT 4



## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 10/26/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH-6B	TFSC FIELD REPRESENTATIVE W.C. BRANDON



## Explanation

- Cement: Placed by others
- Gravel Pack: Placed by others
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil

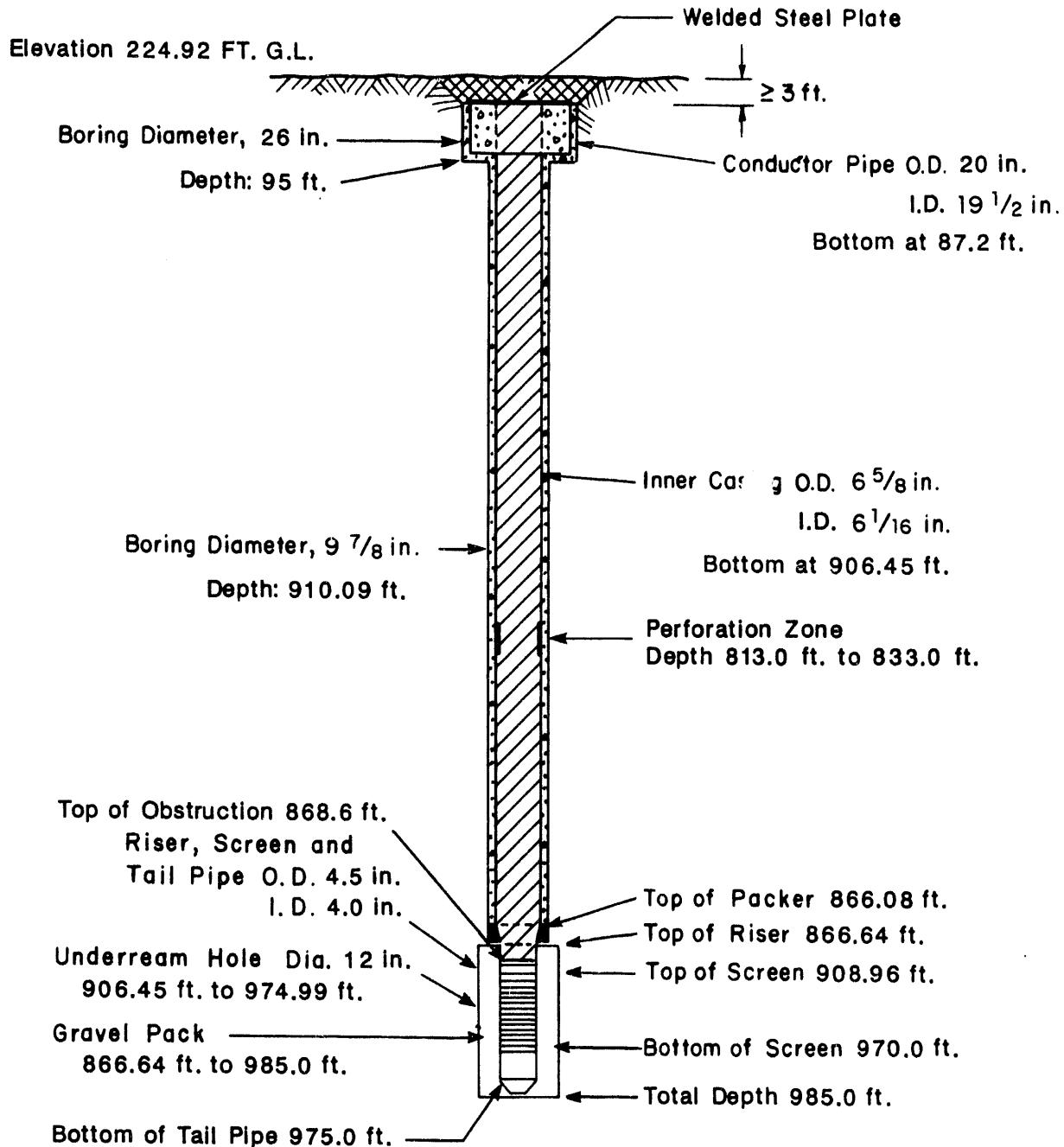
## Notes:

1. Not to scale
2. Depths Referenced to  
Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 10 / 21 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH-6C	TFSC FIELD REPRESENTATIVE W.C. BRANDON



## Explanation

- Cement: Placed by others
- Gravel Pack: Placed by others
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil

## Notes:

1. Not to scale
2. Depths Referenced to  
Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO		J.O. No. 17500.26	DATE 10 / 22 / 88
STATE LOUISIANA	WELL NAME & NUMBER LVH-6WS	TFSC FIELD REPRESENTATIVE W.C. BRANDON	

**Elevation 221.64 FT. G.L.**  
**Welded Steel Plate**  
 **$\geq 3$  ft.**  
**Inner Casing O.D. 4.5 in.  
I.D. 4.13 in.**  
**Bottom at 32.0 ft.**  
**Boring Diameter, 9  $\frac{7}{8}$  in.  
Depth: 143.69 ft.**  
**Top of Sand Plug 37.75 ft.**  
**Screen and Tail Pipe O.D. 4.5 in.  
I.D. 4.127 in.**  
**Top of Screen 32.0 ft.**  
**Bottom of Screen 93.51 ft.**  
**Gravel Pack  
18.5 ft. to 143.69 ft.**  
**Bottom of Tail Pipe 98.71 ft.**  
**Total Depth 143.69 ft.**

**Explanation**

	Cement: Placed by others
	Gravel Pack: Placed by others
	Cement-Bentonite Plug: Placed for abandonment
	Backfilled Soil
	Sand

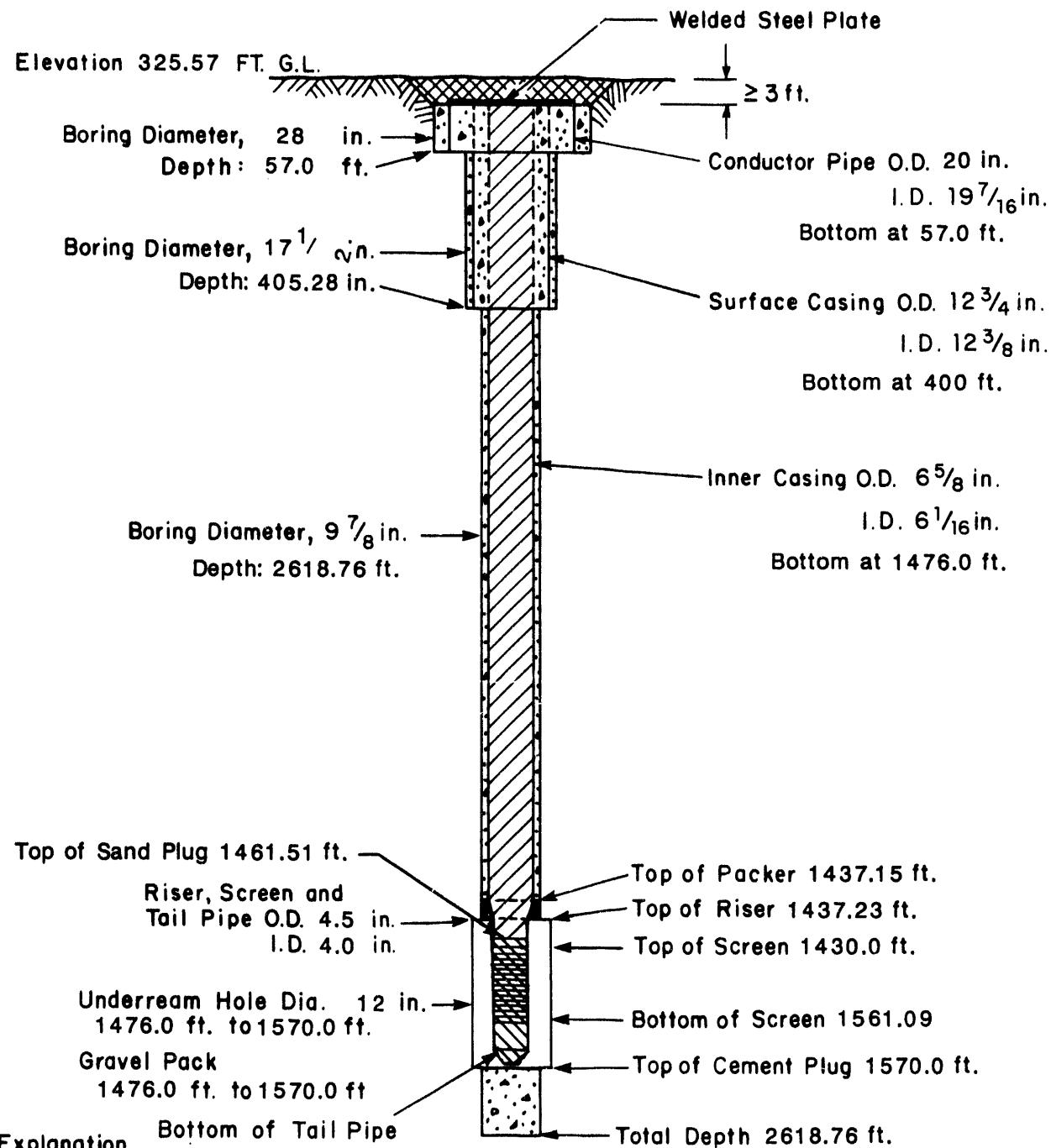
**Notes:**

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

AMENDMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 9 / 20 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-7A	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA



Cement: Placed by others



Gravel Pack: Placed by others



Cement-Bentonite Plug: Placed for abandonment



Backfilled Soil



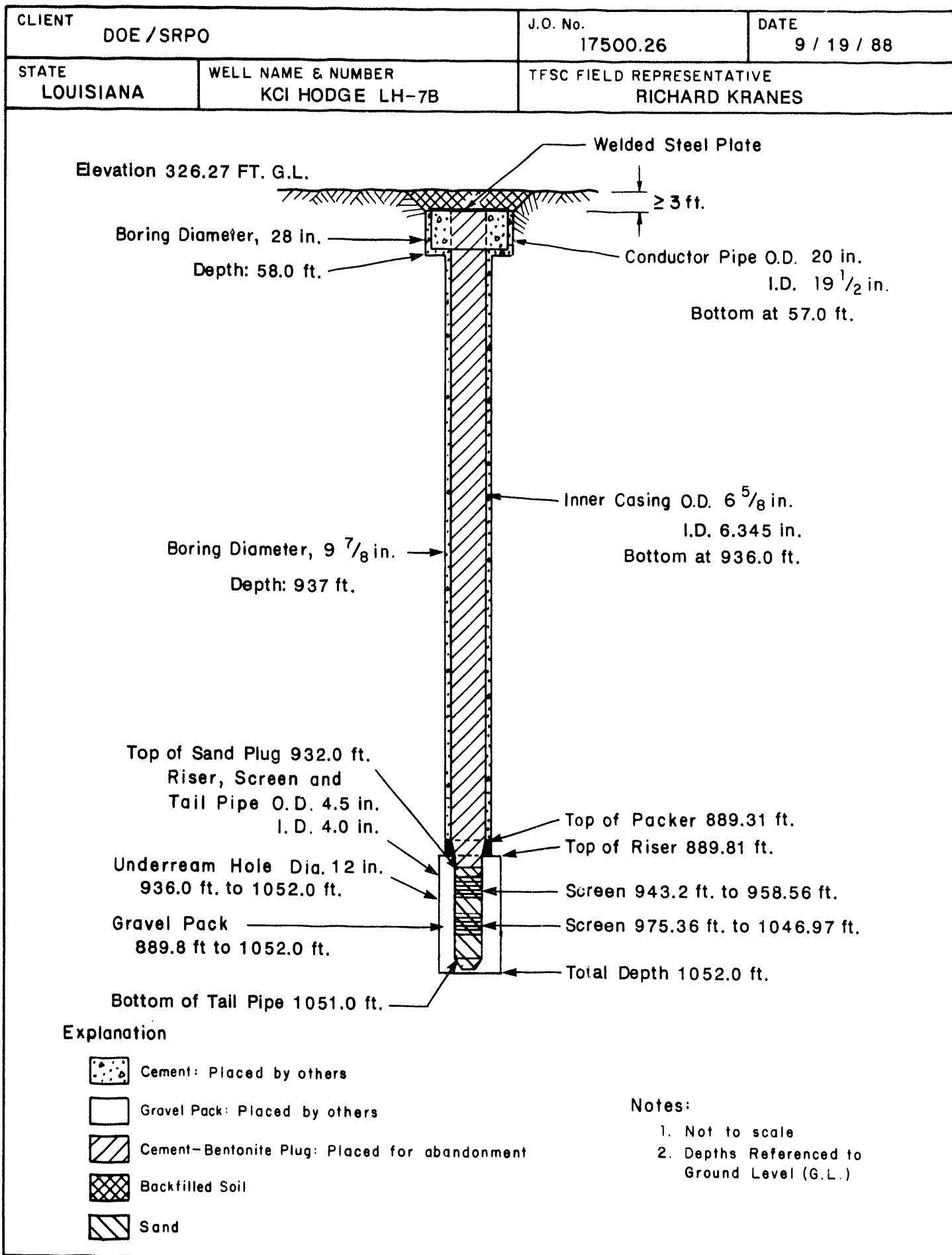
Sand

## Notes:

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

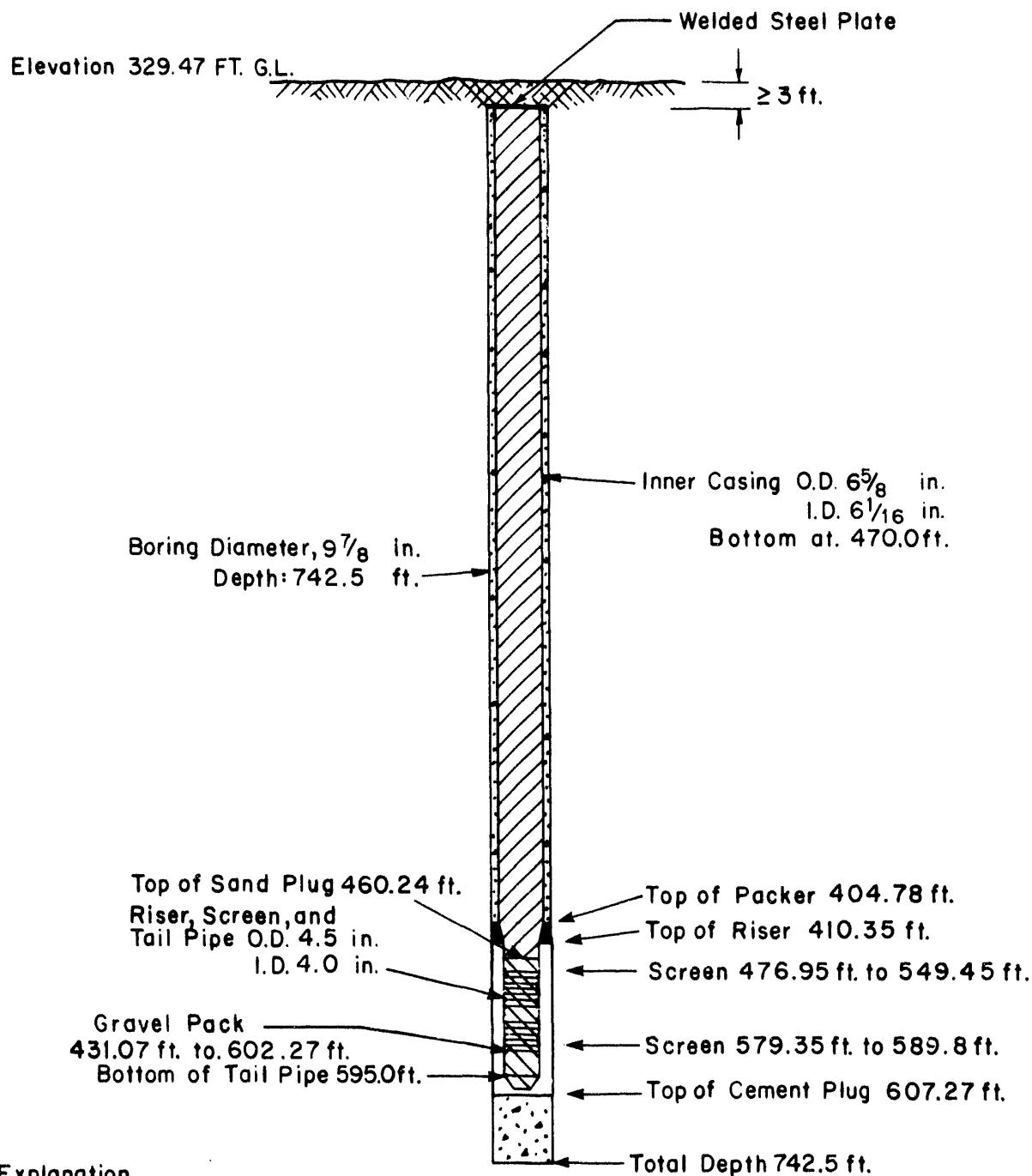
ATTACHMENT 4



## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 10 / 31 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-7WS	TFSC FIELD REPRESENTATIVE RICHARD KRANES



## Explanation

- Cement: Placed by others
- Gravel Pack: Placed by others
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil
- Sand

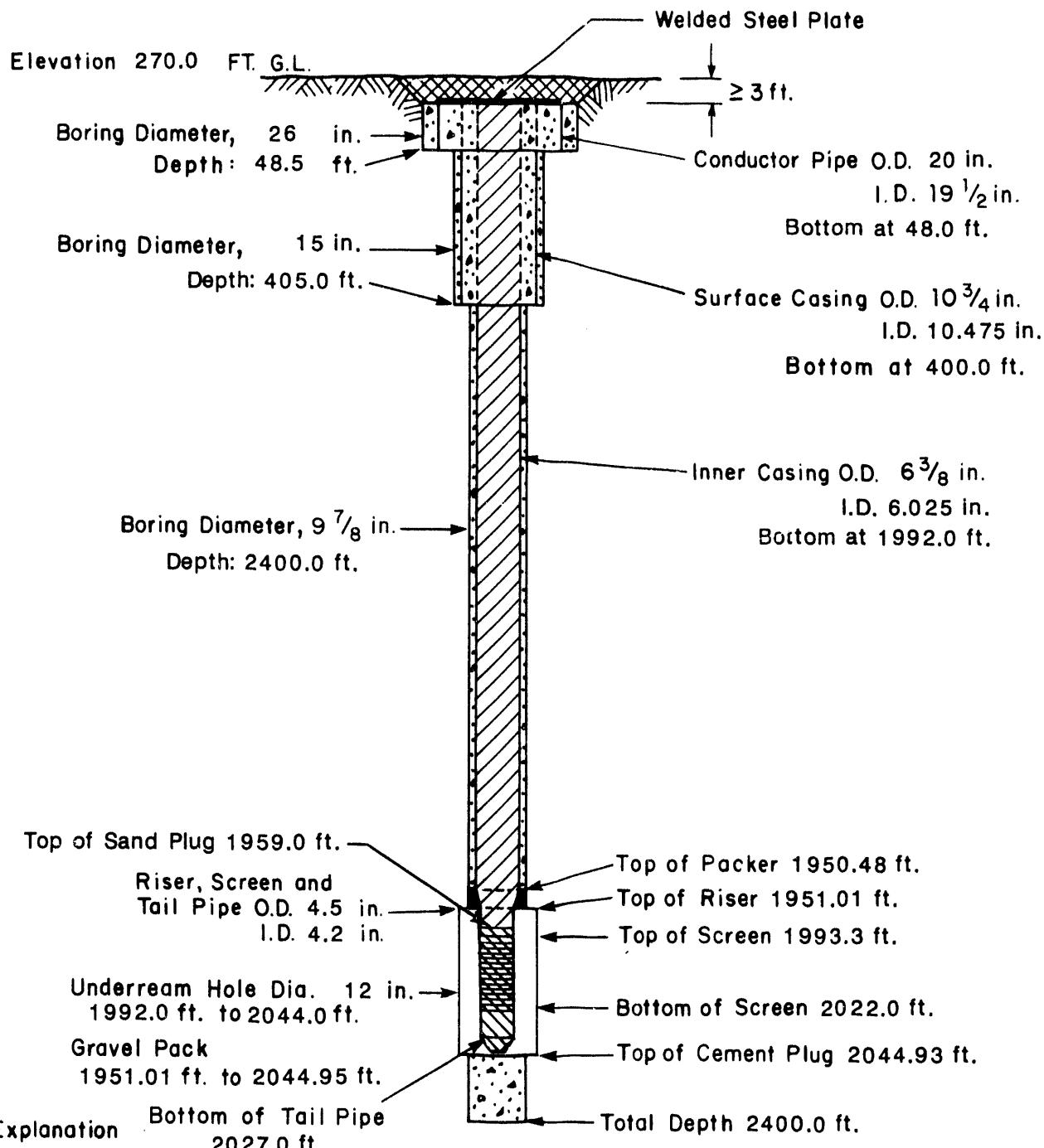
## Notes:

1. Not to scale
2. Depths Referenced to  
Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 10 / 28 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17A	TFSC FIELD REPRESENTATIVE L. TYRALA



Cement: Placed by others



Gravel Pack: Placed by others



Cement-Bentonite Plug: Placed for abandonment



Backfilled Soil



Sand

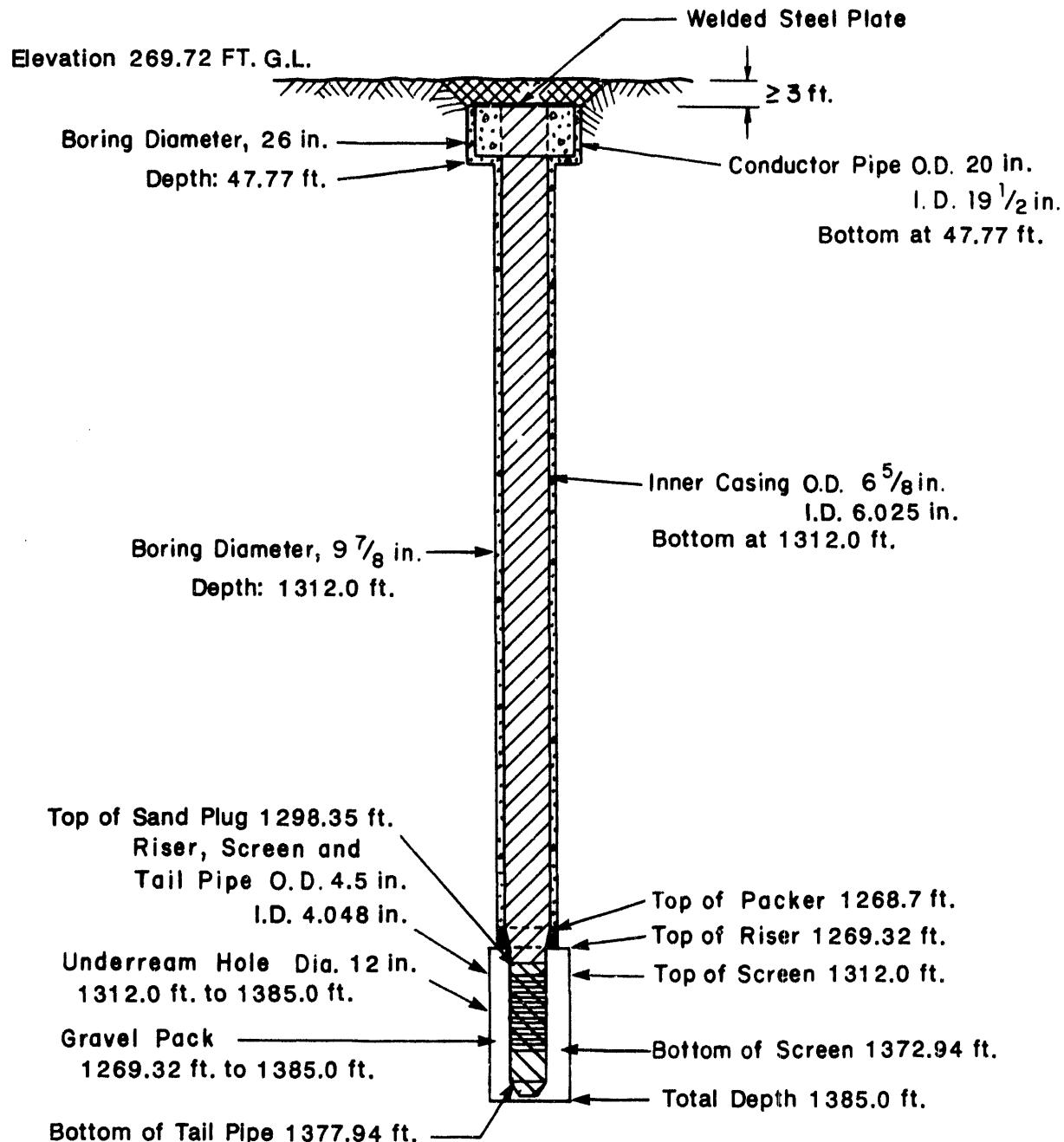
## Notes:

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

# BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 11 / 4 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17B	TFSC FIELD REPRESENTATIVE W.C. BRANDON



## Explanation

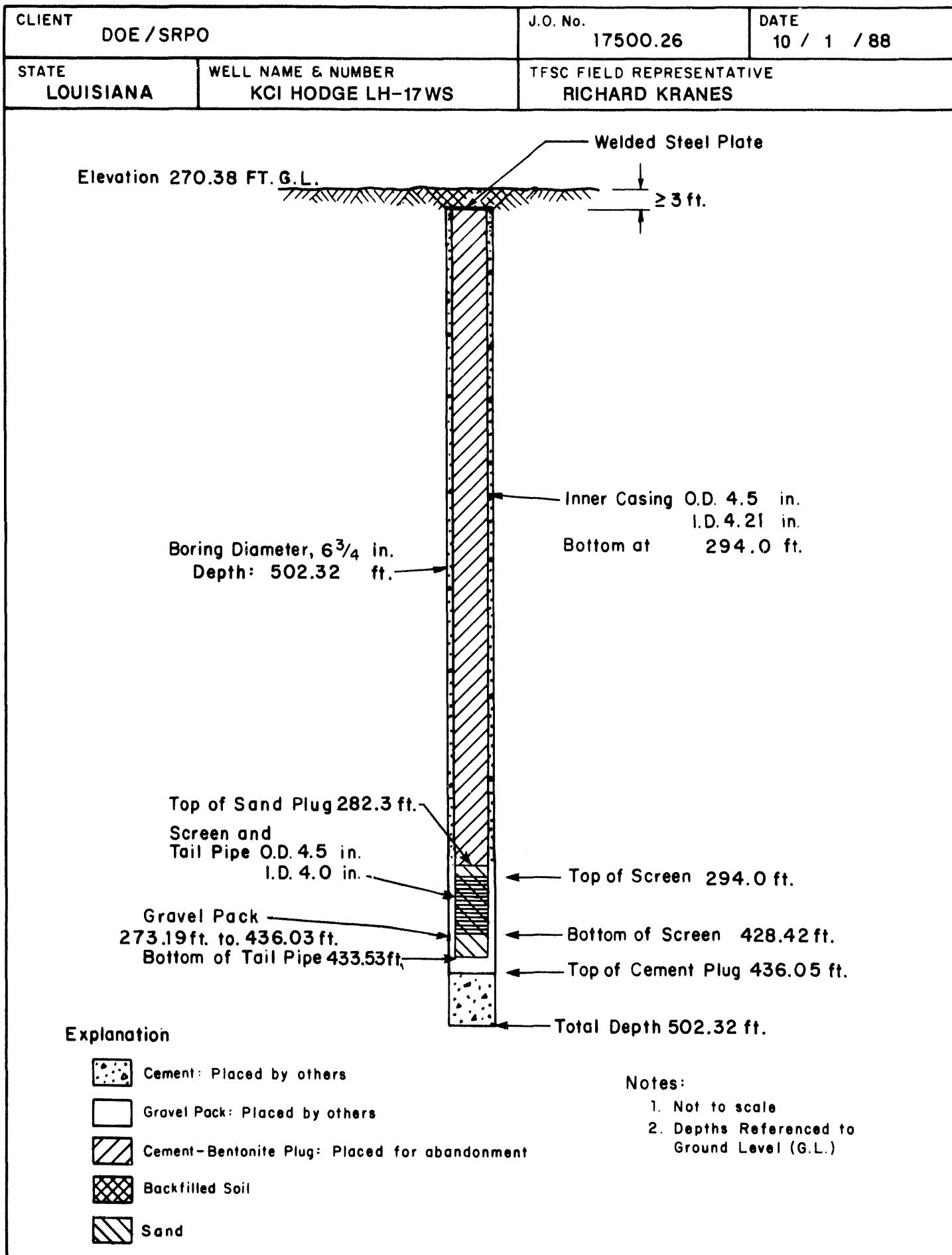
- Cement: Placed by others
- Gravel Pack: Placed by others
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil
- Sand

## Notes:

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

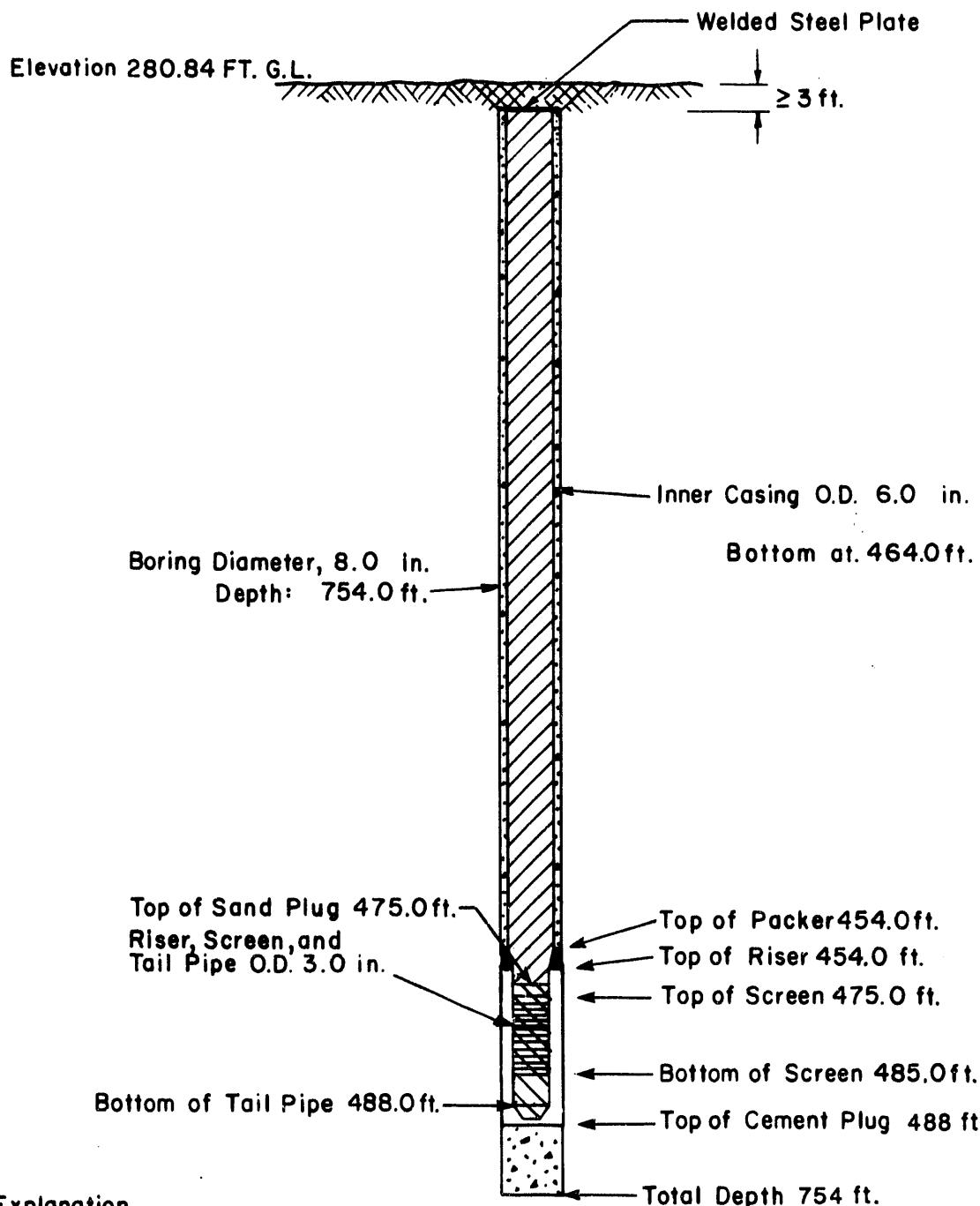
ATTACHMENT 4



## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 10 / 27 / 88
STATE LOUISIANA	WELL NAME & NUMBER N.C. RAYFORD V-4	TFSC FIELD REPRESENTATIVE RICHARD KRANES



## Explanation

- Cement: Placed by others
- Gravel Pack: Placed by others
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil
- Sand

## Notes:

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO		J.O. No. 17500.26	DATE 1 / 9 / 88
STATE LOUISIANA	WELL NAME & NUMBER E.H.S. CONNELL V-5	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	

**Explanation**

	Cement: Placed by others
	Gravel Pack: Placed by others
	Cement-Bentonite Plug: Placed for abandonment
	Backfilled Soil
	Sand

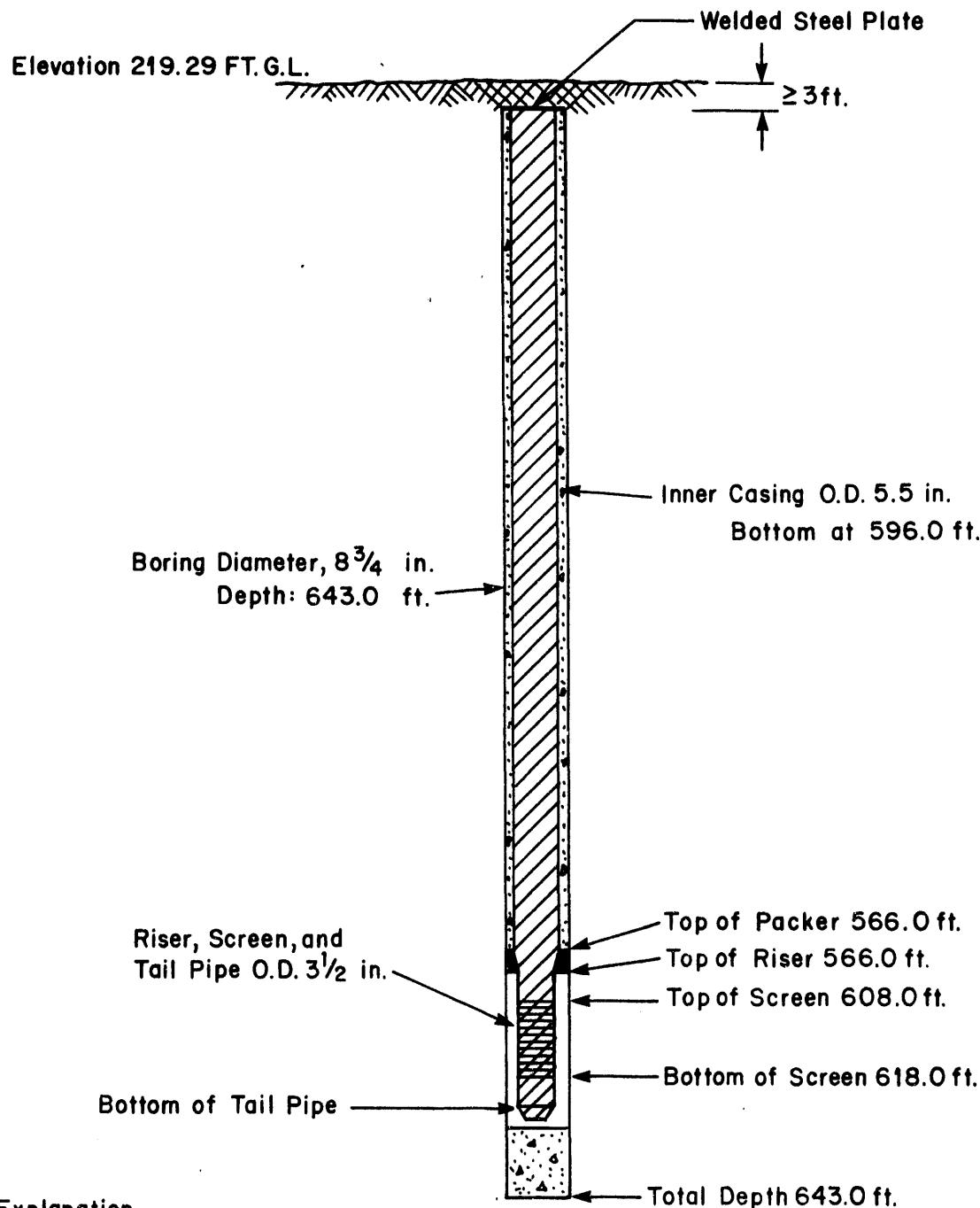
**Notes:**

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 10/25/88
STATE LOUISIANA	WELL NAME & NUMBER G.P. THEUS V-6	TFSC FIELD REPRESENTATIVE C.A. FOSTER



## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 9 / 9 / 88
STATE LOUISIANA	WELL NAME & NUMBER E.H.S. CONNELL V-7	TFSC FIELD REPRESENTATIVE R.T. DECONTO

**Elevation 225.99 FT. G.L.**
  
**Welded Steel Plate**
  
 **$\geq 3$  ft.**
  
**Inner Casing O.D. 5.5 in.  
I.D. 4.98 in.  
Bottom at 796.0 ft.**
  
**Boring Diameter, 8 3/4 in.  
Depth: 849.0 ft.**
  
**Obstruction at 742.0 ft.  
Riser, Screen, and  
Tail Pipe O.D. 3.0 in.**
  
**Top of Packer 654.0 ft.  
Top of Riser 654.0 ft.  
Top of Screen 796.0 ft.  
Bottom of Screen 806.0 ft.  
Total Depth 849.0 ft.**
  
**Explanation**
  

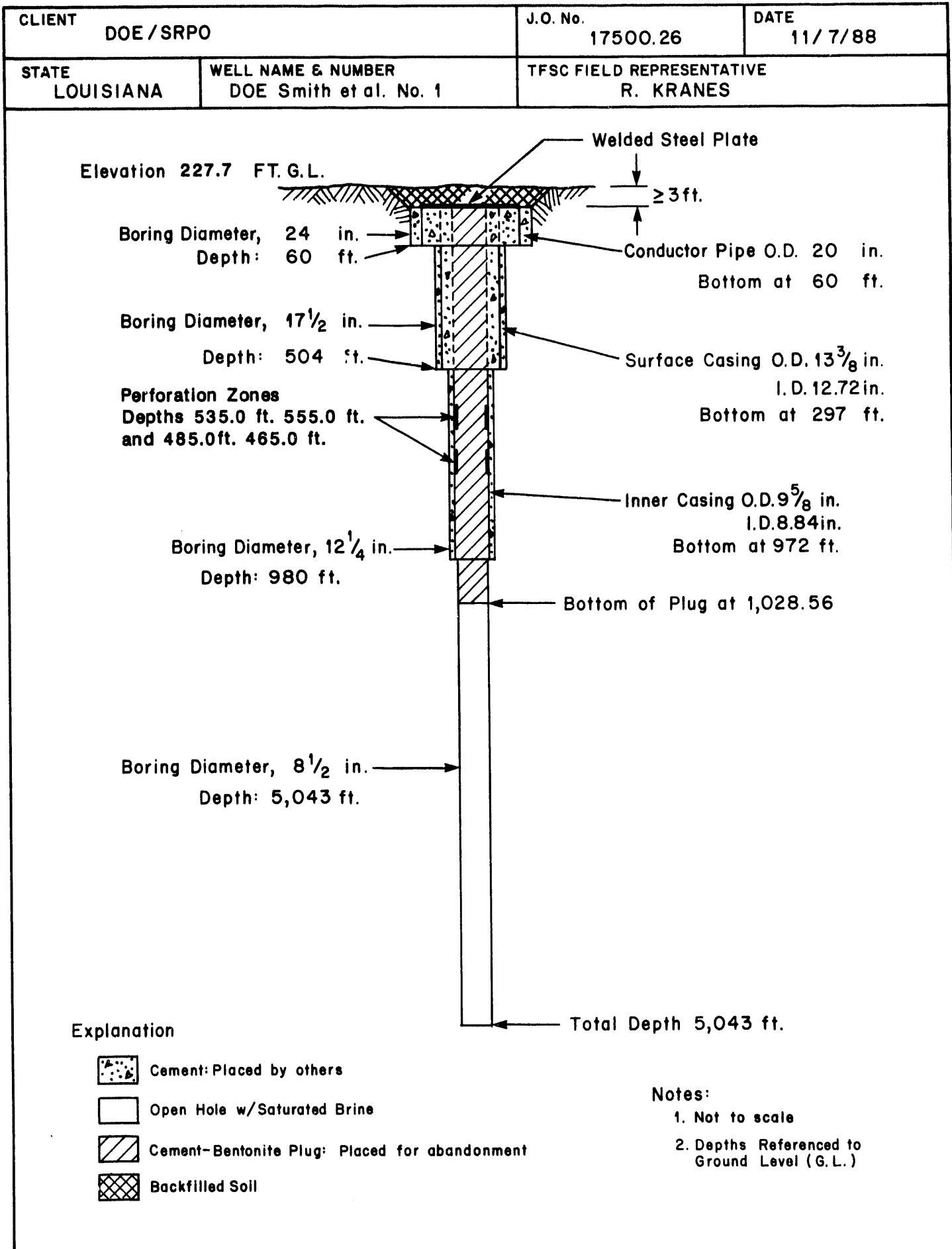
	Cement: Placed by others
	Gravel Pack: Placed by others
	Cement-Bentonite Plug: Placed for abandonment
	Backfilled Soil

  
**Notes:**

1. Not to scale
2. Depths Referenced to  
Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

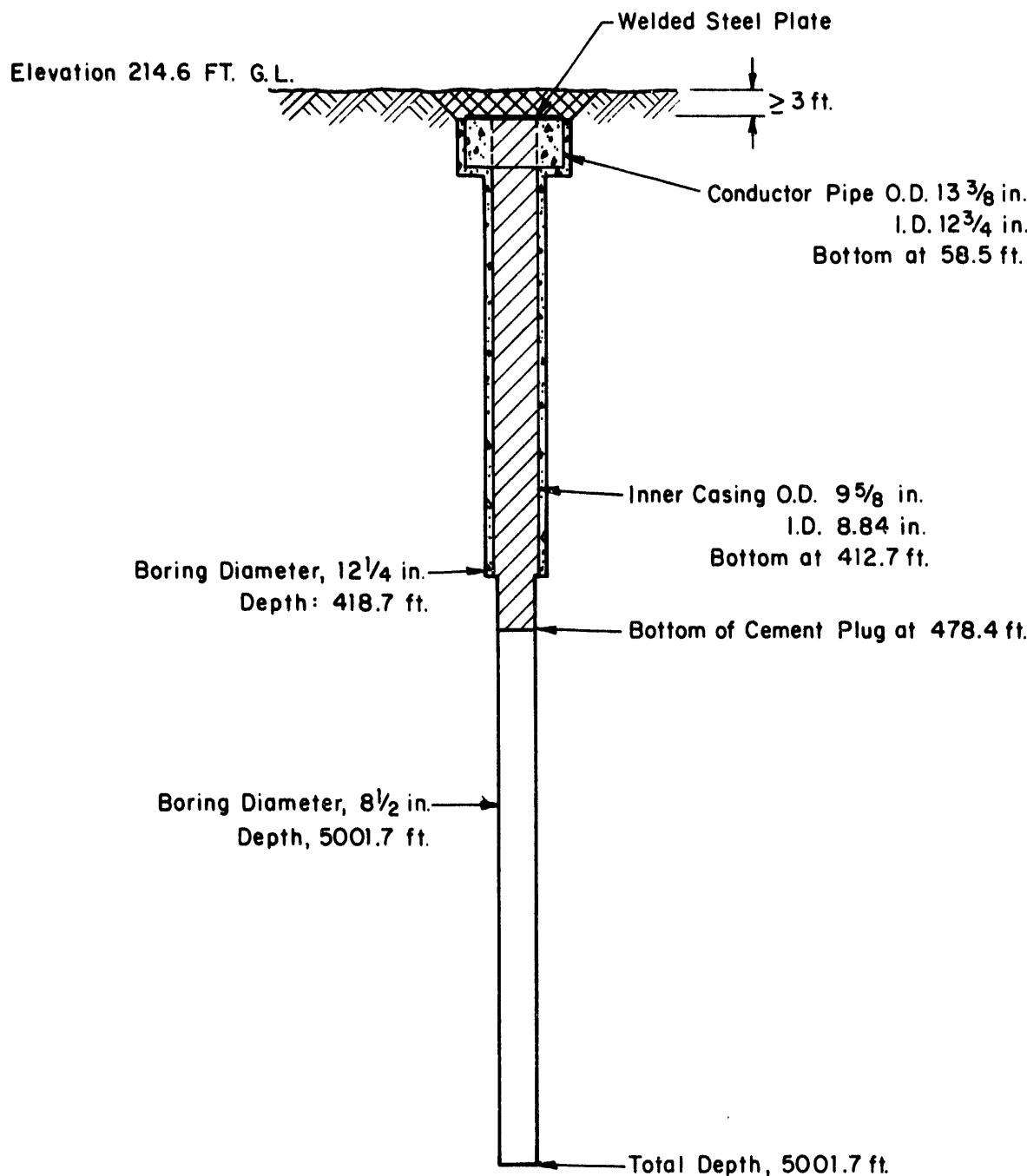
ATTACHMENT 4



## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE /SRPO	J.O. No. 17500.26	DATE 11 / 3 / 88
STATE LOUISIANA	WELL NAME & NUMBER DOE CONTINENTAL F.I. No.1	TFSC FIELD REPRESENTATIVE L. TYRALA



## Explanation

- Cement: Placed by others
- Open Hole w/ Saturated Brine
- Cement-Bentonite Plug: Placed for abandonment
- Backfilled Soil

## Notes:

1. Not to scale
2. Depths Referenced to  
Ground Level (G.L.)

## BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO		J.O. No. 17500.26	DATE 10/31/88
STATE LOUISIANA	WELL NAME & NUMBER LSU-RIA	TFSC FIELD REPRESENTATIVE RICHARD KRANES	

**Elevation 229.64 FT. G.L.**

**Welded Steel Plate**  
**Conductor Pipe O.D. 7.0 in.**  
**Bottom at 59.6 ft.**

**Inner Casing O.D. 4.0 in.**  
**Bottom at 462.0 ft.**

**Top of Sand Plug 454.04 ft.**

**Riser, Screen and Tail Pipe O.D. 3.0 in.**

**Top of Packer 451.0 ft.**  
**Top of Riser 451.0 ft.**  
**Top of Screen 477.6 ft.**  
**Bottom of Screen 487.9 ft.**

**Bottom of Tail Pipe 489.0 ft.**

**Top of Cement Plug 558 ft.**  
**Top of Mud Plug 600 ft.**

**Total Depth 1,112 ft.**

**Explanation**

	Cement: Placed by others
	Gravel Pack: Placed by others
	Cement-Bentonite Plug: Placed for abandonment
	Backfilled Soil
	Sand

**Notes:**

1. Not to scale
2. Depths Referenced to Ground Level (G.L.)

## PLUGGING REPORT

(PAGE 1 OF 2)

DATUM ELEVATION  
199.57

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	09/23/88
STATE	LOUISIANA	WELL NAME & NUMBER	LP&L LH-2A	TFSC FIELD REPRESENTATIVE JOEL Q KANTOLA	
NOTIFICATION OF REGULATORY AGENCY			DATE <u>09/21/88</u>		
AGENCY <u>OFFICE OF CONSERVATION</u>			REPRESENTATIVE <u>PETER COLVIN</u>		
CEMENTING COMPANY <u>SOUTHWESTERN LABS</u>			SERVICE ENGINEER / REP. <u>DAVE POWELL</u>		
DISPOSAL OF FLUIDS					
BY <u>POOL CO.</u>			DATE <u>09/22/88</u>		
QUANTITY <u>35 BBLS</u>			FLUID TYPE <u>BRINE</u>		
REMARKS					
<u>DISPOSAL ALSO TOOK PLACE ON 9/23/88</u>					
ZONE <u>1</u>					
TYPE PLUG <u>SAND</u>					
INTERVAL <u>1795.88' TO 1652.13'</u>			DIAMETER OF CASING/HOLE <u>4.1</u> IN		
BOTTOM OF TUBING OR PIPE <u>1640.12</u> FT			CEMENT/MUD TYPE <u>NA</u>		
NO. OF SACKS <u>14</u>		YIELD <u>*</u>	CU. FT/SK.	VOL. PUMPED <u>**</u> CU. FT	
SLURRY WEIGHT <u>NA</u>		LBS/GAL	TOP OF PLUG <u>1652.13</u> FT		
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>			
REMARKS					
<u>* 10.26 LF/SK: ** AMT. PUMPED 143.75 LN FT.</u>					
ZONE <u>2</u>					
TYPE PLUG <u>STAGED CEMENT</u>					
INTERVAL <u>1652.13 TO 215.57 FT'</u>			DIAMETER OF CASING/HOLE <u>4.1 AND 6.13</u> IN		
BOTTOM OF TUBING OR PIPE <u>1639.95</u> FT			CEMENT/MUD TYPE <u>TYPE A WITH 8% BENTONITE</u>		
NO. OF SACKS <u>180</u>		YIELD <u>1.86</u>	CU. FT/SK.	VOL. PUMPED <u>334.8</u> CU. FT	
SLURRY WEIGHT <u>13.1 TO 13.3</u>		LBS/GAL	TOP OF PLUG <u>215.57</u> FT		
BRIDGE PLUG TYPE <u>SAND PLUG</u>		DEPTH <u>1795.88 TO 1652.13</u>			
REMARKS					
<u>O.C. P.COLVIN AGREED STAGE CEMENTING WAS SUFFICIENT IF TUBING BOTTOM WAS KEPT BENEATH CEMENT TOP. THREE STAGES PUMPED. TUBING DEPTH SET AT 1639.52 FT., 861.68 FT., AND 683.08 FT..</u>					

## PLUGGING REPORT

(PAGE 2 OF 2)

DATUM ELEVATION  
199.57

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>09/23/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>LP&amp;L LH-2A</b>	TFSC FIELD REPRESENTATIVE <b>JOEL Q KANTOLA</b>	

ZONE 3 TYPE PLUG CONTINIOUS CEMENT  
 INTERVAL 215.57 TO G.L. DIAMETER OF CASING/HOLE 6.13 IN  
 BOTTOM OF TUBING OR PIPE 213.69 FT CEMENT/MUD TYPE TYPE A WITH 8% BENTONITE  
 NO. OF SACKS 25 YIELD 1.86 CU. FT/SK. VOL. PUMPED 44.64 CU. FT  
 SLURRY WEIGHT 13.1 LBS/GAL TOP OF PLUG G.L. FT  
 BRIDGE PLUG TYPE NA DEPTH NA

## REMARKS

TOTAL NO. OF SACKS NEEDED CALCULATED TO BE 178 SKS BUT 205 SKS WERE REQUIRED.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ZONE \_\_\_\_\_ TYPE PLUG \_\_\_\_\_  
 INTERVAL \_\_\_\_\_ DIAMETER OF CASING/HOLE \_\_\_\_\_ IN  
 BOTTOM OF TUBING OR PIPE \_\_\_\_\_ FT CEMENT/MUD TYPE \_\_\_\_\_  
 NO. OF SACKS \_\_\_\_\_ YIELD \_\_\_\_\_ CU. FT/SK. VOL. PUMPED \_\_\_\_\_ CU. FT  
 SLURRY WEIGHT \_\_\_\_\_ LBS/GAL TOP OF PLUG \_\_\_\_\_ FT  
 BRIDGE PLUG TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_

## REMARKS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ZONE \_\_\_\_\_ TYPE PLUG \_\_\_\_\_  
 INTERVAL \_\_\_\_\_ DIAMETER OF CASING/HOLE \_\_\_\_\_ IN  
 BOTTOM OF TUBING OR PIPE \_\_\_\_\_ FT CEMENT/MUD TYPE \_\_\_\_\_  
 NO. OF SACKS \_\_\_\_\_ YIELD \_\_\_\_\_ CU. FT/SK. VOL. PUMPED \_\_\_\_\_ CU. FT  
 SLURRY WEIGHT \_\_\_\_\_ LBS/GAL TOP OF PLUG \_\_\_\_\_ FT  
 BRIDGE PLUG TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_

## REMARKS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## PLUGGING REPORT

			DATUM ELEVATION 198.90
CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 09/13/88	
STATE LOUISIANA	WELL NAME & NUMBER LP&L LH-2B	TFSC FIELD REPRESENTATIVE JOEL Q KANTOLA	
NOTIFICATION OF REGULATORY AGENCY AGENCY <u>OFFICE OF CONSERVATION</u>		DATE <u>09/11/88</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		REPRESENTATIVE <u>PETER COLVIN</u>	
DISPOSAL OF FLUIDS BY <u>POOL CO.</u>		SERVICE ENGINEER / REP. <u>D. H. DUNCAN</u>	
QUANTITY <u>15 BBL</u>		DATE <u>09/11/88</u>	
		FLUID TYPE <u>SALINE WATER</u>	
REMARKS			
ZONE <u>1</u> TYPE PLUG <u>CONTINUOUS CEMENT</u>			
INTERVAL <u>745.3 TO 72.08 FT</u>		DIAMETER OF CASING/HOLE <u>6.34 I.D.</u> IN	
BOTTOM OF TUBING OR PIPE <u>742.18</u> FT		CEMENT/MUD TYPE <u>CLASS A. W/ 8% BENTONITE</u>	
NO. OF SACKS <u>78</u>		YIELD <u>1.86</u> CU. FT/SK.	
SLURRY WEIGHT <u>13.3</u> LBS/GAL		VOL. PUMPED <u>145</u> CU. FT	
BRIDGE PLUG TYPE <u>NA</u>		TOP OF PLUG <u>72.08</u> FT	
		DEPTH <u>NA</u>	
REMARKS			
<u>724.05' OF TUBING STUCK IN HOLE AFTER 78 SACKS OF CEMENT PUMPED. DEPTH OF CEMENT IN STUCK TUBING 737.0'.</u>			
ZONE <u>2</u> TYPE PLUG <u>CONTINUOUS CEMENT</u>			
INTERVAL <u>72.08 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>6.34 I.D.</u> IN	
BOTTOM OF TUBING OR PIPE <u>72.08</u> FT		CEMENT/MUD TYPE <u>CLASS A. WITH 8% BENTONITE</u>	
NO. OF SACKS <u>19</u>		YIELD <u>1.86</u> CU. FT/SK.	
SLURRY WEIGHT <u>12.6 / 13.1</u> LBS/GAL		VOL. PUMPED <u>35.34</u> CU. FT	
BRIDGE PLUG TYPE <u>NA</u>		TOP OF PLUG <u>3.0</u> FT	
		DEPTH <u>NA</u>	
REMARKS			
<u>TUBING CEMENTED FROM 737' TO 73' WITH SLURRY WT. 12.6#/GAL. THEN CASING/TUBING ANNULUS CEMENTED FROM 72.08 TO G.L. (SLURRY WT. 13.1#/GAL).</u>			

## PLUGGING REPORT

		DATUM ELEVATION 199.57
CLIENT	DOE / SRPO	J.O. No. 17500.26
STATE	LOUISIANA	DATE 09/18/88
		TFSC FIELD REPRESENTATIVE RICHARD KRANES
NOTIFICATION OF REGULATORY AGENCY		DATE <u>09/17/88</u>
AGENCY <u>OFFICE OF CONSERVATION</u>		REPRESENTATIVE <u>PETER COLVIN</u>
CEMENTING COMPANY <u>SOUTHWESTERN LABS.</u>		SERVICE ENGINEER / REP. <u>R. BOYD</u>
DISPOSAL OF FLUIDS		
BY <u>NA</u>		DATE <u>/ /</u>
QUANTITY <u>NA</u>		FLUID TYPE <u>FRESH</u>
REMARKS		
<u>FRESH WATER IN WELL.</u>		
ZONE <u>1</u> TYPE PLUG <u>CONTINUOUS CEMENT</u>		
INTERVAL <u>134.5 TO 59.33 FT</u>		DIAMETER OF CASING/HOLE <u>4.08</u> IN
BOTTOM OF TUBING OR PIPE <u>NA</u> FT		CEMENT/MUD TYPE <u>API CLASS A. NEAT</u>
NO. OF SACKS <u>6</u>	YIELD <u>1.18</u> CU. FT/SK.	VOL. PUMPED <u>7.08</u> CU. FT
SLURRY WEIGHT <u>15.2</u> LBS/GAL	TOP OF PLUG <u>**</u> FT	
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>	
REMARKS		
<u>** CEMENT WAS PUMPED INTO SCREENED AREA THROUGH RETAINER SET AT 58.33 FT (TOP).</u>		
ZONE <u>2</u> TYPE PLUG <u>CONTINUOUS CEMENT</u>		
INTERVAL <u>59.33 TO SURFACE</u>		DIAMETER OF CASING/HOLE <u>4.08 I.D.</u> IN
BOTTOM OF TUBING OR PIPE <u>58.2</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% OF BENTONITE</u>
NO. OF SACKS <u>3</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>5.4</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>G.L.</u> FT	
BRIDGE PLUG TYPE <u>WESTERN WSV RETAINER</u>	DEPTH <u>59.83 TO 58.33 FT</u>	
REMARKS		



PLUGGING REPORT  
(PAGE 2 OF 2)

			DATUM ELEVATION 223.76
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 10/23/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH - 6A	TFSC FIELD REPRESENTATIVE RT DECONT/WC BRANDON	
ZONE <u>3</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>138.3 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>6 5/8 IN</u>	
BOTTOM OF TUBING OR PIPE <u>138.3</u> FT		CEMENT/MUD TYPE <u>CLASS A, WITH 8% BENTONITE</u>	
NO. OF SACKS <u>17</u>		YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>31.62</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL		TOP OF PLUG <u>3</u> FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			
ZONE <u>*</u>		TYPE PLUG <u>6 5/8-10 3/4 CASING ANNULUS</u>	
INTERVAL <u>42 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>NA IN</u>	
BOTTOM OF TUBING OR PIPE <u>40.25</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>7</u>		YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>13.02</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL		TOP OF PLUG <u>3</u> FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			
<u>ANNULUS FROM 314 FT TO 42 FT WAS FILLED WITH 87 SACKS OF SAND.</u>			
ZONE <u>*</u>		TYPE PLUG <u>10.75-26 FT CASING ANNULUS</u>	
INTERVAL <u>10 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>NA IN</u>	
BOTTOM OF TUBING OR PIPE <u>9.5</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>8</u>		YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>14.88</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL		TOP OF PLUG <u>3</u> FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			

## PLUGGING REPORT

			DATUM ELEVATION 224.54
CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>10/26/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LVH-6B</b>	TFSC FIELD REPRESENTATIVE <b>W. BRANDON</b>	
NOTIFICATION OF REGULATORY AGENCY AGENCY <u>OFFICE OF CONSERVATION</u>		DATE <u>10/25/88</u> REPRESENTATIVE <u>A. L. THORNTON</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		SERVICE ENGINEER / REP. <u>DAVID DUNCAN</u>	
DISPOSAL OF FLUIDS			
BY <u>POOL CO.</u>		DATE <u>10/26/88</u>	
QUANTITY <u>60 BBL</u>		FLUID TYPE <u>BRINE</u>	
REMARKS			
<hr/> <hr/>			
ZONE <u>1</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>1786.1 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>6 5/8</u> IN	
BOTTOM OF TUBING OR PIPE <u>1786.1</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>244</u>		YIELD <u>1.86</u> CU. FT/SK.	
SLURRY WEIGHT <u>13.2</u> LBS/GAL		VOL. PUMPED <u>453.84</u> CU. FT	
BRIDGE PLUG TYPE <u>NA</u>		TOP OF PLUG _____ FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			
<u>OBSTRUCTION AT TOP OF RISER PIPE. 1791.4 FT (SEE TEXT). DOTD GRANTED VARIANCE TO PLUG ABOVE OBSTRUCTION (10/24/88). WELL TOOK CEMENT. MOST LIKELY WENT BEYOND OBSTRUCTION INTO SCREEN/RISER PIPE.</u>			
<hr/> <hr/>			
ZONE _____		TYPE PLUG _____	
INTERVAL _____		DIAMETER OF CASING/HOLE _____ IN	
BOTTOM OF TUBING OR PIPE _____ FT		CEMENT/MUD TYPE _____	
NO. OF SACKS _____		YIELD _____ CU. FT/SK.	
SLURRY WEIGHT _____ LBS/GAL		VOL. PUMPED _____ CU. FT	
BRIDGE PLUG TYPE _____		TOP OF PLUG _____ FT	
BRIDGE PLUG TYPE _____		DEPTH _____	
REMARKS			
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## PLUGGING REPORT

CLIENT <b>DOE / SRPO</b>			J.O. No. <b>17500.26</b>	DATUM ELEVATION <b>224.92</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LVH - 6C</b>	TFSC FIELD REPRESENTATIVE <b>W. BRANDON</b>		
NOTIFICATION OF REGULATORY AGENCY AGENCY <u>OFFICE OF CONSERVATION</u> CEMENTING COMPANY <u>WESTERN CO.</u>		DATE <u>10/20/88</u> REPRESENTATIVE <u>A. L. THORNTON</u> SERVICE ENGINEER / REP. <u>M. SMITH</u>		
DISPOSAL OF FLUIDS BY <u>POOL CO.</u> DATE <u>10/22/88</u> QUANTITY <u>31 BBLS</u> FLUID TYPE <u>BRINE</u>				
REMARKS <u>COLLECTION AND DISPOSAL OF BRINE STARTED ON 10/21 AND WENT UNTIL 10/22/88.</u>				
ZONE <u>1</u> TYPE PLUG <u>CONTINUOUS CEMENT</u> INTERVAL <u>868.6' TO SURFACE</u> DIAMETER OF CASING/HOLE <u>6 5/8</u> IN BOTTOM OF TUBING OR PIPE <u>868.6</u> FT CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u> NO. OF SACKS <u>95</u> YIELD <u>1.86</u> CU. FT/SK. VOL. PUMPED <u>176.7</u> CU. FT SLURRY WEIGHT <u>13.2</u> LBS/GAL TOP OF PLUG <u>113</u> FT BRIDGE PLUG TYPE <u>NA</u> DEPTH <u>NA</u> REMARKS <u>OBSTRUCTION AT TOP OF RISER PIPE. 686.6 FT (SEE TEXT). DOTD GRANTED VARIENCE TO PLUG ABOVE OBSTRUCTION. WELL TOOK CEMENT.</u>				
ZONE <u>2</u> TYPE PLUG <u>CONTINUOUS CEMENT</u> INTERVAL <u>113 TO SURFACE</u> DIAMETER OF CASING/HOLE <u>6 5/8</u> IN BOTTOM OF TUBING OR PIPE <u>113</u> FT CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u> NO. OF SACKS <u>12</u> YIELD <u>1.86</u> CU. FT/SK. VOL. PUMPED <u>22.32</u> CU. FT SLURRY WEIGHT <u>13.2</u> LBS/GAL TOP OF PLUG <u>G. L.</u> FT BRIDGE PLUG TYPE <u>NA</u> DEPTH <u>NA</u> REMARKS <u>THE ZONE 2 PLUG WAS NECESSARY BECAUSE THE WELL TOOK CEMENT OVERNIGHT.</u>				

## PLUGGING REPORT

			DATUM ELEVATION 221.64
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 10/22/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH- 6WS	TFSC FIELD REPRESENTATIVE W. BRANDON	
NOTIFICATION OF REGULATORY AGENCY		DATE 10/22/88	
AGENCY <u>OFFICE OF CONSERVATION</u>		REPRESENTATIVE <u>A. L. THORNTON</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		SERVICE ENGINEER / REP. <u>M. W. SMITH</u>	
DISPOSAL OF FLUIDS			
BY <u>NA</u>		DATE <u>/ /</u>	
QUANTITY <u>NA</u>		FLUID TYPE <u>FRESH</u>	
REMARKS			
ZONE <u>1</u>		TYPE PLUG <u>SAND 20 - 40 MESH</u>	
INTERVAL <u>93.51 TO 37.75 FT</u>		DIAMETER OF CASING/HOLE <u>4.127</u> IN	
BOTTOM OF TUBING OR PIPE <u>NA</u> FT		CEMENT/MUD TYPE <u>SAND</u>	
NO. OF SACKS <u>5</u>	YIELD <u>*</u>	CU. FT/SK.	VOL. PUMPED <u>**</u> CU. FT
SLURRY WEIGHT <u>NA</u>	LBS/GAL	TOP OF PLUG <u>37.75</u> FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			
<u>* 11.15 LF/SK; ** AMT. PLACED 55.76 LN FT.</u>			
<u>SAND GRAVITY FED INTO WELL.</u>			
ZONE <u>2</u>		TYPE PLUG <u>CONTINUOUS CEMENT</u>	
INTERVAL <u>37.75 TO SURFACE</u>		DIAMETER OF CASING/HOLE <u>4.127 (I.D.)</u> IN	
BOTTOM OF TUBING OR PIPE <u>37</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>3</u>	YIELD <u>1.86</u>	CU. FT/SK.	VOL. PUMPED <u>5.58</u> CU. FT
SLURRY WEIGHT <u>13.2</u>	LBS/GAL	TOP OF PLUG <u>G.L.</u> FT	
BRIDGE PLUG TYPE <u>SAND PLUG</u>		DEPTH <u>SEE ZONE 1</u>	
REMARKS			

## PLUGGING REPORT

( PAGE 1 OF 2 )

DATUM ELEVATION  
325.57

CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>09/20/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LH - 7A</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>

**NOTIFICATION OF REGULATORY AGENCY** **DATE** 09/19/88

DATE 09/19/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A. L. THORNTON

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / RFP DAVID DUNCAN

## DISPOSAL OF FLUIDS

BY POOL CO. DATE 09/20/88

QUANTITY 60 BBLS      FLUID TYPE BRINE

**REMARKS**

**ZONE   \***      **TYPE PLUG 6 5/8" TO 12 3/4" CASTING ANNULLUS**

INTERVAL 58.14 TO G.L. 58.14 DIAMETER OF CASING/HOLE NA IN.

**BOTTOM OF TUBING OR PIPE - 58.14 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE**

NO. OF SACKS — 22 YIELD — 1.86 CU. FT./SK — VOL. NUMBER — 42.8 CU. FT.

SLURRY WEIGHT 13.3 LBS/GAL TOP OF PLUG 6.1

BRIDGE PLUG TYPE      NA      DEPTH      NA

**REMARKS**

ANNULUS

Digitized by srujanika@gmail.com

ZONE   \*   TYPE PLUG   12 3/4" TO 20" CASING ANNULUS

INTERVAL 15.5 TO G.L. DIAMETER OF CASING/HOLE NA IN.

**BOTTOM OF TUBING OR PIPE** 15.37 **FT** **CEMENT/MUD TYPE** CLASS A WITH 8% BENTONITE

NO. OF SACKS 10.5 YIELD 1.86 CH. FT./SK. 18.5 VOL. PUMPER 18.5 CH. FT.

SLURRY WEIGHT 13.3 LBS/GAL TOP OF PUMP 6.1

REMARKS:

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## PLUGGING REPORT

(PAGE 2 OF 2)

DATUM ELEVATION  
325.57

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	09/20/88
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE KCI HODGE LH - 7A J.Q. KANTOLA		

ZONE 2 TYPE PLUG CONTINIOUS CASING  
 INTERVAL 1461.51 TO G.L. DIAMETER OF CASING/HOLE 6 5/8" IN 4.0"  
 BOTTOM OF TUBING OR PIPE 1446.7 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE  
 NO. OF SACKS 169 YIELD 1.86 CU. FT/SK. VOL. PUMPED 314.4 CU. FT  
 SLURRY WEIGHT 13.3 LBS/GAL TOP OF PLUG G.L. FT  
 BRIDGE PLUG TYPE SAND PLUG DEPTH 1461.5 TO 1561.09 FT  
 REMARKS  
156 SKS USED WITH TUBING PLUS 13 SKS FOR TUBING DISPLACEMENT.  
TOOK INTO ACCOUNT THE OTIS WIRE LINE SURVEY.

ZONE 1 TYPE PLUG SAND  
 INTERVAL 1561.09 - 1461.51 DIAMETER OF CASING/HOLE 4.5 IN  
 BOTTOM OF TUBING OR PIPE 1470 FT CEMENT/MUD TYPE SAND  
 NO. OF SACKS 9 YIELD \* CU. FT/SK. VOL. PUMPED \*\* CU. FT  
 SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 1461.5 FT  
 BRIDGE PLUG TYPE NA DEPTH NA  
 REMARKS  
SAND PLUG GRAVITY FED THROUGH 2 3/8" TUBING.\*11.06 LN.FT./SK.\*\* 99.58 LN.FT.

ZONE \_\_\_\_\_ TYPE PLUG \_\_\_\_\_  
 INTERVAL \_\_\_\_\_ DIAMETER OF CASING/HOLE \_\_\_\_\_ IN  
 BOTTOM OF TUBING OR PIPE \_\_\_\_\_ FT CEMENT/MUD TYPE \_\_\_\_\_  
 NO. OF SACKS \_\_\_\_\_ YIELD \_\_\_\_\_ CU. FT/SK. VOL. PUMPED \_\_\_\_\_ CU. FT  
 SLURRY WEIGHT \_\_\_\_\_ LBS/GAL TOP OF PLUG \_\_\_\_\_ FT  
 BRIDGE PLUG TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 REMARKS

## PLUGGING REPORT

( PAGE 1 OF 2 )

DATUM ELEVATION  
326.27

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>09/19/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LH - 7B</b>	TFSC FIELD REPRESENTATIVE <b>R. KRANES</b>	

**NOTIFICATION OF REGULATORY AGENCY**      **DATE** 09/18/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A. L. THORNTON

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. MR. VAN HOORBEKE

## **DISPOSAL OF FLUIDS**

BY POOL CO. DATE 09/19/88

QUANTITY 60 BBLS FLUID TYPE BRINE

**REMARKS**

**ZONE 1**      **TYPE PLUG SAND**

INTERVAL 1046.97 TO 932 FT. DIAMETER OF CASING/HOLE 4 IN.

**BOTTOM OF TUBING OR PIPE** 926.59 **FT**      **CEMENT/MUD TYPE** SAND 20 - 40 MESH

NO. OF SACKS 11 YIELD \* CU. FT/SK. VOL. PUMPED \*\* CU. FT.

SLURRY WEIGHT NA LBS/GAL      TOP OF PLUG 932 FT

BRIDGE PLUG TYPE NA DEPTH NA

**REMARKS**

SAND GRAVITY FED THROUGH 2 3/8" TUBING.\* 10.45 LN.FT./SK \*\* AMT. PLACED 114.97 LN.FT.

ZONE 2 TYPE PLUG CONTINIOUS CEMENT

INTERVAL 932 TO G.L. DIAMETER OF CASING/HOLE 6 5/8 IN.

**BOTTOM OF TUBING OR PIPE** 931 **FT** **CEMENT/MUD TYPE** CLASS A WITH 88 BENTONITE

NO. OF SACKS 89 YIELD 1.86 CU. FT/SK. VOL. PUMPED                    CU. FT

SLURRY WEIGHT 13.4 LBS/GAL      TOP OF PLUG G.L. FT

BRIDGE PLUG TYPE      **SAND PLUG**      DEPTH      **SEE ZONE 1**

**REMARKS**

## PLUGGING REPORT

(PAGE 2 OF 2)

DATUM ELEVATION  
326.27

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	09/19/88
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE R. KRANES		
WELL NAME & NUMBER KCI HODGE LH - 7B					
ZONE * <u>  </u>		TYPE PLUG <u>CONTINUOUS CEMENT - ANNULUS</u>			
INTERVAL <u>35 FT. TO G.L.</u>		DIAMETER OF CASING/HOLE <u>6 5/8 IN 20</u>			
BOTTOM OF TUBING OR PIPE <u>35</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>			
NO. OF SACKS <u>35.0</u>		YIELD <u>1.86</u>	CU. FT/SK.	VOL. PUMPED <u>65.1</u> CU. FT	
SLURRY WEIGHT <u>13.3</u> LBS/GAL		TOP OF PLUG <u>G.L.</u> FT			
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>			
REMARKS					
ZONE <u>  </u>		TYPE PLUG <u>  </u>			
INTERVAL <u>  </u>		DIAMETER OF CASING/HOLE <u>  </u> IN			
BOTTOM OF TUBING OR PIPE <u>  </u> FT		CEMENT/MUD TYPE <u>  </u>			
NO. OF SACKS <u>  </u>		YIELD <u>  </u>	CU. FT/SK.	VOL. PUMPED <u>  </u> CU. FT	
SLURRY WEIGHT <u>  </u> LBS/GAL		TOP OF PLUG <u>  </u> FT			
BRIDGE PLUG TYPE <u>  </u>		DEPTH <u>  </u>			
REMARKS					
ZONE <u>  </u>		TYPE PLUG <u>  </u>			
INTERVAL <u>  </u>		DIAMETER OF CASING/HOLE <u>  </u> IN			
BOTTOM OF TUBING OR PIPE <u>  </u> FT		CEMENT/MUD TYPE <u>  </u>			
NO. OF SACKS <u>  </u>		YIELD <u>  </u>	CU. FT/SK.	VOL. PUMPED <u>  </u> CU. FT	
SLURRY WEIGHT <u>  </u> LBS/GAL		TOP OF PLUG <u>  </u> FT			
BRIDGE PLUG TYPE <u>  </u>		DEPTH <u>  </u>			
REMARKS					

## PLUGGING REPORT

			DATUM ELEVATION 329.47
CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>10/31/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LH - 7WS</b>	TFSC FIELD REPRESENTATIVE <b>R. KRANES</b>	
NOTIFICATION OF REGULATORY AGENCY		DATE <u>09/20/88</u>	
AGENCY <u>OFFICE OF CONSERVATION</u>		REPRESENTATIVE <u>A. L. THORNTON</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		SERVICE ENGINEER / REP. <u>M. SMITH</u>	
DISPOSAL OF FLUIDS			
BY <u>NA</u>		DATE <u>/ /</u>	
QUANTITY <u>NA</u>		FLUID TYPE <u>FRESH</u>	
REMARKS			
<hr/> <hr/> <hr/>			
ZONE <u>1</u>		TYPE PLUG <u>SAND PLUG</u>	
INTERVAL <u>589.8 TO 460.24</u>		DIAMETER OF CASING/HOLE <u>4.5</u> IN	
BOTTOM OF TUBING OR PIPE <u>454</u> FT		CEMENT/MUD TYPE <u>20-40 MESH SAND</u>	
NO. OF SACKS <u>12</u>		YIELD <u>*</u> CU. FT/SK.	VOL PUMPED <u>**</u> CU. FT
SLURRY WEIGHT <u>NA</u> LBS/GAL		TOP OF PLUG <u>460.24</u> FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			
<u>* 10.79 LN.FT./SK. ** 129.56 LN.FT. SAND GRAVITY FED THROUGH 2 3/8" TUBING.</u> <hr/> <hr/> <hr/>			
<hr/> <hr/> <hr/>			
ZONE <u>2</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>460.24 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>4.5 - 6 5/8 *</u> IN	
BOTTOM OF TUBING OR PIPE <u>459</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>47</u>		YIELD <u>1.86</u> CU. FT/SK.	VOL PUMPED <u>87.42</u> CU. FT
SLURRY WEIGHT <u>13.27</u> LBS/GAL		TOP OF PLUG <u>3</u> FT	
BRIDGE PLUG TYPE <u>NA</u>		DEPTH <u>NA</u>	
REMARKS			
<u>* 4 1/2" RISER PIPE ( 460 - 410.35 ) 6 5/8" CASING ( 410 - 3 )</u> <hr/> <hr/> <hr/>			
<hr/> <hr/> <hr/>			

## PLUGGING REPORT

(PAGE 1 OF 2)

DATUM ELEVATION  
270

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	10/28/88
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE KCI HODGE LH-17A L. TYRALA		

## NOTIFICATION OF REGULATORY AGENCY

DATE 10/27/88AGENCY OFFICE OF CONSERVATIONREPRESENTATIVE A. L. THORNTONCEMENTING COMPANY WESTERN CO.SERVICE ENGINEER / REP. M. SMITH

## DISPOSAL OF FLUIDS

BY POOL CO.DATE 10/28/88QUANTITY 60 BBLSFLUID TYPE BRINE

## REMARKS

ZONE 1TYPE PLUG SAND PLUGINTERVAL 2022 TO 1959.65 FTDIAMETER OF CASING/HOLE 6 5/8

IN

BOTTOM OF TUBING OR PIPE POURED FT CEMENT/MUD TYPE SAND 20-40 MESHNO. OF SACKS 3YIELD \*

CU. FT/SK.

VOL. PUMPED \*\*

CU. FT

SLURRY WEIGHT NA

LBS/GAL

TOP OF PLUG 1959.65 FTBRIDGE PLUG TYPE NADEPTH NA

## REMARKS

HOLE SANDED TO COVER SCREENED INTERVAL 2022 TO 1993 FT. \* 20.78 LN.FT./SK. .\*\* AMOUNT PLACED 62.35 LN.FT.

ZONE 2TYPE PLUG CONTINUOUS CEMENTINTERVAL 1959.65 TO 3 FT.DIAMETER OF CASING/HOLE 6 5/8

IN

BOTTOM OF TUBING OR PIPE 1958.7 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 204YIELD 1.86

CU. FT/SK.

VOL. PUMPED 379.44

CU. FT

SLURRY WEIGHT 13.2

LBS/GAL

TOP OF PLUG 3 FTBRIDGE PLUG TYPE SANDDEPTH SEE ZONE 1

## REMARKS

CEMENT PUMPED AGAINST SAND PLUG IN SCREEN.

## PLUGGING REPORT

(PAGE 2 OF 2)

		DATUM ELEVATION 270
CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 10/28/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17A	TFSC FIELD REPRESENTATIVE L. TYRALA
ZONE * <u>401 TO 22 FT.</u> TYPE PLUG <u>SAND - 6 5/8 - 10 3/4" CASING</u>		
INTERVAL <u>401 TO 22 FT.</u> DIAMETER OF CASING/HOLE <u>NA</u> IN		
BOTTOM OF TUBING OR PIPE <u>POURED</u> FT CEMENT/MUD TYPE <u>SAND 20-40 MESH</u>		
NO. OF SACKS <u>60</u>	YIELD <u>**</u> CU. FT/SK.	VOL. PUMPED <u>***</u> CU. FT
SLURRY WEIGHT <u>NA</u> LBS/GAL	TOP OF PLUG <u>22</u> FT	
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>	
REMARKS		
<u>PLUGGING OF INNER ANNULUS REQUIRED SANDING TO 22 FT. DUE TO LACK OF SPACE FOR TREMIE PIPE. ** 6.32 CF/SK *** 379 LN.FT.</u>		
ZONE * <u>22 TO 3 FT.</u> TYPE PLUG <u>CEMENT 6 5/8 - 10 3/4" CASING ANNUL.</u>		
INTERVAL <u>22 TO 3 FT.</u> DIAMETER OF CASING/HOLE <u>NA</u> IN		
BOTTOM OF TUBING OR PIPE <u>21.7</u> FT CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>		
NO. OF SACKS <u>4.5</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>8.37</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>3</u> FT	
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>	
REMARKS		
<u>CEMENT PUMPED ON TOP OF SAND PLUG.</u>		
ZONE * <u>24 TO 3 FT.</u> TYPE PLUG <u>CEMENT- 10 3/4 - 20" CASING ANNULUS</u>		
INTERVAL <u>24 TO 3 FT.</u> DIAMETER OF CASING/HOLE <u>NA</u> IN		
BOTTOM OF TUBING OR PIPE <u>23.8</u> FT CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>		
NO. OF SACKS <u>23.1</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>42.97</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>3</u> FT	
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>	
REMARKS		
<u>ANNULUS BETWEEN CONDUCTOR PIPE AND SURFACE CASING.</u>		



PLUGGING REPORT  
(PAGE 2 OF 2)DATUM ELEVATION  
269.72

CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 11/04/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH - 17B	TFSC FIELD REPRESENTATIVE W. BRANDON	

ZONE <u>3</u>	TYPE PLUG <u>CONTINUOUS CEMENT</u>	
INTERVAL <u>91.6 TO G.L.</u>	DIAMETER OF CASING/HOLE <u>6 5/8</u> IN	
BOTTOM OF TUBING OR PIPE <u>NA</u> FT	CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>23.1</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>42.97</u> CU. FT
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>G.L.</u> FT	
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>	
REMARKS		
<u>CEMENT POURED IN VOLUME OF CASING LEFT BY TUBING DISPLACEMENT FROM ORIGINAL PLUGGING.</u>		

ZONE <u></u>	TYPE PLUG <u></u>	
INTERVAL <u></u>	DIAMETER OF CASING/HOLE <u></u> IN	
BOTTOM OF TUBING OR PIPE <u></u> FT	CEMENT/MUD TYPE <u></u>	
NO. OF SACKS <u></u>	YIELD <u></u> CU. FT/SK.	VOL. PUMPED <u></u> CU. FT
SLURRY WEIGHT <u></u> LBS/GAL	TOP OF PLUG <u></u> FT	
BRIDGE PLUG TYPE <u></u>	DEPTH <u></u>	
REMARKS		

ZONE <u></u>	TYPE PLUG <u></u>	
INTERVAL <u></u>	DIAMETER OF CASING/HOLE <u></u> IN	
BOTTOM OF TUBING OR PIPE <u></u> FT	CEMENT/MUD TYPE <u></u>	
NO. OF SACKS <u></u>	YIELD <u></u> CU. FT/SK.	VOL. PUMPED <u></u> CU. FT
SLURRY WEIGHT <u></u> LBS/GAL	TOP OF PLUG <u></u> FT	
BRIDGE PLUG TYPE <u></u>	DEPTH <u></u>	
REMARKS		

## PLUGGING REPORT

			DATUM ELEVATION 270.38
CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>10/01/88</b>	
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>KCI HODGE LH-17WS</b>	TFSC FIELD REPRESENTATIVE <b>R. KRANES</b>	
NOTIFICATION OF REGULATORY AGENCY AGENCY <u>OFFICE OF CONSERVATION</u>		DATE <u>09/22/88</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		REPRESENTATIVE <u>A.L. THORNTON</u> SERVICE ENGINEER / REP. <u>N.P. WORNOCK</u>	
DISPOSAL OF FLUIDS			
BY <u>NA</u>	DATE <u>11</u>		
QUANTITY <u>NA</u>	FLUID TYPE <u>FRESH</u>		
REMARKS			
ZONE <u>1</u>		TYPE PLUG <u>SAND</u>	
INTERVAL <u>433.53 TO 282.3 FT</u>		DIAMETER OF CASING/HOLE <u>4.5</u> IN	
BOTTOM OF TUBING OR PIPE <u>280</u> FT		CEMENT/MUD TYPE <u>SAND, 20-40 MESH</u>	
NO. OF SACKS <u>15</u>	YIELD <u>*</u>	CU. FT/SK.	VOL. PUMPED <u>15</u> CU. FT
SLURRY WEIGHT <u>NA</u>	LBS/GAL	TOP OF PLUG <u>282.3</u> FT	
BRIDGE PLUG TYPE <u>SAND</u>		DEPTH <u>NA</u>	
REMARKS			
<u>SCREEN SANDED BEFORE PLUG BACK.</u>			
<u>* 10.08 LN FT/SK. ** 151.23 LN.FT.</u>			
ZONE <u>2</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>282.3 TO G.L.</u>		DIAMETER OF CASING/HOLE <u>4.5</u> IN	
BOTTOM OF TUBING OR PIPE <u>281</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>15</u>	YIELD <u>1.86</u>	CU. FT/SK.	VOL. PUMPED <u>27.9</u> CU. FT
SLURRY WEIGHT <u>13.2</u>	LBS/GAL	TOP OF PLUG <u>0</u> FT	
BRIDGE PLUG TYPE <u>SAND</u>		DEPTH <u>SEE ZONE 1</u>	
REMARKS			

## PLUGGING REPORT

		DATUM ELEVATION 280.84
CLIENT	DOE / SRPO	J.O. No. 17500.26
STATE	LOUISIANA	DATE 10/27/88
WELL NAME & NUMBER A.K.C. RAYFORD V4		TFSC FIELD REPRESENTATIVE R. KRANES
NOTIFICATION OF REGULATORY AGENCY		DATE 1 / 1
AGENCY **		REPRESENTATIVE NA
CEMENTING COMPANY WESTERN CO.		SERVICE ENGINEER / REP. M. SMITH
DISPOSAL OF FLUIDS		
BY RUN OFF		DATE 10/27/88
QUANTITY 11.9		FLUID TYPE FRESH
REMARKS		
<u>** NOTIFICATION NOT REQUIRED PER INSTRUCTION OF THE STATE " OFFICE OF CONSERVATION.</u> <u>THE WELL WAS NOT PREVIOUSLY REGISTERED.</u>		
ZONE 1		
TYPE PLUG SAND		
INTERVAL 488 TO UNKNOWN		DIAMETER OF CASING/HOLE 3 ( screen ) IN
BOTTOM OF TUBING OR PIPE NA FT CEMENT/MUD TYPE NA		
NO. OF SACKS 2	YIELD * CU. FT/SK.	VOL. PUMPED * CU. FT
SLURRY WEIGHT NA LBS/GAL	TOP OF PLUG -> FT	
BRIDGE PLUG TYPE NA		DEPTH NA
REMARKS		
<u>SANDING OF SCREEN REQUIRED ONLY 93.35# TO COVER SCREEN. 200 # OF SAND WERE PLACED</u> <u>IN SCREEN AND RISER PIPE. TOP OF SAND PLUG WAS UNMEASUREABLE BECAUSE TUBING WOULD NOT</u> <u>GO THROUGH TOP OF RISER PIPE.* UNKNOWNNN</u>		
ZONE 2		
TYPE PLUG CONTINIOUS CEMENT		
INTERVAL * TO 3 FT		DIAMETER OF CASING/HOLE 4 IN
BOTTOM OF TUBING OR PIPE 454 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE		
NO. OF SACKS 45	YIELD 1.86 CU. FT/SK.	VOL. PUMPED 83.7 CU. FT
SLURRY WEIGHT 13.2 LBS/GAL	TOP OF PLUG 3 FT	
BRIDGE PLUG TYPE NA		DEPTH NA
REMARKS		
<u>*DEPTH TO TOP OF SAND PLUG COULD NOT BE MEASURED (SEE ABOVE). VOLUME OF CEMENT PUMPED</u> <u>WAS SUFFICIENT TO FILL FULL LENGTH OF RISER PIPE AND CASING COMBINED.</u>		



## PLUGGING REPORT

DATUM ELEVATION  
219.29

CLIENT <b>DOE / SRPO</b>		J.O. No. <b>17500.26</b>	DATE <b>10/25/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>G.P. THEUS V-6</b>	TFSC FIELD REPRESENTATIVE <b>C.A. FOSTER</b>	

## NOTIFICATION OF REGULATORY AGENCY

DATE 10/25/88AGENCY OFFICE OF CONSERVATIONREPRESENTATIVE BAY THORNTON

CEMENTING COMPANY \_\_\_\_\_

SERVICE ENGINEER / REP. \_\_\_\_\_

## DISPOSAL OF FLUIDS

BY POOL CO.DATE 10/25/88QUANTITY 15 BBLSFLUID TYPE BRINE

## REMARKS

COMMERCIAL FACILITY - FISSETTE #1ZONE 1TYPE PLUG SAND

INTERVAL \_\_\_\_\_

DIAMETER OF CASING/HOLE \_\_\_\_\_ IN

BOTTOM OF TUBING OR PIPE \_\_\_\_\_ FT CEMENT/MUD TYPE \_\_\_\_\_

NO. OF SACKS \_\_\_\_\_

YIELD \_\_\_\_\_ CU. FT/SK.

VOL. PUMPED \_\_\_\_\_ CU. FT

SLURRY WEIGHT \_\_\_\_\_ LBS/GAL

TOP OF PLUG \_\_\_\_\_ FT

BRIDGE PLUG TYPE \_\_\_\_\_

DEPTH \_\_\_\_\_

## REMARKS

COULD NOT GET 2 3/8" TUBING BELOW 603' - DECIDED TO GO WITH ALL CEMENT AS DO NOT KNOW IF SCREEN PLUGGED OR OPEN.ZONE 1TYPE PLUG CONTINIOUS CEMENTINTERVAL 603 TO SURFACEDIAMETER OF CASING/HOLE 5 1/2 INBOTTOM OF TUBING OR PIPE 596 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 46YIELD 1.89 CU. FT/SK.VOL. PUMPED 87 CU. FTSLURRY WEIGHT 13.2 LBS/GALTOP OF PLUG G.L. FTBRIDGE PLUG TYPE NADEPTH NA

## REMARKS

RETURN TO SURFACE PULLED TUBING & TOPPED OFF WITH HOSE DIRECT FROM CEMENT TRUCK.

## PLUGGING REPORT

			DATUM ELEVATION 225.99
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 09/09/88
STATE LOUISIANA	WELL NAME & NUMBER E.H.S. CONNELL V-7	TFSC FIELD REPRESENTATIVE R.T. DECONT	
NOTIFICATION OF REGULATORY AGENCY		DATE / /	
AGENCY *		REPRESENTATIVE NA	
CEMENTING COMPANY <u>WESTERN CO.</u>		SERVICE ENGINEER / REP. <u>R. BOYD</u>	
DISPOSAL OF FLUIDS			
BY <u>POOL CO.</u>		DATE <u>09/09/88</u>	
QUANTITY <u>14 BBLS</u>		FLUID TYPE <u>BRINE</u>	
REMARKS			
<u>* INSTRUCTED BY STATE OFFICE OF CONSERVATION TO PLUG WITHOUT NOTIFICATION OF LOCAL O.C. INSPECTOR.</u>			
ZONE <u>1</u> TYPE PLUG <u>CONTINIOUS CEMENT</u>			
INTERVAL <u>742 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>5 1/2 O.D.</u> IN	
BOTTOM OF TUBING OR PIPE <u>742</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>77</u>		YIELD <u>1.86</u> CU. FT/SK.	
SLURRY WEIGHT <u>13.2</u> LBS/GAL		VOL. PUMPED <u>143.22</u> CU. FT	
BRIDGE PLUG TYPE <u>NA</u>		TOP OF PLUG <u>3</u> FT	
DEPTH <u>NA</u>			
REMARKS			
<u>DOTD GRANTED A VARIENCE TO PLUG THIS WELL FROM THE TOP OF THE OBSTRUCTION TO 3 FT..</u>			
ZONE _____ TYPE PLUG _____			
INTERVAL _____		DIAMETER OF CASING/HOLE _____ IN	
BOTTOM OF TUBING OR PIPE _____ FT		CEMENT/MUD TYPE _____	
NO. OF SACKS _____		YIELD _____ CU. FT/SK.	
SLURRY WEIGHT _____ LBS/GAL		VOL. PUMPED _____ CU. FT	
BRIDGE PLUG TYPE _____		TOP OF PLUG _____ FT	
DEPTH _____			
REMARKS			

## PLUGGING REPORT

		DATUM ELEVATION 229.64
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CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 10/31/88
STATE LOUISIANA	WELL NAME & NUMBER LSU - R1A	TFSC FIELD REPRESENTATIVE R. KRANES

NOTIFICATION OF REGULATORY AGENCY DATE 10/28/88  
 AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A. L. THORNTON  
 CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M. SMITH

DISPOSAL OF FLUIDS  
 BY RUN OFF DATE 10/31/88  
 QUANTITY 5.74 BBLS FLUID TYPE FRESH WATER

REMARKS

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ZONE 1 TYPE PLUG SAND  
 INTERVAL 485 TO 454.04 FT DIAMETER OF CASING/HOLE 4 O.D. IN  
 BOTTOM OF TUBING OR PIPE NA FT CEMENT/MUD TYPE SAND, 20-40 MESH  
 NO. OF SACKS 2 YIELD \* CU. FT/SK. VOL. PUMPED \*\* CU. FT  
 SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 454.04 FT  
 BRIDGE PLUG TYPE NA DEPTH NA  
 REMARKS  
\*15.48 LN.FT./SK: \*\* AMOUNT PLACED 30.96 LN.FT.

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ZONE 2 TYPE PLUG CONTINIOUS CEMENT  
 INTERVAL 454 TO 3 FT DIAMETER OF CASING/HOLE 4.0 O.D. IN  
 BOTTOM OF TUBING OR PIPE 450 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE  
 NO. OF SACKS 24 YIELD 1.86 CU. FT/SK. VOL. PUMPED 44.64 CU. FT  
 SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3.0 FT  
 BRIDGE PLUG TYPE NA DEPTH NA  
 REMARKS  
WELL REQUIRED 28% MORE CEMENT TO PLUG BACK THAN WAS ORIGINALLY CALCULATED.  
THE INITIAL PLUG USED 22 SACKS. THE REMAINDER USED 2 SACKS FOR COMPLETE PLUG.

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## PLUGGING REPORT

(PAGE 1 OF 2)

DATUM ELEVATION  
214.6

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	11/03/88	
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE CONTINENTAL F.I #1 L. TYRALA			

NOTIFICATION OF REGULATORY AGENCY DATE 11/01/88AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTONCEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M.W. SMITH

## DISPOSAL OF FLUIDS

BY POOL CO. DATE 11/03/88QUANTITY 47 BBLS FLUID TYPE BRINE

## REMARKS

BRINE DISPOSAL STARTED ON 11/1/88 AND FINISHED ON 11/3/88. editZONE 1 TYPE PLUG BALANCE PLUGINTERVAL 478.4 TO 339.6 FT DIAMETER OF CASING/HOLE 9 5/8 O.D. INBOTTOM OF TUBING OR PIPE 478.4 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 50 YIELD 1.86 CU. FT/SK. VOL. PUMPED 93 CU. FTSLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 339.6 FTBRIDGE PLUG TYPE NA DEPTH NA

## REMARKS

THIS IS A BLANCE PLUG WITH MINIMUM OF 50 FT BELOW CASING AND 50 FT UP INTO CASINGCASING BOTTOM AT 424 FT.. PUMP DATE 11/01/88.ZONE 2 TYPE PLUG CONTINIOUS CEMENTINTERVAL 339.6 TO 50 FT DIAMETER OF CASING/HOLE 9 5/8 INBOTTOM OF TUBING OR PIPE 339 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 85 YIELD 1.86 CU. FT/SK. VOL. PUMPED 158.1 CU. FTSLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 50 FTBRIDGE PLUG TYPE NA DEPTH NA

## REMARKS

TOP OF BALANCE PLUG WAS TAGGED WITH TUBING AT 339.6 FT.. PUMP DATE 11/02/88.

PLUGGING REPORT  
(PAGE 2 OF 2)DATUM ELEVATION  
214.6

CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 11/03/88
STATE LOUISIANA	WELL NAME & NUMBER CONTINENTAL F.I. #1	TFSC FIELD REPRESENTATIVE L. TYRALA	
ZONE <u>3</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>50 TO 3 FT</u>		DIAMETER OF CASING/HOLE <u>9 5/8</u> IN	
BOTTOM OF TUBING OR PIPE <u>50</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>22</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>40.92</u> CU. FT	
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>3</u> FT		
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>		
REMARKS <u>PUMP DATE 11/03/88.</u>			
ZONE _____		TYPE PLUG _____	
INTERVAL _____		DIAMETER OF CASING/HOLE _____ IN	
BOTTOM OF TUBING OR PIPE _____ FT		CEMENT/MUD TYPE _____	
NO. OF SACKS _____	YIELD _____ CU. FT/SK.	VOL. PUMPED _____ CU. FT	
SLURRY WEIGHT _____ LBS/GAL	TOP OF PLUG _____ FT		
BRIDGE PLUG TYPE _____	DEPTH _____		
REMARKS			
ZONE _____		TYPE PLUG _____	
INTERVAL _____		DIAMETER OF CASING/HOLE _____ IN	
BOTTOM OF TUBING OR PIPE _____ FT		CEMENT/MUD TYPE _____	
NO. OF SACKS _____	YIELD _____ CU. FT/SK.	VOL. PUMPED _____ CU. FT	
SLURRY WEIGHT _____ LBS/GAL	TOP OF PLUG _____ FT		
BRIDGE PLUG TYPE _____	DEPTH _____		
REMARKS			

## PLUGGING REPORT

(PAGE 1 OF 2)

DATUM ELEVATION  
227.7

CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 11/07/88
STATE LOUISIANA	WELL NAME & NUMBER SMITH et al. No.1	TFSC FIELD REPRESENTATIVE R. KRANES	
NOTIFICATION OF REGULATORY AGENCY		DATE <u>11/06/88</u>	
AGENCY <u>OFFICE OF CONSERVATION</u>		REPRESENTATIVE <u>A. L. THORNTON</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		SERVICE ENGINEER / REP. <u>N. T. WARNOCK</u>	
DISPOSAL OF FLUIDS			
BY <u>POOL CO.</u>		DATE <u>11/08/88</u>	
QUANTITY <u>125</u>		FLUID TYPE <u>BRINE</u>	
REMARKS			
<hr/> <hr/>			
ZONE <u>1</u>		TYPE PLUG <u>BALANCE PLUG</u>	
INTERVAL <u>1028 TO 843</u>		DIAMETER OF CASING/HOLE <u>9 5/8</u> IN	
BOTTOM OF TUBING OR PIPE <u>1028</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>55</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>102.3</u> CU. FT	
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>843</u> FT		
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>		
REMARKS			
<u>THIS IS A BLANCE PLUG WITH A MINIMUM OF 50 FT BELOW AND 50 FT UP INTO CASING WITH</u> <u>BASE OF CASING AT 972. PUMP DATE 11/07/88.</u> <hr/> <hr/>			
ZONE <u>2</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>843 TO 597.23 FT</u>		DIAMETER OF CASING/HOLE <u>9 5/8</u> IN	
BOTTOM OF TUBING OR PIPE <u>843</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
NO. OF SACKS <u>62</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>115</u> CU. FT	
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>597.23</u> FT		
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>		
REMARKS			
<u>PUMP DATE 11/08/88.</u> <hr/> <hr/>			

## PLUGGING REPORT

(PAGE 2 OF 2)

			DATUM ELEVATION 227.7
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 11/07/88
STATE LOUISIANA	WELL NAME & NUMBER SMITH et al. No.1	TFSC FIELD REPRESENTATIVE R. KRANES	
ZONE <u>3</u>		TYPE PLUG <u>CONTINIOUS CEMENT</u>	
INTERVAL <u>602 TO 168.9</u>		DIAMETER OF CASING/HOLE <u>9 5/8</u> IN	
BOTTOM OF TUBING OR PIPE <u>596</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 88 BENTONITE</u>	
NO. OF SACKS <u>150</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>362.7</u> CU. FT	
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>169</u> FT		
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>		
REMARKS			
<u>CEMENT WAS PUMPED TO SURFACE, BUT FELL TO 168.9 FT OVER NIGHT. PUMP DATE 11/17/88.</u>			
ZONE <u>4</u>		TYPE PLUG <u>CONTINUOUS CEMENT</u>	
INTERVAL <u>168.9 TO 3.0</u>		DIAMETER OF CASING/HOLE <u>9 5/8" IN</u>	
BOTTOM OF TUBING OR PIPE <u>168</u> FT		CEMENT/MUD TYPE <u>CLASS A WITH 88 BENTONITE</u>	
NO. OF SACKS <u>45</u>	YIELD <u>1.86</u> CU. FT/SK.	VOL. PUMPED <u>83.7</u> CU. FT	
SLURRY WEIGHT <u>13.2</u> LBS/GAL	TOP OF PLUG <u>3</u> FT		
BRIDGE PLUG TYPE <u>NA</u>	DEPTH <u>NA</u>		
REMARKS			
<u>PUMP DATE 11/18/88.</u>			
ZONE <u>  </u>		TYPE PLUG <u>  </u>	
INTERVAL <u>  </u>		DIAMETER OF CASING/HOLE <u>  </u> IN	
BOTTOM OF TUBING OR PIPE <u>  </u> FT		CEMENT/MUD TYPE <u>  </u>	
NO. OF SACKS <u>  </u>	YIELD <u>  </u> CU. FT/SK.	VOL. PUMPED <u>  </u> CU. FT	
SLURRY WEIGHT <u>  </u> LBS/GAL	TOP OF PLUG <u>  </u> FT		
BRIDGE PLUG TYPE <u>  </u>	DEPTH <u>  </u>		
REMARKS			

PERFORATING AND SQUEEZE-CEMENTING REPORT

DATUM ELEVATION 197.75
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CLIENT <b>DOE / SRPO</b>	J.O. No. <b>17500.26</b>	DATE <b>09/15/88</b>
STATE <b>LOUISIANA</b>	WELL NAME & NUMBER <b>L.P.&amp;L. LH-2WS</b>	TFSC FIELD REPRESENTATIVE <b>J.Q. KANTOLA</b>
<b>ZONE 1</b>		
PERFORATING:		
COMPANY <u>NA</u>	INTERVAL <u>NA</u> FT TO <u>NA</u> FT	
CASING GUN DIAMETER <u>NA</u> IN LENGTH <u>NA</u> FT	SHOTS/FT <u>NA</u>	
PATTERN <u>NA</u>	CEMENT RETAINER TYPE <u>WESTERN 4 1/2 IN.</u>	
METHOD <u>TENSION</u>	DEPTH <u>59 FT. 10 IN.</u>	
REMARKS		
<hr/> <hr/>		
CEMENTING:		
COMPANY <u>WESTERN CO. OF N.A.</u>	CEMENT TYPE <u>CLASS H NEAT</u>	
No. OF SACKS <u>6</u> ADDITIVES <u>NONE</u>	SLURRY UNIT VOL. (CU.FT/SK) <u>1.18</u>	
VOLUME PUMPED BEHIND CASING <u>7.08 CU. FT.</u>	VOLUME CIRCULATED OUT <u>NA</u>	
PUMPING PRESSURE @ START <u>&lt;50 psi</u>	@ FINISH <u>&lt;50 psi</u>	
PRESSURE-HOLDING TEST DURATION <u>NA</u>	AT <u>NA</u> PRESSURE	
REMARKS		
<u>SQUEEZED CEMENT INTO SCREEN AREA THROUGH RETAINER. SCREEN AT 61.7 FT TO 134.5 FT.</u>		
<u>CEMENTED ON 9/15/88.</u>		
<hr/> <hr/>		
<b>ZONE 2</b>		
PERFORATING:		
COMPANY <u>GEARHART INDUSTRIES</u>	INTERVAL <u>25</u> FT TO <u>55</u> FT	
CASING GUN DIAMETER <u>1.0</u> IN LENGTH <u>30</u> FT	SHOTS/FT <u>2</u>	
PATTERN <u>180 DEG.</u>	CEMENT RETAINER TYPE <u>WESTERN 4 1/2 IN.</u>	
METHOD <u>TENSION</u>	DEPTH <u>59 FT 10 IN</u>	
REMARKS		
<u>PERFORATED ON 9/15/88.</u>		
<hr/> <hr/>		
CEMENTING:		
COMPANY <u>WESTERN CO. OF N.A.</u>	CEMENT TYPE <u>CLASS H NEAT</u>	
No. OF SACKS <u>42</u> ADDITIVES <u>NONE</u>	SLURRY UNIT VOL. (CU.FT/SK) <u>1.18</u>	
VOLUME PUMPED BEHIND CASING <u>49.56 CU. FT.</u>	VOLUME CIRCULATED OUT <u>NA</u>	
PUMPING PRESSURE @ START <u>GRAVITY</u>	@ FINISH <u>UNKNOWN</u>	
PRESSURE-HOLDING TEST DURATION <u>NA</u>	AT <u>NA</u> PRESSURE	
REMARKS		
<u>ZONE TOOK 27 SACKS MORE THAN ANTICIPATED. SQUEEZE CEMENTED ON 9/15/88.</u>		
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PERFORATING AND SQUEEZE-CEMENTING REPORT

DATUM ELEVATION 223.76
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CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 09/27/88
STATE LOUISIANA	WELL NAME & NUMBER KCI-HODGE LVH-6A	TFSC FIELD REPRESENTATIVE R. KRANES

ZONE 1

PERFORATING:

COMPANY GEARHART INDUSTRIES INTERVAL 985 FT TO 1005 FT  
 CASING GUN DIAMETER NA IN LENGTH 20 FT SHOTS/FT 4  
 PATTERN 90 DEG. CEMENT RETAINER TYPE ELDER TYPE C-1  
 METHOD WIRELINE DEPTH 1020 FT.

REMARKS

PERFORATED ON 9/27/88.

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS A NEAT  
 No. OF SACKS 75 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18  
 VOLUME PUMPED BEHIND CASING 80.6 CU. FT. VOLUME CIRCULATED OUT NA  
 PUMPING PRESSURE @ START 0 PSI @ FINISH 600 PSI  
 PRESSURE-HOLDING TEST DURATION 12 HOURS AT 600 PSI PRESSURE

REMARKS

CEMENTED ON 9/27/88.

ZONE 2

PERFORATING:

COMPANY GEARHART INDUSTRIES INTERVAL 952.5 FT TO 964 FT  
 CASING GUN DIAMETER NA IN LENGTH 11.5 FT SHOTS/FT 2  
 PATTERN 90 DEG. CEMENT RETAINER TYPE ELDER TYPE C-1  
 METHOD WIRELINE DEPTH 1020 FT.

REMARKS

PERFORATED ON 9/30/88.

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS A NEAT  
 No. OF SACKS 75 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18  
 VOLUME PUMPED BEHIND CASING 65 CU. FT. VOLUME CIRCULATED OUT NA  
 PUMPING PRESSURE @ START 250 PSI @ FINISH 600 PSI  
 PRESSURE-HOLDING TEST DURATION 1 HOUR AT 600 PSI PRESSURE

REMARKS

CEMENTED ON 9/30/88.

PERFORATING AND SQUEEZE-CEMENTING REPORT

DATUM ELEVATION  
224.54

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	09/27/88
STATE	LOUISIANA	WELL NAME & NUMBER	TFSC FIELD REPRESENTATIVE R. KRANES		
KCI-HODGE LVH-6B					
ZONE 1					
PERFORATING:					
COMPANY <u>GEARHART INDUSTRIES</u>		INTERVAL	<u>980</u>	FT TO	<u>1000</u> FT
CASING GUN DIAMETER <u>NA</u> IN LENGTH <u>20</u> FT		SHOTS/FT	<u>4</u>		
PATTERN <u>90 DEG.</u>		CEMENT RETAINER TYPE	<u>ELDER TYPE C-1</u>		
METHOD <u>WIRELINE</u>		DEPTH	<u>1020 FT.</u>		
REMARKS					
<u>PERFORATED ON 9/27/88.</u>					
CEMENTING:					
COMPANY <u>WESTERN CO. OF N.A.</u>		CEMENT TYPE	<u>CLASS A NEAT</u>		
No. OF SACKS <u>75</u> ADDITIVES <u>NONE</u>		SLURRY UNIT VOL. (CU.FT/SK)	<u>1.18</u>		
VOLUME PUMPED BEHIND CASING <u>78.82 CU.FT.</u>		VOLUME CIRCULATED OUT	<u>NA</u>		
PUMPING PRESSURE @ START <u>300 PSI</u>		@ FINISH	<u>500 PSI</u>		
PRESSURE-HOLDING TEST DURATION <u>2 HOURS</u>		AT	<u>500 PSI</u> PRESSURE		
REMARKS					
<u>SQUEEZE CEMENTED ON 10/11/88.</u>					
ZONE 2					
PERFORATING:					
COMPANY <u>GEARHART INDUSTRIES</u>		INTERVAL	<u>949</u>	FT TO	<u>960</u> FT
CASING GUN DIAMETER <u>NA</u> IN LENGTH <u>11</u> FT		SHOTS/FT	<u>2</u>		
PATTERN <u>90 DEG.</u>		CEMENT RETAINER TYPE	<u>ELDER TYPE C-1</u>		
METHOD <u>WIRELINE</u>		DEPTH	<u>1020 FT.</u>		
REMARKS					
<u>PERFORATED ON 10/13/88.</u>					
CEMENTING:					
COMPANY <u>WESTERN CO. OF N.A.</u>		CEMENT TYPE	<u>CLASS A NEAT</u>		
No. OF SACKS <u>75</u> ADDITIVES <u>NONE</u>		SLURRY UNIT VOL. (CU.FT/SK)	<u>1.18</u>		
VOLUME PUMPED BEHIND CASING <u>40.1 CU. FT.</u>		VOLUME CIRCULATED OUT	<u>NA</u>		
PUMPING PRESSURE @ START <u>500 PSI</u>		@ FINISH	<u>700 PSI</u>		
PRESSURE-HOLDING TEST DURATION <u>.25 HOURS</u>		AT	<u>700 PSI</u> PRESSURE		
REMARKS					
<u>SQUEEZE CEMENTED ON 10/13/88.</u>					

PERFORATING AND SQUEEZE-CEMENTING REPORT

DATUM ELEVATION 224.92
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CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 09/24/88
STATE LOUISIANA	WELL NAME & NUMBER KCI-HODGE LVH-6C	TFSC FIELD REPRESENTATIVE C.A. FOSTER

ZONE 1

PERFORATING:

COMPANY GEARHART INDUSTRIES INTERVAL 813 FT TO 833 FT  
 CASING GUN DIAMETER NA IN LENGTH 20 FT SHOTS/FT 4  
 PATTERN 90 DEG. CEMENT RETAINER TYPE ELDER TYPE C-1  
 METHOD WIRELINE DEPTH 850 FT.

REMARKS

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS H NEAT  
 No. OF SACKS 75 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18  
 VOLUME PUMPED BEHIND CASING 48.9 CU. FT. VOLUME CIRCULATED OUT NA  
 PUMPING PRESSURE @ START <50 PSI @ FINISH 500 PSI  
 PRESSURE-HOLDING TEST DURATION 10 MIN. AT 500 PSI PRESSURE

REMARKS

CEMENT WAS PRESSURED TO 800 PSI MAX. SQUEEZE CEMENTED ON 9/24/88.

ZONE 2

PERFORATING:

COMPANY \_\_\_\_\_ INTERVAL \_\_\_\_\_ FT TO \_\_\_\_\_ FT  
 CASING GUN DIAMETER \_\_\_\_\_ IN LENGTH \_\_\_\_\_ FT SHOTS/FT \_\_\_\_\_  
 PATTERN \_\_\_\_\_ CEMENT RETAINER TYPE \_\_\_\_\_  
 METHOD \_\_\_\_\_ DEPTH \_\_\_\_\_

REMARKS

CEMENTING:

COMPANY \_\_\_\_\_ CEMENT TYPE \_\_\_\_\_  
 No. OF SACKS \_\_\_\_\_ ADDITIVES \_\_\_\_\_ SLURRY UNIT VOL. (CU.FT/SK) \_\_\_\_\_  
 VOLUME PUMPED BEHIND CASING \_\_\_\_\_ VOLUME CIRCULATED OUT \_\_\_\_\_  
 PUMPING PRESSURE @ START \_\_\_\_\_ @ FINISH \_\_\_\_\_  
 PRESSURE-HOLDING TEST DURATION \_\_\_\_\_ AT \_\_\_\_\_ PRESSURE  
 REMARKS

PERFORATING AND SQUEEZE-CEMENTING REPORT

DATUM ELEVATION 227.7	
CLIENT DOE / SRPO	J.O. No. 17500.26

STATE LOUISIANA	WELL NAME & NUMBER SMITH et al. NO. 1	TFSC FIELD REPRESENTATIVE R. KRANES
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ZONE 1

PERFORATING:

COMPANY GEARHART INDUSTRIES INTERVAL 535 FT TO 555 FT  
CASING GUN DIAMETER NA IN LENGTH 20 FT SHOTS/FT 4  
PATTERN 90 DEG. CEMENT RETAINER TYPE (SEE REMARK BELOW)  
METHOD NA DEPTH 598 FT.

REMARKS

PERFORATED ON 11/09/88.

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS H NEAT  
No. OF SACKS 75 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18  
VOLUME PUMPED BEHIND CASING 71.5 CU. FT. VOLUME CIRCULATED OUT NA  
PUMPING PRESSURE @ START 0 PSI @ FINISH 250 PSI  
PRESSURE-HOLDING TEST DURATION 16 HOURS AT 250 PSI PRESSURE

REMARKS

SQUEEZES AGAINST CEMENT PLUG AT 598 FT. ON 11/10/88. NO PRESSURE REMAINING AT 16 HR.

ZONE 2

PERFORATING:

COMPANY GEARHART INDUSTRIES INTERVAL 465 FT TO 485 FT  
CASING GUN DIAMETER NA IN LENGTH 20 FT SHOTS/FT 4  
PATTERN 90 DEG. CEMENT RETAINER TYPE (SEE REMARK BELOW)  
METHOD NA DEPTH 598 FT.

REMARKS

PERFORATED ON 11/14/88. DRILLED OUT CEMENT TO 598 FT., SQUEEZED AGAINST CEMENT PLUG.

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS H NEAT  
No. OF SACKS 75 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18  
VOLUME PUMPED BEHIND CASING 82.76 CU.FT. VOLUME CIRCULATED OUT NA  
PUMPING PRESSURE @ START 0 PSI @ FINISH 800 PSI  
PRESSURE-HOLDING TEST DURATION 15.75 HOURS AT 700 PSI PRESSURE

REMARKS

SQUEEZE CEMENTED ON 11/14/88. NO PRESSURE REMAINING AT END OF 15.75 HOURS.

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 12/01/88
STATE LOUISIANA	SITE NAME & NUMBER L.P & L LH-2	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>8/9/88 - CAGING OVER WELL HEADS</u>	<u>3</u>	<u>ROY EDWARDS CONSTRUCT.</u>	
<u>9/27/88 - SEVERED WELL CASING SECTIONS</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>	
<u>12/1/88 - GARBAGE AND SPILLED CEMENT</u>	<u>(1) 14cy TRUCK</u>	<u>NEWT BROWN CONTRACTORS</u>	
PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/24/88)			
PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/07/89)			

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO	J.O. No 17500.26	DATE 11/30/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LVH-6	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA

## WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>8/5/88 - CAGING OVER WELL HEADS</u>	<u>4</u>	<u>ROY EDWARDS CONSTRUCTION</u>
<u>11/15-18/88 - SEVERED WELL HEAD SECTIONS</u>	<u>4</u>	<u>SOUTHWESTERN LABS</u>
<u>11/30/88 - GARBAGE AND EXCESS FILL</u>	<u>(2) 24cy TRUCK</u>	<u>NEWT BROWN CONTRACTORS</u>

## PHOTOGRAPH

OF SITE

BEFORE

WELL PLUGGING

(06/25/88)



## PHOTOGRAPH

OF SITE

AFTER

WELL PLUGGING

(02/08/89)



## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO	J.O. No 17500.26	DATE 12/01/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LH-7	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA

## WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>8/9/88 - CAGING OVER WELL HEADS</u>	<u>3</u>	<u>ROY EDWARDS CONSTRUCTION</u>
<u>11/30/88 - SEVERED WELL CASING SECTIONS</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>
<u>12/1/88 - GARBAGE, SPILLED CEMENT, &amp; BRUSH</u>	<u>(1) 14cy TRUCK</u>	<u>NEWT BROWN CONTRACTORS</u>

## PHOTOGRAPH

OF SITE

BEFORE

WELL PLUGGING

(06/24/88)



## PHOTOGRAPH

OF SITE

AFTER

WELL PLUGGING

(02/08/89)



## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 12/01/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LH-17	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>8/5/88 - CAGING OVER WELL HEADS</u>	<u>3</u>	<u>ROY EDWARDS CONSTRUCTION</u>	
<u>11/18-19/88 - SEVERED WELL CASING SECT.</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>	
<u>12/1/88 - GARBAGE &amp; BRUSH</u>	<u>(2) 24cy TRUCK</u>	<u>NEWT BROWN CONTRACTORS</u>	
<p>PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/24/88)</p> 			
<p>PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/08/89)</p> 			

## SITE RESTORATION FORM

**ATTACHMENT 7**

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 11/15/88
STATE LOUISIANA	SITE NAME & NUMBER N.CRAYFORD V-4	TFSC FIELD REPRESENTATIVE H.ABEDI	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>11/15/88 - SEVERED WELL HEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>11/21/88 - GARBAGE</u>		<u>NEWT BROWN CONTRACTORS</u>	
<p>PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/27/88)</p> 			
<p>PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/08/89)</p> 			

## **SITE RESTORATION FORM**

**ATTACHMENT 7**

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 01/11/89
STATE LOUISIANA	SITE NAME & NUMBER E.S.CONNELL V-5	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>1/10/89 - SEVERED WELL HEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<p>PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (01/04/89)</p> 			
<p>PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/08/89)</p> 			

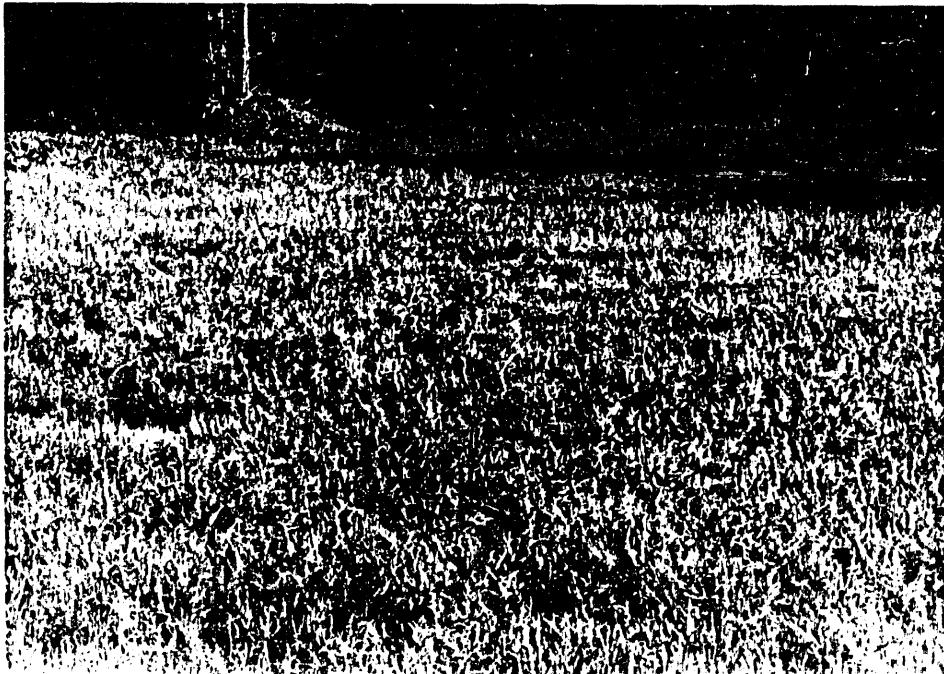
## **SITE RESTORATION FORM**

**ATTACHMENT 7**

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 11/15/88
STATE LOUISIANA	SITE NAME & NUMBER G.P.THEUS V-6	TFSC FIELD REPRESENTATIVE H.ABEDI	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>11/15/88 - SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<p>PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/27/88)</p> 			
<p>PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/08/89)</p> 			

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 11/30/88
STATE LOUISIANA	SITE NAME & NUMBER E.S.CONNELL V-7	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>9/27/88 - SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>11/21/88 &amp; 11/30/88- BRUSH &amp; EXCESS FILL</u>	<u>DUMP TRUCKS</u>	<u>NEWT BROWN CONTRACTORS</u>	
<p>PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/27/88)</p> 			
<p>PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/08/89)</p> 			

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT	DOE / SRPO	J.O. No	17500.26	DATE	12/01/88
STATE LOUISIANA	SITE NAME & NUMBER LSU-R1A	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA			

## WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>11/20/88 - SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>
<u>12/01/88 - GARBAGE &amp; BRUSH</u>		<u>NEWT BROWN CONTRACTORS</u>

PHOTOGRAPH  
OF SITE  
BEFORE  
WELL PLUGGING  
(08/13/88)

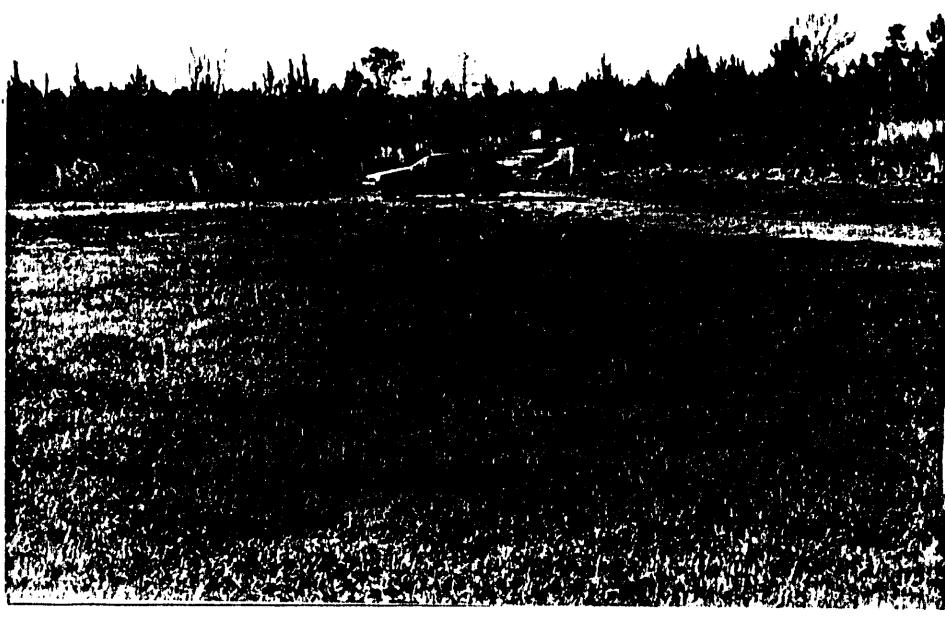


PHOTOGRAPH  
OF SITE  
AFTER  
WELL PLUGGING  
(02/08/89)



## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 11/30/88
STATE LOUISIANA	SITE NAME & NUMBER SMITH ET.AL. #1	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>11/20/88-WOODEN CELLAR &amp;SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>11/21&amp;30/88 - GARBAGE,EXCESS FILL,BRUSH</u>		<u>NEWT BROWN CONTRACTORS</u>	
PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (08/24/88)			
			
PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/08/89)			
			

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT	DOE / SRPO	J.O. No	17500.26	DATE	12/01/88
STATE LOUISIANA	SITE NAME & NUMBER CONTINENTAL F.I. #1	TFSC FIELD REPRESENTATIVE R.KRANES			

## WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>12/1/88-WOODEN CELLAR &amp; SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>

## PHOTOGRAPH

OF SITE  
BEFORE  
WELL PLUGGING  
(08/18/88)



## PHOTOGRAPH

OF SITE  
AFTER  
WELL PLUGGING  
(02/08/89)



## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO	J.O. No 17500.26	DATE 08/09/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-1	TFSC FIELD REPRESENTATIVE R.KRANES

## WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>CORRUGATED PIPE (3-42"x60") (1-10"x7')</u>	<u>4</u>	<u>SOUTHWESTERN LABS</u>
<u>PVC CONDUIT (2-1.5"x10') (1-1.5"x6.5')</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>
<u>INSTRUMENT STAND (METAL)</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>
<u>3'7" DIAMETER METAL LIDS</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>

PHOTOGRAPH

OF SITE

BEFORE

WELL PLUGGING

(06/27/88)



PHOTOGRAPH

OF SITE

AFTER

WELL PLUGGING

(02/08/89)



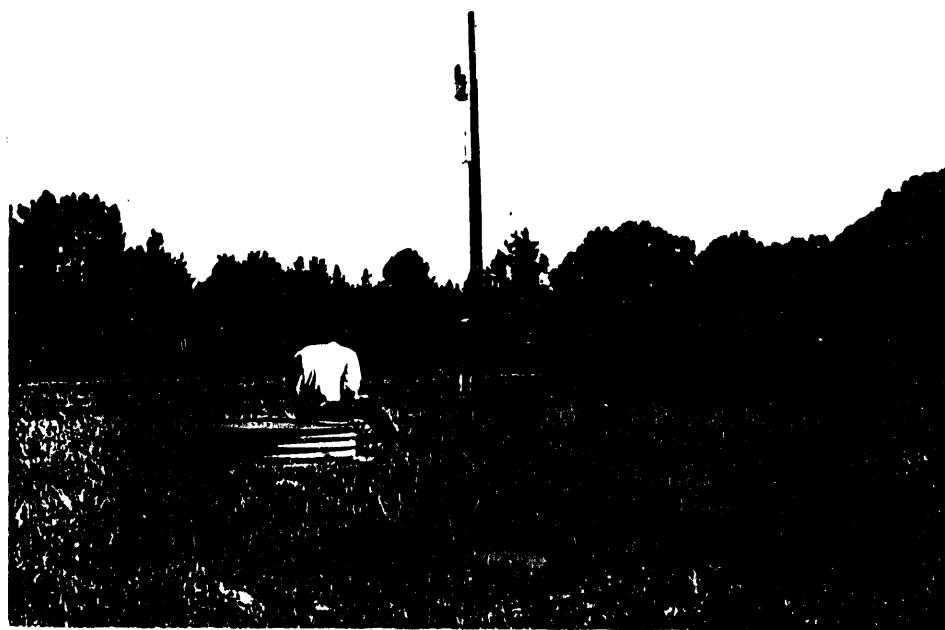
## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 08/09/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-2	TFSC FIELD REPRESENTATIVE R.KRANES	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>CORRUGATED PIPE 42"x48", 42"x60", 10"x7"</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>	
<u>METAL LIDS (44" DIAMETER)</u>	<u>2</u>	<u>SOUTHWESTERN LABS</u>	
<u>INSTRUMENT STAND (METAL)</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>PVC CONDUIT 1.25" x 8.5'</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/28/88)			
PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/09/89)			

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 08/10/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-3	TFSC FIELD REPRESENTATIVE R.KRANES	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>CORRUGATED PIPE-42"x48", 42"x60", 8"x7'</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>	
<u>METAL LIDS (44" DIAMETER)</u>	<u>2</u>	<u>SOUTHWESTERN LABS</u>	
<u>INSTRUMENT STAND (METAL)</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>PVC CONDUIT 1/4"x8.5'</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<p>PHOTOGRAPH OF SITE BEFORE WELL PLUGGING (06/27/88)</p> 			
<p>PHOTOGRAPH OF SITE AFTER WELL PLUGGING (02/09/89)</p> 			

## SITE RESTORATION FORM

ATTACHMENT 7

CLIENT DOE / SRPO		J.O. No 17500.26	DATE 08/10/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-4	TFSC FIELD REPRESENTATIVE R.KRANES	
WASTE MATERIAL DOCUMENTATION			
DESCRIPTION	QUANTITY	DISPOSITION	
<u>CORRUGATED PIPE-42"x60", 42"x48", 10"x36"</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>	
<u>PVC PIPE - 6"x48"</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>PVC CONDUIT 1/4"x10-1/2'</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
<u>METAL LIDS (44" DIAMETER)</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>	
PHOTOGRAPH OF SITE BEFORE WELL PLUGGING ( 06/27/88 )			
PHOTOGRAPH OF SITE AFTER WELL PLUGGING ( 02/09/89 )			

## SITE RESTORATION FORM

ATTACHMENT 7

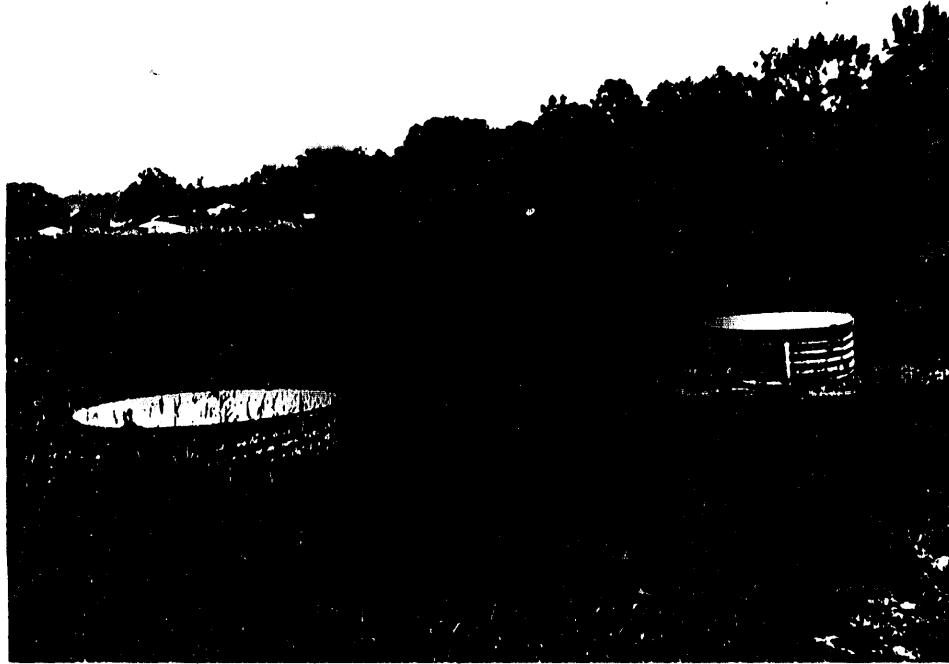
CLIENT DOE / SRPO	J.O. No 17500.26	DATE 09/26/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-5	TFSC FIELD REPRESENTATIVE C.A.FOSTER

## WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>CORRUGATED PIPE-42"x48", 42"x60", 8"x7'</u>	<u>3</u>	<u>SOUTHWESTERN LABS</u>
<u>METAL LIDS (44" DIAMETER)</u>	<u>2</u>	<u>SOUTHWESTERN LABS</u>
<u>INSTRUMENT STAND (METAL)</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>
<u>PVC CONDUIT 1/4" x 8.5'</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>

## PHOTOGRAPH

OF SITE  
BEFORE  
WELL PLUGGING  
(08/29/88)



## PHOTOGRAPH

OF SITE  
AFTER  
WELL PLUGGING  
(02/08/89)



**APPENDIX B**

**STATE DOCUMENTATION**

**AMENDED PERMIT TO DRILL FOR MINERALS**  
**FORM MD-15-R**

DEPT. OF CONSERVATION USE ONLY	FORM MD-15-R (R 2-1978)	AMENDED PERMIT TO DRILL FOR MINERALS	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXX
XXXXXX <input checked="" type="checkbox"/> Change	165974	Serial No. S Date June 27, 1988	FORMER CODES
8806 <input type="checkbox"/> Effective YMM	<b>CURRENT CODES</b> 060 PARISH Webster 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MA 02107		1413
AMENDMENT ACTION	WELL NAME DOE LA Power & Light LH 2A No. 1 LOCATION OF WELL: Sec. 3 T 18N R 10W Former Well No. *ERTEC, Inc.		
<input type="checkbox"/> 0.0.9 <input checked="" type="checkbox"/> PARISH <input type="checkbox"/> 0.3.4 <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> 0.3.5 <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> LSE-UN <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> UN-LSE <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> LSE-LSE <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> UN-UN <input type="checkbox"/> 0.1.4 <input checked="" type="checkbox"/> WELL NO. <input type="checkbox"/> 0.2.1 <input checked="" type="checkbox"/> LOCATION	Applicable Department of Conservation Order 29B Commissioner de Issuing Authority		
ORIGINAL TO OPERATOR			
No. 111692 A			

DEPT. OF CONSERVATION USE ONLY	FORM MD-15-R (R 2-1978)	AMENDED PERMIT TO DRILL FOR MINERALS	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXX
XXXXXX <input checked="" type="checkbox"/> Change	165975	Serial No. S Date June 27, 1988	FORMER CODES
8806 <input type="checkbox"/> Effective YMM	<b>CURRENT CODES</b> 060 PARISH Webster 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MA 02107		1413
AMENDMENT ACTION	WELL NAME DOE LA Power & Light LH 2B No. 1 LOCATION OF WELL: Sec. 3 T 18N R 10W Former Well No. *ERTEC, Inc.		
<input type="checkbox"/> 0.0.9 <input checked="" type="checkbox"/> PARISH <input type="checkbox"/> 0.3.4 <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> 0.3.5 <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> LSE-UN <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> UN-LSE <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> LSE-LSE <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> UN-UN <input type="checkbox"/> 0.1.4 <input checked="" type="checkbox"/> WELL NO. <input type="checkbox"/> 0.2.1 <input checked="" type="checkbox"/> LOCATION	Applicable Department of Conservation Order 29B Commissioner de Issuing Authority		
ORIGINAL TO OPERATOR			
No. 111693 A			

DEPT. OF CONSERVATION USE ONLY	FORM MD-15-R (R 2-1978)	AMENDED PERMIT TO DRILL FOR MINERALS	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXX
XXXXXX <input checked="" type="checkbox"/> Change	165973	Serial No. S Date June 27, 1988	FORMER CODES
8806 <input type="checkbox"/> Effective YMM	<b>CURRENT CODES</b> 060 PARISH Webster 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MA 02107		1413
AMENDMENT ACTION	WELL NAME DOE LA Power & Light LH 2WS No. 1 LOCATION OF WELL: Sec. 3 T 18N R 10W Former Well No. *ERTEC, Inc.		
<input type="checkbox"/> 0.0.9 <input checked="" type="checkbox"/> PARISH <input type="checkbox"/> 0.3.4 <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> 0.3.5 <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> LSE-UN <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> UN-LSE <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> LSE-LSE <input type="checkbox"/> 0.1.6 <input checked="" type="checkbox"/> UN-UN <input type="checkbox"/> 0.1.4 <input checked="" type="checkbox"/> WELL NO. <input type="checkbox"/> 0.2.1 <input checked="" type="checkbox"/> LOCATION	Applicable Department of Conservation Order 29B Commissioner de Issuing Authority		
ORIGINAL TO OPERATOR			
No. 111693 A			

**AMENDED PERMIT TO DRILL FOR MINERALS****FORM MD-15-R**

DEPT. OF CONSERVATION USE ONLY  <input checked="" type="checkbox"/> Change  8806 Effective vmm	FORM MD-15-R (R-2-1976)  168160 Serial No. S Date June 27, 1988  <b>CURRENT CODES</b> 007 PARISH Bienville 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MS 02107  WELL NAME DOE Cont Forest Ind LVH-6A No. 1 LOCATION OF WELL: Sec. 35 T 17N R 8W Former Well No. *ERTEC, Inc.	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXXX  <b>FORMER CODES</b> 1413
<b>AMENDMENT ACTION</b>  <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION	<b>Applicable Department of Conservation Order</b> 29B  Commissioner de Issuing Authority  ORIGINAL TO OPERATOR No. 111680 A	

DEPT. OF CONSERVATION USE ONLY  <input checked="" type="checkbox"/> Change  8806 Effective vmm	FORM MD-15-R (R-2-1976)  168161 Serial No. S Date June 27, 1988  <b>CURRENT CODES</b> 007 PARISH Bienville 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MS 02107  WELL NAME DOE Cont Forest Ind LVH-6B No. 1 LOCATION OF WELL: Sec. 35 T 17N R 8W Former Well No. *ERTEC, Inc.	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXXX  <b>FORMER CODES</b> 1413
<b>AMENDMENT ACTION</b>  <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION	<b>Applicable Department of Conservation Order</b> 29B  Commissioner de Issuing Authority  ORIGINAL TO OPERATOR No. 111682 A	

DEPT. OF CONSERVATION USE ONLY  <input checked="" type="checkbox"/> Change  8806 Effective vmm	FORM MD-15-R (R-2-1976)  168162 Serial No. S Date June 27, 1988  <b>CURRENT CODES</b> 007 PARISH Bienville 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MS 02107  WELL NAME DOE Cont Forest Ind LVH-6C No. 1 LOCATION OF WELL: Sec. 35 T 17N R 8W Former Well No. *ERTEC, Inc.	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXXX  <b>FORMER CODES</b> 1413
<b>AMENDMENT ACTION</b>  <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION	<b>Applicable Department of Conservation Order</b> 29B  Commissioner de Issuing Authority  ORIGINAL TO OPERATOR No. 111681 A	

**AMENDED PERMIT TO DRILL FOR MINERALS**  
**FORM MD-15-R**

DEPT. OF CONSERVATION USE ONLY <u>XXXXXX</u> <u>Change</u> <u>8806</u> <u>Effective</u> <u>YMM</u>	FORM MD-15-R (R 2-1976) <b>AMENDED PERMIT TO DRILL FOR MINERALS</b> <u>166668</u> <u>Serial No.</u> <u>S</u> <u>Date</u> <u>June 27, 1988</u>		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit <u>\$150.00</u> <u>XXXXXX</u>
	<b>CURRENT CODES</b> <u>007</u> <u>9715</u> <u>6424</u>	<b>PARISH</b> <u>Bienville</u> <b>FIELD</b> <u>Wildcat</u> <b>OPERATOR</b> <u>Stone &amp; Webster Engin. Corp.*</u> <b>ADDRESS</b> <u>P.O. Box 2325</u> <b>CITY &amp; STATE</b> <u>Boston, MS 02107</u>	
<b>AMENDMENT ACTION</b> <input checked="" type="checkbox"/> <b>PARISH</b> <input checked="" type="checkbox"/> <b>FIELD</b> <input checked="" type="checkbox"/> <b>OPERATOR</b> <input checked="" type="checkbox"/> <b>LSE-UN</b> <input checked="" type="checkbox"/> <b>UN-LSE</b> <input checked="" type="checkbox"/> <b>LSE-LSE</b> <input checked="" type="checkbox"/> <b>UN-UN</b> <input checked="" type="checkbox"/> <b>WELL NO.</b> <input checked="" type="checkbox"/> <b>LOCATION</b>		<b>WELL NAME</b> <u>DOE Cont Forest Ind LVH-6WS</u> <u>No.</u> <u>1</u> <b>LOCATION OF WELL:</b> <u>Sec. 35 T 17N R 8W</u> <u>Former Well No.</u> <u>*ERTEC, Inc.</u>	<u>Applicable Department of Conservation Order</u> <u>29B</u> <u>Commissioner</u> <u>de</u> <u>Issuing Authority</u>
		<b>ORIGINAL TO OPERATOR</b>	<b>No. 111683 A</b>

DEPT. OF CONSERVATION USE ONLY <u>XXXXXX</u> <u>Change</u> <u>8806</u> <u>Effective</u> <u>YMM</u>	FORM MD-15-R (R 2-1976) <b>AMENDED PERMIT TO DRILL FOR MINERALS</b> <u>166669</u> <u>Serial No.</u> <u>S</u> <u>Date</u> <u>June 27, 1988</u>		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit <u>\$150.00</u> <u>XXXXXX</u>
	<b>CURRENT CODES</b> <u>007</u> <u>9715</u> <u>6424</u>	<b>PARISH</b> <u>Bienville</u> <b>FIELD</b> <u>Wildcat</u> <b>OPERATOR</b> <u>Stone &amp; Webster Engin. Corp.*</u> <b>ADDRESS</b> <u>P.O. Box 2325</u> <b>CITY &amp; STATE</b> <u>Boston, MS 02107</u>	
<b>AMENDMENT ACTION</b> <input checked="" type="checkbox"/> <b>PARISH</b> <input checked="" type="checkbox"/> <b>FIELD</b> <input checked="" type="checkbox"/> <b>OPERATOR</b> <input checked="" type="checkbox"/> <b>LSE-UN</b> <input checked="" type="checkbox"/> <b>UN-LSE</b> <input checked="" type="checkbox"/> <b>LSE-LSE</b> <input checked="" type="checkbox"/> <b>UN-UN</b> <input checked="" type="checkbox"/> <b>WELL NO.</b> <input checked="" type="checkbox"/> <b>LOCATION</b>		<b>WELL NAME</b> <u>DOE Cont Forest Ind LH-7A</u> <u>No.</u> <u>1</u> <b>LOCATION OF WELL:</b> <u>Sec. 5 T 17N R 5W</u> <u>Former Well No.</u> <u>*ERTEC, Inc.</u>	<u>Applicable Department of Conservation Order</u> <u>29B</u> <u>Commissioner</u> <u>de</u> <u>Issuing Authority</u>
		<b>ORIGINAL TO OPERATOR</b>	<b>No. 111686 A</b>

DEPT. OF CONSERVATION USE ONLY <u>XXXXXX</u> <u>Change</u> <u>8806</u> <u>Effective</u> <u>YMM</u>	FORM MD-15-R (R 2-1976) <b>AMENDED PERMIT TO DRILL FOR MINERALS</b> <u>166667</u> <u>Serial No.</u> <u>S</u> <u>Date</u> <u>June 27, 1988</u>		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit <u>\$150.00</u> <u>XXXXXX</u>
	<b>CURRENT CODES</b> <u>007</u> <u>9715</u> <u>6424</u>	<b>PARISH</b> <u>Bienville</u> <b>FIELD</b> <u>Wildcat</u> <b>OPERATOR</b> <u>Stone &amp; Webster Engin. Corp.*</u> <b>ADDRESS</b> <u>P.O. Box 2325</u> <b>CITY &amp; STATE</b> <u>Boston, MS 02107</u>	
<b>AMENDMENT ACTION</b> <input checked="" type="checkbox"/> <b>PARISH</b> <input checked="" type="checkbox"/> <b>FIELD</b> <input checked="" type="checkbox"/> <b>OPERATOR</b> <input checked="" type="checkbox"/> <b>LSE-UN</b> <input checked="" type="checkbox"/> <b>UN-LSE</b> <input checked="" type="checkbox"/> <b>LSE-LSE</b> <input checked="" type="checkbox"/> <b>UN-UN</b> <input checked="" type="checkbox"/> <b>WELL NO.</b> <input checked="" type="checkbox"/> <b>LOCATION</b>		<b>WELL NAME</b> <u>DOE Cont Forest Ind LH-7B</u> <u>No.</u> <u>1</u> <b>LOCATION OF WELL:</b> <u>Sec. 8 T 17N R 5W</u> <u>Former Well No.</u> <u>*ERTEC, Inc.</u>	<u>Applicable Department of Conservation Order</u> <u>29B</u> <u>Commissioner</u> <u>de</u> <u>Issuing Authority</u>
		<b>ORIGINAL TO OPERATOR</b>	<b>No. 111684 A</b>

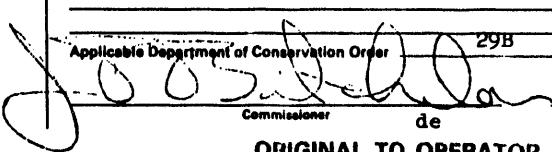
**AMENDED PERMIT TO DRILL FOR MINERALS**  
**FORM MD-15-R**

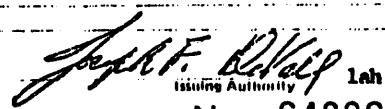
DEPT. OF CONSERVATION USE ONLY  <u>XXXXXX</u> Change  <u>8806</u> Effective yyyy	FORM MD-15-R (R 2-1976)		AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 <u>XXXXXX</u>
	166670	Serial No.	S	Date June 27, 1988	
<b>AMENDMENT ACTION</b> <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> EXPLORATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION	<b>CURRENT CODES</b>		PARISH Bienville		<b>FORMER CODES</b>
	007	FIELD	Wildcat		
	9715	OPERATOR	Stone & Webster Engin. Corp.*		
	6424	ADDRESS	P.O. Box 2325		
		CITY & STATE	Boston, MS 02107		
		WELL NAME	DOE Cont Forest Ind LH-7WS	No. 1	
		LOCATION OF WELL: Sec.	8 T 17N R 5W	Former Well No.	
		*ERTEC, Inc.			
		Applicable Department of Conservation Order 29B			
		Commissioner	de	Issuing Authority	
ORIGINAL TO OPERATOR					No. 111685 A

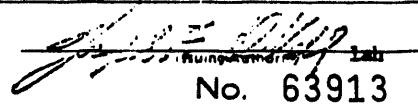
DEPT. OF CONSERVATION USE ONLY  <u>XXXXXX</u> Change  <u>8806</u> Effective yyyy	FORM MD-15-R (R 2-1976)		AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 <u>XXXXXX</u>
	168158	Serial No.	S	Date June 27, 1988	
<b>AMENDMENT ACTION</b> <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> EXPLORATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION	<b>CURRENT CODES</b>		PARISH Bienville		<b>FORMER CODES</b>
	007	FIELD	Wildcat		
	9715	OPERATOR	Stone & Webster Engin. Corp.*		
	6424	ADDRESS	P.O. Box 2325		
		CITY & STATE	Boston, MS 02107		
		WELL NAME	DOE Cont Forest Ind LH-17A	No. 1	
		LOCATION OF WELL: Sec.	12 T 15N R 10W	Former Well No.	
		*ERTEC, Inc.			
		Applicable Department of Conservation Order 29B			
		Commissioner	de	Issuing Authority	
ORIGINAL TO OPERATOR					No. 111687 A

DEPT. OF CONSERVATION USE ONLY  <u>XXXXXX</u> Change  <u>8806</u> Effective yyyy	FORM MD-15-R (R 2-1976)		AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 <u>XXXXXX</u>
	168159	Serial No.	S	Date June 27, 1988	
<b>AMENDMENT ACTION</b> <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> EXPLORATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION	<b>CURRENT CODES</b>		PARISH Bienville		<b>FORMER CODES</b>
	007	FIELD	Wildcat		
	9715	OPERATOR	Stone & Webster Engin. Corp.*		
	6424	ADDRESS	P.O. Box 2325		
		CITY & STATE	Boston, MS 02107		
		WELL NAME	DOE Cont Forest Ind LH-17B	No. 1	
		LOCATION OF WELL: Sec.	12 T 15N R 10W	Former Well No.	
		*ERTEC, Inc.			
		Applicable Department of Conservation Order 29B			
		Commissioner	de	Issuing Authority	
ORIGINAL TO OPERATOR					No. 111689 A

**AMENDED PERMIT TO DRILL FOR MINERALS**  
**FORM MD-15-R**

DEPT. OF CONSERVATION USE ONLY  <u>XXXXX</u> <u>11 Change</u>  <u>8806</u> <u>Effective</u> <u>yy-mm</u>	FORM MD-15-R (R 2-1976)		AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 <u>XXXXXX</u> <u>976.00</u>
	166673	Serial No.	S	Date	June 27, 1988
CURRENT CODES		Bienville		FORMER CODES	
007	PARISH	Wildcat			<u>1413</u>
9715	FIELD	Stone & Webster Engin. Corp. #			
6424	OPERATOR	P.O. Box 2325			
	ADDRESS	Boston, MS 02107			
	CITY & STATE				
WELL NAME		DOE Cont Forest Ind LH-17WS	No.	1	
LOCATION OF WELL: Sec. <u>12</u> T <u>15N</u> R <u>10W</u>		Former Well No.	Former Well No.		
AMENDMENT ACTION		Applicable Department of Conservation Order			
<input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION		<u>29B</u>  <u>John D. L. Dan</u> <u>Commissioner</u>			
		<u>20 July 1988</u> <u>John D. L. Dan</u> <u>Commissioner</u>			
		<u>Issuing Authority</u> <b>No. 111688 A</b>			
<b>ORIGINAL TO OPERATOR</b>					

DEPT. OF CONSERVATION USE ONLY  <u>11 Change</u>  <u>7804</u> <u>Effective</u> <u>yy-mm</u>	FORM MD-15-R (R 2-1976) <u>Shreve</u>		AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$25.00
	157684	Serial No.	Date		<u>4-7-78</u>
CURRENT CODES		Bienville		FORMER CODES	
007	PARISH	Rayburn Salt Dome			
	FIELD	U. S. Dept. of Energy			
	OPERATOR	Environmental Studies			
	ADDRESS	LSU, Baton Rouge, LA			
WELL NAME		DOE Continental F. I. et al	No.	1	
LOCATION OF WELL: Sec. <u>31</u> T <u>15N</u> R <u>5W</u>		Former Well No.	Former Well No.		
LOCATION CITY/STATE: <u>1649'</u> due W & <u>602'</u> Due N of NE/C of SE/4 of NW/4 of Sec. 31. API # <u>1701340347</u>					
AMENDMENT ACTION		Applicable Department of Conservation Order			
<input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> LSE-UN <input checked="" type="checkbox"/> UN-LSE <input checked="" type="checkbox"/> LSE-LSE <input checked="" type="checkbox"/> UN-UN <input checked="" type="checkbox"/> WELL NO. <input checked="" type="checkbox"/> LOCATION		 <u>R. L. Suttorius</u> <u>Commissioner</u>			
		 <u>Joseph F. B. Waltrip</u> <u>Issuing Authority</u>			
		<u>1st</u> <b>No. 64806 A</b>			
<b>WELL FILE COPY</b>					

DEPT. OF CONSERVATION USE ONLY  <u>XX Change</u>  <u>7711</u> <u>Effective</u> <u>yy-mm</u>	FORM MD-15-R (R 2-1976) <u>Shreveprt</u>		AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$25.00
	157091	Serial No.	Date		<u>11-8-77</u>
CURRENT CODES		Webster		FORMER CODES	
060	PARISH	Vacherie			
9086	FIELD	Dept. of Energy			
	OPERATOR	Env. Studies			
	ADDRESS	Louisiana State University			
	CITY & STATE	Baton Rouge LA 70803			
WELL NAME		DOE - Smith et al	No.	1	
LOCATION OF WELL: Sec. <u>16</u> T <u>17N</u> R <u>8W</u>		Former Well No.	Former Well No.		
LOCATION SAME					
PREVIOUSLY: U.S. ENERGY RES. & DEV. ADMIN.					
ERFA - Smith et al					
Applicable Department of Conservation Order		<u>29-B</u>			
		 <u>John D. L. Dan</u> <u>Commissioner</u>			
		 <u>John D. L. Dan</u> <u>Issuing Authority</u>			
		<u>2nd</u> <b>No. 63913 A</b>			
<b>WELL FILE COPY</b>					

**WORK PERMIT  
FORM DM-4R REV**

**Work Permit**

**STATE OF LOUISIANA DEPARTMENT OF CONSERVATION**

Well Name & No. DOE - CONT. FOREST IND. LH-6A #1 Sec 35 T 17N R 8W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 168160 Work Permit No. 624-1054-88-1

Description of Work PLUG & ABANDON, PERFORATE, SQUEEZE

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Scott District 512-1054-88-1 Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

**STATE OF LOUISIANA DEPARTMENT OF CONSERVATION**

Well Name & No. DOE - CONT. FOREST IND. LH-6B #1 Sec 35 T 17N R 8W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 168161 Work Permit No. 624-1053-88-1

Description of Work PLUG & ABANDON, PERFORATE, SQUEEZE

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Scott District 512-1054-88-1 Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

**STATE OF LOUISIANA DEPARTMENT OF CONSERVATION**

Well Name & No. DOE - CONT. FOREST IND. LH-6C #1 Sec 35 T 17N R 8W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 168162 Work Permit No. 624-1052-88-1

Description of Work PLUG & ABANDON, PERFORATE, SQUEEZE

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Scott District 512-1054-88-1 Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

**STATE OF LOUISIANA DEPARTMENT OF CONSERVATION**

Well Name & No. DOE - CONT. FOREST IND. LH-6D #1 Sec 35 T 17N R 8W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 168163 Work Permit No. 624-1051-88-1

Description of Work PLUG & ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Scott District 512-1054-88-1 Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**WORK PERMIT**  
**FORM DM-4R REV**

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE LA POWER #1 Sec. 3 T 18N R 10W  
Field WILDCAT Parish WEBSTER  
Permit Serial No. 165973 Work Permit No. 1048-88-1

Description of Work PERFORATE SQUEEZE 115-130  
TO P.A.T Back side

Sand & Reservoir To Be Tested TD 140'

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Kantola Date 9/15/88

Permit Authorized By Frank J. Sant District Shreveport Date 9-21-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE LA POWER #1 Sec. 3 T 18N R 10W  
Field WILDCAT Parish WEBSTER  
Permit Serial No. 165973 Work Permit No. 1048-88-1

Description of Work PLUG AND ABANDON

Sand & Reservoir To Be Tested TD

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Kantola Date 8/26/88

Permit Authorized By Frank J. Sant District Shreveport Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE LA POWER #1 Sec. 3 T 18N R 10W  
Field WILDCAT Parish WEBSTER  
Permit Serial No. 165975 Work Permit No. 1049-88-1

Description of Work PLUG & ABANDON

Sand & Reservoir To Be Tested TD

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Kantola Date 8/26/88

Permit Authorized By Frank J. Sant District Shreveport Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE LA POWER #1 Sec. 3 T 18N R 10W  
Field WILDCAT Parish WEBSTER  
Permit Serial No. 165974 Work Permit No. 1050-88-1

Description of Work PLUG AND ABANDON

Sand & Reservoir To Be Tested TD

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON MA 02107

Permit Requested By Joel Kantola Joel Kantola Date 8/26/88

Permit Authorized By Frank J. Sant District Shreveport Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

WORK PERMIT  
FORM DM-4R REV

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE COAT FOREST IND. LH-17A #1 Sec 12 T 15N R 10W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 168158 Work Permit No. 524-1047-88-1

Description of Work PLUG & ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERS CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON, MA 02107

Permit Requested By Sal Kantsa Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Savot District SHREVEPORT Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE COAT FOREST IND. LH-17B #1 Sec 12 T 15N R 10W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 168159 Work Permit No. 524-1046-88-1

Description of Work PLUG & ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERS CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON, MA 02107

Permit Requested By Sal Kantsa Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Savot District SHREVEPORT Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE COAT FOREST IND. LH-17WS #1 Sec 12 T 15N R 10W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 166673 Work Permit No. 524-1052-88-1

Description of Work PLUG & ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERS CORP.  
Address P.O. BOX 2325  
City, State & Zip BOSTON, MA 02107

Permit Requested By Sal Kantsa Joel Q. Kantola Date 8/26/88

Permit Authorized By Frank J. Savot District SHREVEPORT Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**WORK PERMIT**  
**FORM DM-4R REV**

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE CONT. FOREST IND. LH-7B #1 Sec B T 17N R 5W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 166670 Work Permit No. 1055-88-1

Description of Work PLUG AND ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON, MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By John L. Savant District SHILOH Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE Cont. FOREST IND. LH-7A #1 Sec B T 17N R 5W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 166670 Work Permit No. 1056-88-1

Description of Work PLUG + ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON, MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By John L. Savant District SHILOH Date 8-29-88

See Instructions On Reverse Side

Form DM-4R Rev.

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE Cont. FOREST IND. LH-7A #1 Sec 5 T 17N R 5W  
Field WILDCAT Parish BIENVILLE  
Permit Serial No. 166669 Work Permit No. 1056-88-1

Description of Work PLUG + ABANDON

Sand & Reservoir To Be Tested \_\_\_\_\_ TD \_\_\_\_\_

Operator STONE & WEBSTER ENGINEERING CORP.  
Address P.O. Box 2325  
City, State & Zip BOSTON, MA 02107

Permit Requested By Joel Q. Kantola Date 8/26/88

Permit Authorized By John L. Savant District SHILOH Date 8-26-88

See Instructions On Reverse Side

Form DM-4R Rev.

**WORK PERMIT  
FORM DM-4R REV**

OFFICE OF CONSERVATION      INJECTION WELL  
SJM DIVISION      WORK PERMIT      NO. UIC 007359  
 (LEASE TYPE)      SERIAL NO. 971964

WELL NAME DCE DeLando D. Hanes 151-R1A      WELL NO.   
 SEC 31 T 15N R 8W FIELD BLDGAT - RAYBURNS SALT DOME PARISH BIENVILLE  
 DESCRIPTION OF WORK ABANDON: CEMENT TO T.D (DEPTH FROM G.L.)  
OR SET CEMENT RETAINER ABOVE TOP OF SCREEN (DEPTH  
FROM G.L.) AND CEMENT TO G.L. CEMENT WILL  
BE TYPE "A" WITH 8% BENTONITE.

OPERATOR STONE WEBSTER ENGINEERING CORP.  
 ADDRESS ATTN: RT. DECONTO, C.A. FOSTER, P.O. BOX 2525  
BOSTON, MA 02107      PHONE 617 587-7058  
 PERMIT REQUESTED BY C. ALAN FOSTER      DATE 12-27-88  
 SIGNATURE C. Alan Foster  
 PERMIT AUTHORIZED BY Jamie A. Miller      DATE 6/06/89

17013 EFC 15

FORM UIC-17 (Formerly Form 4R)      SEE INSTRUCTIONS ON REVERSE SIDE      REV 3/87

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DCE-Continental F. et al No. 1 Sec 31 T 15N 5W  
 Field Rayburns Salt Dome      Parish Bienville  
 Permit Serial No. 157684      Work Permit No. 2118-88-1

Description of Work Plug & Abandon

Sand & Reservoir To Be Tested TD 5013'  
 Operator U. S. DEPT. OF ENERGY  
 Address DOE-Salt Repository Project Office  
110 North 25 Mile Ave  
Hercules, TX 79045  
 City, State & Zip

Permit Requested By Richard DeCanto      Richard DeCanto Date 9-6-88

Permit Authorized By Frank J. Sauer      Frank J. Sauer Date 10-24-88

See Instructions On Reverse Side

**Work Permit**

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DCE - Smith et al. No. 1 Sec 16 T 17N 8W  
 Field Webster - Vacherie Salt Dome      Parish Webster  
 Permit Serial No. 137091      Work Permit No. 2117-88-1

Description of Work Plug & Abandon. PERFORATE AND  
SQUEEZE INTERVAL 535-550'

Sand & Reservoir To Be Tested TD 5043'  
 Operator Department of Energy  
 Address Salt Repository Project Office  
110 North 25 Mile Ave, Hercules, TX  
79045  
 City, State & Zip

Permit Requested By Richard DeCanto      Richard DeCanto Date 9-6-88

Permit Authorized By Frank J. Sauer      Frank J. Sauer Date 10-24-88

See Instructions On Reverse Side

**INJECTION WELL WORK PERMIT**  
**FORM UIC - 17**

**OFFICE OF CONSERVATION**  
IBM DIVISION (PLEASE TYPE)

**INJECTION WELL  
WORK PERMIT**

NO. UIC 0073510  
SERIAL NO. 971960

WELL NAME DOE N.C. RAYFORD V-1

SEC. 15 T 17N R 8W FIELD WILDCAT - VACHERIE SALT DOME Webster  
DESCRIPTION OF WORK ABANDON: Cement from TD (608' GL) to  
Ground Level or Set Cement Retainer above top of Screen  
(475' GL) and cement to Ground level. Cement will be  
Type A with 8% bentonite

OPERATOR STONE & WEBSTER ENGINEERING CORP.  
ADDRESS P.O. Box 2325, Boston, MA 02107

ATTN: C. A. FOSTER

PHONE 617, 589-2098  
DATE 12-23-88

PERMIT REQUESTED BY Richard Kranes

SIGNATURE Richard Kranes

PERMIT AUTHORIZED BY James P. Nash DATE 6/06/89

FORM UIC-17 (FORMERLY UIC-1)

SEE INSTRUCTIONS ON REVERSE SIDE

REV 3/87

**OFFICE OF CONSERVATION**  
IBM DIVISION (PLEASE TYPE)

**INJECTION WELL  
WORK PERMIT**

NO. UIC 007358  
SERIAL NO. 971962

WELL NO. 1

WELL NAME DOE-GP.THEUS V6 (FORMALLY E.S. CONNELL V6)  
SEC. 22 T 17N R 8W FIELD VACHERIE SALT DOME PARISH BIENVILLE  
DESCRIPTION OF WORK ABANDON: CEMENT TO T.D. (DEPTH 618'  
FROM G.L.) OR SET CEMENT RETAINER ABOVE  
TOP OF SCREEN (DEPTH 608' FROM G.L.) AND  
CEMENT TO SURFACE WITH TYPE "A" WITH  
8% BENTONITE

OPERATOR STONE & WEBSTER ENGINEERING CORP.  
ADDRESS P.O. Box 2325 BOSTON, MA 02107

ATTN: C. A. FOSTER

PHONE 617, 589-2098  
DATE 12-23-88

PERMIT REQUESTED BY C. A. ALAN FOSTER

SIGNATURE C. A. Alan Foster

PERMIT AUTHORIZED BY James P. Nash DATE 6/06/89

FORM UIC-17 (FORMERLY UIC-1)

SEE INSTRUCTIONS ON REVERSE SIDE

REV 3/87

**OFFICE OF CONSERVATION**

IBM DIVISION (PLEASE TYPE)

**INJECTION WELL  
WORK PERMIT**

NO. UIC 007357  
SERIAL NO. 971961

WELL NO. No. 1

WELL NAME DOE F.S. CONNELL V-5  
SEC. 22 T 17N R 8W FIELD WILDCAT / VACHERIE SALT DOME PARISH BIENVILLE  
DESCRIPTION OF WORK ABANDON: SAND SCREEN SECTION OF WELL  
(387 TO 377 FROM G.L.) AND 10 FT OF RISER PIPE  
(377 TO 367 FROM G.L.). CEMENT RISER PIPE  
(367 TO 356 FROM G.L.) AND CASTING (356 TO G.L.)  
W/ API CLASS "A" CEMENT W/ 8% BENTONITE.  
NOTE: SAND WILL BE TRENDED, CEMENT WILL BE  
PUMPED DOWN.

OPERATOR STONE & WEBSTER ENGINEERING CORP.

ADDRESS ATTN: C. A. FOSTER, 12<sup>th</sup> FL., GEOTECH, P.O. Box 2325  
BOSTON, MA 02107 PHONE 617, 589-2098

PERMIT REQUESTED BY C. ALAN FOSTER

SIGNATURE C. Alan Foster

PERMIT AUTHORIZED BY James P. Nash

DATE 6/06/89

170-68013 FORM UIC-17 (FORMERLY UIC-1)

SEE INSTRUCTIONS ON REVERSE SIDE

REV 3/87

**OFFICE OF CONSERVATION**

IBM DIVISION (PLEASE TYPE)

**INJECTION WELL  
WORK PERMIT**

NO. UIC 006703  
SERIAL NO. 971963

WELL NO. 1

WELL NAME DOE E.S. CONNELL V-7  
SEC. 22 T 17N R 8W FIELD WILDCAT - VACHERIE SALT DOME PARISH WEBSTER  
DESCRIPTION OF WORK ABANDON: CEMENT FROM DEPTH 742.0 FT  
TO GROUND LEVEL (EL. 225.89 FT). USING  
TYPE "A" CEMENT WITH 8% BENTONITE.

OPERATOR STONE & WEBSTER ENGINEERING CORP.

ADDRESS ATTN: R.T. DELORTO, C.A. FOSTER, P.O. Box 2325  
BOSTON, MA 02107 PHONE 617, 589-7058

PERMIT REQUESTED BY C. A. FOSTER

SIGNATURE C. A. Foster

PERMIT AUTHORIZED BY James P. Nash

DATE 12/05/88

170-68013 FORM UIC-17 (FORMERLY UIC-1)

SEE INSTRUCTIONS ON REVERSE SIDE

REV 3/87

**PLUG AND ABANDON REPORT  
FORM P & A**

OFFICE OF CONSERVATION

**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 1050-88-1

WELL SERIAL NO. 165974  
DATE WORK FINISHED (MM-DD-YY) 9-22-88

Shreveport DISTRICT  
(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Wildcat Parish Webster Sec. 3 Twp 8N Rge. 10W  
Operator Stonewebster Eng'g Corp. Well Name Doe Light Well No. 442A  
Total Depth 1850' Condition of Well Plugged

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	6 5/8"	None	1662'	0'	178500 Plugged
302					
303					
304					

Mud Record: Weight Fresh Water Viscosity \_\_\_\_\_

Remarks: Cut pipe off 3' below surface weld plate

This work was done according to the Rules and Regulations of the Office of Conservation.

WITNESS

Pete Colvin

Stonewebster Eng'g Corp.  
OPERATOR

(Signed)

Joe J. Johnson  
REPRESENTATIVE

**PLUG AND ABANDON REPORT  
FORM P & A**

**OFFICE OF CONSERVATION**

**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 1049-88-1

WELL SERIAL NO. 165975  
DATE WORK FINISHED (MM-DD-YY) 09/27/68

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish WEBSTER Sec. 3 Twp. 18N Rge. 10W  
Operator Stone & Webster 6424 Well Name DOE-LA. POWER & LIGHT Well No. 1  
Engineering Corp. LH 2B  
Total Depth 751.89 Ft. Condition of Well 6 5/8" casing surface to 655' with  
4 1/2" screen from 658.64' to 740' in gravel pack.

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	6 5/8" O.D.	0	Surface	655'	
302	Riser 4 1/2" O.D.	0	595.9'	658.64'	97 Pump Down
303	Screen 4 1/2" O.D.	0	658.64'	740'	
304	Tail Pipe 4 1/2" O.D.	0	740'	744.05'	

Mud Record: Weight NA Viscosity NA

Remarks: 2 3/3" tubing stuck in hole after 78 sacks of cement pumped. Tubing cemented  
in hole from 73' to 737'.

This work was done according to the Rules and Regulations of the Office of Conservation.

Jack K. Johnson  
WITNESS

Stone & Webster Engineering Corporation  
OPERATOR

Pete Colvin

(Signed)

Calvin Foster  
REPRESENTATIVE

PLUG AND ABANDON REPORT  
FORM P & A

OFFICE OF CONSERVATION

PLUG AND ABANDON REPORT

WORK PERMIT NO. 1048-88-1 WELL SERIAL NO. 16592-2688  
DATE WORK FINISHED (MM-DD-YY)

Shreveport DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Wildcat Parish Webster Sec. 1 Twp. 18 Rge. 10  
Operator Stone-Webster Engin. Corp. Well Name DOE LA Powerd Light Well No. 1  
Total Depth 420 Condition of Well LH-ZWS  
P.B. 168'

CHECK APPROPRIATE BOX:

29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT- PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	14"	None	60' Cementainer		Poured
302			Poured Cement to		"
303		134'	65X5		"
304		Backside square 4x2	5X5		"

Mud Record: Weight Freshwater Viscosity \_\_\_\_\_

Remarks: Cut pipe off 3' below surface weld plate  
ON

This work was done according to the Rules and Regulations of the Office of Conservation.

Pete Colvin  
WITNESS  
CEA

Stone-Webster Engin. Corp.  
OPERATOR

(Signed)

Jack Fanta  
REPRESENTATIVE

**PLUG AND ABANDON REPORT  
FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 1054-88-1

WELL SERIAL NO. 168160  
DATE WORK FINISHED (MM-DD-YY) 11-18-88

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Wildcat Parish BIENVILLE Sec. 35 Twp. 17N Rge. 8W  
Operator STONE & WEBSTER Well Name DOE-CONT-FURST Well No. 69-41  
Total Depth 2696.98 Condition of Well ABANDONED OBSERVATION

WELL N-F-N.

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	<u>6 5/8</u>	<u>NONE</u>	<u>2496</u>	<u>3</u>	<u>349.5</u> <u>WESTERN</u>
302					
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: CUT 3' below GROUND 4 1/2" PLATE WELDED  
ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

A. P. Thorne  
WITNESS

STONE & WEBSTER ENG-CORP.  
OPERATOR

Signed)

Richard F. Jones  
REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 1053-88-1

WELL SERIAL NO. 168161  
DATE WORK FINISHED (MM-DD-YY) 11-18-88

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 35 Twp. 17N Rge. 8W

Operator STONE & WEBSTER <sup>case</sup> 6424 Well Name DOECONT-FORST 116 Well No. 1

Total Depth 1831.18 Condition of Well ABANDONED OBSERVATION

WELL - NFNL

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	<u>6 7/8"</u>	<u>NONE</u>	<u>1786'</u>	<u>3'</u>	<u>244</u> <u>WESTERN</u>
302					
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: CUT 3' BELOW GROUND LEVEL. w/ 1/2", CRATE  
WELDED ON TO D-

This work was done according to the Rules and Regulations of the Office of Conservation.

R. P. Thornton  
WITNESS

STONE & WEBSTER ENG-PGP-  
OPERATOR

(Signed)

Richard Jones  
REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 1052-88-1

WELL SERIAL NO. 168162  
DATE WORK FINISHED (MM-DD-YY) 11-18-88

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 35 Twp 17N Rge. 8W

Operator STONE & WEBSTER 6424 Well Name DOE CONTE FOREST IND Well No. 1

Total Depth 970' Condition of Well ABANDONED OBSERVATION

WELL N-F-N-

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	<u>6 5/8"</u>	<u>NONE</u>	<u>868.6'</u>	<u>3</u>	<u>107</u> <u>WESTERN</u>
302					
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: CUT 3' BELOW GROUND LEVEL w/ 1/2" PLATE  
WELDED ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

A. L. Thornton  
WITNESS

STONE & WEBSTER ENG-CORP.  
OPERATOR

(Signed)

REPRÉSENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 1051-88-1

WELL SERIAL NO. 166651  
DATE WORK FINISHED (MM-DD-YY) 11-18-88

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

**NOTE:** This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 35 Twp. 17N Rge. 8W

Operator STONE & WEBSTER CODE 64-34 Well Name DEE GOAT FOREST Well No. 1

Total Depth 93.51 Condition of Well ABANDONED WATER SUPPLY

WELL N.F.A.

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	44.57"	93.51	37.75'	5 AND 5/5X	HORTON DEG. CO.
302		37.75'	3'	3	WESTERN
303					
304					

Mud Record: Weight \_\_\_\_\_

Viscosity \_\_\_\_\_

Remarks: PUT 3' BELOW GROUND LEVEL! 4 1/2" PLATE  
WELDED ON TOP..

This work was done according to the Rules and Regulations of the Office of Conservation.

A. P. Thorne  
WITNESS

STONE & WEBSTER ENG-CORP.  
OPERATOR

(Signed)

Richard K. Jones  
REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 1056-88-1

WELL SERIAL NO. 166669  
DATE WORK FINISHED (MM-DD-YY) 11-30-78

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 5 Twp. 17 Range 5W

Operator STONE & WEBSTER 6424 Well Name DOE CONT. FESTINA Well No. 21  
ENR-CORP-

Total Depth 1569 Condition of Well OBSERVATION WELL

HOLE CLEARED TO BOTTOM, SOUNDED BY OTIS FISHING

CHECK APPROPRIATE BOX:

29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301	20"	300 FEET	11	1569	9 SAND	HORTON ENR-CORP
302	12 3/4 SUR.	11	14-4'	3'	158	WESTERN
303	6 5/8 659	11	95'	3'	30	WESTERN
304	4 1/2 LINER	11	15 1/2'	3'	9	WESTERN

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: 95' 3' BETWEEN 6 5/8 & 12 3/4 - 15 1/2' - 3' BETWEEN 12 3/4 & 20" CUT 3' BELOW GR-LEVEL 7 1/2 PLATE WELDED ON TOP  
This work was done according to the Rules and Regulations of the Office of Conservation.

R.L. Thompson  
WITNESS

STONE & WEBSTER ENR-CORP-  
OPERATOR

(Signed)

Richard Keene  
REPRESENTATIVE

PLUG AND ABANDON REPORT  
FORM P & A

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 1055-88-1

WELL SERIAL NO. 166667  
DATE WORK FINISHED (MM-DD-YY) 11-30-88

SHREVEPORT DISTRICT  
(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 5 Twp. 17A Range. 5W  
Operator STONE WEBSTER ENG. CORP. Well Name DOE FOREST Well No. 6478  
Total Depth 1052' Condition of Well OBSERVATION WELL

HOLE CLEANED-OTIS SCOUNDED BOTTOM - 11 FEET

CHECK APPROPRIATE BOX:

29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

Casing Size	Amount Pulled	CEMENT PLUGS			
		From	To	Sacks	How Placed
301	6 5/8	NONE	1052	932	11-SAND HORTON'S DRIGCO
302			932'	3'	89 WESTERAI
303	20" condenser		35'	35	11
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: 42 BBL's OF BRINE REMOVED FROM WELL MANIFEST 104657  
CUT 3' BELOW GR-LEVEL 1/2" PLATE WELDED ON TOP  
This work was done according to the Rules and Regulations of the Office of Conservation.

R. S. Thibaut  
WITNESS

STONE WEBSTER ENG. CORP.  
OPERATOR

(Signed) Richard Francis  
REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 1058-88-1

WELL SERIAL NO. 166670  
DATE WORK FINISHED (MM-DD-YY) 11-30-88

SHREVEPORT DISTRICT  
(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 3 Twp. 17N Rge. 5W  
Operator STONET & WEBSTER Well Name DOE CONT. FOREST IND Well No. 1  
ENG-595 595 CODE

Total Depth 595 Condition of Well OPERATION WELL - WATER

WELL FOR RIG SUPPLY - HOLE CLEANED - N-FRI.

CHECK APPROPRIATE BOX:

29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	6 1/2	NONE	595'	464'	12 SAND HORTON 01960
302	4 1/2	NONE	464'	3'	50 WESTERN
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: SCREEN FILLED w/SAND CEMENT TO SURFACE  
CUT 3' below GR. LEVEL w/ 1/2" PLATE WELDED ON TOP  
This work was done according to the Rules and Regulations of the Office of Conservation.

A. L. Thibaut  
WITNESS

STONET & WEBSTER ENG-  
OPERATOR

(Signed)

REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 1647-88-1

WELL SERIAL NO. 165157  
DATE WORK FINISHED (MM-DD-YY) 11-21-23

SHERIFF'S DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 12 Twp. 15N Rge. 10W

Operator STONE & WEBSTER CODE 6424 Well Name DE SCAFF FOREST IND. Well No. 1

Total Depth 2400 Condition of Well ABANDONED OBSERVATION  
WELL N-F-N-

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	6 5/8"	NONE	2400'	3'	236
302					
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: CUT 3' BELOW GROUND LEVEL 4 1/2" PLATE  
WELDED ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

P. F. Thomas  
WITNESS

STONE & WEBSTER ENG-SURR  
OPERATOR

(Signed)

James F. Tracy  
REPRESENTATIVE

**PLUG AND ABANDON REPORT  
FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 10140-88-1 WELL SERIAL NO. 1681579  
DATE WORK FINISHED (MM-DD-YY) 11-21-88

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Wildcat Parish Pineville Sec. 12 Twp. 15N Range. 15W  
Operator STONE & WEBSTER INC. Well Name ICE COUNTRY Ind. LH Well No. 17B  
Total Depth 1377' Condition of Well observation well N.F.N.

hole clean to bottom - scoured by otis rig -

CHECK APPROPRIATE BOX:

29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	<u>6 5/8</u>	<u>None</u>	<u>1377'</u>	<u>1298'</u>	<u>7 sand</u> <u>HEXTON LIM CO</u>
302	<u>4 1/2</u>	<u>None</u>	<u>1298'</u>	<u>3'</u>	<u>145</u> <u>WESTERN</u>
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: CUT 3' BELOW GROUND LEVEL 4 1/2" PLATE  
WELDED ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

A. F. T. Inc.  
WITNESS

STONE & WEBSTER INC.  
OPERATOR

Richard T. Evans  
(Signed) REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT

WORK PERMIT NO. 2118-38-1

WELL SERIAL NO. 157684  
DATE WORK FINISHED (MM-DD-YY) 12-1-78

SHREVEPORT DISTRICT  
(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field DENNILLE Parish BIENVILLE Sec. 31 Twp. 15N Rge. 5W

Operator U.S. DEPT. OF ENERGY <sup>CODE</sup> 16424 Well Name OCF CONTINENTAL Well No. 1

Total Depth 5013 Condition of Well ENDED OBSERVATION

WELL - WELL DRILLED TO 5013 SET 650 T3 424

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	<u>558 40'</u>	<u>1' ONE</u>	<u>340</u>	<u>478</u>	<u>50</u>
302			<u>340</u>	<u>3</u>	<u>107</u>
303					
304					

Mud Record: Weight 11/10 Viscosity N/A

Remarks: FOTTOM PLUG 50' OUT + 50' IN - CUT 3' below  
GROUND LEVEL w/ 1/2" PLATE WELDED ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

A. F. [Signature]  
WITNESS

STONEY & WEBSTER E119-CORR  
OPERATOR

Richard J. Ranch  
(Signed) REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 1057-88-1

WELL SERIAL NO. 166673  
DATE WORK FINISHED (MM-DD-YY) 11-21-88

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field WILDCAT Parish BIENVILLE Sec. 1 Twp. 12 Rge. 15 1/2  
Operator STONE & WEBSTER ENG Well Name DOE CONT FOREST Well No. 17WS

Total Depth 437' Condition of Well observation well

HOLE CLEARED TO BOTTOM SOUNDED BY OTIS ENG

CHECK APPROPRIATE BOX:

29 DRY HOLE  
 30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301	6 5/8	11	437	287	15 SACK HORTON DRY CO.
302	4 1/2"	11	287	3	WESTERN
303					
304					

Mud Record: Weight \_\_\_\_\_ Viscosity \_\_\_\_\_

Remarks: SUT 3' BELOW GROUND LEVEL w/ 1/2" PLATE  
WELDED ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

R. F. [Signature]  
WITNESS

STONE & WEBSTER ENG-  
OPERATOR

Richard J. [Signature]  
(Signed) REPRESENTATIVE

**PLUG AND ABANDON REPORT**  
**FORM P & A**

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
**PLUG AND ABANDON REPORT**

WORK PERMIT NO. 2117-88-1

WELL SERIAL NO. 157091  
DATE WORK FINISHED (MM-DD-YY) 11-20-85

SHREVEPORT DISTRICT

(Three Copies to be Filed with the District Office)

**NOTE:** This Report Will Be Returned If Not Properly Completed And Signed.

Field 146-15-1 Parish 146-15-1 Sec. 16 Twp. 14 Rge. 3

Operator STONE & WEBSTER 6424 Well Name DOE SMITHETAL Well No. 1

Total Depth 5043 Condition of Well Abandon OBSERVATION WELL

WELL DRILLED TO 5043 SET CSG TO 972'

CHECK APPROPRIATE BOX:

29 DRY HOLE

30 FORMERLY PRODUCTIVE WELL

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
		FROM	TO	SACKS	HOW PLACED
301 <u>978</u>	<u>1000</u>	<u>843</u>	<u>1222</u>	<u>55</u>	<u>WESTERN</u>
302		<u>843</u>	<u>3</u>	<u>257</u>	<u>WESTERN</u>
303					
304					

Mud Record: Weight N/A Viscosity N/A

Remarks: BOTTEN PLUG 50' OUT AND 50' IN CSG- CUT  
3' BELOW GROUND LEVEL w/ 1/2 PLATE WELDED ON TOP

This work was done according to the Rules and Regulations of the Office of Conservation.

PL  
John  
WITNESS

STONE & WEBSTER ENGR-CCP  
OPERATOR

(Signed)

REPRESENTATIVE

OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT



FIELD	
WILDCAT 9715	
SERIAL NO 165974	
PRODUCING INTERVAL 1662.43' to 1794.87'	
RESERVOIR (COMPANY BAND IDENTIFICATION) NACOTOCH	

Three typewritten copies of the report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		<input checked="" type="checkbox"/> 31 INACTIVE DRY HOLE PUT UTIL. <input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT. UTIL. <input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE <input checked="" type="checkbox"/> 37 INACTIVE WAITING ON MARKET		PRODUCT	<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER		IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR		DATE COMP. RECOMP. 09/27/88 OR PBA M.D.Y
OPERATOR Stone & Webster Engineering Corp.		CODE	6424	ADDRESS	P.O. Box 2325, Boston, MA 02107				
WELL NAME DOE - LA. Power & Light LH-2A						WELL NO 1			
PARISH Webster 060		SEC. 3	TWP 18N	RCG. 10W	DATE PERMIT ISSUED 06/27/88				
DATE SPUDDED M.D.Y	DATE READY TO PRODUCE Only	TOTAL DEPTH 1850 Ft.			PSTD. No Plug Back				
GROUND ELEVATION 199.57 Ft.		CASING NEAR FLANGE ELEVATION 201.27 Ft.			DISTANCE FROM RKB TO CHP 10.3 Ft.				
DATE WELL TURNED INTO TANKS Observation Well Only		SINGLE, DUAL OR TRIPLE COMPLETION Single			NOTE: IF THIS IS A MULTIPLE COMPLETION, PURCHASE A SEPARATE REPORT FOR EACH COMPLETION				
WAS WELL DIRECTIONALLY DRILLED? No		WAS DIRECTIONAL SURVEY MADE? No			WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? N/A		DATE FILED N/A		
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION) None					DATE FILED N/A				

CASING, LINER AND TUBING RECORD

①	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
	FROM	TO							
101									
102									
103									
104									
105									

② TUBING SIZE      ③ DEPTH OF TUBING      ④ DEPTH OF PACKER(S):

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION BOPD	GAS VOLUME MCF/DAY	GOR CF/BBL	CHoke Size 1/8"	PRODUCING METHOD
FLOWING TUBING PRESSURE PSIG	SHUT-IN TUBING PRESSURE PSIG	CASING PRESSURE	WATER PRODUCTION	PSI
GRAVITY API 40.0°F	SGP (SHUT-IN)	COMPANY REPRESENTATIVE		DATE CAUSED
	SGP			

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
6 5/8"	0	Surface	1652.13	205	Pump Down	9/23/88	Peter Colvin
4 1/2" riser	0	Sand Plug					O.C. Representative
4 1/2" screen	0	1652.13 to			Tremie	9/21/88	
4 1/2" Tail pipe	0	1795.88					

CERTIFICATE: I, the undersigned, state: That I am employed by **Stone & Webster Eng. Corp.** and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and accurate to the best of my knowledge.

Signature: C. Alan Post Title: Supervisor-Geologist

\*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1050-88-1	9/21/88	Southwestern Laboratories	Tremie sand into screened section of well from 1652.13' to 1795.88'
1050-88-1	9/22/88	Southwestern Laboratories	Cement plug in 6 5/8" casing 1652.13' to surface. Pump down method. 205 sacks. Slurry wgt. 13.1 to 13.3 lbs/gal.
1050-88-1	9/27/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: See attached SWEC plugging report (Attachment 8 PTP 1-18-1) and borehole completion sketch (Attachment 6 PTP 1-18-1)

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT



FIELD	
WILDCAT 9715	
SERIAL NO	
165975	
PRODUCING INTERVAL	
658.64 to 740.00	
RESERVOIR (COMPANY NAME IDENTIFICATION)	
WILCOX	

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		31 INACTIVE DRY HOLE PUT UTIL. 32 INACTIVE DRY HOLE NO PUT UTIL. 33 INACTIVE WAITING ON PIPELINE 37 INACTIVE WAITING ON MARKET	PRODUCT OIL GAS X OTHER	IF RECOMPLETION SAME RESERVOIR DIFFERENT RESERVOIR	DATE COMP. RECOMP. OR P.D. X M.D.T 09/27/88
OPERATOR Stone & Webster Engineering Corporation		CODE 6424	ADDRESS P.O. Box 2325, Boston, MA 02107		
WELL NAME D. E. - LA. POWER & LIGHT LH-2B			WELL NO 1		
PARISH Webster 060		SEC. 3 Twp 18N Range 10W	DATE PERMIT ISSUED 06/27/88		
DATE SPUNNED X M.D.T	DATE READY TO PRODUCE Observation Well Only	TOTAL DEPTH 751.89			PBTB No Plug Back
GROUND ELEVATION 198.90 Ft.		CASING HEAD FLANGE ELEVATION 200.11 Ft.			DISTANCE FROM RBS TO CHF 10.79 Ft.
DATE WELL TURNED INTO TANKS Observation Well Only		SINGLE, DUAL OR TRIPLE COMPLETION Single			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
WAS WELL DIRECTIONALLY DRILLED No	GAS DIRECTIONAL SURVEY MADE No		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION N/A		DATE FILED N/A
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)			DATE FILED		

CASING, LINER AND TUBING RECORD

Casing Size	Hole Size	Casing Weight	Depth Set		Sacks Cement	Test Pressure	Hours Under Pressure	Date Tested (MM DD YY)	Name of Test Witness - State if Conservation Agent or Offset Operator
			From	To					
101									
102									
103									
104									
105									

TUBING SIZE: DEPTH OF TUBING: DEPTH OF PACKER(S):

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION BOPPS		GAS VOLUME MOP/BAY		GOR CP/BBL	CHORE SIZE 1/8"	PRODUCING METHOD
FLOWING TUBING PRESSURE PSIG		SHUT-IN TUBING PRESSURE PSIG		CASING PRESSURE PSIG		WATER PRODUCTION BPSW BPD
GRAVITY API 40.0°F		SHP (SHUT-IN) PSIG		COMPANY REPRESENTATIVE PSIG		DATE GAUGED

PLUG AND ABANDON (P & A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
6 5/8" O.D. 0	Surface	655'				09/11/88	Peter Colvin
4 1/2" Riser 0	595.9'	658.64'	97	Pump Down	to	O.C. Representative	
4 1/2" Green 0	658.64'	740'				09/13/88	
4 1/2" Tail Pipe 0	740'	744.05'					

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Eng. Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: Alan F. Stoy

Title: Supervisor-Geologist

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1049-88-1	09/11/88	Southwestern Laboratories	Cement plug in 6 5/8" casing 745.3' to 72.08'. Pump down method. 78 sacks, slurry wgt. 13.3 lbs/gal. Tubing stuck in hole.
1049-88-1	09/13/88	Southwestern Laboratories	Cemented 2 3/8" tubing in hole from 73' to 737' through 1" pipe placed at depth of 737' inside tubing. Cemented remainder of 6 5/8" casing from surface to 72.08'. Pump down method. 19 sacks, slurry wgt. 12.6 - 13.1 lbs/gal.
1049-88-1	09/27/88	Southwestern Laboratories	Excavated around well. Cut casing at 3ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: For more detail on P & A see attached SWEC Plugging Report and Borehole Completion Sketch.

List below all important Paleontological or Geological Formation tops, Cap Rock and Soft Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <b>OFFICE OF CONSERVATION</b> <small>WELL HISTORY AND WORK RESUME REPORT</small>		<b>FIELD</b> <b>WILDCAT 9715</b> <b>SERIAL NO</b> <b>165973</b> <b>PRODUCING INTERVAL</b> <b>61.26 to 134.03 ft.</b> <b>RESERVOIR (COMPANY, SAND IDENTIFICATION)</b> <b>SPARTA</b>			
<p>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</p>					
<b>LEASE AND WELL DATA</b>					
<b>CHECK APPROPRIATE BOXES</b> <input type="checkbox"/> NEW WELL <input checked="" type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P & A		<input type="checkbox"/> 31. INACTIVE DRY HOLE PUT UTIL <input type="checkbox"/> 32. INACTIVE DRY HOLE NO PUT UTIL <input type="checkbox"/> 33. INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37. INACTIVE WAITING ON MARKET	<b>PRODUCT</b> <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	<b>IF RECOMPLETION</b> <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	<b>DATE COMP. RECOMP.</b> <input type="checkbox"/> 08/28 <input checked="" type="checkbox"/> 9/15/88
<b>OPERATOR</b> <b>Stone &amp; Webster Engineering Corporation</b>		<b>CODE</b> <input checked="" type="checkbox"/> 6424	<b>ADDRESS</b> <b>P.O. Box 2325</b> <b>Boston, MA 02107</b>		
<b>WELL NAME</b> <b>DOE-LA. Power &amp; Light LH-2WS</b>				<b>WELL NO</b> <b>1</b>	
<b>PARISH</b> <b>Webster 060</b>		<b>SEC</b> 3 <b>TWP</b> 18N <b>RNG</b> 10W	<b>DATE PERMIT ISSUED</b> <b>06/27/88</b>		
<b>DATE SPUGGED</b> <input checked="" type="checkbox"/> M D Y	<b>DATE READY TO PRODUCE*</b> <b>Observation Well Only</b>	<b>TOTAL DEPTH</b> <b>420 ft.</b>	<b>DEPTH</b> <b>168.60 ft.</b>		
<b>GROUND ELEVATION</b> <b>197.76 ft.</b>		<b>CASING HEAD FLANGE ELEVATION</b> <b>199.76 ft. (wo cap)</b>	<b>DISTANCE FROM RKB TO CHF</b> <b>2.0 ft.</b>		
<b>DATE WELL TURNED INTO TANKS</b> <b>Observation well only</b>		<b>SINGLE, DUAL OR TRIPLE COMPLETION</b> <b>single</b>	<b>NOTE</b> : IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION		
<b>WAS WELL DIRECTIONALLY DRILLED?</b> <input type="checkbox"/> NO	<b>WAS DIRECTIONAL SURVEY MADE?</b> <input type="checkbox"/> NO	<b>WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?</b> <input type="checkbox"/> N/A	<b>DATE FILED</b> <b>N/A</b>		
<b>TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)</b> <b>Gravel Pack Log</b>				<b>DATE FILED</b>	
<b>CASING, LINER AND TUBING RECORD</b>					
<b>CASING SIZE</b> <input type="checkbox"/> 10' <input type="checkbox"/> 10 1/2' <input type="checkbox"/> 11' <input type="checkbox"/> 11 1/2' <input type="checkbox"/> 12' <input type="checkbox"/> 12 1/2' <input type="checkbox"/> 13' <input type="checkbox"/> 13 1/2' <input type="checkbox"/> 14' <input type="checkbox"/> 14 1/2' <input type="checkbox"/> 15' <input type="checkbox"/> 15 1/2' <input type="checkbox"/> 16' <input type="checkbox"/> 16 1/2' <input type="checkbox"/> 17' <input type="checkbox"/> 17 1/2' <input type="checkbox"/> 18' <input type="checkbox"/> 18 1/2' <input type="checkbox"/> 19' <input type="checkbox"/> 19 1/2' <input type="checkbox"/> 20' <input type="checkbox"/> 20 1/2' <input type="checkbox"/> 21' <input type="checkbox"/> 21 1/2' <input type="checkbox"/> 22' <input type="checkbox"/> 22 1/2' <input type="checkbox"/> 23' <input type="checkbox"/> 23 1/2' <input type="checkbox"/> 24' <input type="checkbox"/> 24 1/2' <input type="checkbox"/> 25' <input type="checkbox"/> 25 1/2' <input type="checkbox"/> 26' <input type="checkbox"/> 26 1/2' <input type="checkbox"/> 27' <input type="checkbox"/> 27 1/2' <input type="checkbox"/> 28' <input type="checkbox"/> 28 1/2' <input type="checkbox"/> 29' <input type="checkbox"/> 29 1/2' <input type="checkbox"/> 30' <input type="checkbox"/> 30 1/2' <input type="checkbox"/> 31' <input type="checkbox"/> 31 1/2' <input type="checkbox"/> 32' <input type="checkbox"/> 32 1/2' <input type="checkbox"/> 33' <input type="checkbox"/> 33 1/2' <input type="checkbox"/> 34' <input type="checkbox"/> 34 1/2' <input type="checkbox"/> 35' <input type="checkbox"/> 35 1/2' <input type="checkbox"/> 36' <input type="checkbox"/> 36 1/2' <input type="checkbox"/> 37' <input type="checkbox"/> 37 1/2' <input type="checkbox"/> 38' <input type="checkbox"/> 38 1/2' <input type="checkbox"/> 39' <input type="checkbox"/> 39 1/2' <input type="checkbox"/> 40' <input type="checkbox"/> 40 1/2' <input type="checkbox"/> 41' <input 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## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1048-88-1	9/15/88	Western Gearhart and Southwestern Laboratories	Set retainer at 59.83' (bottom) Squeeze 6 sacks of cement into screen section. Performed 20' to 50' and squeezed 42 sacks.
1048-88-1	9/16/88	Southwestern Laboratories	Drilled out squeeze to retainer, ran geophysical logs, and cement plug 4 sacks in 4.48" casing.
"	9/27/88	Southwestern Laboratories	Excavated around well Cap casing off at 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: For details on P&A see attached Stone & Webster Engineering Corporation Plugging Report and Bore Hole Completion Sketch.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <b>OFFICE OF CONSERVATION</b> <small>WELL HISTORY AND WORK RESUME REPORT</small>		<b>FIELD</b> <b>Vacherie Salt Dome</b> <b>SERIAL NO</b> <b>166668</b> <b>PRODUCING INTERVAL</b> <b>32.00 to 93.51</b> <b>RESERVOIR (COMPANY NAME IDENTIFICATION)</b> <b>Sparta</b>								
<small>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</small>										
<b>LEASE AND WELL DATA</b>										
<b>CHECK APPROPRIATE BOXES</b> <input type="checkbox"/> NEW WELL <input type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P & A		<input type="checkbox"/> 31 INACTIVE DRY HOLE PUT UTIL. <input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL <input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37 INACTIVE WAITING ON MARKET		<b>PRODUCT</b> <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	<b>IF RECOMPLETION</b> <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	<b>DATE COMP. RECOMP.</b> <input type="checkbox"/> 30 P & A <input checked="" type="checkbox"/> M & T <b>11/15/88</b>				
<b>OPERATOR</b> <b>Stone &amp; Webster Eng. Corp.</b>		<b>CODE</b> <input checked="" type="checkbox"/> 6424	<b>ADDRESS</b> <b>P.O. Box 2325, Boston, MA 02107</b>							
<b>WELL NAME</b> <b>DOE/KCI Hodge Holdings Inc. LVH-6WS</b> <small>Formerly DOE/Continental Forest Industries/LVH-6WS</small>				<b>WELL NO</b> <b>No. 1</b>						
<b>PARISH</b> <b>Bienville</b>		<b>SEC.</b> 35 <b>TWP.</b> 17N <b>RGE.</b> 8W			<b>DATE PERMIT ISSUED</b> <b>8/26/88</b>					
<b>DATE SPUNNED</b> <input checked="" type="checkbox"/> M & T	<b>DATE READY TO PRODUCE*</b>	<b>TOTAL DEPTH</b>		<b>POTO</b>						
<b>GROUND ELEVATION</b>		<b>CASING HEAD FLANGE ELEVATION</b>		<b>DISTANCE FROM RHO TO CHP</b>						
<b>DATE WELL TURNED INTO TANKS</b>		<b>SINGLE, DUAL OR TRIPLE COMPLETION?</b>		<small>NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION</small>						
<b>WAS WELL DIRECTIONALLY DRILLED?</b>		<b>WAS DIRECTIONAL SURVEY MADE?</b>		<b>WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?</b>		<b>DATE FILED</b>				
<b>TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)</b>				<b>DATE FILED</b>						
<b>CASING, LINER AND TUBING RECORDS</b>										
<input checked="" type="checkbox"/>	<b>CASING SIZE</b>	<b>HOLE SIZE</b>	<b>CASING WEIGHT</b>	<b>DEPTH SET</b> <b>FROM</b> <b>TO</b>	<b>SACKS CEMENT</b>	<b>TEST PRESSURE</b>	<b>HOURLY UNDER PRESSURE</b>	<b>DATE TESTED (MM DD YY)</b>	<b>NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR</b>	
	101									
	102									
	103									
	104									
	105									
<b>TUBING SIZE</b>		<b>DEPTH OF TUBING</b>		<b>DEPTH OF PACKER(S)</b>						
<b>INITIAL COMPLETION OR RE-COMPLETION DATA</b>										
<b>INITIAL PRODUCTION</b> <small>BBPS</small>		<b>GAS VOLUME</b> <small>MMCF/DAY</small>		<b>GOR</b> <small>CF/BB</small>		<b>CHOKES SIZE</b> <small>1/8"</small>	<b>PRODUCING METHOD</b> <small>BBW</small>			
<b>FLOWING TUBING PRESSURE</b> <small>PSIG</small>		<b>SHUT-IN TUBING PRESSURE</b> <small>PSIG</small>		<b>CASING PRESSURE</b>		<b>WATER PRODUCTION</b> <small>PSIG</small>				
<b>GRAVITY</b> <small>API 50.0°F</small>		<b>SHP (SHUT-IN)</b> <small>PSIG</small>		<b>COMPANY REPRESENTATIVE</b>		<b>DATE CAUGED</b>				
<b>PLUG AND ABANDON (P &amp; A) DATA</b>										
<b>CASING SIZE</b>	<b>AMOUNT PULLED</b>	<b>CEMENT PLUGS</b> <b>FROM</b> <b>TO</b> <b>SACKS</b> <b>HOW PLACED</b>				<b>DATE WORK PERFORMED</b>	<b>NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR</b>			
		Screen	None	93.51	37.75		Sand 5	Tremie	Al Thornton OC	
		Screen	None	37.75	Surface		3	Pump Down		
4 1/2 in.										
<b>CERTIFICATE:</b> I, the undersigned, state: That I am employed by <u>Stone &amp; Webster Eng. Corp.</u> and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.										
<small>Signature: <u>C. Alan Easton</u></small>								<small>Title: Supervisor-Geologist</small>		
<small>*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.</small>										

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1051-88-1	10-22-88	Southwestern Laboratories	Tremie sand into screen section of well from 93.51 to 37.75 ft. 5 sacks.
	10-22-88	Western for Southwestern Laboratories	Cement Plug in 4 1/2 in. screen and casing from 37.75 ft. to ground surface. Pump down method. 3 sacks Class A cement with 8% bentonite, slurry weight 13.2 lb/gal.
	11-15-88	Southwestern Laboratories	Excavated around well. Cut casing 4.5 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.
<u>NOTE:</u>		See Attached SWEC Plugging Report (Attachment 8 PTP- 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1)	

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT

FIELD		Vacherie Salt Dome
SERIAL NO		168162
PRODUCING INTERVAL		908.96 to 970.00
RESERVOIR (COMPANY NAME IDENTIFICATION)		Lower Wilcox

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		31 INACTIVE DRY HOLE FUT. UTIL	PRODUCT	1P RECOMPLETION	DATE COMP. RECOM.
<input type="checkbox"/> NEW WELL		32 INACTIVE DRY HOLE NO FUT. UTIL	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	OR P&G
<input type="checkbox"/> RECOMPLETION		33 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR	M&V
<input checked="" type="checkbox"/> P&G		37 INACTIVE WAITING ON MARKET	<input type="checkbox"/> OTHER		11/16/88
OPERATOR		CODE	ADDRESS		
Stone & Webster Engineering Corp.		6424	P.O. Box 2325 Boston, MA 02107	ATTN: C. A. Foster	
WELL NAME		WELL NO			
DOE/KCI Hedge Holdings, Inc., LVH-6C Formerly DOE Continental Forest Industries LVH-6C					1
PARISH		SEC. 35	TWP 17N	RG. 8W	DATE PERMIT ISSUED
Bienville					8-26-88
DATE SPUDDED	DATE READY TO PRODUCE*	TOTAL DEPTH			POTO
<input checked="" type="radio"/> M O Y					
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION			DISTANCE FROM RIG TO CHF
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION?			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
WAS WELL DIRECTIONALLY DRILLED?		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?			DATE FILED
TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)					DATE FILED
Cement Bond Log, Gamma Ray, Neutron					Included with report

CASING, LINER AND TUBING RECORD

●	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SACCS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO					
101										
102										
103										
104										
105										

● TUBING SIZE      DEPTH OF TUBING      DEPTH OF Packer(s)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION BOPPS	GAS VOLUME MCF/DAY	GOR CP/BBL	CHG SIZE 100"	PRODUCING METHOD BOPPS
FLOWING TUBING PRESSURE PSIG	SHUT-IN TUBING PRESSURE PSIG	CASING PRESSURE PSIG	WATER PRODUCTION PSIG	
GRAVITY *API 60° F	SHP (SHUT-IN) PSIG	COMPANY REPRESENTATIVE None	DATE DRILLED 10-21-88	

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE DRILLED PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACCS	HOW PLACED		
6 5/8	None	868.6	113 Ft.	95	Pump Down	10-21-88	Al Thornton O.C.
6 5/8	"	113 Ft.	Surface	12	Pump Down	10-22-88	Al Thornton O.C.

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Eng. Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: C. Alan Foster

Title: Supervisor-Geologist

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1052-88-1	9-23-88	Gearheart	Set Elder Type C-1 bridge plug at 850 ft. and perforated 6 5/8 in. casing from 813 to 833 ft.
	9-23-88	Western	Squeezed 75 sks. of Class H neat cement.
	9-29-88	Gearheart	Ran Cement Bond Log with Gamma Ray and Casing Collar Locator.
	* 10-21-88	Western for Southwestern Laboratories	Cement plug in 6 5/8 in. casing from 868.6 ft. to 113 ft. Pump down method. 95 sacks Class A cement with 8% bentonite, slurry wgt. 13.2 lbs/gal.
	10/22/88	Western for Southwestern Laboratories	Top off cement in 6-5/8 in. casing from 113 ft. to surface. 12 sacks class A cement with 8% bentonite, slurry wgt. 13.2 lbs/gal.
	11/16/88	Southwestern Laboratories	Excavated around well. Cut casing at 4 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.
NOTE:			See Attached SWECs PLUGGING REPORT (Attachment 8, PTP 1-18-1), Borehole Completion Sketch (Attachment 6, PTP 1-18-1) and Perforating and Squeeze Cementing Report (Attachment 11, PTP 1-18-1).  * DOTD Granted Variance to Plug Above Obstruction.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION

WELL HISTORY AND WORK SCHEDULE REPORT

FIELD  
Vacherie Salt Dome  
SERIAL NO  
168161  
PRODUCING INTERVAL  
1831.18 to 1917.98  
RESERVOIR (COMPANY) SAND (IDENTIFICATION)  
NACATOH

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

#### LEADS AND WELL DATA

CHECK APPROPRIATE BOXES		<input checked="" type="checkbox"/>	51 INACTIVE DRY HOLE PUT UTIL	PRODUCT	IF RECOMPLETION	DATE COMP RECOM
<input type="checkbox"/>	NEW WELL	<input type="checkbox"/>	52 INACTIVE DRY HOLE NO PUT UTIL	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	OR P.O.A.
<input type="checkbox"/>	RECOMPLETION	<input type="checkbox"/>	53 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR	W.O.Y.
<input checked="" type="checkbox"/>	P.O.A.	<input type="checkbox"/>	57 INACTIVE WAITING ON MARKET	<input checked="" type="checkbox"/> OTHER		

OPERATOR <b>Stone &amp; Webster Eng. Corp.</b>	CODE <b>6424</b>	ADDRESS <b>P.O. Box 2325, Boston, MA 02107</b>
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SELL NAME DOE/KCI Hedge Holdings Inc. LVH-6B formerly  
DOE/Continental Forest Industries, LVH6B

PARISH <b>Bienville</b>	SEC 35	TWP 17N	RGE 8W	DATE PERMIT ISSUED <b>8/26/88</b>
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DATE SPUGGED	DATE READY TO PRODUCE*	TOTAL DEPTH	PETS
● 4 0 7			

GROUND ELEVATION	CASING HEAD FLANGE ELEVATION	DISTANCE FROM REB TO CHF
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DATE WELL TURNED INTO TANKS      SINGLE, DUAL OR TRIPLE COMPLETION?      **NOTE:** IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY  
DRILLED? WAS DIRECTIONAL SURVEY MADE? WERE 3 COPIES FILED WITH THE  
OFFICE OF CONSERVATION? DATE FILED

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)  CBL DATE FILED  Included with this report.

**CASING, LINER AND TUBING RECORD**

WILFRED GORDON, 70, OF 3339 53RD AVENUE, PASCO, WAS KILLED

INITIAL PRODUCTION      GAS VOLUME      GOR      CHORE SIZE      PRODUCING METHOD

SGPS	SGP/PSI	SGP/PSI	SGP/PSI	SGP/PSI
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SGP/PSI

2010 0000 COMPANY REPRESENTATIVE DATE CAUSED  
GRAVITY SHP (SHUT-IN)

SALES AND ASSESSMENT (R&AI) DATA

PLUG AND REOPEN IF NECESSARY							
CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE CONSERVATION AGENT OR OFFICE OPERATOR
		FROM	TO	SACBS	HOW PLACED		
6 5/8 in	None	1786.1 ft	3 ft.	244	Pump Down	10/26/88	Al Thornton O.C.

CERTIFICATE I, the undersigned, state: That I am employed by Stone & Webster Eng. Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, accurate and complete to the best of my knowledge.

\* Data well is equipped to produce, but due to no available market, no pipe line connection, etc. the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1053-88-1	9-27-88	Gearhart Industries	Set Elder Type C-1 Bridge Plug at 1020 ft. Perforated from 980 to 1000 ft. with "stick jet".
	10-11-88	Western	Set top squeeze packer at 905 ft. and squeezed 75 sacks Class H cement. Slurry weight 15.6 lb/gal.
	10-13-88	Gearhart Industries	Ran Cement Bond Log with Gamma Ray and Casing Collar Locator. Perforated from 949 to 960 ft. with "stick jet".
	10-13-88	Western	Set top squeeze packer at 715 ft. and squeezed 75 sacks Class H cement. Slurry weight 16.6 lb/gal.
	10-15-88	Gearhart Industries	Ran Cement Bond Log with Gamma Ray and Casing Collar Locator.
*	10-26-88	Western for Southwestern Laboratories	Cement plug in 6 5/8 in. casing from 1786.1 ft. to ground surface. Pump Down Method. 244 sacks Class A cement with 8% bentonite, slurry weight 13.2 lb./gal. Pool co. hauled 60 BBls. of displaced brine to Fissatt No. 1 injection well for disposal.
	11-17-88	Southwestern Laboratories	Excavated around well. Cut casing 4 ft. below ground surface, welded steel cap on casing. Backfilled excavation.
<u>NOTE:</u> See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).			
* DOTD Granted Variance to Plug Above Obstruction.			

List below all important Paleofaunal or Geological Formation tops, Cap Rocks and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <p><b>OFFICE OF CONSERVATION</b> WELL HISTORY AND WORK RESUME REPORT</p>		<p><b>FIELD</b> <b>Vacherie - Salt Dome</b></p> <p><b>SERIAL NO</b> <b>168160</b></p> <p><b>PRODUCING INTERVAL</b> <b>2537.23 to 2696.98</b></p> <p><b>RESERVOIR (COMPANY BAND IDENTIFICATION)</b> <b>Austin</b></p>																																																															
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<p>CHECK APPROPRIATE BOXES</p> <p><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P &amp; A</p>		<p><input type="checkbox"/> 31 INACTIVE DRY HOLE PUT UTIL. <input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL. <input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37 INACTIVE WAITING ON MARKET</p>	<p>PRODUCT <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER</p> <p>IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR</p>																																																														
		<p>DATE COMP RECOMP 08/08 M D Y</p> <p>11/18/88</p>																																																															
<p>OPERATOR <b>Stone &amp; Webster Eng. Corp.</b></p>		<p>CODE <b>6424</b></p>	<p>ADDRESS <b>P.O. Box 2325 Boston, MA 02107</b> ATTN: <b>C.A. Foster</b></p>																																																														
<p>WELL NAME <b>DOE - KCI Hodge Holdings LVH-6A</b> Formerly <b>DOE Continental Forest Industries LVH6A</b></p>		<p>WELL NO <b>No.1</b></p>																																																															
<p>PARISH <b>Bienville</b></p>		<p>SEC. <b>35</b> TWP <b>17N</b> R.R. <b>8W</b></p>	<p>DATE PERMIT ISSUED <b>8/26/88</b></p>																																																														
<p>DATE SPUDDED <b>M D Y</b></p>	<p>DATE READY TO PRODUCE*</p>	<p>TOTAL DEPTH</p>																																																															
		<p>PSTD.</p>																																																															
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<p><b>Cement Bond Log</b></p>		<p>Included with this report.</p>																																																															
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<p>Signature: <i>Al Thornton</i></p>																																																																	
				<p>Title: <b>Supervisor-Geologist</b></p>																																																													

\*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1054-88-1	9-27-88	Gearhart Industries	Set Elder Type C-1 Bridge Plug at 1020 Ft. Perforated from 985 - 1005 Ft. with "Stick-Jet".
	9-27-88	Western	Squeezed 75 sack Class H neat cement, slurry weight 15.4 lb/gal.
	9-29-88	Gearhart Industries	Ran Cement Bond Log with Gamma Ray and Casing Collar Locator Perforated from 952.5 to 964 ft. with "Stick Jet".
	9-30-88	Western	Squeezed 75 sacks Class H neat cement.
	10-7-88	Gearhart Industries	Ran Cement Bond Log with Gamma Ray and Casing Collar Locator.
*	10-21-88	Western for Southwestern Laboratories	Cement Plug in 6 5/8 in. casing from 2505 to 1348.6 ft Pump down method. 162.5 sacks, Class A cement with 8% bentonite, slurry weight 13.2 lb/gal.
	10-23-88	Western for Southwestern Laboratories	Cement Plug in 6 5/8 in. casing from 1348.6 to 138.3 ft. pump down method. 155 sacks, Class A cement with 8% bentonite, slurry weight 13.2 lb/gal.
	10-24-88	Western for Southwestern Laboratories	Cement Plug in 6 5/8 in. casing from 138.3 to 3 ft. Pump down method. 17 sacks, Class A cement with 8% bentonite, slurry weight 13.2 lb/gal.
	10-21-88 to 10-23-88	Pool Co.	Hauled 185 BBls. of displaced brine to Fissette #1 injection well for disposal. Plugged annulus between casings.
	11-18-88	Southwestern Laboratories	Excavated around well. Cut casing 4 ft. below ground surface, welded steel cap on casing. Backfilled excavation.
<u>NOTE:</u>		See attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1)	
* DOTD Granted Variance to Plug Above Obstruction.			

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <p>OFFICE OF CONSERVATION WELL HISTORY AND WORK RESUME REPORT</p>		FIELD Wildcat					
		<input checked="" type="checkbox"/> SERIAL NO 166670 PRODUCING INTERVAL 476.95 to 589.80 (includes 29.9' Blank Sec.) RESERVOIR (COMPANY SAND IDENTIFICATION) Sparta					
<p>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</p>							
<p>LEASE AND WELL DATA</p>							
CHECK APPROPRIATE BOXES <input type="checkbox"/> NEW WELL <input type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P & A		31 INACTIVE DRY HOLE PUT UTIL. 32 INACTIVE DRY HOLE NO PUT UTIL. 33 INACTIVE WAITING ON PIPELINE 37 INACTIVE WAITING ON MARKET	PRODUCT <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	DATE COMP/RECOMP <input checked="" type="checkbox"/> OR P&A <input type="checkbox"/> M & T 11/30/88		
OPERATOR Stone & Webster Engineering Corp.		CODE <input checked="" type="checkbox"/> 6424	ADDRESS P.O. Box 2325, Boston, MA 02107				
WELL NAME KCI Hodge Holdings LH-7WS (Formerly DOE Continental F.I., LH-7WS)			WELL NO No. 1				
PARISH Bienville		SEC. 8	TWP 17N	RS. 5W	DATE PERMIT ISSUED 8/29/88		
DATE SPUDDED <input checked="" type="checkbox"/> M & T	DATE READY TO PRODUCE*	TOTAL DEPTH			POTO		
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION			DISTANCE FROM RKB TO CHF		
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION?			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION		
WAS WELL DIRECTIONALLY DRILLED?		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?			DATE FILED		
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION) Listed on back.			DATE FILED Filed with this report.				
CASING, LINER AND TUBING RECORD							
<input checked="" type="checkbox"/> 101 102 103 104 .08	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT		
	FROM	TO			TEST PRESSURE		
TUBING SIZE		DEPTH OF TUBING		DEPTH OF PACKER(S)			
INITIAL COMPLETION OR RE-COMPLETION DATA							
INITIAL PRODUCTION		GAS VOLUME		GOR	CHIME SIZE		
BOPD		MCF/DAY		CF/BBL	/64"		
FLOWING TUBING PRESSURE		SHUT-IN TUBING PRESSURE		CASING PRESSURE			
BOPD		BOPD		WATER PRODUCTION			
GRAVITY		BHP (SHUT-IN)		COMPANY REPRESENTATIVE			
API 50.0°F		BOPD		DATE GAUGED			
PLUG AND ABANDON (P&A) DATA							
CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS-STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
6 5/8"	0	410.35'	3	47	Pump Down	9/22/88	A.L. Thornton
4 1/2" Riser	0	460.24	410.35'				O.C. Representative
4 1/2" Riser Pipe and Screen Section			12	Tremied Sand	9/21/88		
	0	589.8'	460.24				
CERTIFICATE: I, the undersigned, state: That I am employed by <u>Stone &amp; Webster Engineering Corp.</u> and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.						Signature: <u>John Foster</u> Title: Supervisor Geology	
*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.							

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1058-88-1	8/9/88	Gearhart Ind.	Ran Cement Bond Log, Gravel Pack Log, and Gamma Ray Log
1058-88-1	8/12/88	Gearhart Ind.	Ran Cement Bond Log, Gravel Pack Log, and Gamma Ray Log.
1058-88-1	9/21/88	Southwestern Laboratories	Tremied Sand into Riser Pipe and Screen Section from 589.8 to 460.24'. 12 Sacks.
1058-88-1	9/22/88	Western for Southwestern Laboratories	Cement Plug in 6 5/8" Casing from 410.35 to 3' and 4 1/2" Riser Pipe from 460.24' to 410.35'. Pump Down Method. 47 Sacks. Slurry wgt. 13.27 lbs/gal.
1058-88-1	11/30/88	Southwestern	Excavation Around Well Cut Casing Off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <b>OFFICE OF CONSERVATION</b> <small>WELL HISTORY AND WORK RESUME REPORT</small>		<b>FIELD</b> <b>Wild Cat</b> <b>SERIAL NO</b> <b>166667</b> <b>PRODUCING INTERVAL</b> <b>943.20 to 958.56 &amp; 975.56 to 1046.97</b> <b>RESERVOIR (COMPANY SAND IDENTIFICATION)</b> <b>Carizzo Sand</b>					
<small>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</small>							
<b>LEASE AND WELL DATA</b>							
<b>CHECK APPROPRIATE BOXES</b> <input type="checkbox"/> NEW WELL <input checked="" type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P.D.A.		<input checked="" type="checkbox"/> 31 INACTIVE DRY HOLE PUT UTIL <input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL. <input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37 INACTIVE WAITING ON MARKET		<b>PRODUCT</b> <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	<b>IF RECOMPLETION</b> <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	<b>DATE COMP. RECOMP</b> <input checked="" type="checkbox"/> ON P.D.A. <input type="checkbox"/> M.D.V.	
						11/30/88	
<b>OPERATOR</b> <b>Stone &amp; Webster Engineering Corp.</b>			<b>CODE</b> <b>6424</b>	<b>ADDRESS</b> <b>P.O. Box 2325, Boston, MA 02107</b>			
<b>WELL NAME</b> <b>KCI Hodge Holdings, Inc. LH-7B (Formerly DOE Continental F.I. LH-7B)</b>					<b>WELL NO</b> <b>No. 1</b>		
<b>PARISH</b> <b>Bienville 007</b>		<b>SEC.</b> <b>8</b>	<b>TWP</b> <b>17N</b>	<b>RUE.</b> <b>SW</b>	<b>DATE PERMIT ISSUED</b> <b>8/26/88</b>		
<b>DATE SPUNNED</b> <input checked="" type="checkbox"/> M.D.V.	<b>DATE READY TO PRODUCE*</b>	<b>TOTAL DEPTH</b>			<b>PSTD</b>		
<b>GROUND ELEVATION</b>		<b>CASING HEAD FLANGE ELEVATION</b>			<b>DISTANCE FROM RKS TO CHP</b>		
<b>DATE WELL TURNED INTO TANKS</b>		<b>SINGLE, DUAL OR TRIPLE COMPLETION</b>			<small>NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION</small>		
<b>WAS WELL DIRECTIONALLY DRILLED?</b>		<b>WAS DIRECTIONAL SURVEY MADE?</b>			<b>WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?</b>		<b>DATE FILED</b>
<b>TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)</b>					<b>DATE FILED</b>		
<b>CASING, LINER AND TUBING RECORDS</b>							
<b>CASING SIZE</b> <input checked="" type="checkbox"/> 10 1/2	<b>HOLE SIZE</b> <input type="checkbox"/> 10 1/2	<b>CASING WEIGHT</b> <input type="checkbox"/> 10 1/2	<b>DEPTH SET</b> <b>FROM</b> <b>TO</b>	<b>SACNS CEMENT</b> <input type="checkbox"/> 10 1/2	<b>TEST PRESSURE</b> <input type="checkbox"/> 10 1/2	<b>HOURS UNDER PRESSURE</b> <input type="checkbox"/> 10 1/2	<b>DATE TESTED (MM DD YY)</b> <input type="checkbox"/> 10 1/2
10 1/2							
10 1/2							
10 1/2							
10 1/2							
10 1/2							
<b>TUBING SIZE</b>		<b>DEPTH OF TUBING</b>			<b>DEPTH OF PACKER(S)</b>		
<b>INITIAL COMPLETION OR RE-COMPLETION DATA</b>							
<b>INITIAL PRODUCTION</b> <input type="checkbox"/> BOPD		<b>GAS VOLUME</b> <input type="checkbox"/> MCF/DAY		<b>GOR</b> <input type="checkbox"/> CP/BL	<b>CHOKE SIZE</b> <input type="checkbox"/> 1/8"	<b>PRODUCING METHOD</b> <input type="checkbox"/> BOPW	
<b>FLOWING TUBING PRESSURE</b> <input type="checkbox"/> BOP		<b>SHUT-IN TUBING PRESSURE</b> <input type="checkbox"/> BOP		<b>CASING PRESSURE</b> <input type="checkbox"/> BOP	<b>WATER PRODUCTION</b> <input type="checkbox"/> BOP	<b>DATE GAUGED</b> <input type="checkbox"/> BOP	
<b>GRAVITY</b> <input type="checkbox"/> API 50.0°F		<b>SHP (SHUT-IN)</b> <input type="checkbox"/> BOP		<b>COMPANY REPRESENTATIVE</b> <input type="checkbox"/> BOP			
<b>PLUG AND ABANDON (P&amp;A) DATA</b>							
<b>CASING SIZE</b> <input type="checkbox"/> 6 5/8"OD	<b>AMOUNT PULLED</b> <input type="checkbox"/> 0	<b>CEMENT PLUGS</b> <b>FROM</b> <b>TO</b> <input type="checkbox"/> Surface <input type="checkbox"/> 889.81			<b>DATE WORK PERFORMED</b> <input type="checkbox"/> 9/19/88	<b>NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR</b> <input type="checkbox"/> A.L. Thornton	
<input type="checkbox"/> 11" O.D.	<input type="checkbox"/> 0	<input type="checkbox"/> 889.81 <input type="checkbox"/> 932.0				<input type="checkbox"/> O.C. Representative	
<input type="checkbox"/> Riser Pipe & Screen Section		<input type="checkbox"/> 11	<input type="checkbox"/> Tremied Sand			<input type="checkbox"/> 9/18/88	
<input type="checkbox"/> 0	<input type="checkbox"/> 1046.97	<input type="checkbox"/> 932					
<b>CERTIFICATE</b> I, the undersigned, state: That I am employed by <u>Stone &amp; Webster Engineering Corp.</u> and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, accurate and complete to the best of my knowledge. Signature: <u>C. Alan Foster</u> Title: <u>Supervisory Geology</u>							
<small>*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.</small>							

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1055-88-1	9/18/88	Southwestern Laboratories	Tremied Sand into Riser Pipe and Screen Section 1046.97 to 932. 11 sacks.
1055-88-1	9/19/88	Western for Southwestern Laboratories	Cement Plug in 6 5/8" Casing from 889.81 to surface and 4 1/2" riser pipe from 932' to 889.81'. Pump down method w/89 sacks. Slurry wgt. 13.4 lbs/gal.
1055-88-1	9/19/88	Pool Co.	Disposed of 60 BBLS of brine at Fissette No. 1.
1055-88-1	9/19/88	Western for Southwestern Laboratories	Cement annulus between 6 5/8" O.D. and 19.50" ID casings. Depth 35.0' to surface. 35 sacks. Slurry wgt. 13.3 lb/gal.
1055-88-1	11/30/88	Southwestern Laboratories	Excavated around well. Cut casing off 3.0 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: See attached SWEC Plugging Report (Attachment 8, PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP- 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT



FIELD Wildcat	
● SERIAL NO. 166669	
PRODUCING INTERVAL 1480 to 1561.09 (Includes 20' Blank)	
RESERVOIR (COMPANY SAME IDENTIFICATION) Lower Wilcox	

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		● <input type="checkbox"/> 31 INACTIVE DRY HOLE PUT UTIL	PRODUCT	IF RECOMPLETION	DATE COMP. RECOMP.
		<input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	OR P&A
		<input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR	W.S.
		<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	<input checked="" type="checkbox"/> OTHER		11/30/88

OPERATOR Stone & Webster Eng. Corp.	CODE ● 6424	ADDRESS P.O. Box 2325, Boston, MA 02107
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WELL NAME KCI Hodge Holding LH-7A (Formerly DOE Continental F.I. LH-7A)	WELL NO. No. 1
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PARISH Bienville	SEC 5 Twp 17N R.R. 5W	DATE PERMIT ISSUED 8/26/88
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DATE SPUNDED ● M.O.T.	DATE READY TO PRODUCE*	TOTAL DEPTH	P.D.T.
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GROUND ELEVATION	CASING HEAD FLANGE ELEVATION	DISTANCE FROM R.R. TO C.H.F.
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DATE WELL TURNED INTO TANKS	SINGLE, DUAL OR TRIPLE COMPLETION?	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
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WAS WELL DIRECTIONALLY DRILLED?	WAS DIRECTIONAL SURVEY MADE?	WERE 2 COPIES FILED WITH THE OFFICE OF CONSERVATION?	DATE FILED
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TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)		DATE FILED
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CASING, LINER AND TUBING RECORD

●	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACBS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO				
101									
102									
103									
104									
105									

● TUBING SIZE      DEPTH OF TUBING      DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION BOPD	GAS VOLUME MCF/DAY	GOR	CHG SIZE CF/BBL	PRODUCING METHOD /BOPD
FLOWING TUBING PRESSURE PSIG	SHUT-IN TUBING PRESSURE PSIG	CASING PRESSURE	WATER PRODUCTION PSIG	SEGW
GRAVITY *API 60° F	SHG (SHUT-IN)	COMPANY REPRESENTATIVE PSIG		DATE GAUGED

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACBS	HOW PLACED		
6 5/8" OD 0	1437.83'	Surface	169	Pump Down	9/20/88	A.L. Thornton	
4 1/2" O.D. 0	1461.51'	1437.83'				O.D. Representative	
4 1/2" Riser Pipe and Screen Section	0	1561.09	9	Tremied Sand	9/19/88		

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Eng. Corp. and have been authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: C. Alan Foster

Title: Supervisor Geology

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK ASUMED

List below all work performed under Office of Conservation Work Permits while drilling and completing well

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1056-88-1	9/19/88	Southwestern Laboratories	Tremied Sand into Riser Pipe & Screen Section 1561.09 to 1461.51 w/9 sacks.
1056-88-1	9/20/88	Western for Southwestern Laboratories	Cement Plug in 6 5/8" Casing from 1437.83' to surface and 4.5" O.D. riser pipe from 1461.51' to 1437.83'. Pump down method. 169 sacks. Slurry wgt. 13.3 lb/gal.
1056-88-1	9/20/88	Pool Co.	Disposed of 60 BBLS. of brine at Fissette No. 1.
1056-88-1	9/20/88	Western for Southwestern Laboratories	Cemented annulus between 12 3/4" OD and 19 7/16" I.D. Casings, depth 15.5' to surface, 10.5 sacks; Slurry wgt. 13.3 lb/gal.
1056-88-1	9/20/88		Cemented annulus between 12.375" I.D. and 6.625" O.D. casings. Depth 95.0' to surface, 22 sacks; Slurry wgt. 13.3 lb/gal.
1056-88-1	11/30/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: See attached SWEC plugging report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT



FIELD	
● SERIAL NO	Wildcat
	166673
PRODUCING INTERVAL	
	294.00 to 428.48
RESERVOIR (COMPANY SAYS IDENTIFICATION)	Lower Wilcox

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		31 INACTIVE DRY HOLE PUT UTIL.	PRODUCT	IF RECOMPLETION	DATE COMP RECOMD
<input type="checkbox"/> NEW WELL		32 INACTIVE DRY HOLE NO PUT UTIL.	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	OR PGS
<input type="checkbox"/> RECOMPLETION		33 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR	● W.O.Y.
<input checked="" type="checkbox"/> P.D.A.		37 INACTIVE WAITING ON MARKET	<input type="checkbox"/> OTHER		11/18/88
OPERATOR		CODE	ADDRESS		
Stone & Webster Engineering Corp.		6424	P.O. Box 2325, Boston, MA 02104		
WELL NAME		WELL NO			
KCI Hodge Holdings LH-17WS (Formerly DOE Continental F.I. LH-17WS)		No. 1			
PARISH		SEC. 12	TWP 15N	ACR. 10W	DATE PERMIT ISSUED
Bienville 007					8/26/88
DATE SPUDDED	DATE READY TO PRODUCE*	TOTAL DEPTH			PDS
● W.O.Y.					
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION			DISTANCE FROM RIG TO CHF
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
WAS WELL DIRECTIONALLY DRILLED		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION			DATE FILED
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)		Listed on Back			DATE FILED
					Filed with this Report

CASING, LINER AND TUBING RECORD

●	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SACRED CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO					
101										
102										
103										
104										
105										

● TUBING SIZE DEPTH OF TUBING DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION		GAS VOLUME		GOR		CHoke Size	PRODUCING METHOD
8000		MCF/DAY		CP/BBL		/64"	
FLOWING TUBING PRESSURE		SHUT-IN TUBING PRESSURE		CASING PRESSURE		WATER PRODUCTION	8888
8000		8000					SPG
GRAVITY		SHUT(SHUT-IN)		COMPANY REPRESENTATIVE		DATE GAUGED	
54.0000 P		8000					

PLUG AND ABANDON (P.G.A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACRED	HOW PLACED		
4 1/2" O.D.	0	Surface	282.3	15	Pump Down	9-24-88	A.L. Thornton
4 1/2" O.D.	0	282.3	294.0				O.C. Representative
4 1/2" Screen	0	294.0	428.48	15	Tremied Sand	9-23-88	

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Engineering Corp. to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: C. Chase Foster

Title: Supervisor Geology

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1057-88-1	7/21/88	Gearhart Ind.	ReCement Bond Log and Gravel Pack Log.
1057-88-1	9/23/88	Southwestern Laboratories	Tremie Sand into screen section of well from 282.3' to 428.48'
1057-88-1	9/24/88	Western for Southwestern Laboratories	Cement plug in 4 1/2" I.D. casing 282.3' to surface. Pump down method. 15 Sacks. Slurry wgt. 13.2 lb/gal.
1057-88-1	11/18/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: See attached SWEC Plugging Report (Attachment 6, PTP 1-18-1) and Borehole Completion Sketch (Attachment 6, PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT

FIELD <b>Wildcat</b>	
● SERIAL NO <b>168159</b>	
PRODUCING INTERVAL <b>1312' to 1372.94'</b>	
RESERVOIR (COMPANY SAND IDENTIFICATION) <b>Nacatoch</b>	

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		31. INACTIVE DRY HOLE PUT UTIL.	PRODUCT	IF RECOMPLETION	DATE COMP. RECORD
<input checked="" type="checkbox"/>	NEW WELL	32. INACTIVE DRY HOLE NO PUT. UTIL.	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	<input checked="" type="checkbox"/> OR P.S.A.
<input checked="" type="checkbox"/>	RECOMPLETION	33. INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR	<input type="checkbox"/> M.O.Y.
<input checked="" type="checkbox"/>	P.S.A.	37. INACTIVE WAITING ON MARKET	<input checked="" type="checkbox"/> OTHER		11/19/88
OPERATOR <b>Stone &amp; Webster Engineering Corp.</b>		CODE <b>6424</b>	ADDRESS <b>P.O. Box 2325, Boston, MA 02107</b>		
WELL NAME <b>KCI Hodge Holdings LH-17B (Formerly DOE/Continental F.I. LH-17B)</b>				WELL NO <b>No. 1</b>	
PARISH <b>Bienville 007</b>		SEC. <b>12</b>	TWP. <b>15N</b>	RSG. <b>10W</b>	DATE PERMIT ISSUED <b>8/26/88</b>
DATE SPUNCHED <input checked="" type="checkbox"/> M.O.Y.	DATE READY TO PRODUCE*	TOTAL DEPTH		PDSO	
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION		DISTANCE FROM RDS TO CHP	
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION		NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION	
WAS WELL DIRECTIONALLY DRILLED?		WAS DIRECTIONAL SURVEY MADE?		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)		Cement Bond Log/Gravel Pack Log		DATE FILED <b>Filed with this report.</b>	

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM/DD/YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
FROM	TO							
101								
102								
103								
104								
105								
TUBING SIZE		DEPTH OF TUBING		DEPTH OF Packer(s)				

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION BOPP	GAS VOLUME MCF/DAY		GOR CF/BBL	CHORE SIZE 1/64"	PRODUCING METHOD BOPP
FLOWING TUBING PRESSURE 2010	SHUT-IN TUBING PRESSURE 2010		CASING PRESSURE		WATER PRODUCTION BOPP
GRAVITY 1.01600 F	BHP (SHUT-IN)		COMPANY REPRESENTATIVE		DATE GAUGED

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
6 5/8" - 6 1/2" O.D. 0	1269.32	Surface	277.8	Pump Down	10/28/88	A.L. Thornton	
6 1/2" O.D. Riser 0	1298.35	1269.32				O.C. Representative	
Approx. 4 1/2" Riser and Screen Section 0	1372.94	1298.35	7	Tremied Sand			

CERTIFICATE: I, the undersigned, state: That I am employed by **Stone & Webster Engineering Corp.** and have been authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, accurate and complete to the best of my knowledge.

Signature: *John F.* Title: *Supervisor (Geology)*

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc. the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1046-88-1	7/21/88	Gearhart Ind.	Ran Cement Bond Log and Gravel Pack Log.
1046-88-1	8/12/88	Gearhart Ind.	Ran Cement Bond Log, Gravel Pack Log, Gamma Ray, Casing Collar Locator.
1046-88-1	9/24/88	Southwestern Laboratories	Tremie Sand into Screened Section of Well from 1372.94 to 1298.35, 7 Sacks.
1046-88-1	9/26/88	Southwestern Laboratories	Cement plug in 6 5/8" O.D. casing 1269.32' to 20.0' and in 4 1/2" riser pipe 1298.35 to 1269.32' Pump Down Method. 254.7 Sacks. Slurry wgt. 13.2 lbs./gal.
1046-88-1	10/28/88	Southwestern Laboratories	Cement plug in 6 5/8" O.D. casing 20.0' to surface. Pump Down Method. 23.1 sacks. Slurry wgt. 13.2 lbs./gal.
1046-88-1	11/19/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cpa on casing. Backfilled excavation.
1046-88-1	9/26/88	Pool Co.	50 BBLS of Brine Disposed at Fusette No. 1.

NOTE: See attached SWECP Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT

FIELD		Wildcat
SERIAL NO		168158
PRODUCING INTERVAL		1993.30 to 2022.00
RESERVOIR (COMPANY NAME IDENTIFICATION)		Austin Formation

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		31 INACTIVE DRY HOLE PUT UTIL	PRODUCT	IF RECOMPLETION	DATE COMP RECOND
<input type="checkbox"/> NEW WELL		32 INACTIVE DRY HOLE NO PUT UTIL	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	<input type="checkbox"/> OR PBA
<input type="checkbox"/> RECOMPLETION		33 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> DIFFERENT RESERVOIR	<input checked="" type="checkbox"/> MAY
<input checked="" type="checkbox"/> P&G		37 INACTIVE WAITING ON MARKET	<input type="checkbox"/> OTHER		11/19/88
OPERATOR		CODE	ADDRESS	WELL NO	
Stone & Webster Engineering Corp.		6424	P.O. Box 2325, Boston, MA 02107	No. 1	
WELL NAME		TOTAL DEPTH			DATE PERMIT ISSUED
KCI Hedge Holdings LH-17A (Formerly DOE/Continental F.I./LH-17A)		SEC 12	TWP 15N	RGE 10W	8/26/88
PARISH	DATE SPUNDED			DATE READY TO PRODUCE*	
Bienville 007	8/26/88			8/26/88	
GROUNDS ELEVATION		CASING HEAD FLANGE ELEVATION			DISTANCE FROM RBS TO CHF
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
WAS WELL DIRECTIONALLY DRILLED?		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?			DATE FILED
TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)		Cement Bond Log			DATE FILED
					Filed with this report.

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
FROM	TO							
101								
102								
103								
104								
105								
TUBING SIZE		DEPTH OF TUBING			DEPTH OF PACKER(S)			

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOME SIZE	PRODUCING METHOD
8000	MCF/DAY	CP/BB	1/8"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSGW
PSIG	PSIG	PSIG	PSIG	PSIG
GRAVITY	COMPANY REPRESENTATIVE			DATE CAUSED
*API 600° F				

PLUG AND ABANDON IP & AI DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
6 5/8"OD	0	1951.01	3	204	Pump Down		
4.5"OD Riser	0	1959.65	1951.01				
Approx. 4.5"O.D. Riser, Screen Section			3		Tremied Sand		
	0	2022.0	1959.65				

Stone & Webster Eng. Corp.

CERTIFICATE: I, the undersigned, state: That I am employed by \_\_\_\_\_ and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: Clara F. Stoe

Title: Supervisory Geology

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
1047-88-1	7-22-88	Gearhart Ind.	Ran Cement Bond Log.
1047-88-1	10/27-28/88	Southwestern Laboratories	Tremie Sand into Screen and Riser Pipe Section from 2022' to 1959.65', 3 Sacks.
1047-88-1	10/28/88	Western for Southwestern Laboratories	Cement Plug in 6 5/8" Casing from 1951.01' to 3.0' and in 4.5" riser pipe from 1959 to 1951.01". Pump down method. 204 sacks. Slurry wgt. 13.2 lb/gal.
1047-88-1	10/28/88	Southwestern Laboratories	Tremie Sand in Annulus between 10.475" ID and 6 5/8" O.D. casings. Depth from 401' to 22'. 60 Sacks.
1047-88-1	10/28/77	Western for Southwestern Laboratories	Cement in annulus between 10.475" I.D. and 6 5/8" O.D. from 22' to 3.0' Pump down 4.5 sacks. Slurry wgt. 13.2 lbs/gal.
1047-88-1	10/28/88	↓	Cement in annulus between 20" I.D. and 10 3/4" O.D. from 24.0' to 3.0'. Pump down method. 23.1 Sacks.
1047-88-1	10/28/88	Pool Co.	60 BBLS of brine disposed at Fissette No. 1.
1047-88-1	11/19/88	Southwestern Laboratories	Excavated around well. Cut casing off 3.0' below ground surface. Welded steep cap on casing. Backfilled excavation.

NOTE: See attached SWEC plugging report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1)

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <p><b>OFFICE OF CONSERVATION</b> WELL HISTORY AND WORK RECORD REPORT</p>		<p>FIELD <b>Vacherie Salt Dome</b></p> <p>• SERIAL NO. <b>971960</b></p> <p>PRODUCING INTERVAL <b>475' - 485'</b></p> <p>RESERVOIR (COMPANY NAME IDENTIFICATION) <b>Wilcox and Midway Groups</b></p>																																																																														
		<p>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</p>																																																																														
<p>LEASE AND WELL DATA</p>																																																																																
<p>CHECK APPROPRIATE BOXES</p> <p><input type="checkbox"/> YES WELL <input type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P.O.A.</p>		<p>• <input type="checkbox"/> 31. INACTIVE DRY HOLE NOT UTIL. <input type="checkbox"/> 32. INACTIVE DRY HOLE NO FUT. UTIL. <input type="checkbox"/> 33. INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37. INACTIVE WAITING ON MARKET</p>	<p>PRODUCT <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER</p> <p>IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR</p> <p>DATE COMP. RECORD <input type="checkbox"/> ON FORM <input checked="" type="checkbox"/> ON SPOT 11/15/88</p>																																																																													
<p>OPERATOR <b>Stone &amp; Webster Eng. Corp.</b></p>		<p>CODE # <b>6424</b></p>	<p>ADDRESS <b>P.O. Box 2325, Boston, MA 0207</b></p>																																																																													
<p>WELL NAME <b>DOE - N.C. Rayford V-4</b></p>			<p>WELL NO. <b>1</b></p>																																																																													
<p>PARENT <b>Webster</b></p>		<p>SEC. 15 Twp 17N Range 8W</p>	<p>DATE PERMIT ISSUED <b>No Permit Issued</b></p>																																																																													
<p>DATE SPUDDED <input checked="" type="checkbox"/> 4/17/77 DATE READY TO PRODUCE <b>Only</b></p>		<p>TOTAL DEPTH <b>754 ft.</b></p>	<p>FUTS <b>487 ft.</b></p>																																																																													
<p>GROUND ELEVATION <b>280.84 Ft.</b></p>		<p>CASING HEAD PLANGE ELEVATION <b>281.97 Ft.</b></p>	<p>DISTANCE FROM RIG TO CHF <b>N/A</b></p>																																																																													
<p>DATE WELL TURNED INTO TANHS <b>Observation Well Only</b></p>		<p>SINGLE, DUAL OR TRIPLE COMPLETION <b>Single</b></p>	<p>DATE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION</p>																																																																													
<p>WAS WELL DIRECTIONALLY DRILLED? <input type="checkbox"/> NO</p>		<p>WAS DIRECTIONAL SURVEY MADE? <input type="checkbox"/> NO</p>	<p>WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? <input type="checkbox"/> N/A</p>																																																																													
<p>TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)</p>		<p>DATE FILED <b>N/A</b></p>																																																																														
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•	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET FROM	TO	SACRED CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR																																																																						
•	6"	8"	NA	0	484	110	NA	NA	NA	NA																																																																						
•	Riser 3"	8"	NA	454	475																																																																											
•	Screen 4 7/8"	NA	NA	475	485																																																																											
•	Rail Pipe 4 7/8"	NA	NA	485	488																																																																											
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<p>INITIAL COMPLETION OR RE-COMPLETION DATA</p>																																																																																
<p>INITIAL PRODUCTION BPSO</p>		<p>GAS VOLUME MMF/BOY</p>	<p>GOR CF/BOY</p>	<p>CHIME SIZE 1/2"</p>	<p>PRODUCING METHOD BBOV</p>																																																																											
<p>FLOWING TUBING PRESSURE BPSI</p>		<p>SHUT-IN TUBING PRESSURE BPSI</p>	<p>CASING PRESSURE BPSI</p>	<p>WATER PRODUCTION BPSI</p>	<p>BBOV %</p>																																																																											
<p>GRAVITY API/SG/STP</p>		<p>COMPANY REPRESENTATIVE Signature: <i>John Easton</i></p>			<p>DATE CAUSED 10/15/88</p>																																																																											
<p>PLUG AND ABANDON (PBA) DATA</p>																																																																																
<p>CASING SIZE</p>		<p>AMOUNT PULLED</p>	<p>CEMENT PLUGS FROM TO SACRED Sand (2) 0100 lb. Tremie</p>			<p>DATE WORK PERFORMED 10/27/88</p>	<p>NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR</p>																																																																									
<p>3" Tail Riser &amp; Screen</p>		<p>None</p>	<p>488 (est) 475</p>	<p>45</p>	<p>Pump Down</p>	<p>10/27/88</p>																																																																										
<p>3" Riser</p>		<p>None</p>	<p>475 (est) 454</p>	<p>45</p>	<p>Pump Down</p>	<p>10/27/88</p>																																																																										
<p>6 in.</p>		<p>None</p>	<p>454</p>	<p>3</p>	<p>Pump Down</p>	<p>10/27/88</p>																																																																										
<p>CERTIFICATE: I, the undersigned, state: That I am employed by <b>Stone &amp; Webster Eng. Corp</b> and am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.</p> <p>Signature: <i>John Easton</i> Title: <b>Supervisor-Geologist</b></p>																																																																																
<p>*Data well is equipped to produce, but due to no available market, no pipe line connection, etc. the well has been abandoned.</p>																																																																																

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
N/A	3/11/77	Schlumberger	<u>Logs Run</u> (not filed with OC) Dual Induction Laterlog Compensated Formation Density Log Borehole Compensated Sonic Log
	3/11/77	Charlene Well Surveying Company	Electric Log
	7/22/88	Gearhart Industries	<u>Logs Run</u> (Included with this report) Cement Bond Log with Gamma Ray and Casing Collar Locator. Gravel Packlog.
	10/27/88	Southwestern Laboratories	Sand Plug 3 in. screen from 481 ft. to 454 ft.
	10/27/88	Western for Southwestern Laboratories	Cement Plug in 6 in. Casing from 454 ft. to surface. Pump down method. 45 sacks Class A with 8% bentonite.
	11/15/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.
NOTE:	See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).		

List below all important Paleofossil or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
Cane River Formation	0 - 70		
Wilcox Group	70-482		
Midway Group	482-754		



OFFICE OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD		WILDCAT	
● SERIAL NO.		971961	
PRODUCING INTERVAL		377 to 387	
RESERVOIR (COMPANY SAND IDENTIFICATION)			

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		<input checked="" type="checkbox"/> 31 INACTIVE DRY HOLE FUT. UTIL. <input type="checkbox"/> 32 INACTIVE DRY HOLE NO FUT. UTIL. <input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE <input checked="" type="checkbox"/> 37 INACTIVE WAITING ON MARKET		PRODUCT	<input type="checkbox"/> SAME RESERVOIR <input checked="" type="checkbox"/> DIFFERENT RESERVOIR		DATE COMP, RECOMP.	
<input type="checkbox"/> NEW WELL <input type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P & A				<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER			<input type="checkbox"/> ON P&A <input checked="" type="checkbox"/> M&Y	
OPERATOR		CODE <b>●</b>		ADDRESS		1-10-89		
Stone & Webster Engineering Corp.		6424		P.O. Box 2325, Boston, MA 02107				
WELL NAME						WELL NO.		
Effie H.S. Connell et aux V-5						No. 1		
PARISH		SEC.	TWP.	RGE.	8W	DATE PERMIT ISSUED		
Bienville		22	17N					
DATE SPUNDED	DATE READY TO PRODUCE*	TOTAL DEPTH				POTO.		
<input checked="" type="radio"/> M D Y 3-28-77	4-14-77 Observation Well	815				387		
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION				DISTANCE FROM RKS TO CHF		
239.52 Ft.		241.1 Ft. (w/cap)				NA		
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION				NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION		
NA		Single						
WAS WELL DIRECTIONALLY DRILLED		WAS DIRECTIONAL SURVEY MADE?		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?			DATE FILED	
NA		NA		NA			NA	
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)						DATE FILED		
Listed on back						Filed with this report		

CASING, LINER AND TUBING RECORD

●	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS- STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO				
161	5 1/2"	8"	NA	366	Surface	100			Ellyn Smith
162	Riser	4 7/8"	NA	377	356				Layne/Driller
163	Screen	4 7/8"	NA	387	377				
164									
165									
● TUBING SIZE		DEPTH OF TUBING		DEPTH OF PACKER(S)					

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION		GAS VOLUME		GOR		CHoke Size	PRODUCING METHOD			
NA		BOPD	NA	MCF/DAY	NA	CP/BBL	NA	/64	NA	
FLOWING TUBING PRESSURE		SHUT-IN TUBING PRESSURE		CASING PRESSURE		WATER PRODUCTION		BOPW		
NA		psi	NA	psi	NA	NA	psi	NA	%	
GRAVITY		BHP (SHUT-IN)		COMPANY REPRESENTATIVE				DATE CAUSED		
NA		API 60° F	NA	psi	NA				NA	%

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS- STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
5.0"	0	366.0'	surface		Pump Down	1/9/89	Joel Q. Kantola
3.0" Riser 0	367.63	356.0					Stone & Webster
3.0" Riser&Screen	387.0	367.36			Tremied Sand	1/6/89	
4 7/8" Open Hole	403.5	387.0				1/5/89	

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Engineering Corp. to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Signature: Clayton F. Stetson

Title: Supervisor-Geologist

\*Data well is planned to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
	4-1-77	Schlumberger	Induction spherically focused log, compensated formation density log, borehole compensated sonic log. ( Not filed w/ this report )
	3-28 to 4-14-77	Layne	Well drilled to 366' (8.0"), cased w/ 5.0" O.D. casing to 366', 4 7/8" boring drilled from 366' to 815'. 21' of riser pipe and 10' of screen hung from 356' to 387': open hole backfilled. 5.0" casing annulus cemented with 100 sacks.
	1-5-89	Gearhart Ind.	Ran CBL, CCL, and Gamma Ray Logs. ( Filed w/ this report! )
	1/5-6/89	Southwestern Laboratories	Tremie sand into screen and riser pipe section of well from 403.5' to 367.63'.
	1-9-89	Southwestern Laboratories	Cement plug in 5.0" O.D. casing, 367.63 ft. to G.L. - Pump Down Method. 33 sacks cement API "A" w/8% bentonite. Slurry wgt. 13.0 to 13.1 lbs/gal.
	1/10/89	Southwestern Laboratories	Cut casing + 3.0' below G.L., welded steel cap onto cut casing, backfilled excavation.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

OFFICE OF CONSERVATION  
WELL HISTORY AND WORK RESUME REPORT



FIELD	
Wildcat	
● SERIAL NO	
971962	
PRODUCING INTERVAL	
608' to 618'	
RESERVOIR (COMPANY SAND IDENTIFICATION)	
Wilcox Sands	

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES		● <input type="checkbox"/> 31 INACTIVE DRY HOLE FUT. UTIL	PRODUCT	IF RECOMPLETION	DATE COMP RECOMP
<input type="checkbox"/> NEW WELL		<input type="checkbox"/> 32 INACTIVE DRY HOLE NO FUT. UTIL	<input type="checkbox"/> OIL	<input type="checkbox"/> SAME RESERVOIR	<input type="checkbox"/> 38 PGS
<input type="checkbox"/> RECOMPLETION		<input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE	<input type="checkbox"/> GAS	<input type="checkbox"/> <input type="checkbox"/> DIFFERENT RESERVOIR	<input type="checkbox"/> U.S.T.
<input checked="" type="checkbox"/> P.D.A.		<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	<input type="checkbox"/> OTHER		11/15/88
OPERATOR		CODE <b>6424</b>	ADDRESS		
Stone & Webster Engineering Corp.		6424	P.O. Box 2325, Boston, MA 02107		
WELL NAME		WELL NO			1
DOE - G.P. Theus V6 Formerly E.S. Connell - V6					
PARISH		SEC. 22	TOP 17N	NEE 8W	DATE PERMIT ISSUED
Bienville					Not Filed
DATE SPUDDED	DATE READY TO PRODUCE*	TOTAL DEPTH			TYPE
<input type="checkbox"/> N.D.Y.	4/1/77	643 Ft.			Plug Back With Sand to 608 in 1977
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION			DISTANCE FROM REG TO CHF
19.29 MSL		220.10 MSL			NA
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION?			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION
Observation Well Only		Single			
WAS WELL DIRECTIONALLY DRILLED?		WAS DIRECTIONAL SURVEY MADE?		WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	DATE FILED
No		No		NA	NA
TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)					DATE FILED
SFL-E, BHC, CBL					Included with report.

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING HEIGHT	DEPTH SET	SACES CEMENT	TEST PRESSURE	HOURLY INJECTION PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE & CONSERVATION AGENT OR OFFSET OPERATOR
FROM	TO							
0	5 1/2" O.D.	8 3/4"	15 1/4 ft. Surface	596'				
02	3 1/2" O.D.	8 3/4"	566'	608'	NA	(Riser Pipe)		
03	3"	8 3/4"	608'	618'	NA	(Screen)		
04								
05								
TUBING SIZE		DEPTH OF TUBING		DEPTH OF PACKER(S):				

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	SACES VOLUME	CCR	CHOKES SIZE	PRODUCING METHOD
0 BOPD	0000 BOPD/DAY	0000	1/8"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	CCR
0 BOPD	0 BOPD	0 BOPD	0 BOPD	0 BOPD
GRAVITY	API/SG (SHUT-IN)	COMPANY REPRESENTATIVE	DATE GAUGED	
14.0000° F				

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE & CONSERVATION AGENT OR OFFSET OPERATOR
from	to	SACES	HOW PLACED				
5 1/2" O.D.	0	Surface	603'	46	Pump Down	10/25/88	NA

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Eng. Corp. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, accurate and complete to the best of my knowledge.

Signature: Calum Foster

Title: Supervisor-Geology

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
Not Filed	4/77	Landford Drilling Co. Inc.	Drilled 8 3/4" well to T.D. of 643', Ran Geophysical Logs (SFL-E & BHC), Installed and Cemented (by Halliburton) 5 1/2" casing to 596'. Backfilled with sand to 608' and installed 3" S.S. Screen 608' to 618.
To Be Provided By O.C.	8/12/88	Gearhart Ind.	Ran Cement Bond Log (Included with this Report).
	10/25/88	Western For Southwestern Laboratories	Cement Plug in 5 1/2" casing 603 ft. to surface. Pump down method. 46 sacks Class "A" with 8% bentonite.
	10/25/88	Pool Co. for Southwestern Labs.	Brine Disposal. 15 BBLS Brine hauled to Fissette # 1.
	11/15/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.
NOTE:			See Attached SWEC Borehole Completion Sketch (Attachment 6, PTP 1-18-1) and Plugging Report (Attachment 8, PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <p>OFFICE OF CONSERVATION WELL HISTORY AND WORK RESUME REPORT</p>		FIELD WILDCAT							
		<input checked="" type="radio"/> SERIAL NO 971963							
		PRODUCING INTERVAL 796' to 806'							
		RESERVOIR (COMPANY SAND IDENTIFICATION) SALT-VACHERIE DOME							
<p>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion: NOTE: If not properly completed and signed this report will be returned.</p>									
LEASE AND WELL DATA									
CHECK APPROPRIATE BOXES <input type="checkbox"/> NEW WELL <input checked="" type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> P & A		<input type="checkbox"/> 31. INACTIVE DRY HOLE PUT UTIL. <input type="checkbox"/> 32. INACTIVE DRY HOLE NO PUT. UTIL. <input type="checkbox"/> 33. INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37. INACTIVE WAITING ON MARKET	PRODUCT <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	DATE COMP. RECOMP. <input checked="" type="radio"/> OR P&A <input type="radio"/> M & Y				
OPERATOR Stone & Webster Engineering Corp.		CODE <input checked="" type="radio"/> 6424	ADDRESS P.O. Box 2325, Boston, MA 02107		DATE 09/27/88				
WELL NAME DOE- E.S. Connell V-7				WELL NO 1					
PARISH Webster		SEC. 17 TWP 17N R.R. 8W	DATE PERMIT ISSUED						
DATE SPUNDED <input checked="" type="radio"/> M D Y	DATE READY TO PRODUCE*	TOTAL DEPTH 849 Ft.	POTO No plug back						
GROUND ELEVATION 225.89		CASING HEAD FLANGE ELEVATION 226.89	DISTANCE FROM RKB TO CHF NA						
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION?	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION						
Observation well only WAS WELL DIRECTIONALLY DRILLED No		WAS DIRECTIONAL SURVEY MADE? No	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION? N/A	DATE FILED N/A					
TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION) CBL, GR & CCL					DATE FILED 10/31/88				
CASING, LINER AND TUBING RECORD									
<input checked="" type="radio"/> 101 102 103 104 105	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET FROM      TO	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS- STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
TUBING SIZE:		DEPTH OF TUBING:		DEPTH OF PACKER(S):					
INITIAL COMPLETION OR RE-COMPLETION DATA									
INITIAL PRODUCTION 8000		GAS VOLUME MCF/DAY		GOR CF/BBL		CHoke Size 1/8"	PRODUCING METHOD 800W		
FLOWING TUBING PRESSURE 8000		SHUT-IN TUBING PRESSURE 7000		CASING PRESSURE		WATER PRODUCTION 800			
GRAVITY API/SGO P		BHP (SHUT-IN) 2010		COMPANY REPRESENTATIVE		DATE CAUGED			
PLUG AND ABANDON (P & A) DATA									
CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED 09/09/88	NAME OF TEST WITNESS-STATE IF CONSERVATION AGENT OR OFFSET OPERATOR NA		
		FROM	TO	SACKS	HOW PLACED				
5 1/2" O.D.	0	Surface	742'	77	Pump Down				
Stone & Webster Eng. Corp.									
CERTIFICATE: I, the undersigned, state: That I am employed by _____ and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.									
Signature: <u>C. Alan F. Stor</u>						Title: Supervisor-Geologist			

\*Data well is equipped to produce, but due to no available market, no pipe line connection, etc. the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
NA	09/01/88 to 09/08/88	Southwestern Laboratories	Drilling, milling, fishing operation to remove obstruction.
	09/08/88	Western for Southwestern Laboratories	Cement plug in 5 $\frac{1}{4}$ " casing 742 ft. to surface. Pump down method. 77 sacks class "A" with 8% Bentonite.
	09/27/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <b>OFFICE OF CONSERVATION</b> <small>WELL HISTORY AND WORK RESUME REPORT</small>		<b>FIELD</b> Wildcat/Rayburns Salt Dome <b>SERIAL NO.</b> 971964 <b>PRODUCING INTERVAL</b> 488' to 478' <b>RESERVOIR (COMPANY BANK IDENTIFICATION)</b> NA					
<small>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</small>							
<b>LEASE AND WELL DATA</b>							
<small>CHECK APPROPRIATE BOXES</small> <input type="checkbox"/> NEW WELL <input type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> X P & A		<small>31 INACTIVE DRY HOLE PUT UTIL</small> <small>32 INACTIVE DRY HOLE NO PUT UTIL</small> <small>33 INACTIVE WAITING ON PIPELINE</small> <small>37 INACTIVE WAITING ON MARKET</small>		<small>PRODUCT</small> <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	<small>IF RECOMPLETION</small> <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	<small>DATE COMP. RECOMP</small> <small>30 0 0</small> <small>0 0 0</small>	
						11/20/88	
<small>OPERATOR</small> <b>Stone &amp; Webster Engineering Corp.</b>		<small>CODE</small> 6424		<small>ADDRESS</small> <b>P.O. Box 2325, Boston, MA 02107</b>			
<small>WELL NAME</small> <b>DOE-Derwood D Hines LSU-RIA</b>				<small>WELL NO</small> <b>No. 1</b>			
<small>PAR SH</small> <b>Bienville</b>		<small>SEC.</small> 31	<small>TWP.</small> 15N	<small>RGE</small> 5W	<small>DATE PERMIT ISSUED</small> <b>NA</b>		
<small>DATE SPUNDED</small> <input checked="" type="checkbox"/> 8/10/88		<small>DATE READY TO PRODUCE*</small> <b>Research Well</b>		<small>TOTAL DEPTH</small> <b>1112</b>	<small>SPSD 558 to 489 gravel 600 to 558 Nest Cement 1112 to 600</small>		
<small>GROUND ELEVATION</small> <b>229.64'</b>				<small>CASING HEAD FLANGE ELEVATION</small> <b>231.64'</b>	<small>DISTANCE FROM RKB TO CHP</small> <b>Unknown</b>		
<small>DATE WELL TESTED/TCG TAKEN</small> <b>Observation Well Only</b>				<small>SINGLE, DUAL OR TRIPLE COMPLETION?</small> <b>Single</b>	<small>NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION</small>		
<small>WAS WELL DIRECTIONALLY DRILLED</small> <b>NA</b>		<small>WAS DIRECTIONAL SURVEY MADE?</small> <b>NA</b>		<small>HERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION</small> <b>NA</b>		<small>DATE FILED</small> <b>NA</b>	
<small>TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)</small> <b>SP - Resistivity, Sonic 9/77</b> <b>Cement Bond Log, Gamma Ray Log, Neutron Log</b>						<small>DATE FILED</small> <b>Filed with this report.</b>	
<b>CASING, LINER AND TUBING RECORD</b>							
<small>CASING S-26</small>	<small>HOLE SIZE</small>	<small>CASING WEIGHT</small>	<small>DEPTH SET</small>	<small>SACKS CEMENT</small>	<small>TEST PRESSURE</small>	<small>HOURS UNDER PRESSURE</small>	<small>DATE TESTED (MM DD YY)</small>
			<small>FROM</small> <small>TO</small>				
<small>7.0" Conductor</small>		<small>NA</small>	<small>59.6</small> <small>0</small>	<small>NA</small>	<small>NA</small>	<small>NA</small>	<small>NA</small>
<small>6.0" Casing</small>		<small>NA</small>	<small>462</small> <small>0</small>				
<small>3.0" Riser Pipe</small>		<small>NA</small>	<small>478</small> <small>451</small>				
<small>4.0" Screen</small>		<small>NA</small>	<small>488</small> <small>478</small>				
<small>TUBING SIZE</small>		<small>DEPTH OF TUBING</small>		<small>DEPTH OF PACKER(S)</small>			
<b>INITIAL COMPLETION OR RE-COMPLETION DATA</b>							
<small>INITIAL PRODUCTION</small>		<small>GAS VOLUME</small> <small>8000</small>		<small>SCF</small> <small>MCF/DAY</small>	<small>CHG SIZE</small> <small>CP/SCF</small>	<small>PRODUCING METHOD</small> <small>/84"</small>	
<small>FLOWING TUBING PRESSURE</small> <small>8000</small>		<small>SHUT-IN TUBING PRESSURE</small> <small>8000</small>		<small>CASING PRESSURE</small>	<small>WATER PRODUCTION</small>	<small>8000</small>	
<small>GRAVITY</small> <small>1.01000</small>		<small>BHP (SHUT-IN)</small> <small>8000</small>		<small>COMPANY REPRESENTATIVE</small> <small>A.L. Thornton</small>		<small>DATE GAUGED</small>	
<b>PLUG AND ABANDON IF GAI DATA</b>							
<small>CASING SIZE</small>	<small>AMOUNT PULLED</small>	<small>CEMENT PLUGS</small> <small>FROM</small> <small>TO</small> <small>SACKS</small> <small>HOW PLACED</small>			<small>DATE WORK PERFORMED</small>	<small>NAME OF TEST WITNESS-STATE OF CONSERVATION AGENT OR OFFSET OPERATOR</small>	
<small>4" O.D.</small>	<small>0</small>	<small>451.0</small>	<small>Surface</small>	<small>24</small>	<small>Pump Down</small>	<small>10/31/88</small>	<small>A.L. Thornton</small>
<small>3" O.D.</small>	<small>0</small>	<small>454.04</small>	<small>451.0'</small>				<small>O.C. Representative</small>
<small>3" O.D. Riser</small>	<small>0</small>	<small>478.0</small>	<small>454.04</small>	<small>2</small>	<small>Tremied Sand</small>	<small>10/23/88</small>	
<small>3.75" Screen</small>	<small>0</small>	<small>485.00</small>	<small>478.0</small>				
<small>CERTIFICATE:</small> I, the undersigned, state: That I am employed by <b>Stone &amp; Webster Engineering Corp.</b> and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, accurate and complete to the best of my knowledge.							
<small>Signature:</small> <i>Clark Foss</i> <small>Title:</small> <i>Supervisor</i>							
<small>*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.</small>							

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
	9/77	Unknown	SP - Resistivity Log and Sonic Log were Run (Not Filed w/O.C.).
	8/23/88	Gearhart Ind.	Ran Cement Bond Log Gamma Ray Log and Neutron Log.
	10/28/88	Southwestern Laboratories	Tremied Sand into Riser Pipe and Screen Area 485' to 454.04' w/ 2 sacks.
	10/31/88	Western Co. for Southwestern Laboratories	Cement Plug in 3" Riser Pipe from 454.04" to 451, and in 4.0" casing from 451.0' to surface. Pump down method. 24 sacks cement Class A w/8% Bentonite. Slurry Wgt. 13.2 lbs/gal.
	11-20-88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface. Welded steel cap on casing. Backfilled excavation.

NOTE: See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <p><b>OFFICE OF CONSERVATION</b> WELL HISTORY AND WORK RESUME REPORT</p>		FIELD Rayburn's Salt Dome							
		SERIAL NO 157684							
		PRODUCING INTERVAL Research Well (Non Producer)							
		RESERVOIR (COMPANY, SAND IDENTIFICATION) NA							
<p>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. <b>NOTE:</b> If not properly completed and signed this report will be returned.</p>									
LEASE AND WELL DATA									
CHECK APPROPRIATE BOXES <input checked="" type="checkbox"/> NEW WELL <input checked="" type="checkbox"/> RECOMPLETION <input checked="" type="checkbox"/> S & A		<input type="checkbox"/> 31 INACTIVE DRY HOLE PUT UTIL <input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL <input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE <input type="checkbox"/> 37 INACTIVE WAITING ON MARKET	PRODUCT <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER	IF RECOMPLETION <input type="checkbox"/> SAME RESERVOIR <input type="checkbox"/> DIFFERENT RESERVOIR	DATE COMP RECOMP OR PDA M 0 Y 12/1/88				
OPERATOR Stone & Webster Engineering Corp.		CODE 6424	ADDRESS P.O. Box 2325, Boston, MA 02107						
WELL NAME DOE - Continental Forest Ind., et al			WELL NO No. 1						
PARISH Bienville		SEC 31 Twp 15N Rge 5W	DATE PERMIT ISSUED 10-24-88						
DATE SPUDDED M 0 Y	DATE READY TO PRODUCE*	TOTAL DEPTH			PEDO				
GROUND ELEVATION		CASING HEAD FLANGE ELEVATION			DISTANCE FROM RIG TO CHP				
DATE WELL TURNED INTO TANKS		SINGLE, DUAL OR TRIPLE COMPLETION?			NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION				
WAS WELL DIRECTIONALLY DRILLED?		WAS DIRECTIONAL SURVEY MADE?			WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?				
TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)		Cement Bond Log/Gamma Ray/CCL			DATE FILED Filed with this report.				
CASING, LINER AND TUBING RECORD									
<input checked="" type="checkbox"/>	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACNS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
				FROM	TO				
	101								
	102								
	103								
	104								
	105								
TUBING SIZE		DEPTH OF TUBING			DEPTH OF PACKER(S)				
INITIAL COMPLETION OR RE-COMPLETION DATA									
INITIAL PRODUCTION		GAS VOLUME		GOR		CHORE SIZE	PRODUCING METHOD		
BOPD		MCF/DAY		CF/BBL		1/64"			
FLOWING TUBING PRESSURE		SHUT-IN TUBING PRESSURE		CASING PRESSURE		WATER PRODUCTION	BOPW		
psi		psi		psi		psi	psi		
GRAVITY		SGP (SHUT-IN)		COMPANY REPRESENTATIVE		DATE GAUGED			
1.00000		psi							
PLUG AND ABANDON (P & A) DATA									
CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR		
		FROM	TO	SACNS	HOW PLACED				
9 5/8" O.D. 0	50'	3.0'	22	Pump Down	11-3-88	A.L. Thornton			
9 5/8" O.D. 0	339.6	50.0	85	Pump Down	11-2-88	O.C. Representative			
9 5/8" O.D. 0	478.4	339.6	50	Pump Down	11-1-88				
9 1/2" Open Hole				Balance Plug					
CERTIFICATE: I, the undersigned, state: That I am employed by <b>Stone &amp; Webster Engineering Corp.</b> and am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.									
Signature: <u>Alain Foster</u> Title: <b>Supervisor Geology</b>									

\*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
2118-88-1	8/28/88	Gearhart Ind.	Ran Cement Bond Log, Gamma Ray Log, Casing Collar Locator Log.
2118-88-1	11/01/88	Western for Southwestern Laboratories	Cement Balance Plug in 9 1/2" open hole from 478.4' to 339.6'. Pump Down Method. 50 sacks Class A Cement w/ 8% Bentonite. Slurry Wgt. 13.2 lbs/gal.
2118-88-1	11/02/88	Western Co. for Southwestern Laboratories	Cement Plug in 9 5/8" Casing from 339.6' to 50'. Pump Down Method. 85 sacks Class A Cement with 8% Bentonite. Slurry wgt. 13.2 lbs/gal.
2118-88-1	11/1/88	Pool Co.	Disposed of 20 BBLS of Brine at Fissette No. 1.
2118-88-1	11/3/88	Pool Co.	Disposed of 2 BBLS of Brine at Fissette No. 1.
211-88-1	12/1/88	Southwestern Laboratories	Excavated around well. Cut casing off 3 ft. below ground surface, welded steel cap on casing. Backfilled excavation.

NOTE: See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

 <b>OFFICE OF CONSERVATION</b> <small>WELL HISTORY AND WORK RESUME REPORT</small>		<b>FIELD</b> <b>Vacherie</b> <b>SERIAL NO</b> <b>157091</b> <b>PRODUCING INTERVAL</b> <b>Research Well (Non Producer)</b> <b>RESERVOIR (COMPANY SANG IDENTIFICATION)</b> <b>N.A.</b>						
<p>Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned.</p>								
<b>LEASE AND WELL DATA</b>								
<b>CHECK APPROPRIATE BOXES</b> <input checked="" type="checkbox"/> <b>NEW WELL</b> <input checked="" type="checkbox"/> <b>RECOMPLETION</b> <input checked="" type="checkbox"/> <b>P.B.A.</b>		<input type="checkbox"/> <b>31. INACTIVE DRY HOLE PUT UTIL.</b> <input type="checkbox"/> <b>32. INACTIVE DRY HOLE NO PUT UTIL.</b> <input type="checkbox"/> <b>33. INACTIVE WAITING ON PIPELINE</b> <input type="checkbox"/> <b>37. INACTIVE WAITING ON MARKET</b>		<b>PRODUCT</b> <input type="checkbox"/> <b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input type="checkbox"/> <b>OTHER</b>	<b>IF RECOMPLETION</b> <input type="checkbox"/> <b>SAME RESERVOIR</b> <input type="checkbox"/> <b>DIFFERENT RESERVOIR</b>	<b>DATE COMP. RECOMP.</b> <input checked="" type="checkbox"/> <b>OR P.B.A.</b> <input checked="" type="checkbox"/> <b>M.O.Y.</b> <b>11/20/88</b>		
<b>OPERATOR</b> <b>Stone &amp; Webster Engineering Corp.</b>		<b>CODE</b> <input checked="" type="checkbox"/> <b>6424</b>	<b>ADDRESS</b> <b>P.O. Box 2325, Boston, MA 02107</b>					
<b>WELL NAME</b> <b>U.S. Department of Energy - Smith, et al</b>				<b>WELL NO</b> <b>No. 1</b>				
<b>PARISH</b> <b>Webster</b>		<b>SEC</b> <b>16</b> <b>TWP</b> <b>17N</b> <b>RGE</b> <b>8W</b>	<b>DATE PERMIT ISSUED</b> <b>10/24/88</b>					
<b>DATE SPUNDED</b> <input checked="" type="checkbox"/> <b>M.O.Y.</b>	<b>DATE READY TO PRODUCE*</b> <b></b>	<b>TOTAL DEPTH</b> <b></b>	<b>PBTG</b>					
<b>GROUND ELEVATION</b> <b></b>		<b>CASING HEAD FLANGE ELEVATION</b> <b></b>	<b>DISTANCE FROM RES TO CHP</b> <b></b>					
<b>DATE WELL TURNED INTO TANKS</b> <b></b>		<b>SINGLE, DUAL OR TRIPLE COMPLETION</b> <b></b>	<b>NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION</b>					
<b>WAS WELL DIRECTIONALLY DRILLED?</b>		<b>WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?</b>	<b>DATE FILED</b>					
<b>TYPE OF ELECTRICAL OR OTHER LOG RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)</b> <b>Cement Bond Log/Gamma Ray/CCL</b>				<b>DATE FILED</b> <b>Filed with this report.</b>				
<b>CASING, LINER AND TUBING RECORD</b>								
<b>CASING SIZE</b> <input checked="" type="checkbox"/> <b>101</b>	<b>HOLE SIZE</b> <b>102</b>	<b>CASING HEIGHT</b> <b>103</b>	<b>DEPTH SET</b> <b>FROM</b> <b>TO</b> <b>104</b>	<b>SACKS CEMENT</b> <b>105</b>	<b>TEST PRESSURE</b> <b>106</b>	<b>HOURS UNDER PRESSURE</b> <b>107</b>	<b>DATE TESTED (MM DD YY)</b> <b>108</b>	<b>NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR</b> <b>109</b>
<b>TUBING SIZE</b> <b>110</b>		<b>DEPTH OF TUBING</b> <b>111</b>		<b>DEPTH OF PACKER(S)</b> <b>112</b>				
<b>INITIAL COMPLETION OR RE-COMPLETION DATA</b>								
<b>INITIAL PRODUCTION</b> <b>BOPD</b>		<b>GAS VOLUME</b> <b>MCF/DAY</b>		<b>GOR</b> <b>CF/BBL</b>	<b>CHORE SIZE</b> <b>113</b>	<b>PRODUCING METHOD</b> <b>114</b>		
<b>FLOWING TUBING PRESSURE</b> <b>PSIG</b>		<b>SHUT-IN TUBING PRESSURE</b> <b>PSIG</b>		<b>CASING PRESSURE</b> <b>PSIG</b>	<b>WATER PRODUCTION</b> <b>PSD</b>	<b>SS&amp;W</b> <b>115</b>		
<b>GRAVITY</b> <b>API 60°F</b>		<b>BHP (SHUT-IN)</b> <b>PSIG</b>		<b>COMPANY REPRESENTATIVE</b> <b>116</b>		<b>DATE GAUGED</b> <b>117</b>		
<b>PLUG AND ABANDON (P&amp;A) DATA</b>								
<b>CASING SIZE</b> <b>118</b>	<b>AMOUNT PULLED</b> <b>119</b>	<b>CEMENT PLUGS</b> <b>FROM</b> <b>TO</b> <b>BACKS</b> <b>HOW PLACED</b>			<b>DATE WORK PERFORMED</b> <b>11-7-88</b>	<b>NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR</b> <b>A.L. Thornton</b>		
<b>Open Hole</b> <b>8 1/2"</b> <b>Casing</b>	<b>0</b> <b>972</b> <b>843</b>	<b>1028</b> <b>843</b> <b>597.23</b>	<b>972</b> <b>843</b> <b>62</b>	<b>55</b> <b>195</b> <b>1.0</b>	<b>Pump Down</b> <b>11-8-88</b> <b>Pump Down</b>	<b>11-8-88</b> <b>O.C. Representative</b>		
<b>9 5/8" Casing</b> <b>0</b>	<b>843</b>	<b>597.23</b>	<b>62</b>	<b>195</b>	<b>Pump Down</b>	<b>11-17-18/88</b>		
<b>Stone &amp; Webster Eng. Corp.</b> <b>CERTIFICATE:</b> I, the undersigned, state: That I am employed by <u>Stone &amp; Webster Eng. Corp.</u> and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge. <b>Signature:</b> <u>Clara Foster</u> <b>Title:</b> <u>Supervisor Geology</u>								
<small>*Data well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.</small>								

## WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
2117-88-1	9-3-88	Gearhart Ind.	Ran Cement Bond Log, Gamma Ray Log, and Casing Collar Locator Log.
2117-88-1	11-7-88	Southwestern Laboratories	Cement Balance Plug In 8 1/2" Open Hole from 1028.56' to 972 and 9 1/2" Casing from 972 to 843.28'. 55 Sacks. Pump Down Method. Slurry Wgt. 13.2 lbs/gal.
2117-88-1	11-7-88	Pool Co.	Disposed 25 BBLS of Brine at Fissette #1.
2117-88-1	11-8-88	Pool Co.	Disposed 100 BBLS of Brine at Fissette #1.
2117-88-1	11-8-88	Southwestern Laboratories	Cement in 9 5/8" casing from 843.28' to 597.23'. Pump Down Method. w/62 Sacks, Slurry wgt. 13.2 lbs/gal.
2117-88-1	11-9-88	Gearhart Ind.	Perforated 9 5/8" casing from 535' to 555'.
2117-88-1	11-10-88	Western	"Bullhead" squeeze w/75 sacks of cement ("H" Neat).
2117-88-1	11-11-88	Gearhart Ind.	Ran Cement Bond Log, Gamma Ray Log and Casing Collar Locator Log.
2117-88-1	11-14-88	Gearhart Ind.	Performed 9 5/8" Casing from 485' - 465'.
2117-88-1	11-16-88	Western Co.	"Bullhead" squeeze w/75 sacks of Class H Neat Cement.
2117-88-1	11-16-88	Gearhart Ind.	Ran Cement Bond Log Gamma Ray Log, and Casing Collar Locator Log. 595 to surface.
2117-88-1	11-17-88	Western Co. for Southwestern Laboratories	Cement Plug in 9 5/8" Casing from 602' to 168.9'. Pump Down Method. 150 sacks Class A Cement with 8 % Bentonite, Slurry wgt. 13.2 lbs/gal.
2117-88-1	11-18-88	Western Co. for Southwestern Laboratories	Cement Plug in 8 5/8" Casing from 168.9' to 3.0'. Pump Down Method. 45 Sacks Class A Cement w/8% Bentonite, Slurry wgt. 13.2 lbs/gal.
2117-88-1	11-20-88	Southwestern	Excavated around well. Cut casing off 3.0' below ground surface. Welded steel cap on casing. Backfilled excavation.
<u>NOTE:</u> See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch ( Attachment 6 PTP 1-18-1)			

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

(Please Check One)  
SALVAGE OIL

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

Page 12 - L-2B

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275

BATON ROUGE, LA 70804-4275

Manifest No.

104639

## GENERATOR'S COPY

FILE 2 S. C. P.  
PROJECT J.O. NO. 17500  
TPSC-SRPO

P.O.C.B. PSC 36

P.O. # 0036

(1617) - 589 - 7058

Telephone No.

PART I:  
CODES

6424

## TO BE COMPLETED BY GENERATOR

↔ Generator

Stone & Webster ENGINEERING CORP. ATT. RT. DECONT  
P.O. Box 2325  
Boston, MA 02107

## ORIGINATION OF WASTE

↔ Name DDF LOUISIANA Power &amp; Light LH-2A #1 Field WILDCAT

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other) LEASE

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	5 BBLs	07 Sands/Solids		13 Salvage BS & W
02 Oil Base Mud		08 Fresh Water		14 Pipeline Test Water
03 Water Base Mud		09 Rainwater		15 Facility Water
04 Completion Fluids		10 Washout Water		16 Cleanup Water
05 Pit Sludges		11 Pit Water		50 Salvage Oil
06 Tank Sludges		12 Gas Plant Water		99 Other

## DESTINATION OF WASTE

↔ Commercial Facility Name Rock SWD plant

Site Address P.O. Box 902

City/State Cullen, Tx

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of Generator's Authorized Agent

Sept 23 88

Date and Time of Shipment

PART II:  
PSC PERMIT

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter PSC Co.

Telephone No.

Address P.O. Box 902

Truck License No.

City/State Cullen, Tx

Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Signature of Transporter's Agent

Date and Time Received

PART III:  
CODE

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator

Site Name

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and Time Received

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET Pg 1

L-2A

(Please Check One)  
SALVAGE OIL

YES	NO
<input checked="" type="checkbox"/>	

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

104003

GENERATOR'S COPY

FILE Z 2.1

V.I. NO. 17500

TPSC-SRPO

P.O. # 0036

1612-589-7058

Telephone No.

PART I: TO BE COMPLETED BY GENERATOR

CODES

6427
999999
1

Generator

STONE &amp; WEBSTER ENG. CORP ATTN: R.T. DECONT

Address

245/12 SUMMER ST.

(612)-589-7058

City/State

BOSTON, MASS. 02107

ORIGINATION OF WASTE

Name D.O.E LP&amp;L LH-2A #1

Field WILMINGTON

Type (1= Lease; 2= Unit; 3= Well; or 5= Other) 1

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	33 BBL	07 Sands/Solids	_____	13 Salvage BS & W	_____
02 Oil Base Mud	_____	08 Fresh Water	_____	14 Pipeline Test Water	_____
03 Water Base Mud	_____	09 Rainwater	_____	15 Facility Water	_____
04 Completion Fluids	_____	10 Washout Water	_____	16 Cleanup Water	_____
05 Pit Sludges	_____	11 Pit Water	_____	50 Salvage Oil	_____
06 Tank Sludges	_____	12 Gas Plant Water	_____	99 Other	_____

DESTINATION OF WASTE

6421
------

Commercial Facility Name Pool Inv.

Site Address BX 902

City/State Springhill, LA 71075

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of Generator's Authorized Agent

9-22-88

Date and Time of Shipment

PART II: PSC PERMIT

5493-C
--------

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

Transporter Pool Co.

318-994-2107

Address BX 902

Telephone No.

City/State Springhill, LA 71075

R46-874

If transported by barge, barge and tug identification \_\_\_\_\_

Truck License No.

0259-134

Trailer License No.

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Signature of Transporter's Agent

9-22-88

Date and Time Received

PART III: CODE

6-21
------

TO BE COMPLETED BY COMMERCIAL FACILITY

Facility Operator Pool Co.

pH

Site Name Fissette #1

Chloride (Mg/l)

Conductivity (mmhos/cm)

Conductivity (mmhos/cm)

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

9-22-88

Date and Time Received

Signature of Facility Agent

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OIL

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

Peg 3  
106793

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY

J.B. NO. 17500

TFSC-SRPO

P.O. 0036

AT: R.T. DeConte

D.O. # 0036

1617-589-7058

Telephone No.

PART I:  
CODES

## TO BE COMPLETED BY GENERATOR

↔ Generator

Stone Webster Eng. Corp

6424

Address

245 1/2 Summer St

City/State

Boston, Mass. 02107

## ORIGINATION OF WASTE

↔ Name DOS-10, Powerplant LH-2B Field \_\_\_\_\_

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>65</u> BBL	07 Sands/Solids	13 Salvage BS & W
02 Oil Base Mud	_____	08 Fresh Water	14 Pipeline Test Water
03 Water Base Mud	_____	09 Rainwater	15 Facility Water
04 Completion Fluids	_____	10 Washout Water	16 Cleanup Water
05 Pit Sludges	_____	11 Pit Water	50 Salvage Oil
06 Tank Sludges	_____	12 Gas Plant Water	99 Other

## DESTINATION OF WASTE

1001 ↔ Commercial Facility Name Pool Co  
 Site Address Box. 902  
 City/State Springhill, LA. 71075

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Richard DeConte

Signature of Generator's Authorized Agent

9-11-88

Date and Time of Shipment

PART II:  
PSC PERMIT

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

5493-C ↔ Transporter Pool Co  
 Address Box. 902  
 City/State Springhill, LA. 71075

318-994-2107

Telephone No.

R46-824

Truck License No.

0259134

Trailer License No.

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Wayne Thomas

Signature of Transporter's Agent

9-11-88

Date and Time Received

PART III:  
CODE

## TO BE COMPLETED BY COMMERCIAL FACILITY

631 ↔ Facility Operator Pool Co,  
 Site Name fisette #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

--

--

--

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Wayne Thomas

Signature of Facility Agent

9-11-88

Date and Time Received



## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OILSTATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

L-2 E

Pg 5

105258

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I:  
CODES

6424

## TO BE COMPLETED BY GENERATOR

↔ Generator

Stone &amp; Webster Eng. Corp

FILE COPY  
J.O. NO. 17500

TFSC-SRPO

P.O. # 0036  
AH: RT. DeCerte  
P.O. # 0036  
16171-587-7058  
Telephone No.

Address

245 1/2 Summer St

City/State

Boston, Mass. 02107

## ORIGINATION OF WASTE

↔ Name DOE-KCI HODGE LUHLA #6C

Field Abchesie Salt Dome

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water 125  
 02 Oil Base Mud \_\_\_\_\_  
 03 Water Base Mud \_\_\_\_\_  
 04 Completion Fluids \_\_\_\_\_  
 05 Pit Sludges \_\_\_\_\_  
 06 Tank Sludges \_\_\_\_\_

07 Sands/Solids \_\_\_\_\_  
 08 Fresh Water \_\_\_\_\_  
 09 Rainwater \_\_\_\_\_  
 10 Washout Water \_\_\_\_\_  
 11 Pit Water \_\_\_\_\_  
 12 Gas Plant Water \_\_\_\_\_

13 Salvage BS & W \_\_\_\_\_  
 14 Pipeline Test Water \_\_\_\_\_  
 15 Facility Water \_\_\_\_\_  
 16 Cleanup Water \_\_\_\_\_  
 50 Salvage Oil \_\_\_\_\_  
 99 Other \_\_\_\_\_

## DESTINATION OF WASTE

↔ Commercial Facility Name Pool CoSite Address Box 902City/State Springfield, Ma

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of Generator's Authorized Agent

10/21/88

Date and Time of Shipment

PART II:  
PSC PERMIT

5493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Co

704-2107

Telephone No.

Address Box 902

PAC 9941-

City/State Springfield, Ma

Truck License No.

D124807

Trailer License No.

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Signature of Transporter's Agent

10/21/88

Date and Time Received

PART III:  
CODE

4091

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool CoSite Name Trieste #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agency

10/21/88

Date and Time Received

(Please Check One)  
SALVAGE OIL

NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

L-2F  
Pg 6  
105262

GENERATOR'S COPY

YES	NO
<input checked="" type="checkbox"/>	X

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

6VH-6A

FILE COPY

J.O. NO. 17500

TFSC-SRPO

P.O. # 00366

4171-589-7138

Telephone No.

PART I:  
CODES

6424  
199949

TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng. Corp.  
Address 245 1/2 Lummus St.  
City/State Boston, Mass. 02107

ORIGINATION OF WASTE

↔ Name Joe - K.C. Dodge 24282 Field Yachie Salt Dome  
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>60</u>	07 Sands/Solids	<u>0</u>	13 Salvage BS & W	<u>0</u>
02 Oil Base Mud	<u>0</u>	08 Fresh Water	<u>0</u>	14 Pipeline Test Water	<u>0</u>
03 Water Base Mud	<u>0</u>	09 Rainwater	<u>0</u>	15 Facility Water	<u>0</u>
04 Completion Fluids	<u>0</u>	10 Washout Water	<u>0</u>	16 Cleanup Water	<u>0</u>
05 Pit Sludges	<u>0</u>	11 Pit Water	<u>0</u>	50 Salvage Oil	<u>0</u>
06 Tank Sludges	<u>0</u>	12 Gas Plant Water	<u>0</u>	99 Other	<u>0</u>

DESTINATION OF WASTE

↔ Commercial Facility Name Pool Co  
Site Address Box 902  
City/State Springfield, La.

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

W.C. Brasher

Signature of Generator's Authorized Agent

10/23/88

Date and Time of Shipment

PART II:  
PSC PERMIT

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Co  
Address Box 902  
City/State Springfield, La.

994-2107

Telephone No.

PP59945

Truck License No.

0124807

Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Mike Tylee

Signature of Transporter's Agent

10/23/88

Date and Time Received

PART III: CODE

TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool Co  
Site Name Lisette #1

pH

Chloride (Mg/l)

Conductivity (mmhos/cm)

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Mike Tylee

Signature of Facility Agent

10/23/88

Date and Time Received

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OILSTATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275

BATON ROUGE, LA 70804-4275

Pg 7  
Manifest No.

L-2G

105273

GENERATOR'S COPY

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I: TO BE COMPLETED BY GENERATOR

6424
1
199999

↔ Generator

Stone &amp; Webster Eng. Corp

Address

245 1/2 Summer St.

City/State

Boston, Mass. 02107

ORIGINATION OF WASTE

↔ Name

L V H-166

Field Machine Shop Done

↔ Type

(1= Lease; 2= Unit; 3= Well; or 5= Other)

FILE COPY  
J.O. NO. 17500  
TFSC-SRPO  
B124-0036  
Vol 1-589-7058

Telephone No.

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)			
01 Salt Water	60	07 Sands/Solids	13 Salvage BS & W
02 Oil Base Mud		08 Fresh Water	14 Pipeline Test Water
03 Water Base Mud		09 Rainwater	15 Facility Water
04 Completion Fluids		10 Washout Water	16 Cleanup Water
05 Pit Sludges		11 Pit Water	50 Salvage Oil
06 Tank Sludges		12 Gas Plant Water	99 Other

DESTINATION OF WASTE

6001
------

↔ Commercial Facility Name

Pool Svrd

Site Address

Box 902

City/State

Springhill, La.

10/26/88

Date and Time of Shipment

Mike Taylor

Signature of Generator's Authorized Agent

PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

5493-C
--------

↔ Transporter

Pool Co

994-2107

Telephone No.

Address

Box 902

8559445

Truck License No.

City/State

Springhill, La.

D174807

Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Mike Taylor

Signature of Transporter's Agent

10/26/88

Date and Time Received

PART III: TO BE COMPLETED BY COMMERCIAL FACILITY

CP1
-----

↔ Facility Operator

Pool Svrd

Site Name

Twitte #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Mike Taylor

Signature of Facility Agent

10/26/88

Date and Time Received

(Please Check One)  
SALVAGE OIL

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275

Manifest No.

BATON ROUGE, LA 70804-4275

L-2H

Pg 8

105464

GENERATOR'S COPY

**FILE COPY**  
**J.O. NO. 17500**  
**TFSC-SRPO**

PO # 0036  
16171-5897058  
Telephone No.

PART I:  
CODES

6424

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

TO BE COMPLETED BY GENERATOR

↔ Generator

Stone & Webster Eng Corp

Address

245 1/2 Summer ST

City/State

Bolton, Mars 02107

ORIGINATION OF WASTE

↔ Name

Doe - KCI Hedge Luh6A Field

Rayburn

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

5 - Other

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water

25

07 Sands/Solids

13 Salvage BS & W

02 Oil Base Mud

14 Pipeline Test Water

03 Water Base Mud

15 Facility Water

04 Completion Fluids

16 Cleanup Water

05 Pit Sludges

50 Salvage Oil

06 Tank Sludges

99 Other

08 Fresh Water

09 Rainwater

10 Washout Water

11 Pit Water

12 Gas Plant Water

DESTINATION OF WASTE

↔ Commercial Facility Name

Pool SWD

6001

Site Address

Po Box 902

City/State

Springhill, LA

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

R. Ray  
Signature of Generator's Authorized Agent

11/2/88  
Date and Time of Shipment

PART II:  
PSC PERMIT

5493-C

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter

Pool Prod

318-994-2152

Address

Po Box 902

Telephone No.

City/State

Springhill, LA

B46871

Truck License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Claudie Ray Dubois  
Signature of Transporter's Agent

11/2/88  
Date and Time Received

PART III:  
CODE

F-301

TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator

Pool SWD

Site Name

Fisette SWD

CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Claudie Ray Dubois  
Signature of Facility Agent

11/2/88  
Date and Time Received

(Please Check One)  
SALVAGE OIL

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

Pg 9 L-21

104610

GENERATOR'S COPY

FILE COPY  
J.O. NO. 17600  
TFSC-SRPO

C.A. FOSTER  
ATTN: R.T. DELONTO  
#040036  
16171-589-7058  
Telephone No.

## PART I: TO BE COMPLETED BY GENERATOR

## CODES

6424

↔ Generator STONE & WEBSTER ENGINEERING CORP.; ATTN: R.T. DELONTO  
Address P.O. BOX 2325  
City/State BOSTON, MA 02107  
↔ Name DOE CONTINENTAL F.I. - LH-7A Field WILDLAT  
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>60</u>	07 Sands/Solids		13 Salvage BS & W	
02 Oil Base Mud		08 Fresh Water		14 Pipeline Test Water	
03 Water Base Mud		09 Rainwater		15 Facility Water	
04 Completion Fluids		10 Washout Water		16 Cleanup Water	
05 Pit Sludges		11 Pit Water		50 Salvage Oil	
06 Tank Sludges		12 Gas Plant Water		99 Other	

## DESTINATION OF WASTE

↔ Commercial Facility Name Pool SWS plant  
Site Address Peterville LA  
City/State P. Box 902 Calcas LA

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of Generator's Authorized Agent

9-20-88 12:53 pm

Date and Time of Shipment

## PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

PSC PERMIT  
\_\_\_\_\_

↔ Transporter Pool Co.  
Address P. Box 902  
City/State Calcas LA

994-207  
Telephone No.#10321  
Truck License No.

Trailer License No.

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

John J. Hall  
Signature of Transporter's Agent

9-20-88  
Date and Time Received

## PART III: TO BE COMPLETED BY COMMERCIAL FACILITY

CODE  
\_\_\_\_\_

↔ Facility Operator \_\_\_\_\_

Site Name \_\_\_\_\_

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

_____	_____	_____
-------	-------	-------

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and Time Received

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OIL

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. U. BOX 44278  
BATON ROUGE, LA 70804-4278

Pg 10 L-2J  
Manifest No.  
104657

GENERATOR'S COPY

FILE COPY  
J.O. NO. 17500  
TFSC-SRPO

PART I:  
CODES69241666667

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

## TO BE COMPLETED BY GENERATOR

↔ Generator

STONE & WEBSTER Eng. Co.

Address

245 SUMMER ST.PO # 0036(1617)-589-2579

City/State

BOSTON, MA 02324

Telephone No.

## ORIGINATION OF WASTE

↔ Name DOE CONTINENTAL FT. LH-7B #1 Field Wildcat  
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>✓ 40 9/18</u>	07 Sands/Solids	13 Salvage BS & W
02 Oil Base Mud	_____	08 Fresh Water	14 Pipeline Test Water
03 Water Base Mud	_____	09 Rainwater	15 Facility Water
04 Completion Fluids	_____	10 Washout Water	16 Cleanup Water
05 Pit Sludges	_____	11 Pit Water	50 Salvage Oil
06 Tank Sludges	_____	12 Gas Plant Water	99 Other

## DESTINATION OF WASTE

<input checked="" type="checkbox"/>
-------------------------------------

↔ Commercial Facility Name Peer Co. Slidell  
Site Address Peerco 1600 LA 70065  
City/State LA 70065

Sept 19 89  
Date and Time of Shipment

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Richard Kranz

Signature of Generator's Authorized Agent

Date and Time of Shipment

PART II:  
PSC PERMIT

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

_____
-------

↔ Transporter Peer Co.  
Address 40 Box 502  
City/State Cypress, TX9/19-21/97  
Telephone No.

Truck License No.

Trailer License No.

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

John J. Fiedel  
Signature of Transporter's AgentSept 19 89  
Date and Time ReceivedPART III:  
CODE

## TO BE COMPLETED BY COMMERCIAL FACILITY

<input checked="" type="checkbox"/>
-------------------------------------

↔ Facility Operator \_\_\_\_\_

Site Name \_\_\_\_\_

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

_____
-------

_____
-------

_____
-------

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Signature of Facility Agent

Date and Time Received

(Please Check One)  
SALVAGE OIL

YES	NO
<input type="radio"/>	<input checked="" type="radio"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275

BATON ROUGE, LA 70804-4275

Manifest No.

P-11/L-2K

105070

GENERATOR'S COPY

FILE COPY  
J.O. NO. 17500  
TPSC-SRPO

PART I: TO BE COMPLETED BY GENERATOR

CODES

6424

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

999999  
2

↔ Generator

Stone + Webster Eng. Corp:

Address

245/12 Summer St

City/State

Boston Mass. 02107

RF# 2036  
1617-589-8613  
Telephone No.

## ORIGINATION OF WASTE

↔ Name CH # 17A

Field

Salt Dm

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>60</u>	07 Sands/Solids		13 Salvage BS & W	
02 Oil Base Mud		08 Fresh Water		14 Pipeline Test Water	
03 Water Base Mud		09 Rainwater		15 Facility Water	
04 Completion Fluids		10 Washout Water		16 Cleanup Water	
05 Pit Sludges		11 Pit Water		50 Salvage Oil	
06 Tank Sludges		12 Gas Plant Water		99 Other	

## DESTINATION OF WASTE

6001

↔ Commercial Facility Name Pool Snd

Site Address POBx 907

City/State Springhill, La. 71075

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Randy A. Johnson

Signature of Generator's Authorized Agent

10-28-88

Date and Time of Shipment

PART II:  
PSC PERMIT

5493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Road

318-994-2107

Telephone No.

Address POBx 907

P059944

City/State Springhill, La. 71075

Truck License No.

If transported by barge, barge and tug identification \_\_\_\_\_

D174806

Barge and Tug Id.

Trailer License No.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Randy A. Johnson

Signature of Transporter's Agent

10-28-88

Date and Time Received

PART III:  
CODE

OPL

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool Snd

Site Name Cisselte #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

--

Conductivity (mmhos/cm)

--

pH

--

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Randy A. Johnson

Signature of Facility Agent

10-28-88

Date and Time Received

(Please Check One)  
SALVAGE OIL

YES	NO
<input type="radio"/>	<input checked="" type="radio"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Pg 12 / L-2L  
Manifest No.  
104015

GENERATOR'S COPY

FILE COPY  
J.O. NO. 17500

TFSC-SRPO

P.O. # 0036

C/R DeGoutte  
16121589-7058

Telephone No.

## PART I:

## CODES

6424

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

## TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng. Corp.

Address 245/12 Summer St.

City/State Boston, Mass. 02107

999999

## ORIGINATION OF WASTE

↔ Name DOE CONT. IND. 1H-178

Field \_\_\_\_\_

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other) \_\_\_\_\_

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>50</u>	07 Sands/Solids	_____	13 Salvage BS & W	_____
02 Oil Base Mud	_____	08 Fresh Water	_____	14 Pipeline Test Water	_____
03 Water Base Mud	_____	09 Rainwater	_____	15 Facility Water	_____
04 Completion Fluids	_____	10 Washout Water	_____	16 Cleanup Water	_____
05 Pit Sludges	_____	11 Pit Water	_____	50 Salvage Oil	_____
06 Tank Sludges	_____	12 Gas Plant Water	_____	99 Other	_____

## DESTINATION OF WASTE

1901

↔ Commercial Facility Name Pool Co.

Site Address Bx. 902

City/State Springhill, LA. 71075

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Richard DeGoutte

Signature of Generator's Authorized Agent

9-26-88

Date and Time of Shipment

## PART II:

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

5493-C

↔ Transporter Pool Co.

318-994-2107

Telephone No.

Address Bx. 902

R46-874

Truck License No.

City/State Springhill, LA. 71075

D259-134

Trailer License No.

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Wayne Thomas

Signature of Transporter's Agent

9-26-88

Date and Time Received

## PART III:

## TO BE COMPLETED BY COMMERCIAL FACILITY

1901

↔ Facility Operator Pool Co.

Site Name fissette #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Wayne Thomas

Signature of Facility Agent

9-26-88

Date and Time Received

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OILSTATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

Pg 13/L-2M  
105271

GENERATOR'S COPY

YES	NO
<input type="radio"/>	<input checked="" type="radio"/>

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I: TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng Corp.  
 Address 245/12 Summer St.  
 City/State Boston, Mass. 02107

FILL COPY  
J.O. NO. 17500  
TFC-9100P.O.# 00361  
Tel 71-589-7058  
Telephone No.

## ORIGINATION OF WASTE

999999 ↔ Name Well V-6 Field Yackie Salt Dome  
 ↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>15</u>	07 Sands/Solids	<u> </u>	13 Salvage BS & W	<u> </u>
02 Oil Base Mud	<u> </u>	08 Fresh Water	<u> </u>	14 Pipeline Test Water	<u> </u>
03 Water Base Mud	<u> </u>	09 Rainwater	<u> </u>	15 Facility Water	<u> </u>
04 Completion Fluids	<u> </u>	10 Washout Water	<u> </u>	16 Cleanup Water	<u> </u>
05 Pit Sludges	<u> </u>	11 Pit Water	<u> </u>	50 Salvage Oil	<u> </u>
06 Tank Sludges	<u> </u>	12 Gas Plant Water	<u> </u>	99 Other	<u> </u>

## DESTINATION OF WASTE

901 ↔ Commercial Facility Name Pool Co.  
 Site Address Box 902  
 City/State Springhill, La.

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

CA Foster  
Signature of Generator's Authorized Agent10/25/88  
Date and Time of ShipmentPART II: PSC PERMIT

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

5093-C ↔ Transporter Pool Co. 994-2107  
 Address Box 902 Telephone No.  
 City/State Springhill, La. Box 9941  
2124807 Truck License No.  
2124807 Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Mike Taylor  
Signature of Transporter's Agent10/25/88  
Date and Time ReceivedPART III: CODE

## TO BE COMPLETED BY COMMERCIAL FACILITY

901 ↔ Facility Operator Pool Co.  
 Site Name Trustee #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Mike Taylor  
Signature of Facility Agent10/25/88  
Date and Time Received

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OILSTATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

Pg 14 / L-2N

104269

GENERATOR'S COPY

FILE COPY  
J.O. NO. 17500  
TSAC-SRPOPART I:  
CODES

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

6424

## TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng'g PC-36  
Address 245 Summer St  
City/State Boston, Mass. 02107  
P.O. # 0026  
(1617-589-7058)  
Telephone No.

999959

## ORIGINATION OF WASTE

↔ Name Doe - V-T Monitoring well Field Vacherie Salt Dca.  
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>5014</u>	07 Sands/Solids	_____	13 Salvage BS & W
02 Oil Base Mud	_____	08 Fresh Water	_____	14 Pipeline Test Water
03 Water Base Mud	_____	09 Rainwater	_____	15 Facility Water
04 Completion Fluids	_____	10 Washout Water	_____	16 Cleanup Water
05 Pit Sludges	_____	11 Pit Water	_____	50 Salvage Oil
06 Tank Sludges	_____	12 Gas Plant Water	_____	99 Other

## DESTINATION OF WASTE

6001

↔ Commercial Facility Name PC-36  
Site Address BX 902  
City/State Springfield, Ma

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Richard Doe  
Signature of Generator's Authorized Agent

9-5-88

Date and Time of Shipment

PART II:  
PSC PERMIT  
6493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter PC-36  
Address BX 902  
City/State Springfield  
Telephone No. 294-8107  
Truck License No. PC-48015  
Trailer License No. 0032858

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Jimmy Dean

Signature of Transporter's Agent

9-5-88

Date and Time Received

PART III:  
CODE  
6001

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator PC-36  
Site Name PC-36

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Jimmy Dean  
Signature of Facility Agent

9-5-88

Date and Time Received

(Please Check One)  
SALVAGE OIL

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Page 15 / L-20  
Manifest No. 104103

GENERATOR'S COPY

## FILE COPY

J.O. NO. 17800  
TPBC-SRPO

Permit No. 104103  
1171-589-8613  
Telephone No.

PART I:  
CODES

6424

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

## TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng. Corp.

Address 10 Box 2325

City/State Boston, Mass. 02107

## ORIGINATION OF WASTE

↔ Name Joe Smith #1

Field Salt Dome

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water

100

07 Sands/Solids

02 Oil Base Mud

08 Fresh Water

13 Salvage BS &amp; W

03 Water Base Mud

09 Rainwater

14 Pipeline Test Water

04 Completion Fluids

10 Washout Water

15 Facility Water

05 Pit Sludges

11 Pit Water

16 Cleanup Water

06 Tank Sludges

12 Gas Plant Water

50 Salvage Oil

99 Other

## DESTINATION OF WASTE

↔ Commercial Facility Name Pool 82D

Site Address Box 902

City/State Springfield, Ia.

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

W.C. Brandon

Signature of Generator's Authorized Agent

11/8/88

Date and Time of Shipment

PART II:  
PSC PERMIT

5493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Co

994-2107

Telephone No.

Address Box 902

105-9943

Truck License No.

City/State Springfield, Ia.

2174807

Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

W.C. Brandon

Signature of Transporter's Agent

11/8/88

Date and Time Received

PART III:  
CODE

5491

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool 82D

Site Name Lisette #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

W.C. Brandon

11/8/88

Date and Time Received

(Please Check One)  
SALVAGE OIL

YES	NO
<input type="radio"/>	<input checked="" type="checkbox"/>

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

PQ 16 / L-20  
104065

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I:  
CODES

6424

157291  
5

## TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng. Corp.  
Address 245 1/2 Summer St.  
City/State Boston, Mass. 02107

## FILE COPY

J.O. NO. 17500

TFSC-SRPO

PQ 16 / L-20  
6121 589-7058

Telephone No.

## ORIGINATION OF WASTE

↔ Name DOE SMITH #1  
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other ~~unselect~~

Field L. Sibley

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water 25  
02 Oil Base Mud \_\_\_\_\_  
03 Water Base Mud \_\_\_\_\_  
04 Completion Fluids \_\_\_\_\_  
05 Pit Sludges \_\_\_\_\_  
06 Tank Sludges \_\_\_\_\_

07 Sands/Solids \_\_\_\_\_  
08 Fresh Water \_\_\_\_\_  
09 Rainwater \_\_\_\_\_  
10 Washout Water \_\_\_\_\_  
11 Pit Water \_\_\_\_\_  
12 Gas Plant Water \_\_\_\_\_

13 Salvage BS & W \_\_\_\_\_  
14 Pipeline Test Water \_\_\_\_\_  
15 Facility Water \_\_\_\_\_  
16 Cleanup Water \_\_\_\_\_  
50 Salvage Oil \_\_\_\_\_  
99 Other \_\_\_\_\_

## DESTINATION OF WASTE

6001

↔ Commercial Facility Name Pool Co.  
Site Address Bx. 902  
City/State Springhill, LA. 71075

11-7-88

Date and Time of Shipment

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

W. Brander

Signature of Generator's Authorized Agent

5493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Co.  
Address Bx. 902  
City/State Springhill, LA. 71075

318-994-2107

Telephone No.

R46-874

Truck License No.

0259-134

Trailer License No.

If transported by barge, barge and tug identification \_\_\_\_\_

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Wayne Thomas

Signature of Transporter's Agent

11-7-88

Date and Time Received

5001

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool Co  
Site Name fusette #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Wayne Thomas

Signature of Facility Agent

11-7-88

Date and Time Received

<b>PART I:</b> <b>TO BE COMPLETED BY GENERATOR</b> <b>NONHAZARDOUS OIL/FIELD WASTE SHIPPING CONTROL TICKET</b> <b>FILE COPY</b> <b>105290</b> <b>17 / L-2</b>		<b>YES</b> <input checked="" type="checkbox"/> <b>NO</b> <input type="checkbox"/> <b>SALVAGE OIL</b> <b>(Please Check One)</b>	
		<b>CODES</b> <b>Generator</b> <b>Address</b> <b>City/State</b> <b>Telephone No.</b> <b>Field</b> <b>Name</b> <b>Type</b> (1=Lease; 2=Unit; 3=Well; or 5=Other)	<b>ORGANIZATION OF WASTE</b> <b>105290</b> <b>Address</b> <b>City/State</b> <b>Telephone No.</b> <b>Field</b> <b>Name</b> <b>Type</b> (1=Lease; 2=Unit; 3=Well; or 5=Other)
<b>WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)</b> <b>01 Salt Water</b> <b>02 Water Base Mud</b> <b>03 Water Base Mud</b> <b>04 Completion Fluids</b> <b>05 Pit Sludges</b> <b>06 Tank Sludges</b> <b>07 Sands/Solids</b> <b>08 Fresh Water</b> <b>09 Rainwater</b> <b>10 Washout Water</b> <b>11 Pit Water</b> <b>12 Gas Plant Water</b> <b>13 Salvage BS &amp; W</b> <b>14 PipeLine Test Water</b> <b>15 Facility Water</b> <b>16 Cleanup Water</b> <b>17 Salvage Oil</b> <b>18 Salvage Oil</b> <b>19 Other</b> <b>20</b> <b>21</b> <b>22</b> <b>23</b> <b>24</b> <b>25</b> <b>26</b> <b>27</b> <b>28</b> <b>29</b> <b>30</b> <b>31</b> <b>32</b> <b>33</b> <b>34</b> <b>35</b> <b>36</b> <b>37</b> <b>38</b> <b>39</b> <b>40</b> <b>41</b> <b>42</b> <b>43</b> <b>44</b> <b>45</b> <b>46</b> <b>47</b> <b>48</b> <b>49</b> <b>50</b> <b>51</b> <b>52</b> <b>53</b> <b>54</b> <b>55</b> <b>56</b> <b>57</b> <b>58</b> <b>59</b> <b>60</b> <b>61</b> <b>62</b> <b>63</b> <b>64</b> <b>65</b> <b>66</b> <b>67</b> <b>68</b> <b>69</b> <b>70</b> <b>71</b> <b>72</b> <b>73</b> <b>74</b> <b>75</b> <b>76</b> <b>77</b> <b>78</b> <b>79</b> <b>80</b> <b>81</b> <b>82</b> <b>83</b> <b>84</b> <b>85</b> <b>86</b> <b>87</b> <b>88</b> <b>89</b> <b>90</b> <b>91</b> <b>92</b> <b>93</b> <b>94</b> <b>95</b> <b>96</b> <b>97</b> <b>98</b> <b>99</b> <b>100</b> <b>101</b> <b>102</b> <b>103</b> <b>104</b> <b>105</b> <b>106</b> <b>107</b> <b>108</b> <b>109</b> <b>110</b> <b>111</b> <b>112</b> <b>113</b> <b>114</b> <b>115</b> <b>116</b> <b>117</b> <b>118</b> <b>119</b> <b>120</b> <b>121</b> <b>122</b> <b>123</b> <b>124</b> <b>125</b> <b>126</b> <b>127</b> <b>128</b> <b>129</b> <b>130</b> <b>131</b> <b>132</b> <b>133</b> <b>134</b> <b>135</b> <b>136</b> <b>137</b> <b>138</b> <b>139</b> <b>140</b> <b>141</b> <b>142</b> <b>143</b> <b>144</b> <b>145</b> <b>146</b> <b>147</b> <b>148</b> <b>149</b> <b>150</b> <b>151</b> <b>152</b> <b>153</b> <b>154</b> <b>155</b> <b>156</b> <b>157</b> <b>158</b> <b>159</b> <b>160</b> <b>161</b> <b>162</b> <b>163</b> <b>164</b> <b>165</b> <b>166</b> <b>167</b> <b>168</b> <b>169</b> <b>170</b> <b>171</b> <b>172</b> <b>173</b> <b>174</b> <b>175</b> <b>176</b> <b>177</b> <b>178</b> <b>179</b> <b>180</b> <b>181</b> <b>182</b> <b>183</b> <b>184</b> <b>185</b> <b>186</b> <b>187</b> <b>188</b> <b>189</b> <b>190</b> <b>191</b> <b>192</b> <b>193</b> <b>194</b> <b>195</b> <b>196</b> <b>197</b> <b>198</b> <b>199</b> <b>200</b> <b>201</b> <b>202</b> <b>203</b> <b>204</b> <b>205</b> <b>206</b> <b>207</b> <b>208</b> <b>209</b> <b>210</b> <b>211</b> <b>212</b> <b>213</b> <b>214</b> <b>215</b> <b>216</b> <b>217</b> <b>218</b> <b>219</b> <b>220</b> <b>221</b> <b>222</b> <b>223</b> <b>224</b> <b>225</b> <b>226</b> <b>227</b> <b>228</b> <b>229</b> <b>230</b> <b>231</b> <b>232</b> <b>233</b> <b>234</b> <b>235</b> <b>236</b> <b>237</b> <b>238</b> <b>239</b> <b>240</b> <b>241</b> <b>242</b> <b>243</b> <b>244</b> <b>245</b> <b>246</b> <b>247</b> <b>248</b> <b>249</b> <b>250</b> <b>251</b> <b>252</b> <b>253</b> <b>254</b> <b>255</b> <b>256</b> <b>257</b> <b>258</b> <b>259</b> <b>260</b> <b>261</b> <b>262</b> <b>263</b> <b>264</b> <b>265</b> <b>266</b> <b>267</b> <b>268</b> <b>269</b> <b>270</b> <b>271</b> <b>272</b> <b>273</b> <b>274</b> <b>275</b> <b>276</b> <b>277</b> <b>278</b> <b>279</b> <b>280</b> <b>281</b> <b>282</b> <b>283</b> <b>284</b> <b>285</b> <b>286</b> <b>287</b> <b>288</b> <b>289</b> <b>290</b> <b>291</b> <b>292</b> <b>293</b> <b>294</b> <b>295</b> <b>296</b> <b>297</b> <b>298</b> <b>299</b> <b>300</b> <b>301</b> <b>302</b> <b>303</b> <b>304</b> <b>305</b> <b>306</b> <b>307</b> <b>308</b> <b>309</b> <b>310</b> <b>311</b> <b>312</b> <b>313</b> <b>314</b> <b>315</b> <b>316</b> <b>317</b> <b>318</b> <b>319</b> <b>320</b> <b>321</b> <b>322</b> <b>323</b> <b>324</b> <b>325</b> <b>326</b> <b>327</b> <b>328</b> <b>329</b> <b>330</b> <b>331</b> <b>332</b> <b>333</b> <b>334</b> <b>335</b> <b>336</b> <b>337</b> <b>338</b> <b>339</b> <b>340</b> <b>341</b> <b>342</b> <b>343</b> <b>344</b> <b>345</b> <b>346</b> <b>347</b> <b>348</b> <b>349</b> <b>350</b> <b>351</b> <b>352</b> <b>353</b> <b>354</b> <b>355</b> <b>356</b> <b>357</b> <b>358</b> <b>359</b> <b>360</b> <b>361</b> <b>362</b> <b>363</b> <b>364</b> <b>365</b> <b>366</b> <b>367</b> <b>368</b> <b>369</b> <b>370</b> <b>371</b> <b>372</b> <b>373</b> <b>374</b> <b>375</b> <b>376</b> <b>377</b> <b>378</b> <b>379</b> <b>380</b> <b>381</b> <b>382</b> <b>383</b> <b>384</b> <b>385</b> <b>386</b> <b>387</b> <b>388</b> <b>389</b> <b>390</b> <b>391</b> <b>392</b> <b>393</b> <b>394</b> <b>395</b> <b>396</b> <b>397</b> <b>398</b> <b>399</b> <b>400</b> <b>401</b> <b>402</b> <b>403</b> <b>404</b> <b>405</b> <b>406</b> <b>407</b> <b>408</b> <b>409</b> <b>410</b> <b>411</b> <b>412</b> <b>413</b> <b>414</b> <b>415</b> <b>416</b> <b>417</b> <b>418</b> <b>419</b> <b>420</b> <b>421</b> <b>422</b> <b>423</b> <b>424</b> <b>425</b> <b>426</b> <b>427</b> <b>428</b> <b>429</b> <b>430</b> <b>431</b> <b>432</b> <b>433</b> <b>434</b> <b>435</b> <b>436</b> <b>437</b> <b>438</b> <b>439</b> <b>440</b> <b>441</b> <b>442</b> <b>443</b> <b>444</b> <b>445</b> <b>446</b> <b>447</b> <b>448</b> <b>449</b> <b>450</b> <b>451</b> <b>452</b> <b>453</b> <b>454</b> <b>455</b> <b>456</b> <b>457</b> <b>458</b> <b>459</b> <b>460</b> <b>461</b> <b>462</b> <b>463</b> <b>464</b> <b>465</b> <b>466</b> <b>467</b> <b>468</b> <b>469</b> <b>470</b> <b>471</b> <b>472</b> <b>473</b> <b>474</b> <b>475</b> <b>476</b> <b>477</b> <b>478</b> <b>479</b> <b>480</b> <b>481</b> <b>482</b> <b>483</b> <b>484</b> <b>485</b> <b>486</b> <b>487</b> <b>488</b> <b>489</b> <b>490</b> <b>491</b> <b>492</b> <b>493</b> <b>494</b> <b>495</b> <b>496</b> <b>497</b> <b>498</b> <b>499</b> <b>500</b> <b>501</b> <b>502</b> <b>503</b> <b>504</b> <b>505</b> <b>506</b> <b>507</b> <b>508</b> <b>509</b> <b>510</b> <b>511</b> <b>512</b> <b>513</b> <b>514</b> <b>515</b> <b>516</b> <b>517</b> <b>518</b> <b>519</b> <b>520</b> <b>521</b> <b>522</b> <b>523</b> <b>524</b> <b>525</b> <b>526</b> <b>527</b> <b>528</b> <b>529</b> <b>530</b> <b>531</b> <b>532</b> <b>533</b> <b>534</b> <b>535</b> <b>536</b> <b>537</b> <b>538</b> <b>539</b> <b>540</b> <b>541</b> <b>542</b> <b>543</b> <b>544</b> <b>545</b> <b>546</b> <b>547</b> <b>548</b> <b>549</b> <b>550</b> <b>551</b> <b>552</b> <b>553</b> <b>554</b> <b>555</b> <b>556</b> <b>557</b> <b>558</b> <b>559</b> <b>560</b> <b>561</b> <b>562</b> <b>563</b> <b>564</b> <b>565</b> <b>566</b> <b>567</b> <b>568</b> <b>569</b> <b>570</b> <b>571</b> <b>572</b> <b>573</b> <b>574</b> <b>575</b> <b>576</b> <b>577</b> <b>578</b> <b>579</b> <b>580</b> <b>581</b> <b>582</b> <b>583</b> <b>584</b> <b>585</b> <b>586</b> <b>587</b> <b>588</b> <b>589</b> <b>590</b> <b>591</b> <b>592</b> <b>593</b> <b>594</b> <b>595</b> <b>596</b> <b>597</b> <b>598</b> <b>599</b> <b>600</b> <b>601</b> <b>602</b> <b>603</b> <b>604</b> <b>605</b> <b>606</b> <b>607</b> <b>608</b> <b>609</b> <b>610</b> <b>611</b> <b>612</b> <b>613</b> <b>614</b> <b>615</b> <b>616</b> <b>617</b> <b>618</b> <b>619</b> <b>620</b> <b>621</b> <b>622</b> <b>623</b> <b>624</b> <b>625</b> <b>626</b> <b>627</b> <b>628</b> <b>629</b> <b>630</b> <b>631</b> <b>632</b> <b>633</b> <b>634</b> <b>635</b> <b>636</b> <b>637</b> <b>638</b> <b>639</b> <b>640</b> <b>641</b> <b>642</b> <b>643</b> <b>644</b> <b>645</b> <b>646</b> <b>647</b> <b>648</b> <b>649</b> <b>650</b> <b>651</b> <b>652</b> <b>653</b> <b>654</b> <b>655</b> <b>656</b> <b>657</b> <b>658</b> <b>659</b> <b>660</b> <b>661</b> <b>662</b> <b>663</b> <b>664</b> <b>665</b> <b>666</b> <b>667</b> <b>668</b> <b>669</b> <b>670</b> <b>671</b> <b>672</b> <b>673</b> <b>674</b> <b>675</b> <b>676</b> <b>677</b> <b>678</b> <b>679</b> <b>680</b> <b>681</b> <b>682</b> <b>683</b> <b>684</b> <b>685</b> <b>686</b> <b>687</b> <b>688</b> <b>689</b> <b>690</b> <b>691</b> <b>692</b> <b>693</b> <b>694</b> <b>695</b> <b>696</b> <b>697</b> <b>698</b> <b>699</b> <b>700</b> <b>701</b> <b>702</b> <b>703</b> <b>704</b> <b>705</b> <b>706</b> <b>707</b> <b>708</b> <b>709</b> <b>710</b> <b>711</b> <b>712</b> <b>713</b> <b>714</b> <b>715</b> <b>716</b> <b>717</b> <b>718</b> <b>719</b> <b>720</b> <b>721</b> <b>722</b> <b>723</b> <b>724</b> <b>725</b> <b>726</b> <b>727</b> <b>728</b> <b>729</b> <b>730</b> <b>731</b> <b>732</b> <b>733</b> <b>734</b> <b>735</b> <b>736</b> <b>737</b> <b>738</b> <b>739</b> <b>740</b> <b>741</b> <b>742</b> <b>743</b> <b>744</b> <b>745</b> <b>746</b> <b>747</b> <b>748</b> <b>749</b> <b>750</b> <b>751</b> <b>752</b> <b>753</b> <b>754</b> <b>755</b> <b>756</b> <b>757</b> <b>758</b> <b>759</b> <b>760</b> <b>761</b> <b>762</b> <b>763</b> <b>764</b> <b>765</b> <b>766</b> <b>767</b> <b>768</b> <b>769</b> <b>770</b> <b>771</b> <b>772</b> <b>773</b> <b>774</b> <b>775</b> <b>776</b> <b>777</b> <b>778</b> <b>779</b> <b>780</b> <b>781</b> <b>782</b> <b>783</b> <b>784</b> <b>785</b> <b>786</b> <b>787</b> <b>788</b> <b>789</b> <b>790</b> <b>791</b> <b>792</b> <b>793</b> <b>794</b> <b>795</b> <b>796</b> <b>797</b> <b>798</b> <b>799</b> <b>800</b> <b>801</b> <b>802</b> <b>803</b> <b>804</b> <b>805</b> <b>806</b> <b>807</b> <b>808</b> <b>809</b> <b>810</b> <b>811</b> <b>812</b> <b>813</b> <b>814</b> <b>815</b> <b>816</b> <b>817</b> <b>818</b> <b>819</b> <b>820</b> <b>821</b> <b>822</b> <b>823</b> <b>824</b> <b>825</b> <b>826</b> <b>827</b> <b>828</b> <b>829</b> <b>830</b> <b>831</b> <b>832</b> <b>833</b> <b>834</b> <b>835</b> <b>836</b> <b>837</b> <b>838</b> <b>839</b> <b>840</b> <b>841</b> <b>842</b> <b>843</b> <b>844</b> <b>845</b> <b>846</b> <b>847</b> <b>848</b> <b>849</b> <b>850</b> <b>851</b> <b>852</b> <b>853</b> <b>854</b> <b>855</b> <b>856</b> <b>857</b> <b>858</b> <b>859</b> <b>860</b> <b>861</b> <b>862</b> <b>863</b> <b>864</b> <b>865</b> <b>866</b> <b>867</b> <b>868</b> <b>869</b> <b>870</b> <b>871</b> <b>872</b> <b>873</b> <b>874</b> <b>875</b> <b>876</b> <b>877</b> <b>878</b> <b>879</b> <b>880</b> <b>881</b> <b>882</b> <b>883</b> <b>884</b> <b>885</b> <b>886</b> <b>887</b> <b>888</b> <b>889</b> <b>890</b> <b>891</b> <b>892</b> <b>893</b> <b>894</b> <b>895</b> <b>896</b> <b>897</b> <b>898</b> <b>899</b> <b>900</b> <b>901</b> <b>902</b> <b>903</b> <b>904</b> <b>905</b> <b>906</b> <b>907</b> <b>908</b> <b>909</b> <b>910</b> <b>911</b> <b>912</b> <b>913</b> <b>914</b> <b>915</b> <b>916</b> <b>917</b> <b>918</b> <b>919</b> <b>920</b> <b>921</b> <b>922</b> <b>923</b> <b>924</b> <b>925</b> <b>926</b> <b>927</b> <b>928</b> <b>929</b> <b>930</b> <b>931</b> <b>932</b> <b>933</b> <b>934</b> <b>935</b> <b>936</b> <b>937</b> <b>938</b> <b>939</b> <b>940</b> <b>941</b> <b>942</b> <b>943</b> <b>944</b> <b>945</b> <b>946</b> <b>947</b> <b>948</b> <b>949</b> <b>950</b> <b>951</b> <b>952</b> <b>953</b> <b>954</b> <b>955</b> <b>956</b> <b>957</b> <b>958</b> <b>959</b> <b>960</b> <b>961</b> <b>962</b> <b>963</b> <b>964</b> <b>965</b> <b>966</b> <b>967</b> <b>968</b> <b>969</b> <b>970</b> <b>971</b> <b>972</b> <b>973</b> <b>974</b> <b>975</b> <b>976</b> <b>977</b> <b>978</b> <b>979</b> <b>980</b> <b>981</b> <b>982</b> <b>983</b> <b>984</b> <b>985</b> <b>986</b> <b>987</b> <b>988</b> <b>989</b> <b>990</b> <b>991</b> <b>992</b> <b>993</b> <b>994</b> <b>995</b> <b>996</b> <b>997</b> <b>998</b> <b>999</b> <b>1000</b> <b>1001</b> <b>1002</b> <b>1003</b> <b>1004</b> <b>1005</b> <b>1006</b> <b>1007</b> <b>1008</b> <b>1009</b> <b>1010</b> <b>1011</b> <b>1012</b> <b>1013</b> <b>1014</b> <b>1015</b> <b>1016</b> <b>1017</b> <b>1018</b> <b>1019</b> <b>1020</b> <b>1021</b> <b>1022</b> <b>1023</b> <b>1024</b> <b>1025</b> <b>1026</b> <b>1027</b> <b>1028</b> <b>1029</b> <b>1030</b> <b>1031</b> <b>1032</b> <b>1033</b> <b>1034</b> <b>1035</b> <b>1036</b> <b>1037</b> <b>1038</b> <b>1039</b> <b>1040</b> <b>1041</b> <b>1042</b> <b>1043</b> <b>1044</b> <b>1045</b> <b>1046</b> <b>1047</b> <b>1048</b> <b>1049</b> <b>1050</b> <b>1051</b> <b>1052</b> <b>1053</b> <b>1054</b> <b>1055</b> <b>1056</b> <b>1057</b> <b>1058</b> <b>1059</b> <b>1060</b> <b>1061</b> <b>1062</b> <b>1063&lt;/b</b>			

(Please Check One)  
SALVAGE OIL

<input type="radio"/>	NO
<input checked="" type="radio"/>	X

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275

BATON ROUGE, LA 70804-4275

Manifest No.

Pg 108 / L - 2R

104080

GENERATOR'S COPY

## FILE COPY

J.O. NO. 17500

TPSC-SRPO

PO# 0036  
(67) - 589 - 8613

Telephone No.

PART I:  
CODES

↔ Generator Stone & Webster Eng. Corp.  
Address P O Box 2325  
City/State BOSTON, MA 02107

999999  
1

## ORIGINATION OF WASTE

↔ Name Joe - Cont  
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

Field Rayburn  
Kalushie Salt Dome

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>288</u>	07 Sands/Solids		13 Salvage BS & W	
02 Oil Base Mud		08 Fresh Water		14 Pipeline Test Water	
03 Water Base Mud		09 Rainwater		15 Facility Water	
04 Completion Fluids		10 Washout Water		16 Cleanup Water	
05 Pit Sludges		11 Pit Water		50 Salvage Oil	
06 Tank Sludges		12 Gas Plant Water		99 Other	

## DESTINATION OF WASTE

001

↔ Commercial Facility Name Pool Inv  
Site Address Box 902  
City/State Springhill, La.

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Mike Tyler

Signature of Generator's Authorized Agent

11/3/88

Date and Time of Shipment

PART II:  
PSC PERMIT

5493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Cr  
Address Box 902  
City/State Springhill, La.

994-2107

Telephone No.

1059945

Truck License No.

0174807

Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug I.D.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

Mike Tyler

11/3/88

Date and Time Received

PART III:  
CODE

001

## TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool Inv  
Site Name Trinette #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

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CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

Mike Tyler

11/3/88

Date and Time Received

## NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

(Please Check One)  
SALVAGE OIL

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
P. O. BOX 44275  
BATON ROUGE, LA 70804-4275

Manifest No.

161221

GENERATOR'S COPY

Pg 19  
L-2SPROJECT TFSC  
J.O. No 17500  
PO. # 0036(16121-589-7058)  
Telephone No.

## PART I:

## TO BE COMPLETED BY GENERATOR

## CODES

16424

Generator

Stone &amp; Webster Eng. Corp.

Address

245/12 Summer St.

City/State

Boston, Mass. 02107

## ORIGINATION OF WASTE

999999  
3

Name

V-5

Field Weldcat

Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

## WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water  
02 Oil Base Mud  
03 Water Base Mud  
04 Completion Fluids  
05 Pit Sludges  
06 Tank Sludges

6 BBL's

07 Sands/Solids  
08 Fresh Water  
09 Rainwater  
10 Washout Water  
11 Pit Water  
12 Gas Plant Water13 Salvage BS & W  
14 Pipeline Test Water  
15 Facility Water  
16 Cleanup Water  
50 Salvage Oil  
99 Other

## DESTINATION OF WASTE

6001

Commercial Facility Name

Pool Inv

Site Address

Bx. 902

City/State

Springhill, LA. 71075

CERTIFICATION: The waste described above was consigned to the carrier named below. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of Generator's Authorized Agent

1-10-89

Date and Time of Shipment

PART II:  
PSC PERMIT

5493-C

## TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

Transporter

Pool Co.

318-994-2107

Address

Bx. 902

Telephone No.

City/State

Springhill, LA. 71075

R46-874

Truck License No.

0259-134

Trailer License No.

If transported by barge, barge and tug identification

Barge and Tug Id.

CERTIFICATION: I certify that the waste in quantity above was received by me for shipment to the above destination.

1-10-89

Date and Time Received

PART III:  
CODE

6001

## TO BE COMPLETED BY COMMERCIAL FACILITY

Facility Operator

Pool Co.

Site Name

fissette #1

## CHEMICAL ANALYSES

Chloride (Mg/l)

Conductivity (mmhos/cm)

pH

CERTIFICATION: I certify that the waste described in Part I was received by me via the transporter described in Part II.

1-10-89

Date and Time Received

**WATER WELL PLUGGING and ABANDONMENT**  
**FORM (DOTD-GW-2)**

**PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM**

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**  
**WATER RESOURCES SECTION**  
**WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
At: Chief - Water Resources Section  
P.O. BOX 9045  
Baton Rouge, LA 70804-9045  
(225) 765-1424

1. WELL OWNER: (If different from owner when drilled, note in item 5) Louisiana Power & Light Co.

ADDRESS: 142 Delaronde St. New Orleans, LA 70174

OWNERS WELL NUMBER (if any) DOE LP & L LH-2A

---

2. LOCATION OF WELL: Parish: Webster, Well is Near, Minden, LA  
 Approximately 2.6 miles from Rt. I-20 Exit 44  
 (Crossroads, Town, City, Railroad, Any Landmark, etc.)  
West on Rt. 79

(Please draw sketch on back of Original)

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3. WELL INFORMATION: Depth of hole, 1850 ft, Diameter of casing 6-5/8 in.,  
 Depth of completed well, 1652 ft, Date completed 04/77 by (Give name  
 of water well contractor who installed well or hole): Jim-Co Drilling Co.

4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) Tremie sand in screen-ed section 1652-1796. Cement/bentonite grout in 6 5/8 casing, surface to 1652. 87 Bentonite Pump down 205 sacks. Slurry wt. 13.2 lbs./gal. Cut casing at 3' depth. Welded steel cap. Backfill upper 3'.

5. REMARKS: 6-5/8" O.D. Casing Surface to 1662'.  
4-1/2" Screen Section 1662' to 1796'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on Sept. 27, 1988 by (name and no. of  
contractor Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: John D. Johnson Date: 12/20/88

REV. 11/05

Local Well No.					Identification Number					OFFICE USE ONLY				
-					3 2 3 5 0 3 0 9 2 2 3 2 8 0 1					D D D C C P Y				

Section 3 Township 18 N Range 10 W Quad. No. \_\_\_\_\_

**PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM**

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**  
**WATER RESOURCES SECTION**  
**WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Child - Water Resources Section  
P.O. Box 94246  
Baton Rouge, LA 70804-9246

1. WELL OWNER: (If different from owner when drilled, note in item 5) Louisiana Power & Light Company

ADDRESS: 142 Delaronde St., New Orleans, LA 70174  
OWNERS WELL NUMBER (If any) DOE LP&L LH-2B

---

2. LOCATION OF WELL: Parish: Webster, Well is Near, Minden, LA  
Approximately 2.6 miles from Rt I-20 Exit 44  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
West on Rt 79

(Please draw sketch on back of Original)

---

3. WELL INFORMATION: Depth of hole, 752 ft, Diameter of casing 6-5/8 in.,  
Depth of completed well, 752 ft, Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co

4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) Cement/bentonite grout, surface to 744; Pump-down: 87 bentonite, slurry wt. 12.6-13.3 lbs./gal. 97 sacks, Cut casing at 3' depth; welded steel cap, backfill upper 3'.

5. REMARKS: 6-5/8" O.D. Casing surface to 655', 4-1/2" screen section 658 to 744'; 2-3/8" tubing cemented in hole from 73' to 737'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on Sept. 27, 1988 by (name and no. of  
contractor Southwestern Laboratories, Inc. WMC 261  
Authorized Signature: Mark S. Schreiber Date: 12/20/88

State  
2 2

Local Well No.	Identification Number	OFFICE USE ONLY
-	3 2 3 5 0 3 0 9 2 2 3 2 8 0 2	DOTD COPY

Section 3	Township 18N	Range 10W	Quad. No.
--------------	-----------------	--------------	-----------

**PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM**

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. BOX 9426  
Baton Rouge, LA 70804-9426

1. WELL OWNER: (If different from owner when drilled, note in item 5) Louisiana Power & Light Co.

ADDRESS: 142 Delaronde St., New Orleans, LA 70174

OWNERS WELL NUMBER (if any) DOE - LP&L LH-2WS

---

2. LOCATION OF WELL: Parish: Webster Well is Near, Minden, LA  
 Approximately 2.6 miles from Rt. I-20 Exit 44  
 (Crossroads, Town, City, Railroad, Any Landmark, etc.)  
West on 79

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(Please draw sketch on back of Original)

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4. Describe in detail how well or hole was plugged. (materials used, amount of casing and/or screen removed, etc.) Set retainer at 39'.  
Squeeze 6 sacks cement into screen section.  
Perforate 20'-50' and squeeze 42 sacks. Drill out squeeze to retainer, run geophysical logs and cement plug 4 sacks in 4 1/2" casing. Cut casing at 3' depth. Welded steel cap.  
Backfill upper 3'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on Sept. 27, 1988 by (name and no. of  
engineer): Southwestern Laboratories, Inc. 261

State  
2 2

Local Well No.	Identification Number	OFFICE USE ONLY
-	3 2 3 5 0 3 6 9 2 2 3 2 8 0 3	DCTD COPY

Section 3 Township 18 N Range 10 W Quad. No. \_\_\_\_\_

**WATER WELL PLUGGING and ABANDONMENT  
FORM (DOTD-GW-2)**

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9245  
(225) 379-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) KCI Hedge Holdings, Inc.  
ADDRESS: 1111 Fannin St., Suite 500 Houston, TX 77002  
OWNERS WELL NUMBER (if any) DOE-KCI Hedge Holdings LVH-6A

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Fryeburg, LA  
Approximately 0.6 miles from Intersection Parish Rds.  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
499 and 516

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 3000 ft., Diameter of casing 6-5/8 in.,  
Depth of completed well, 2710 ft., Date completed 1977 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co.  
Shreveport, LA

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY			
<u>2 2</u>	<u>      </u>	<u>-      </u>	<u>3 2 2 4 5 7 0 9 3 1 0 0 3 0 1</u>	Section	Township	Range	Quad. No.
DOTD COPY							

(REV.11/85)

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)

Pump down 8% Bentonite 92% Cement

2504 to 1349 163 Sacks

1349 to 138 155 Sacks

3 to 138

Cut off @ 3'. Welded steel cap. Backfill  
upper 3'.

5. REMARKS: Obstruction at 2504 foot depth.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/18, 1988 by (name and no. of  
contractor) Southwestern Laboratories, Inc. WWC 261  
Authorized Signature: John D. Johnson Date: 02/03/89

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9245  
(225) 379-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) KCI Hedge Holdings Inc.  
ADDRESS: 1111 Fannin St., Suite 500 Houston, TX 77002  
OWNERS WELL NUMBER (if any) DOE-KCI Hedge Holdings LVH-6B

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Fryeburg, LA  
Approximately 0.6 miles from Intersection of Parish  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
Roads 499 and 516

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 1935 ft., Diameter of casing 6-5/8 in.,  
Depth of completed well, 1935 ft., Date completed 1977 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co.  
Shreveport, LA

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY			
<u>2 2</u>	<u>      </u>	<u>-      </u>	<u>3 2 2 4 5 7 0 9 3 1 0 0 3 0 2</u>	Section	Township	Range	Quad. No.
DOTD COPY							

(REV.11/85)

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)

Pump down 8% Bentonite 92% Cement

1786 to 3' 244 Sacks

Cut off at 3'. Welded steel cap. Backfill  
upper 3'.

5. REMARKS: Obstruction at 1786'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/17, 1988 by (name and no. of  
contractor) Southwestern Laboratories, Inc. WWC 261  
Authorized Signature: John D. Johnson Date: 02/03/89

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9245  
(225) 379-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) KCI Hedge Holdings, Inc.  
ADDRESS: 1111 Fannin St., Suite 500 Houston, TX 77002  
OWNERS WELL NUMBER (if any) DOE/KCI Hedge Holdings LVH-6C

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Fryeburg, LA  
Approximately 0.6 miles from Intersection of Parish  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
Roads 499 and 516

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 985 ft., Diameter of casing 6-5/8 in.,  
Depth of completed well, 985 ft., Date completed 1977 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co.  
Shreveport, LA

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY			
<u>2 2</u>	<u>      </u>	<u>-      </u>	<u>3 2 2 4 5 7 0 9 3 1 0 0 3 0 3</u>	Section	Township	Range	Quad. No.
DOTD COPY							

(REV.11/85)

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)

Pump down 8% Bentonite 92% Cement

868 to 113 95 Sacks

113 to 3 12 Sacks

Cut off at 3'. Welded steel cap.

Backfill upper 3'.

5. REMARKS: Obstruction at 868'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/16, 1988 by (name and no. of  
contractor) Southwestern Laboratories, Inc. WWC 261  
Authorized Signature: John D. Johnson Date: 02/03/89

**WATER WELL PLUGGING and ABANDONMENT  
FORM (DOTD-GW-2)**

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 9425  
Baton Rouge, LA 70804-9425  
(225) 379-1634

1. WELL OWNER: (if different from owner when drilled, note in item 5) <u>KCI Hodge Holdings, Inc.</u> ADDRESS: <u>1111 Fannin St., Suite 500 Houston, TX 77002</u> OWNERS WELL NUMBER (if any) <u>DOE/KCI Hodge Holdings LH-6WS</u>	4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) <u>93' to 38' Tremie Sand 5 Sacks</u> <u>38' to 4.5' Pump Down Grout 8% Bentonite</u> <u>92% Cement 3 Sacks</u> <u>Cutoff at 4.5' Welded Steel Cap</u> <u>Backfill to surface.</u>
2. LOCATION OF WELL: Parish: <u>Bienville</u> Well is Near, <u>Fryeburg, LA</u> Approximately <u>0.6</u> miles from <u>Intersection of Parish</u> (Crossroads, Town, City, Railroad, Any Landmark, etc.) <u>Roads 499 and 516</u> (Please draw sketch on back of Original)	5. REMARKS: <u>Abandoned Water Supply Well</u> <u>Bottom of screen at 93' Tail pipe to 98'</u> <u>Gravel pack to 144'</u>
3. WELL INFORMATION: Depth of hole, <u>144</u> ft., Diameter of casing <u>4.5</u> in., Depth of completed well, <u>99</u> ft., Date completed <u>04/77</u> by (Give name of water well contractor who installed well or hole): <u>Jim-Co Drilling Co.</u> <u>Shreveport, LA</u>	I certify that this work was done and completed in accordance with Rules and Regulations of the State on <u>11/18</u> , '88 by (name and no. of contractor <u>Southwestern Laboratories, Inc.</u> wwc. 261 Authorized Signature: <u>Lloyd S. Gourley</u> Date: <u>02/03/89</u>

State <u>22</u> Parish <u>      </u> Local Well No. <u>-      </u> Identification Number <u>322457093100304</u>	OFFICE USE ONLY				
	Section <u>35</u>	Township <u>17N</u>	Range <u>8W</u>	Quad. No. <u>      </u>	DOTD COPY
(REV.11/88)					

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 9425  
Baton Rouge, LA 70804-9425  
(225) 379-1634

1. WELL OWNER: (if different from owner when drilled, note in item 5) <u>KCI Hodge Holdings, Inc.</u> ADDRESS: <u>1111 Fannin St., Suite 500 Houston, TX 77002</u> OWNERS WELL NUMBER (if any) <u>KCI Hodge Holdings LH-7A</u>	4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) <u>156' to 146' Tremie Sand 9 Sacks</u> <u>146' to Surface Pump Down Grout</u> <u>8% Bentonite 92% Cement 20 Sacks</u> <u>Get 3' Below Ground Surface. Welded steel</u> <u>cap. Backfill upper 3 feet.</u>
2. LOCATION OF WELL: Parish: <u>Bienville</u> Well is Near, <u>Arcadia</u> Approximately <u>3.9</u> miles from <u>Rt. 147, South on</u> (Crossroads, Town, City, Railroad, Any Landmark, etc.) <u>Parish Road 173.</u> (Please draw sketch on back of Original)	5. REMARKS: <u>12-3/4 inch surface casing 0-400'</u> <u>20" conductor pipe, 0 to 57'</u>
3. WELL INFORMATION: Depth of hole, <u>2619</u> ft., Diameter of casing <u>6-5/8</u> in., Depth of completed well, <u>1570</u> ft., Date completed <u>04/77</u> by (Give name of water well contractor who installed well or hole): <u>Jim-Co Drilling Co.</u> <u>Shreveport, LA</u>	I certify that this work was done and completed in accordance with Rules and Regulations of the State on <u>11/30</u> , '88 by (name and no. of contractor <u>Southwestern Laboratories, Inc.</u> wwc. 261 Authorized Signature: <u>Lloyd S. Gourley</u> Date: <u>02/03/89</u>

State <u>22</u> Parish <u>      </u> Local Well No. <u>-      </u> Identification Number <u>322900092544001</u>	OFFICE USE ONLY				
	Section <u>5</u>	Township <u>17N</u>	Range <u>5W</u>	Quad. No. <u>      </u>	DOTD COPY
(REV.11/88)					

PLEASE PRINT IN  
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THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 9425  
Baton Rouge, LA 70804-9425  
(225) 379-1634

1. WELL OWNER: (if different from owner when drilled, note in item 5) <u>KCI Hodge Holdings, Inc.</u> ADDRESS: <u>1111 Fannin St., Suite 500 Houston, TX 77002</u> OWNERS WELL NUMBER (if any) <u>KCI Hodge Holdings LH-7B</u>	4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) <u>1047' to 932' Tremie Sand 11 Sacks</u> <u>932' to surface pump down grout 124 sacks</u> <u>8% Bentonite 92% Cement</u> <u>Cutoff at 3' Welded steel cap. Backfill</u> <u>to surface.</u>
2. LOCATION OF WELL: Parish: <u>Bienville</u> Well is Near, <u>Arcadia, LA</u> Approximately <u>3.9</u> miles from <u>Rt. 147, South on</u> (Crossroads, Town, City, Railroad, Any Landmark, etc.) <u>Parish road 173.</u> (Please draw sketch on back of Original)	5. REMARKS: <u>20" Conductor pipe, 0 to 57'</u>
3. WELL INFORMATION: Depth of hole, <u>1052</u> ft., Diameter of casing <u>6-5/8</u> in., Depth of completed well, <u>1047</u> ft., Date completed <u>04/77</u> by (Give name of water well contractor who installed well or hole): <u>Jim-Co Drilling Co.</u> <u>Shreveport, LA</u>	I certify that this work was done and completed in accordance with Rules and Regulations of the State on <u>11/30</u> , '88 by (name and no. of contractor <u>Southwestern Laboratories, Inc.</u> wwc. 261 Authorized Signature: <u>Lloyd S. Gourley</u> Date: <u>02/03/89</u>

State <u>22</u> Parish <u>      </u> Local Well No. <u>-      </u> Identification Number <u>322900092544002</u>	OFFICE USE ONLY				
	Section <u>8</u>	Township <u>17N</u>	Range <u>5W</u>	Quad. No. <u>      </u>	DOTD COPY
(REV.11/88)					

**WATER WELL PLUGGING and ABANDONMENT  
FORM (DOTD-GW-2)**

PLEASE PRINT IN  
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**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9425  
(504) 379-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) KCI Hodge Holdings, Inc.  
ADDRESS: 1111 Fannin St., Suite 500 Houston, TX 77002  
OWNERS WELL NUMBER (if any) KCI Hodge Holdings LH-7WS

2. LOCATION OF WELL: Parish: Bienville Well is Near, Arcadia, LA  
Approximately 3.9 miles from Rt. 147, south on  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
Parish road 173

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 743 ft., Diameter of casing 6-5/8 in.,  
Depth of completed well, 595 ft., Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co.  
Shreveport, LA

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)  
590' to 460' Tremie sand 12 sacks  
460' to 3' pump down grout 47 sacks  
87 Bentonite 92% Cement  
Welded steel cap at 3 feet. Backfill upper  
3 feet.

5. REMARKS: Observation water well for rig supply.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/30 19 88 by (name and no. of  
contractor Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: Lloyd J. Horne Date: 02/03/89

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY	Section	Township	Range	Quad. No.
<u>22</u>	<input type="checkbox"/>	<u>-</u> <input type="checkbox"/>	<u>3 2 2 9 0 0 0 9 2 5 4 4 0 0 3</u>	DOTD COPY	<input type="checkbox"/> <u>8</u>	<u>1 7 N</u>	<input type="checkbox"/> <u>5 W</u>	<input type="checkbox"/>

(REV.11/88)

PLEASE PRINT IN  
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**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9425  
(504) 379-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) KCI Hodge Holdings, Inc.  
ADDRESS: 1111 Fannin St., Suite 500 Houston, TX 77002  
OWNERS WELL NUMBER (if any) KCI Hodge Holdings LH-17A

2. LOCATION OF WELL: Parish: Bienville Well is Near, Ringgold, LA  
Approximately 0.4 miles from Rt. 154 south on 536  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 2400 ft., Diameter of casing 6-5/8 in.,  
Depth of completed well, 2045 ft., Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co.  
Shreveport, LA

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)  
2022' to 1960' Tremie sand 3 sacks  
1960' to 3' Pumpdown grout 204 sacks  
87 Bentonite 92% Cement  
Cut off at 3 feet. Welded steel plate  
backfill to surface.

5. REMARKS: 10.75" Surface casing 0 to 400'.  
20.0" Conductor pipe 0 to 48'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/21 19 88 by (name and no. of  
contractor Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: Lloyd J. Horne Date: 02/03/89

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY	Section	Township	Range	Quad. No.
<u>22</u>	<input type="checkbox"/>	<u>-</u> <input type="checkbox"/>	<u>3 2 1 8 0 4 0 9 3 2 0 2 5 0 1</u>	DOTD COPY	<input type="checkbox"/> <u>1 2</u>	<u>1 5 N</u>	<input type="checkbox"/> <u>1 0 W</u>	<input type="checkbox"/>

(REV.11/88)

PLEASE PRINT IN  
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**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9425  
(504) 379-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) KCI Hodge Holdings, Inc.  
ADDRESS: 1111 Fannin St., Suite 500 Houston, TX 77002  
OWNERS WELL NUMBER (if any) KCI Hodge Holdings LH-17B

2. LOCATION OF WELL: Parish: Bienville Well is Near, Ringgold, LA  
Approximately 0.4 miles from Rt. 154 South on 536  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 1385 ft., Diameter of casing 6-5/8 in.,  
Depth of completed well, 1385 ft., Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Jim-Co Drilling Co.  
Shreveport, LA

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)  
1372' to 1298' Tremie Sand 7 sacks  
1298' to 3' pump down grout 278 sacks  
87 Bentonite 92% Cement  
Cut off at 3'. Welded steel cap. Backfill  
upper 3 feet.

5. REMARKS: 20" Conductor pipe 0 to 47'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/21 19 88 by (name and no. of  
contractor Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: Lloyd J. Horne Date: 02/03/89

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY	Section	Township	Range	Quad. No.
<u>22</u>	<input type="checkbox"/>	<u>-</u> <input type="checkbox"/>	<u>3 2 1 8 0 4 0 9 3 2 0 2 5 0 2</u>	DOTD COPY	<input type="checkbox"/> <u>1 2</u>	<u>1 5 N</u>	<input type="checkbox"/> <u>1 0 W</u>	<input type="checkbox"/>

(REV.11/88)

**WATER WELL PLUGGING and ABANDONMENT  
FORM (DOTD-GW-2)**

PLEASE PRINT IN  
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**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. BOX 9248  
Baton Rouge, LA 70804-9248  
(504) 376-1404

1. WELL OWNER: (if different from owner when drilled, note in item 5) KCI Hedge Holdings, Inc.  
ADDRESS: 111 Fannin St., Suite 500 Houston, Tx77002  
OWNERS WELL NUMBER (if any) KCI Hedge Holdings LH-17WS

2. LOCATION OF WELL: Parish: Bienville Well is Near, Ringgold, LA  
Approximately 0.4 miles from Rt. 154 south on 536  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 502 ft. Diameter of casing 4.5 in.  
Depth of completed well, 436 ft. Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Continental Engine & Pump  
Chesapeake, IA

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY	Section	Township	Range	Quad. No.
<u>22</u>	<u>      </u>	<u>      </u>	<u>3 2 1 8 0 4 0 9 3 2 0 2 5 0 3</u>	DOTD COPY	<u>1 2</u>	<u>1 5 N</u>	<u>1 0 W</u>	<u>      </u>

(REV.11/86)

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)  
428' to 282' Tremie sand 15 sacks  
282' to 3' pump down grout 15 sacks  
Cut off at 3'. Welded steel cap. Backfill  
upper 3 feet.

5. REMARKS:

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/21/88 by (name and no. of  
contractor) Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: Robert L. Moore Date: 02/03/89

PLEASE PRINT IN  
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THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. BOX 9248  
Baton Rouge, LA 70804-9248  
(504) 376-1404

1. WELL OWNER: (if different from owner when drilled, note in item 5) Norbert C. Rayford  
ADDRESS: 7727 Nottingham St. Baton Rouge, LA 70807  
OWNERS WELL NUMBER (if any) DOE N.C. Rayford V-4

2. LOCATION OF WELL: Parish: Webster Well is Near, Heflin, LA  
Approximately 1 miles from Intersection of Parish  
Roads 171 and 165  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 754 ft. Diameter of casing 6 in.  
Depth of completed well, 488 ft. Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Layne Central Div.  
Cleveland, Mississippi

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY	Section	Township	Range	Quad. No.
<u>22</u>	<u>      </u>	<u>      </u>	<u>3 2 2 7 5 3 0 9 3 1 1 0 1 0 1</u>	DOTD COPY	<u>1 5</u>	<u>1 7 N</u>	<u>8 W</u>	<u>      </u>

(REV.11/86)

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)  
406' to 475' Tremie Sand 2 Sacks  
475 to 3' Pump Down Grout 45 Sacks  
Cut off at 3'. Welded Steel Cap. Backfill  
upper 3 feet.

5. REMARKS:

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/15/88 by (name and no. of  
contractor) Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: Robert L. Moore Date: 02/03/89

PLEASE PRINT IN  
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**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. BOX 9248  
Baton Rouge, LA 70804-9248  
(504) 376-1404

1. WELL OWNER: (if different from owner when drilled, note in item 5) Effie Holley Smith Connell et. al.  
ADDRESS: Heflin, LA 71039  
OWNERS WELL NUMBER (if any) Effie H.S. Connell et.al. V-5

2. LOCATION OF WELL: Parish: Bienville Well is Near, Heflin, LA  
Approximately 2.3 miles from Intersection of Parish  
Roads 497 and 499  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 815 ft. Diameter of casing 5.0 in.  
Depth of completed well, 387 ft. Date completed 03/77 by (Give name  
of water well contractor who installed well or hole): Layne Central Div.  
Cleveland, Miss.

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)  
404 to 387' open hole  
387 to 367' Tremie Sand 11 Sacks  
367 to 3' Pump down grout 33 sacks

5. REMARKS: Previously plugged. 815 to 404.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 01/10/89 by (name and no. of  
contractor) Southwestern Laboratories, Inc. wwc 261  
Authorized Signature: Robert L. Moore Date: 02/03/89

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY	Section	Township	Range	Quad. No.
<u>22</u>	<u>      </u>	<u>      </u>	<u>3 2 2 6 4 9 0 9 3 1 1 0 0 1</u>	DOTD COPY	<u>2 2</u>	<u>1 7 N</u>	<u>0 8 W</u>	<u>      </u>

(REV.11/86)

# WATER WELL PLUGGING and ABANDONMENT FORM (DOTD-GW-2)

PLEASE PRINT IN  
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## LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT WATER RESOURCES SECTION WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-94245  
(504) 376-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) Garland P. Theus

ADDRESS: P. O. Box 165 Dubberly, LA 71024

OWNERS WELL NUMBER (if any) DOE-G.P.Theus V-6

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Fryberg, LA  
Approximately 2.6 miles from Intersection of Parish  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
Roads 259 and 469 and on 47

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 643 ft, Diameter of casing 5.5 in.,  
Depth of completed well, 608 ft, Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Lanford Drilling Co.  
Shreveport, LA

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY
<u>2 2</u>	<u>      </u>	<u>-      </u>	<u>3 2 2 6 3 8 0 9 3 1 1 0 6 0 1</u>	<u>Section</u> <u>2 2</u> <u>Township</u> <u>1 7 N</u> <u>Range</u> <u>0 8 W</u> <u>Quad. No.</u> <u>      </u>

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)

603' to 3' Pump Down Grout 46 Sacks

82 Bentonite 92% Cement

5. REMARKS:

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/15, 1988 by (name and no. of  
contractor Southwestern Laboratories, Inc. WWC-261  
Authorized Signature Loyd J. Brown Date: 02/03/89

(REV.11/88)

PLEASE PRINT IN  
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## LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT WATER RESOURCES SECTION WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-94245  
(504) 376-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) Effie Holley Smith Connell et, al.

ADDRESS: Box 14 Heflin, LA 71039

OWNERS WELL NUMBER (if any) DOE - E.S. Connell V-7

2. LOCATION OF WELL: Parish: Webster, Well is Near, Heflin, LA  
Approximately 1 miles from South of Intersection  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
of Parish Roads 171 and 169

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 849 ft, Diameter of casing 5 1/2 in.,  
Depth of completed well, 849 ft, Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Lanford Drilling Co.  
Shreveport, LA

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY
<u>2 2</u>	<u>      </u>	<u>-      </u>	<u>3 2 2 7 4 1 0 9 3 1 2 2 2 0 1</u>	<u>Section</u> <u>1 7</u> <u>Township</u> <u>1 7 N</u> <u>Range</u> <u>8 W</u> <u>Quad. No.</u> <u>      </u>

(REV.11/88)

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)

fished for obstruction at 746'. Cement

bentonite, 77 sacks cement. Cut casing at

3' depth. Welded steel cap. Backfill upper

3'.

Pumpdown, surface to 742', 8% bentonite.

5. REMARKS: Obtained variance to plug above

obstruction at 746'. 5 1/2" casing to 796'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on Sept. 27, 1988 by (name and no. of  
contractor Southwestern Laboratories, Inc. WWC-261  
Authorized Signature Loyd J. Brown Date: 12/20/88

PLEASE PRINT IN  
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## LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT WATER RESOURCES SECTION WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-94245  
(504) 376-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) Derwood D. Hines

ADDRESS: Rt. 1 Box 79 Bienville, LA 71008

OWNERS WELL NUMBER (if any) DOE Derwood D. Hines LSU-R1A

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Friendship, LA  
Approximately 0.25 miles from Western intersection  
(Crossroads, Town, City, Railroad, Any Landmark, etc.)  
of Hwy. 4 and 155.

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 1112 ft, Diameter of casing 4.0 in.,  
Depth of completed well, 489 ft, Date completed 04/77 by (Give name  
of water well contractor who installed well or hole): Stamm-Scheele Inc.

4. Describe in detail how well or hole was plugged: (materials used, amount of casing  
and/or screen removed, or left in hole, etc.)

485' to 454' Tremie sand 2 sacks

454' to 3' pump down 24 sacks grout

82 Bentonite 92% Cement

Cut off at 3'. Welded steel cap. Backfill

upper 3 feet.

5. REMARKS: 7" Surface casing 0 to 60'.

I certify that this work was done and completed in accordance with Rules and Regulations  
of the State on 11/20, 1989 by (name and no. of  
contractor Southwestern Laboratories, Inc. WWC-261  
Authorized Signature Loyd J. Brown Date: 02/03/89

State	Parish	Local Well No.	Identification Number	OFFICE USE ONLY
<u>2 2</u>	<u>      </u>	<u>-      </u>	<u>3 2 1 4 1 6 0 9 2 5 4 5 9 0 1</u>	<u>Section</u> <u>3 1</u> <u>Township</u> <u>1 5 N</u> <u>Range</u> <u>0 5 W</u> <u>Quad. No.</u> <u>      </u>

(REV.11/88)

**WATER WELL PLUGGING AND ABANDONMENT  
FORM (DOTD-GW-2)**

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9425  
(504) 329-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) <u>Continental Hodge Woodlands, Inc.</u> ADDRESS: <u>P. O. Drawer Hodge, LA 71247</u> OWNERS WELL NUMBER (if any) <u>DOE Continental F.I. et.al. No 1</u>	4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) <u>478 to 3' pump down 157 sacks grout</u> <u>8% Bentonite 92% Cement</u> <u>Cut off at 3'. Welded steel cap. Backfill</u> <u>upper 3 feet.</u>
2. LOCATION OF WELL: Parish: <u>Bienville</u> Well is Near, <u>Lucky, LA</u> Approximately <u>4</u> miles from <u>Lucky, east on Rt 4</u> (Crossroads, Town, City, Railroad, Any Landmark, etc.) <u>680' down access road on south side of Rt. 4</u> (Please draw sketch on back of Original)	5. REMARKS: Open 8.5" uncased hole, 5013 to 424'. 13.6" Conductor Pipe, 59' to surface.
3. WELL INFORMATION: Depth of hole, <u>5013</u> ft, Diameter of casing <u>9-5/8</u> in., Depth of completed well, <u>424</u> ft, Date completed <u>04/77</u> by (Give name of water well contractor who installed well or hole): <u>Unknown</u>	I certify that this work was done and completed in accordance with Rules and Regulations of the State on <u>12/01</u> , 19 <u>88</u> by (name and no. of contractor) <u>Southwestern Laboratories, Inc. wwc 261</u> Authorized Signature: <u>Haydeé Boone</u> Date: <u>02/03/89</u>

State <u>22</u>	Parish <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Local Well No. <u>-</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Identification Number <u>3 2 1 4 2 4 0 9 2 5 5 2 9 0 1</u>	OFFICE USE ONLY	Section <u>31</u>	Township <u>15 N</u>	Range <u>5 W</u>	Quad. No. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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(REV.11-88)

PLEASE PRINT IN  
INK OR TYPE  
WHEN COMPLETING  
THIS FORM

**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
WATER RESOURCES SECTION  
WATER WELL PLUGGING AND ABANDONMENT FORM (DOTD-GW-2)**

MAIL ORIGINAL TO  
Department of  
Transportation and Development  
Attn: Chief - Water Resources Section  
P.O. Box 94245  
Baton Rouge, LA 70804-9425  
(504) 329-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) <u>Effie Holley Smith Connell et. al.</u> ADDRESS: <u>Heflin, LA 71309</u> OWNERS WELL NUMBER (if any) <u>DOE/Smith et.al. No. 1</u>	4. Describe in detail how well or hole was plugged: (materials used, amount of casing and/or screen removed, or left in hole, etc.) <u>1028 to 3' Pump down grout 312 sacks.</u> <u>8% Bentonite 92% Cement</u> <u>Cut off at 3'. Welded steel cap. Backfill</u> <u>to surface.</u>
2. LOCATION OF WELL: Parish: <u>Webster</u> Well is Near, <u>Heflin, LA</u> Approximately <u>0.7</u> miles from <u>Eastern end of Parish</u> (Crossroads, Town, City, Railroad, Any Landmark, etc.) <u>Road 169 on an access road to the right.</u> (Please draw sketch on back of Original)	5. REMARKS: Open uncased hole 5043' to 1028'. Surface casing to 297' depth conductor casing to 60'.
3. WELL INFORMATION: Depth of hole, <u>5043</u> ft, Diameter of casing <u>9-5/8</u> in., Depth of completed well, <u>972</u> ft, Date completed <u>04/77</u> by (Give name of water well contractor who installed well or hole): <u>Unknown</u>	I certify that this work was done and completed in accordance with Rules and Regulations of the State on <u>11/20</u> , 19 <u>88</u> by (name and no. of contractor) <u>Southwestern Laboratories, Inc. wwc 261</u> Authorized Signature: <u>Haydeé Boone</u> Date: <u>02/03/89</u>

State <u>22</u>	Parish <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Local Well No. <u>-</u> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Identification Number <u>3 2 2 7 4 3 0 9 3 1 1 5 8 6 1</u>	OFFICE USE ONLY	Section <u>16</u>	Township <u>17 N</u>	Range <u>08 W</u>	Quad. No. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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(REV.11-88)

**APPENDIX C**

**ADDITIONAL DOCUMENTATION**

**Variance Requests and Approvals**

**Site Location Plats**

**Landowner Releases**



# SOUTHWESTERN LABORATORIES



Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services  
7222 Greenwood Rd. • P.O. Box 37577 • Shreveport, LA 71133-7577 • 318/636-3673

LA DOTD

September 9, 1988

**FILE COPY**  
**J.O. NO. 17500**  
**TFSC-SRPO**

F-0034

In accordance with Section 3.2.4.0 of Chapter III State Water Well Rules, Regulations and Standards we are submitting for your review and approval a variance request for plugging and abandonment of DOE monitoring well V-7. This well is located on Vacherie Salt Dome in Webster Parish, Louisiana, Township 17N Range 8W Section 17.

The well was drilled in April of 1977 by Lanford Drilling Company under the direction of Louisiana State University. A schematic of the completed well design is attached. Since drilling preceded DOTD regulations the well is not registered with the DOTD. Southwestern Laboratories, Incorporated has been contracted to plug and abandon the well by Stone & Webster Engineering Corporation for the DOE.

Plugging and Abandonment activities commenced on September, 1988. An obstruction was tagged at 124.1 feet in 6-5/8 inch casing. Drill cuttings revealed the obstruction consisted of bottles, cans, wood and rocks. The hole was advanced two (2) feet. On September 2, 1988 drilling activities resumed with a 4-3/4 inch milling tool. The obstruction was cleared to 740 feet by the 3-1/2 inch riser pipe, but could be advanced further. Drilling in the 3-1/2 inch riser pipe resumed September 9, 1988 with a 2-7/8 inch roller bit. The hole was advanced from 740 feet to 744 feet. On September 7, 1988 Otis Wireline fished the obstruction with a magnet, spear, pump bailer, junk basket, and impression block and retrieved evidence of a metal fish. The drilling string was tripped in the hole with a 2-7/8 inch spoon sampler and retrieved 18 inches of 2 inch diameter steel pipe. Another wireline survey indicated that metal remained in the well. On September 8, 1988 a 3 inch diamond impregnated milling tool advanced the hole from 744 feet to 746 feet.

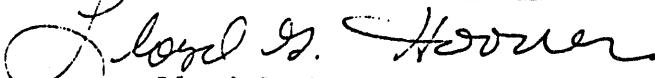
**SOUTHWESTERN LABORATORIES**

Plugging & Abandonment  
Vacherie Salt Dome  
Webster Parish, La.  
September 9, 1988  
Letter, page 2

An examination of the milling tool indicates that the metal obstruction is wedging the tool against and possibly into the 3-1/2 inch riser pipe. We have advanced the hole only 6 feet during four days of drilling, fishing and milling activities. On this basis we request that the hole be plugged using the continuous pumpdown method from the top of the obstruction (at 746 feet) to ground surface. As shown on the attached sketch the hole has been advanced to within 50 feet of the top of the screen. We believe that bottom cement at the proposed depth will not affect the integrity of the plugging job.

Sincerely,

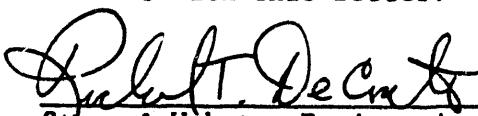
SOUTHWESTERN LABORATORIES



Lloyd G. Hoover, P. E.  
SWL Vice President  
Manager-Louisiana Offices  
WWC-261

LGH:awd

Stone & Webster Engineering Company's representatives concur with this letter.



---

Robert A. DeCant  
Stone & Webster Engineering Company

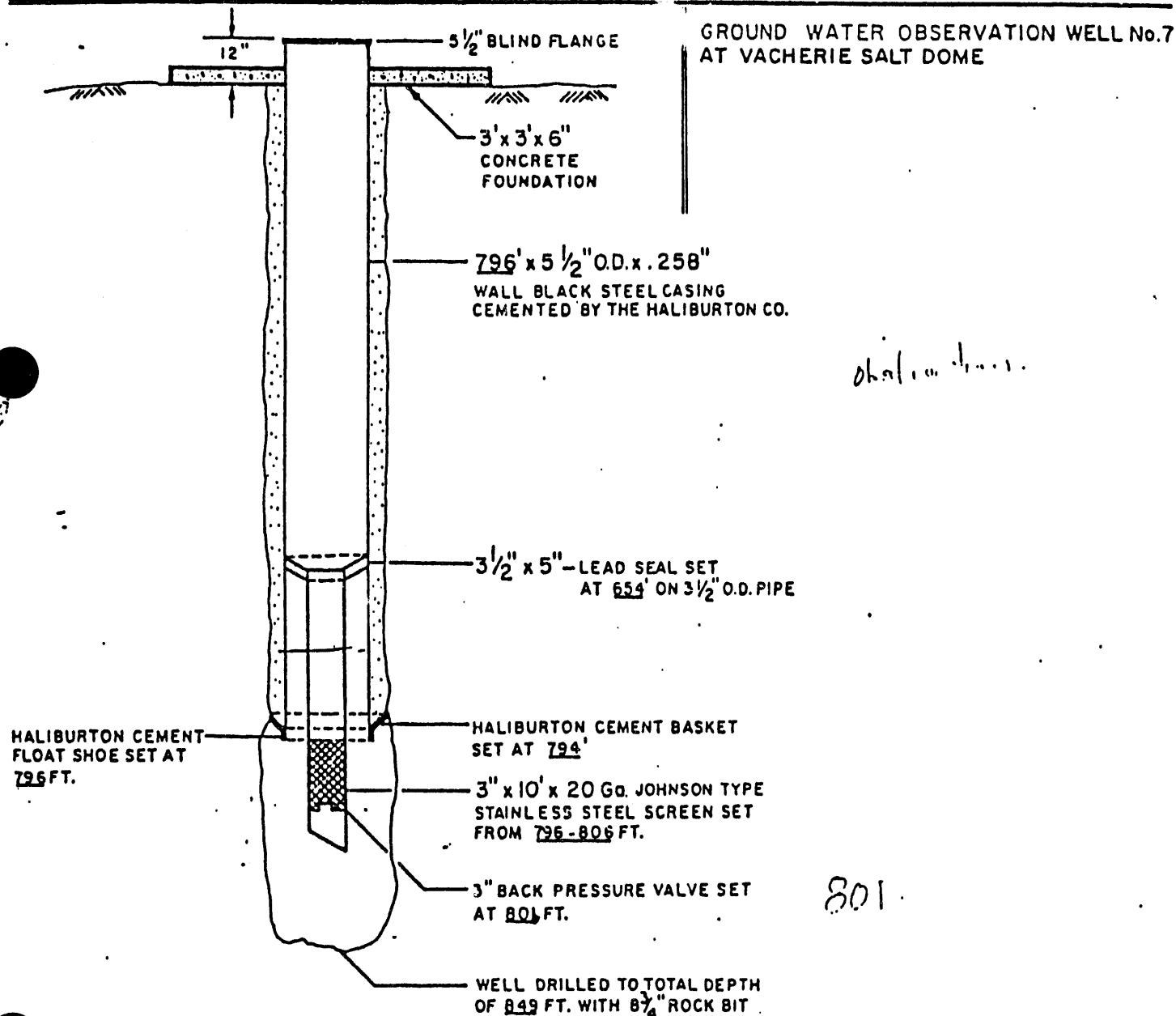
Table B-4. Well completion description, Well V-7, Vacherie salt dome.

L-4B Pg 3/4

## Lanford Drilling Company, Inc.

P.O. Box 98 • Shreveport, La. • 71161

CUSTOMER	L.S.U. BOARD OF SUPERVISORS	WELL NO.	V-7
LOCATION	UNIVERSITY STATION	COMPLETED	April 1977
ADDRESS	BATON ROUGE, LOUISIANA 70803	PURCHASE ORDER NO.	
		CONTRACT NO.	139-774 BID NO. 2168-A





LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
P.O. Box 94245, Baton Rouge, Louisiana 70804-9245

(504) 379-1434

NEIL L. WAGNER, P.E.  
SECRETARY

BUDDY ROEMER  
GOVERNOR

September 29, 1988

Mr. Lloyd G. Hoover, P.E.  
SOUTHWESTERN LABORATORIES  
P.O. Box 37577  
Shreveport, Louisiana 71133-7577

Re: Variance Request  
Plugging of Abandoned  
DOE Monitoring Well V-7  
Webster Parish

Dear Mr. Hoover:

This is in response to your letter of September 9, 1988, requesting a variance to plug the above referenced monitoring well from the top of the obstruction (746 feet) to ground surface.

Please be advised that based on the information contained in your letter, we have no objection to the plugging procedure outlined in the subject letter. All other applicable Water Well Rules, Regulations, and Standards shall be complied with.

If we may be of any further assistance, please do not hesitate to contact this office.

Very truly yours,

Z. "Bo" Bolourchi, P.E.  
Chief, Water Resources Section

ZB:cec  
cc: Mr. Richard T. Deconto



## SOUTHWESTERN LABORATORIES



Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services  
7222 Greenwood Rd. • P.O. Box 37577 • Shreveport, LA 71133-7577 • 318/636-3673

October 21, 1988

**FILE COPY**  
J.O. NO. 17500  
TFSC-SRPO

Re: 4036

Louisiana Department of Transportation  
and Development  
P. O. Box 94245  
Baton Rouge, Louisiana 70804-9245

Reference: Variance Request

Gentlemen:

In accordance with Section 3.2.4.0 of Chapter III State Water Rules Regulations and Standards we are submitting a variance request for plugging and abandonment of Department of Energy (DOE) monitoring wells LVH6-A, B and C. The wells are located on a common drill site in Bienville Parish, Louisiana, Township 17N, Range 8W Section 35.

The wells were drilled in 1980 by Jim-Co Drilling Company, Incorporated under the direction of Law Engineering and Testing Company. According to DOTD well file records the LVH6C well is the only well registered with the DOTD (No. Bi 226). Schematics of the completed well designs are attached for your information. Southwestern Laboratories, Incorporated has been contracted by Stone & Webster Engineering Corporation to plug and abandon the wells for the DOE.

As requested by the Office of Conservation, the well casings were perforated and squeezed with cement at various intervals between 800 and 1000 feet beginning on 09-23-88. This activity was performed in order to protect fresh water aquifers (less than 10,000 TDS) from stratigraphically lower saline ground-water. Cement Bond logs verify that all squeeze operations were successful (see attachments).

Problems developed during removal of the drillable plugs used in the squeeze operations. Rubber and metal fragments comprising the plugs bridged over the top of the riser pipes as they disintegrated and fell down-hole during drilling. Various methods have been used in attempts to clear the debris from the riser pipes. Those efforts are summarized for each well as follows:

**SOUTHWESTERN LABORATORIES**

LA DOTD  
Variance Request  
October 21, 1988  
page 2

LVH6A - Drill on the plug debris with flat face and tapered diamond impregnated milling tools. Fish with taper tap, magnet and grab tools. Advance debris from top of riser pipe at 2494.61 to 2505 feet during six days.

LVH6B - Fish for junk with magnet, spear and grab tools on wireline at top of riser pipe (1786.6 feet). Some metal components were retrieved. No advancement during three days.

LVH6C - Drill out the plug for three days with a roller bit, drag bit and milling tool and follow to top of riser pipe (866.4 feet). Mill on plug debris at top of riser pipe for three days without advancement.

Presently, all the wells are clear to within fifty feet of the top of the screen sections. Since future advancement appears unlikely, we propose to plug the wells with cement from the top of the riser pipe to ground surface. The bottom of the plug will be below the squeeze zones where the annulus has been successfully sealed. If you have any further questions or comments, please feel free to contact this office.

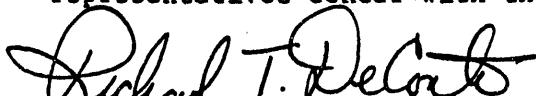
Sincerely,

**SOUTHWESTERN LABORATORIES**

  
Lloyd S. Hoover, P. E.  
SwL Vice President  
Manager-Louisiana Offices  
WWC-261

LGH:awd

---  
Stone & Webster Engineering Corporation's  
representatives concur with this letter.

  
Richard T. DeCorte  
Stone & Webster Engineering Corporation



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
P.O. Box 94245, Baton Rouge, Louisiana 70804-9245

(504) 379-1434

NEIL L. WAGONER, P.E.  
SECRETARY

BUDDY ROEMER  
GOVERNOR

October 24, 1988

Mr. Lloyd G. Hoover, P.E.  
SOUTHWESTERN LABORATORIES  
P.O. Box 37577  
Shreveport, Louisiana 71133-7577

Re: Variance Request  
Plugging of Abandoned  
DOE Monitoring Wells  
LVH-6A, LVH-6B, & LVH-6C (Bi-226)  
Bienville Parish

Dear Mr. Hoover:

This is in response to your letter of October 21, 1988, requesting a variance to plug the above referenced monitoring wells from the obstructions at the top of the riser pipes to ground surface. It was noted that the plugging operations will start below the location of the squeeze-packing operations.

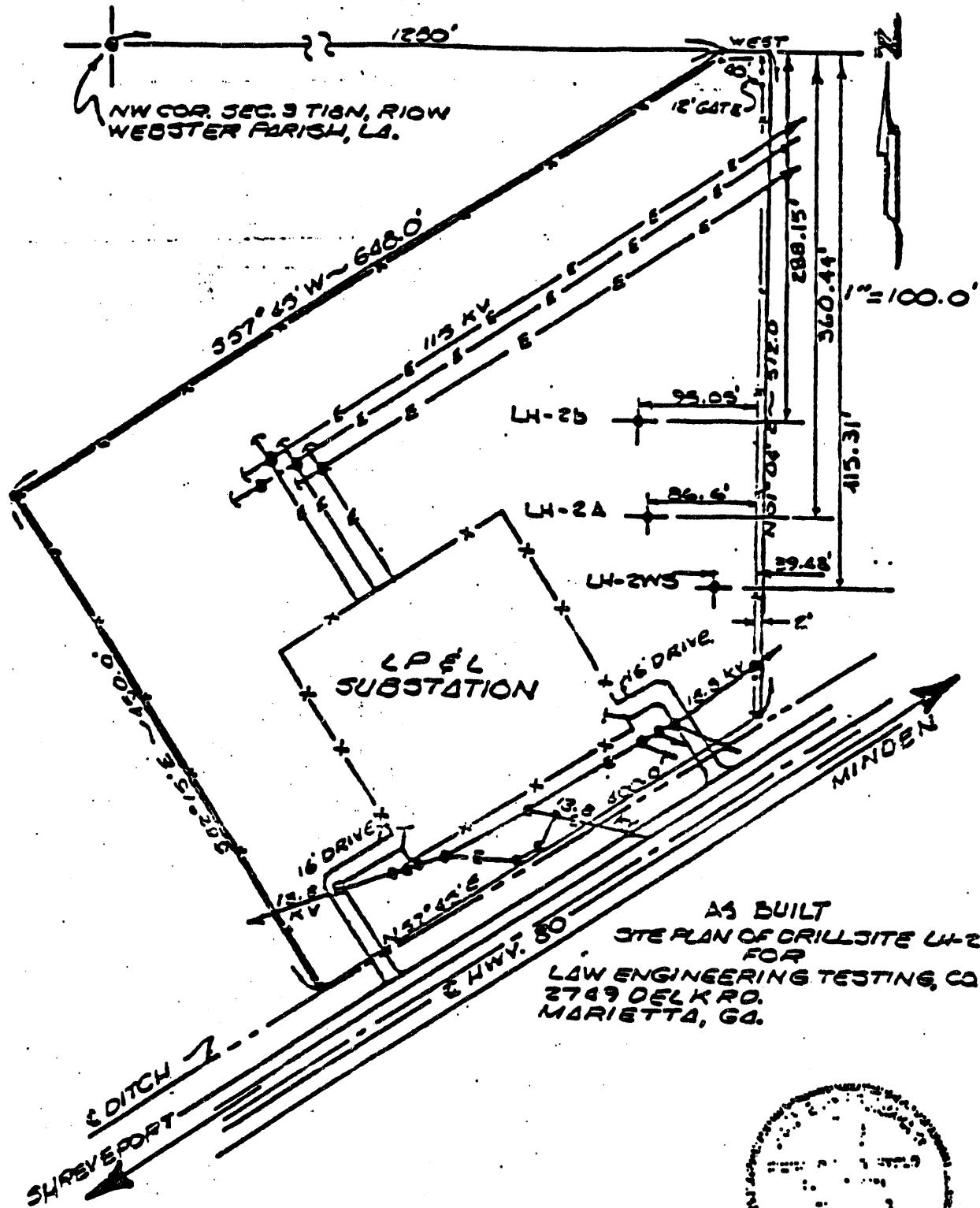
Please be advised that based on the information contained in your letter, we have no objection to the plugging procedure outlined in the subject letter. All other applicable Water Well Rules, Regulations, and Standards shall be complied with.

If we may be of any further assistance, please do not hesitate to contact this office.

Very truly yours,

Z. "Bo" Bolourchi, P.E.  
Chief, Water Resources Section

ZB:cec  
cc: Mr. Richard T. Deconto



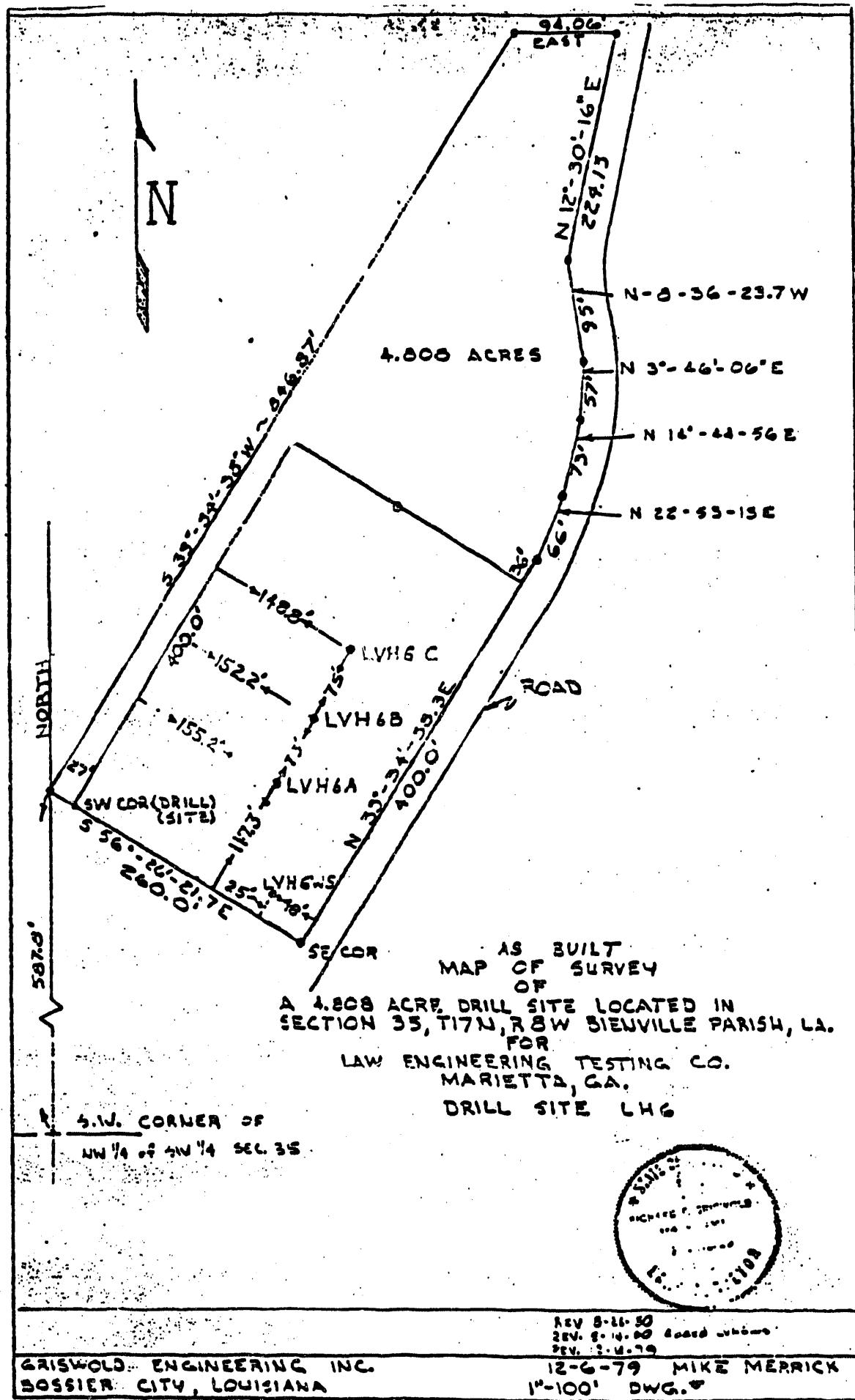
GRISWOLD ENGINEERING, INC.  
BOSSIER CITY, LA. 318-742-0467

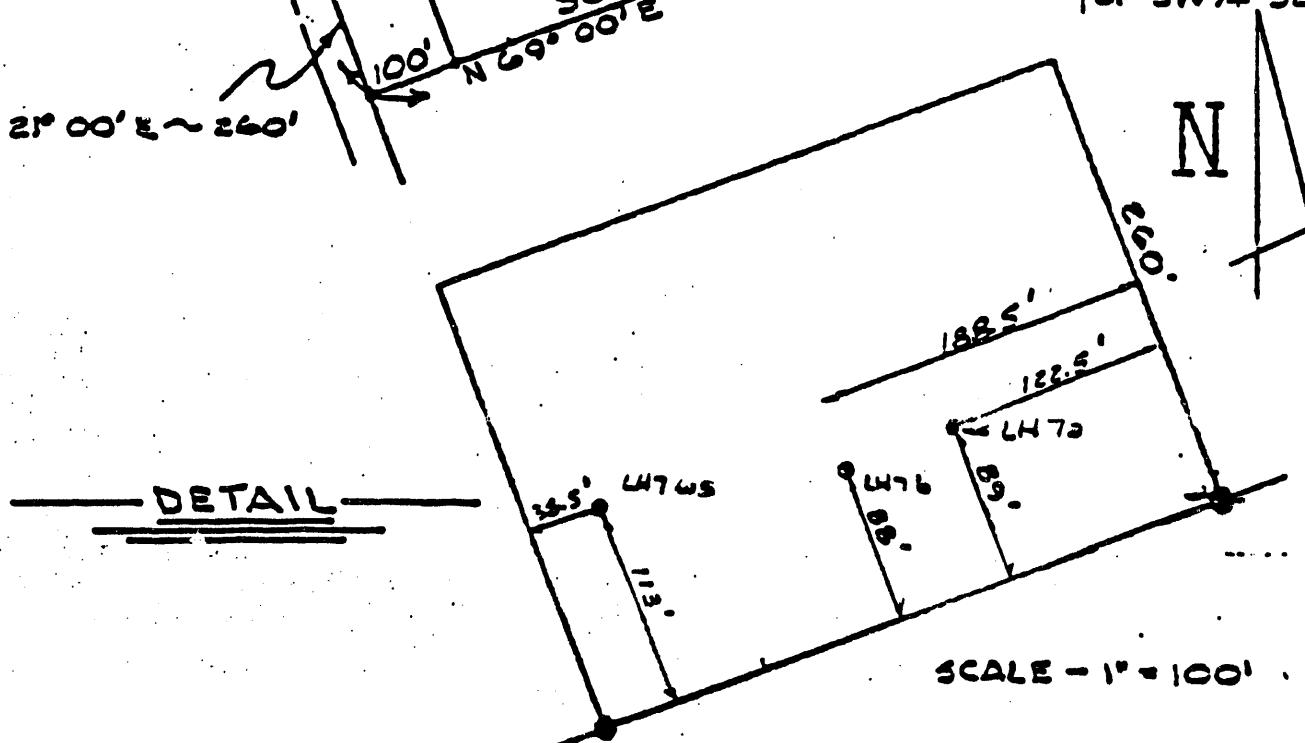
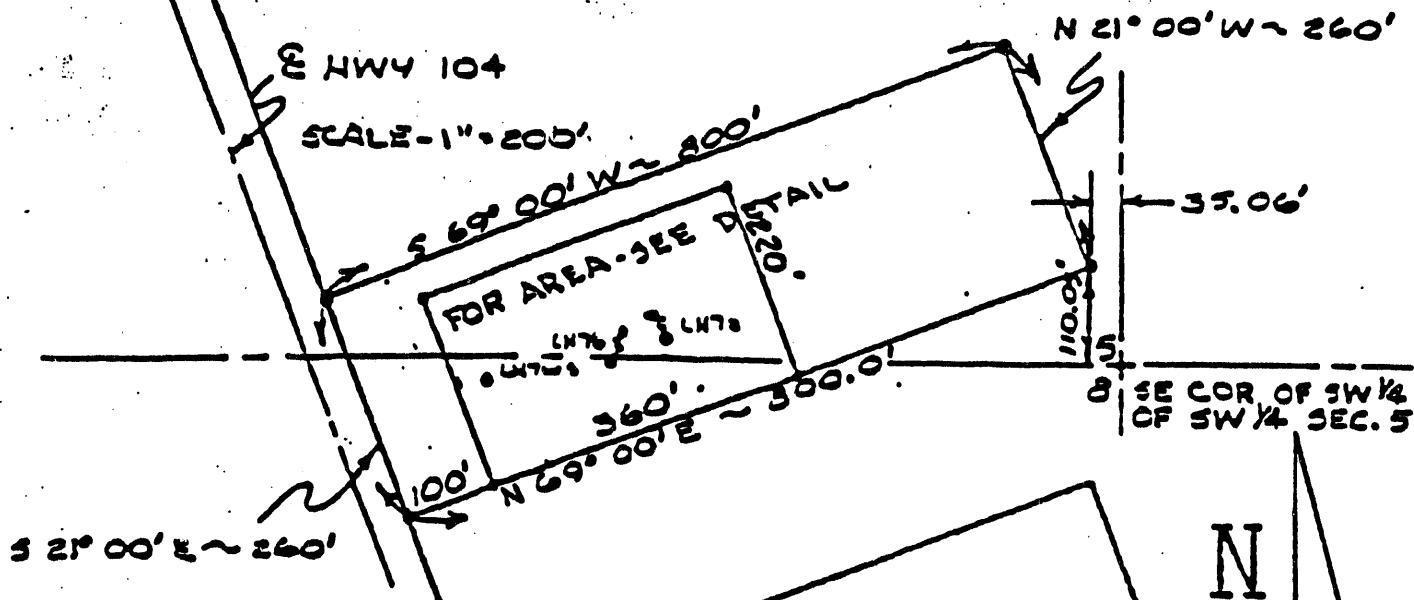
REV. 2-18-80

9-10-79

OWG. "LH-2-2"

NOTE: ORIGINAL REDUCED BY SWEC, ORIGINAL SCALE NO  
LONGER VALID





AS BUILT  
MAP OF SURVEY  
OF

A 4.78 ACRE DRILL SITE LOCATED IN  
SECTIONS 5 AND 8, 17N, R3W BIENVILLE PARISH, LA.  
FOR  
LAW ENGINEERING TESTING CO.  
MARIETTA, GA.  
DRILL SITE LH7

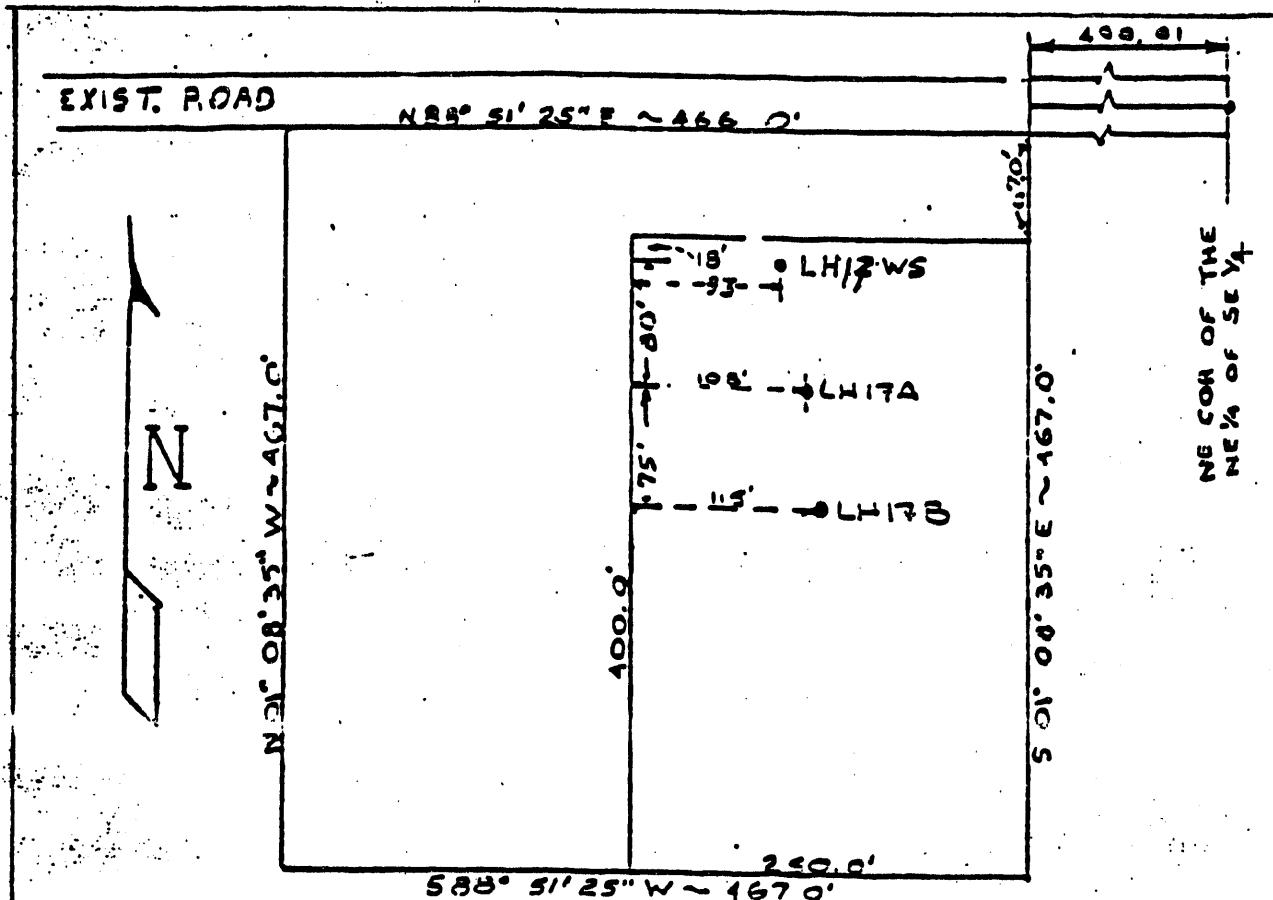


REV. 5-14-90 AS BUILT

GRISWOLD ENGINEERING INC.  
BOSSIER CITY, LOUISIANA

12-5-79 MIKE MARK  
1" = 200' U.N. DWG. #

NOTE: ORIGINAL REDUCED BY SWEC, ORIGINAL SCALE NO  
LONGER VALID



AS BUILT  
MAP OF SURVEY  
OF

A 5.00 ACRE DRILL SITE LOCATED IN  
SECTION 12, T15N, R10W BIENVILLE PARISH  
LOUISIANA

FOR  
LAW ENGINEERING TESTING CO.  
MARIETTA, G.A.

DRILL SITE LH17



GRISWOLD ENGINEERING INC.  
BOSSIER CITY, LA.

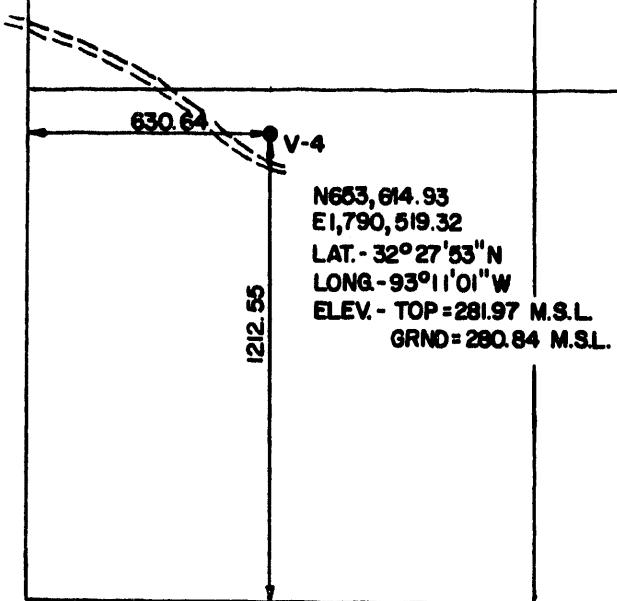
REVISED 8-25-80

1 - 75'

NOTE: ORIGINAL REDUCED BY SW, ORIGINAL SCALE  
NO LONGER VALID

9 10

16 15



15

N  
1" = 500'

MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

OF WELL V-4, LOCATED 1212.55 FT. FROM THE SOUTH LINE  
AND 630.64 FT. FROM THE WEST LINE OF THE NORTHWEST  
QUARTER OF SECTION 15, T17N, R8W, WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

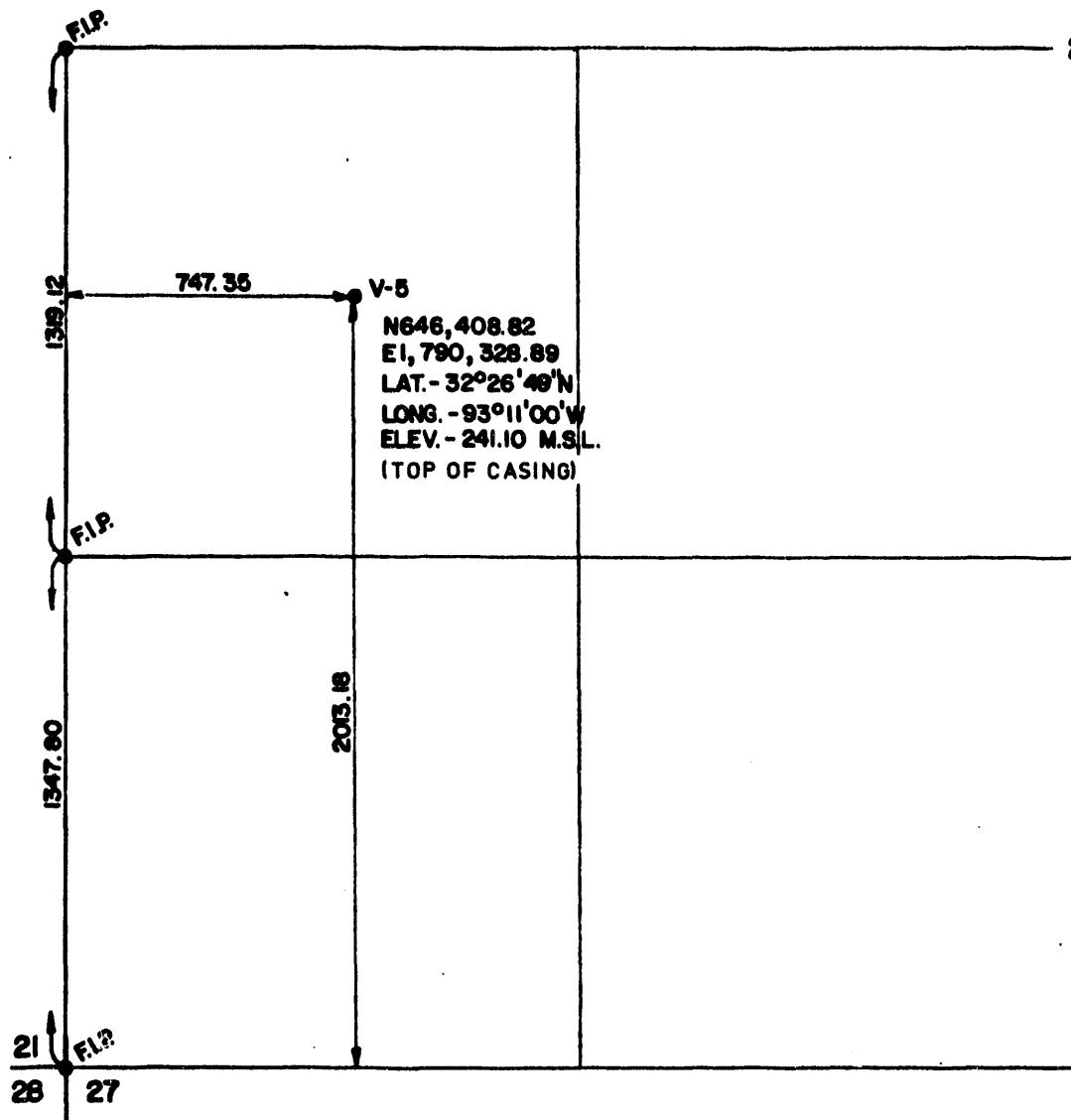
SIGNED:

BEN D. ATCHLEY, P.E.  
RECEIVED

DRAWN:

REGISTERED

LAND SURVEYOR

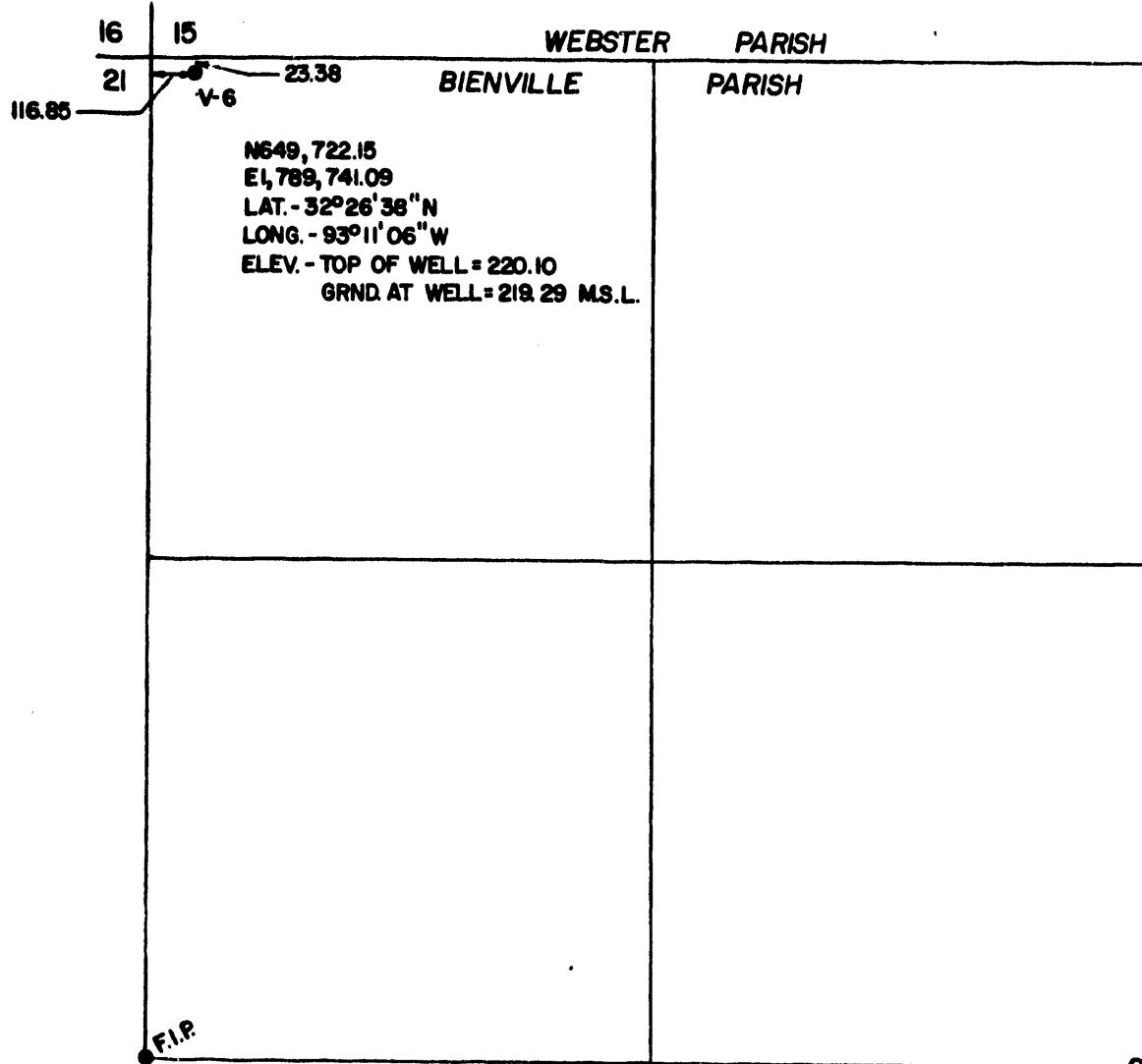


MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

OF WELL V-5 LOCATED 2,013.18 FT. FROM THE SOUTH LINE AND  
747.35 FT. FROM THE WEST LINE OF SECTION 22, TOWNSHIP  
17 NORTH, RANGE 8 WEST, BIENVILLE PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821





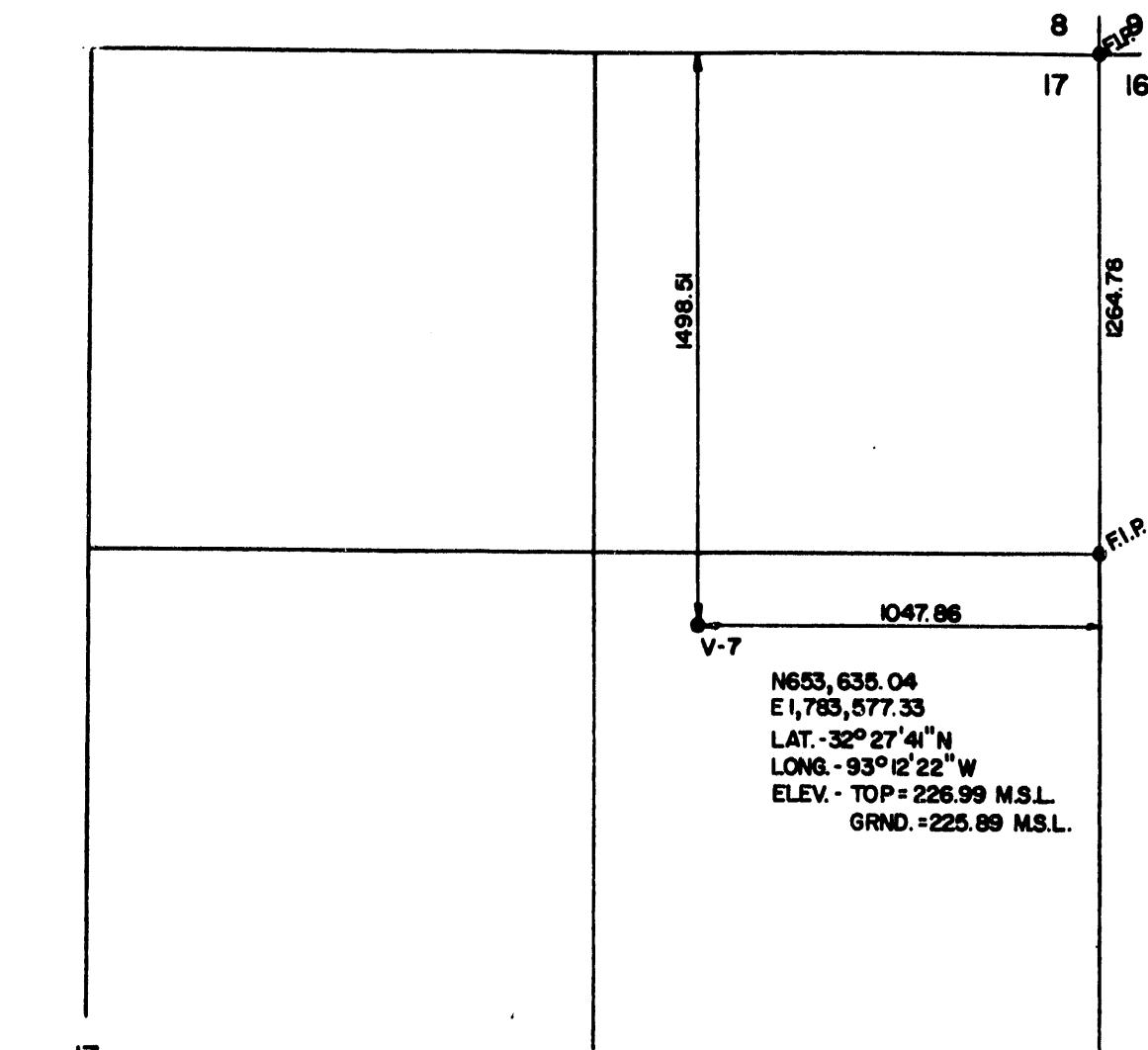
MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

OF WELL V-6, LOCATED 23.38 FT. FROM THE NORTH LINE AND  
116.85 FT. FROM THE WEST LINE OF SECTION 22, T17N, R8W,  
BIENVILLE PARISH, LOUISIANA.



ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

SIGNED: Atchley  
DRAWN: Atchley



MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

OF WELL V-7, LOCATED 1498.51 FT. FROM THE NORTH LINE AND  
1047.86 FT. FROM THE EAST LINE OF SECTION 17, T17N, R8W,  
WEBSTER PARISH, LOUISIANA.

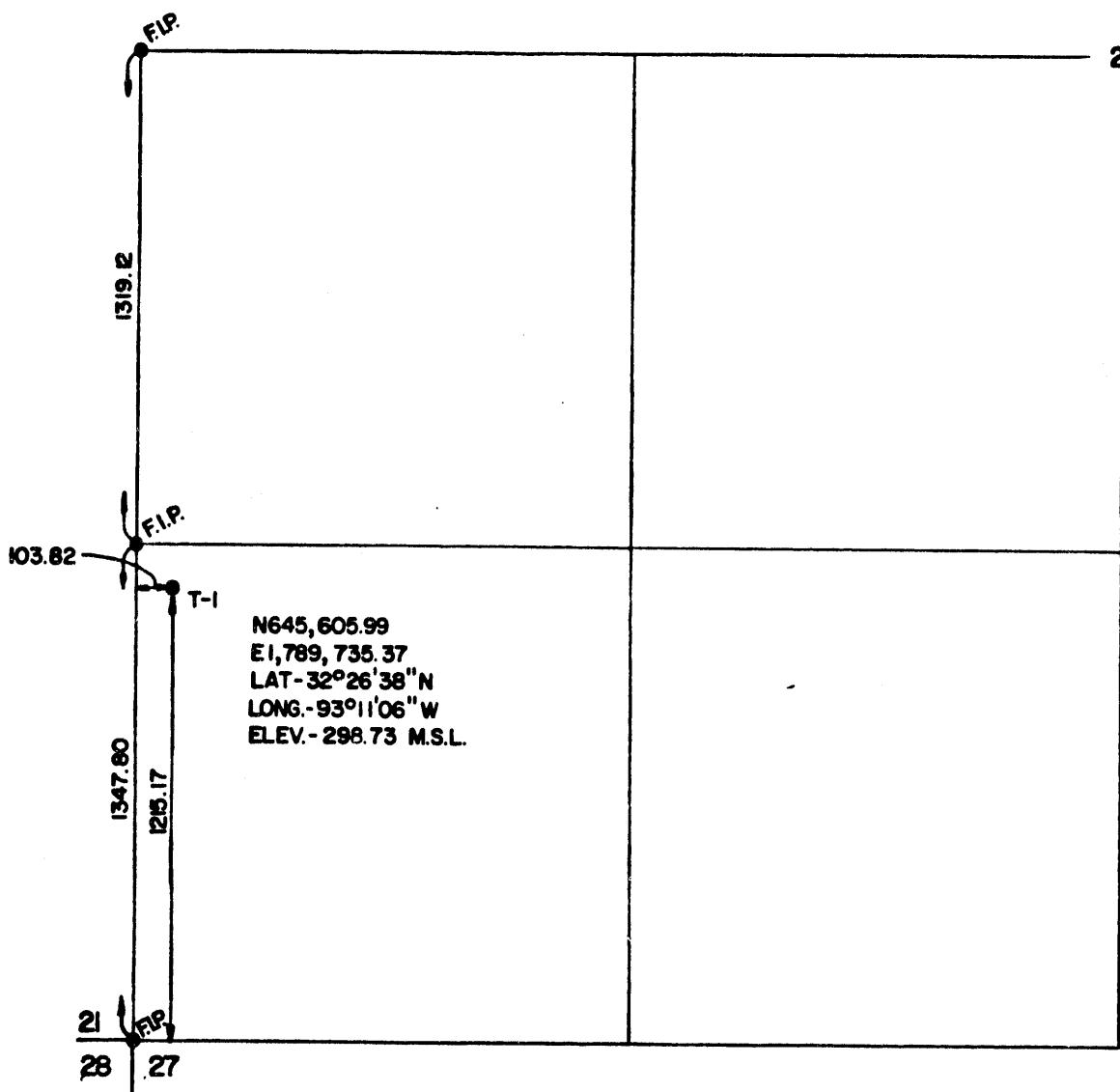
N  
I" = 500'

ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

SIGNED: *Ben Atchley, Jr.*

DRAWN: \_\_\_\_\_



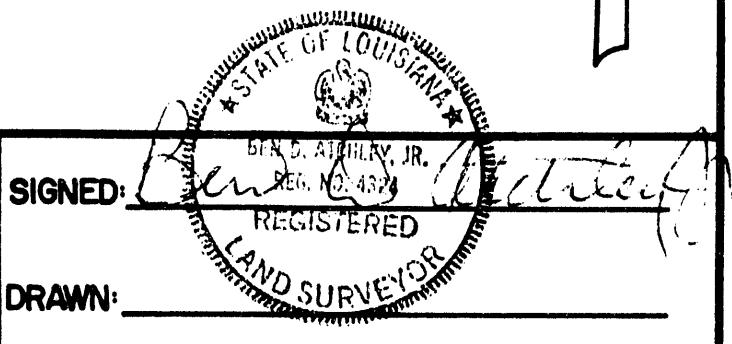


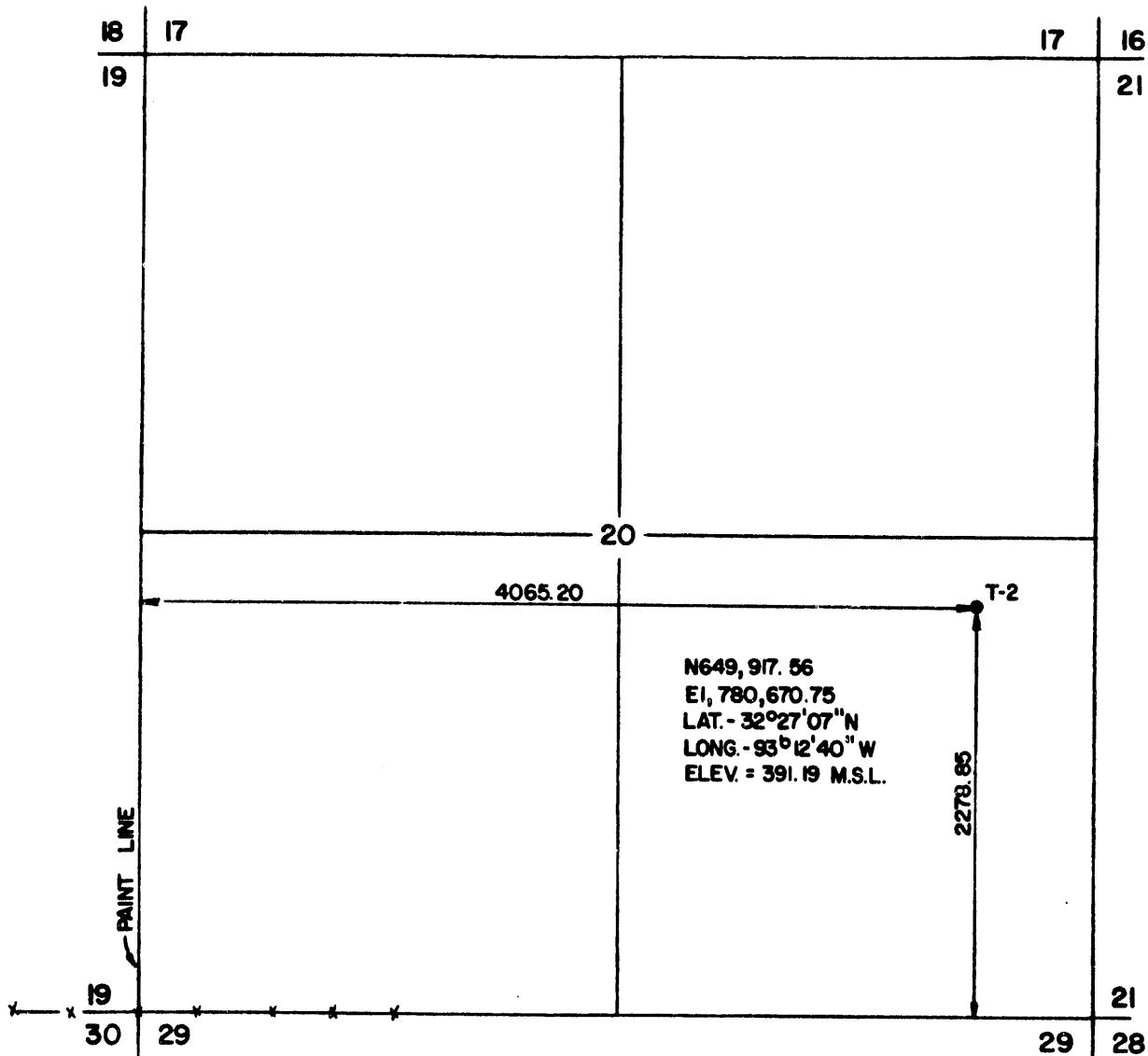
MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

OF TILTMETER T-1, LOCATE 1215.17 FT. FROM THE SOUTH LINE AND  
103.82 FT. FROM THE WEST LINE OF SECTION 22, T17N, R8W,  
BIENVILLE PARISH, LOUISIANA.

N  
1" = 500'

ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

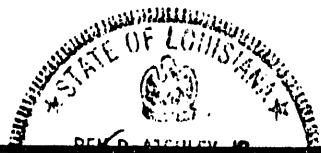


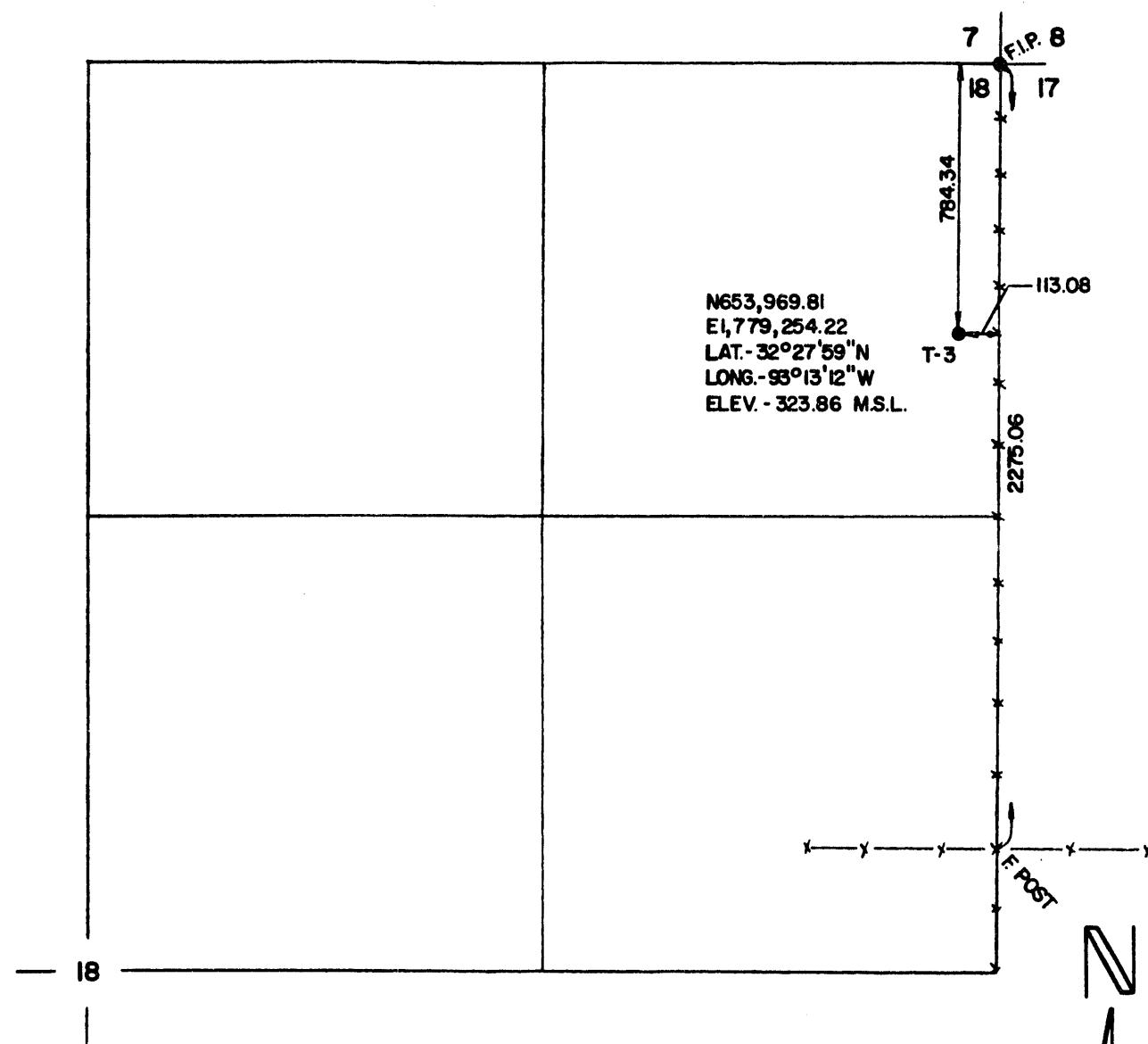


ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

SIGNED: *R. Atchley* REG. NO. 4224  
REGISTERED LAND SURVEYOR

DRAWN: \_\_\_\_\_

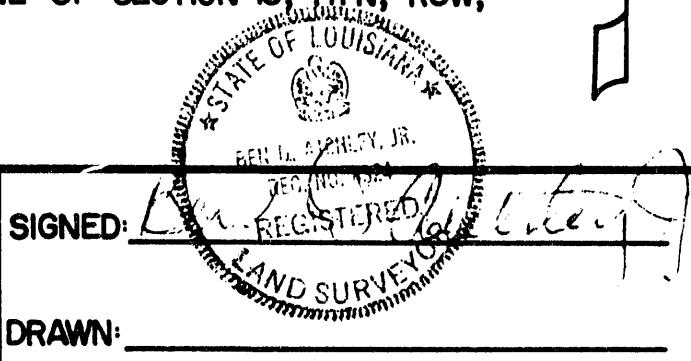




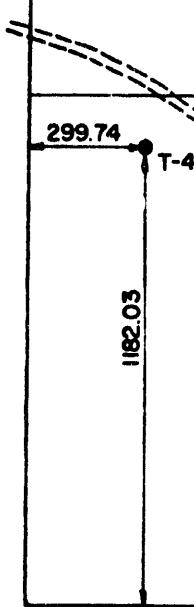
MAP OF LOCATION  
 FOR  
 STONE & WEBSTER ENGINEERING CORPORATION

OF TILTMETER T-3, LOCATED 784.34 FT. FROM THE NORTH LINE  
 AND 113.08 FT. FROM THE EAST LINE OF SECTION 18, T17N, R8W,  
 WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.  
 CONSULTING ENGINEERS  
 412 LaSalle St.  
 Shreveport, Louisiana (318) 222-5821



9 10  
16 15



N653, 591.89  
E1, 790, 187.82  
LAT. -32° 27' 53" N  
LONG. -93° 11' 04" W  
ELEV. = 290.14 M.S.L.

15



1" = 500'

MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

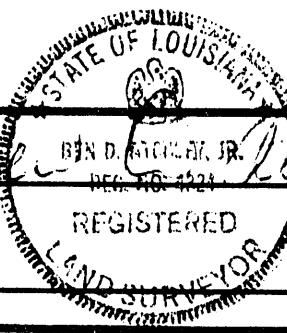
OF TILTMETER T-4, LOCATED 1182.03 FT. FROM THE SOUTH LINE AND  
299.74 FT. FROM THE WEST LINE OF THE NORTHWEST QUARTER  
OF SECTION 15, T17N, R8W, WEBSTER PARISH, LOUISIANA.

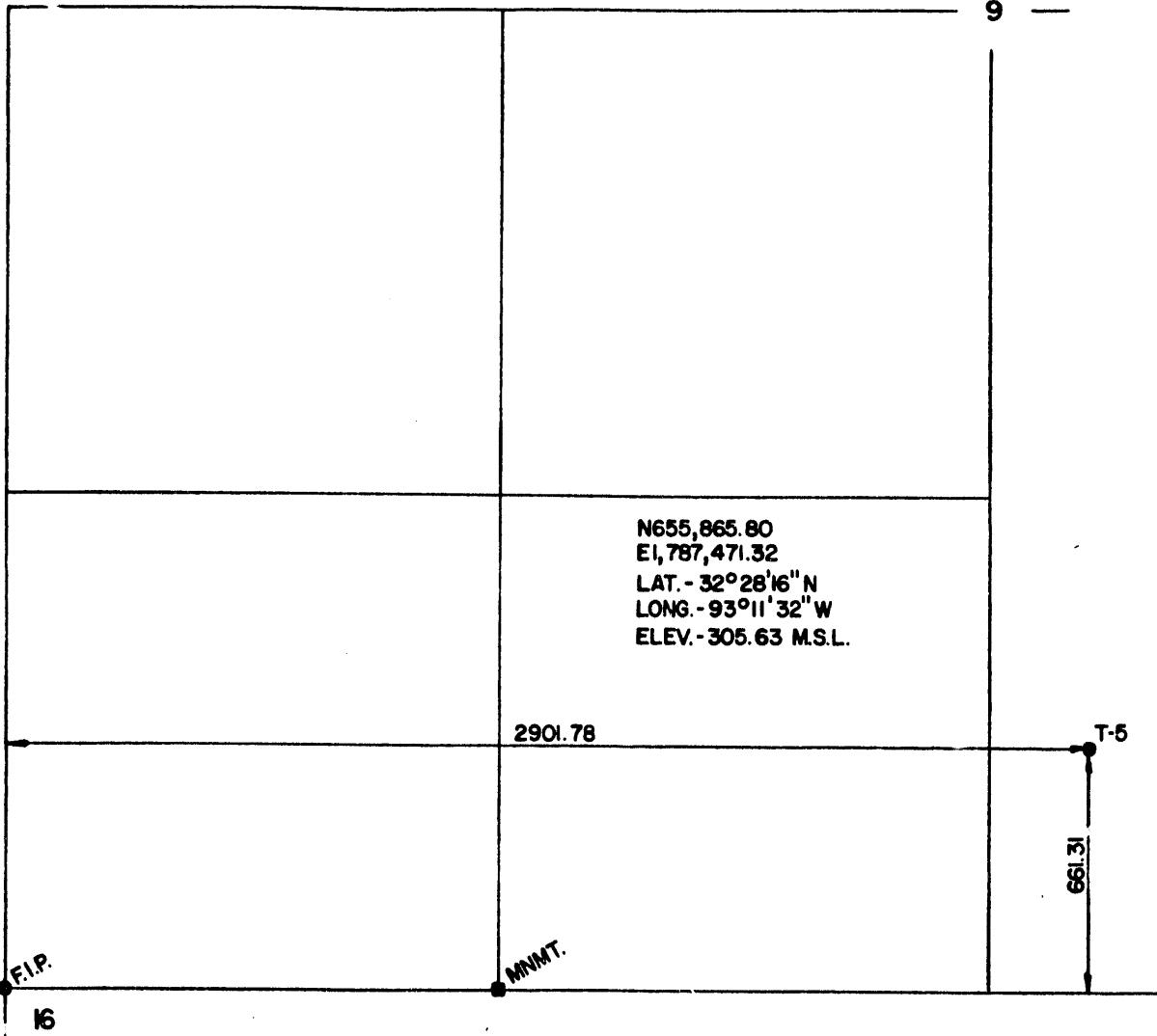
ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

SIGNED: *[Signature]* BEN D. GIGUER JR.  
REG. NO. 4124

REGISTERED

DRAWN: *[Signature]* LAND SURVEYOR





MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION

OF TILTMETER T-5, LOCATED 2901.78 FT. FROM THE WEST LINE AND  
661.31 FT. FROM THE SOUTH LINE OF SECTION 9, T17N, R8W,  
WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

SIGNED: *Gen. D. Atchley, Jr.*  
REC. NO. 444-2-11-11  
REGISTERED  
DRAWN: *Gen. D. Atchley, Jr.*  
LAND SURVEYOR

T15N - R5W

36

1 6

307.39      LSU RIA  
LAT. -32°14'16"N  
LONG. -92°54'59"W  
ELEV. = 229.64 M.S.L.  
( GROUND LEVEL )

1010.26

F.I.P.

T14N - R5W

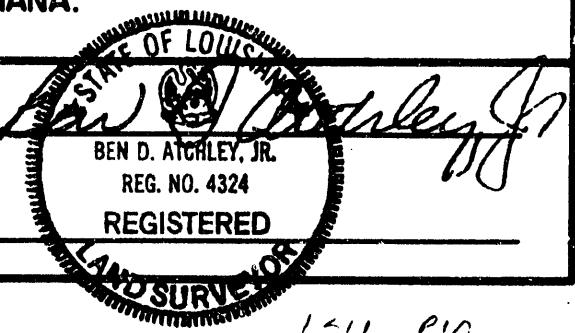
MAP OF LOCATION  
FOR  
STONE & WEBSTER ENGINEERING CORPORATION  
OF

WELL LSU RIA LOCATED 307.39 FT. FROM THE WEST LINE OF  
THE EAST HALF OF THE SOUTHEAST QUARTER AND 1010.26 FT.  
FROM THE SOUTH LINE OF SECTION 31, TOWNSHIP 15 NORTH,  
RANGE 5 WEST, BIENVILLE PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.  
CONSULTING ENGINEERS  
412 LaSalle St.  
Shreveport, Louisiana (318) 222-5821

SIGNED:

DRAWN:



▲024 27A  
**COPY**

LSU/R1-A

Mr. Derwood D. Hines and  
Mrs. Bettye Jane Smitherman Hines  
Route 1, Box 79  
Bienville, Louisiana 71008

March 6, 1989

J.O.No. 17500

DECOMMISSIONING OF LSU-RIA WELL  
AND RESTORATION OF LANDS  
SE $\frac{1}{4}$ SW $\frac{1}{4}$  AND SW $\frac{1}{4}$ SE $\frac{1}{4}$  Section 31-T15N-R5W  
BIENVILLE PARISH, LOUISIANA

Dear Mr. and Mrs. Hines:

On October 31, 1988, Stone & Webster Engineering Corporation plugged and abandoned the subject well in accordance with the Rules and Regulations of the Louisiana Department of Natural Resources. On November 20, 1988, we cut surface casing to the required depth of 3 feet beneath ground surface, capped the well, and backfilled the well excavation; and on December 1, 1988, we completed initial site restoration.

I contacted you in January of this year regarding site restoration. You requested that Stone & Webster add fill to the old pit, smooth over tire ruts, and plant pine seedlings. Subsequently, on January 11, 1989, a Stone & Webster field representative backfilled the remainder of the old pit and planted seedlings. Wet ground conditions prevented significant work on the ruts. After this additional restoration work you told Stone & Webster representatives Joel Kantola and Brayant G. Miller that the restoration was acceptable.

In accordance with your request, Stone & Webster had the Louisiana Department of Natural Resources send you a letter, dated January 26, 1989, stating that we had complied with requirements of its Rules and Regulations for plugging and abandoning the LSU-RIA well located on your property. Further, by letter of February 3, 1989, Stone & Webster sent you copies of all documentation we forwarded to the Louisiana Department of Natural Resources.

Stone & Webster has plugged and abandoned the subject well and restored the surface of lands therearound in accordance with the terms and conditions of Limited Right of Entry and Use Agreement for Well Abandonment and Decommissioning Activities by and between yourselves and Stone & Webster Engineering corporation dated August 5, 1988, recorded in the Official Records of Bienville Parish, Louisiana as registry No. AE-722 in conveyance Book 535. The agreement will expire by its own terms.

DDH-BJSH

2

March 6, 1989

Unless Stone & Webster hears to the contrary from you within ten (10) days from the date hereof, Stone & Webster will consider all obligations fulfilled and the matter closed.

  
Richard Kranes

RK:jr

The undersigned, for and on behalf of the undersigned and the representatives, heirs and assigns of the undersigned, hereby acknowledges receipt from Stone & Webster Engineering Corporation (SWEC) of the sum of one hundred and no/100 dollars, and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, in full and complete settlement and satisfaction of any and all claims, demands, damages, losses, actions, and causes of action of every kind and character, which the undersigned or their representatives, heirs and assigns have or might have by reason of ownership of the property or real property rights in the property, described below on which the U.S. Government, and its agents, servants, employees, successors, assigns and contractors have conducted drilling, hydrologic monitoring studies, well plugging, site restoration, and other operations. The hereinafter described property is also described in certain agreements executed by the undersigned which granted right-of-entry and the right to perform hydrologic monitoring studies and other operations on the real property of the undersigned.

The Owner has decided to accept the above payment in lieu of SWEC completing the following site restoration activities:  
Repair of water line, site clean up and restoration.

## Repair of water line, site clean up and restoration.

In consideration of the above payment, the undersigned hereby forever discharges and releases the U.S. Government, and its agents, servants, employees, successors, assigns, and contractors from any and all claims, demands, damages, losses, actions and causes of action which the undersigned or their representatives, heirs, or assigns, have or might have arising out of, accruing to or resulting from the performance of hydrologic monitoring studies and related activities on or in the vicinity of the property described below.

The undersigned represents that he/she/or they are the lawful owners of the property described below and is the proper party to receive payment hereunder.

Description of Property Situated in the (Parish or County) of Bienville  
State of Louisiana.

5 acres in Northwest Corner Section 22, Township 17 North,  
Range 8 West

IN WITNESS WHEREOF, we have hereunto set our hands and seals this  
the 28th day of November, 1988.

**WITNESS:**

## OWNERS

John W. Thompson

STATE OF

(Parish or County) of

On this \_\_\_\_\_ day of \_\_\_\_\_, 1988, before me personally appeared \_\_\_\_\_, to me known to be the person(s) described in and who executed the foregoing instrument, and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

(SEAL)

Notary Public in and for (Parish or  
County). (State) *27-04*

My Commission Expires:

RECEIVED & FILED  
REGISTRATION  
FEB 11, 1948  
CLERK OF COURT & RECORDER  
BIENVILLE PARISH, LA.  
COMM-FK 5700  
P-240

DOE Continental Forest Industries  
# 1 Well

DAMAGE RELEASE

The undersigned, for and on behalf of the undersigned and the representatives, heirs and assigns of the undersigned, hereby acknowledges receipt from Applied Geomechanics, Inc., of the sum of One Dollar and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, in full and complete settlement and satisfaction of any and all claims, demands, damages, losses, actions, and causes of action of every kind and character, which the undersigned or their representatives, heirs and assigns have or might have by reason of ownership of the property or real property rights in the property, described below on which Applied Geomechanics, Inc., and its employees have conducted research studies and other operations. The hereinafter described property is also described in certain agreements (the "Agreements") executed by the undersigned which granted right-of-entry and the right to perform research studies and other operations on the real property of the undersigned.

Well plugging and/or site restoration work have been completed to the requirements of the Agreements. In consideration of the above payment, the undersigned hereby forever discharges and releases Applied Geomechanics, Inc., and its employees from any and all claims, demands, damages, losses, actions and causes of action which the undersigned or their representatives, heirs, or assigns, have or might have arising out of, according to or resulting from the performance of research studies and related activities on or in the vicinity of the property described below.

The undersigned represents that he/she/or they are the lawful owners of the property described below and is the proper party to execute this Release Agreement.

DOE Continental Forest Industries #1 Well.

Description of Property Situated in the Parish of Bienville, State of Louisiana.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this the 17th day of May, 1989.

WITNESS:

Dee Ann Holmes  
Dale S. Lafon

STATE OF Texas, COUNTY OF Harris

OWNERS:

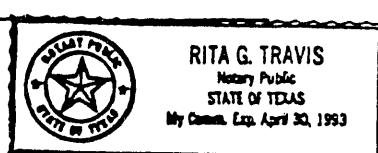
LOUISIANA MINERALS, LTD.

B. F. Shell, Jr.  
B. F. Shell, Jr., Agent

On this 17th day of May, 1989, before me personally appeared B. F. Shell, Jr. to me known to be the person(s) described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

Rita G. Travis  
Notary Public in and for (Parish) \_\_\_\_\_  
(State) \_\_\_\_\_

My Commission Expires:



For the Following Wells  
KCI HODGE LVH 6A, B, C & WS  
KCI HODGE LH 7A, B & WS  
KCI HODGE LH 17A, B & WS

June 1, 1989

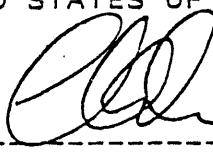
MUTUAL RELEASE

WHEREAS, the United States of America, hereinafter referred to as the "Government," and Louisiana Minerals, Ltd., hereinafter referred to as the "Lessor," did enter into Lease No. DACW43-87-6 on 1 October 1986; and

WHEREAS, paragraph 5 of said Lease provides for an inspection of the leased premises and a mutual release by the parties as of the expiration of the Lease term with regard to any claims;

NOW, THEREFORE, in accordance with the above, and with full and complete knowledge of the condition of the leasehold premises, the Government and the Lessor do hereby release each other from any and all claims with regard to the Lease; the condition of the leasehold premises as of the expiration of the Lease; or any other claims for damages arising out of this Lease.

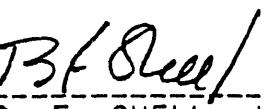
UNITED STATES OF AMERICA

By: 

WOODROW B. SANDLIN

Chief, Real Estate Division

LOUISIANA MINERALS, LTD.

By: 

B. F. SHELL, JR., Agent

NOTED JUL 14 1989 R.Krane

For Tiltmeter: T-3

June 5, 1989

MUTUAL RELEASE

WHEREAS, the United States of America, hereinafter referred to as the "Government," and Carolyn M. Holley, hereinafter referred to as the "Lessor," did enter into Lease No. DACW43-1-88-145 on 22 September 1988; and

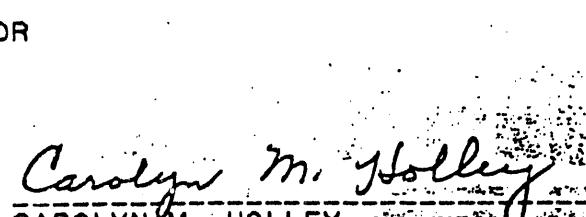
WHEREAS, paragraph 6 of said Lease provides for an inspection of the leased premises and a mutual release by the parties as of the expiration of the Lease term with regard to any claims;

NOW, THEREFORE, in accordance with the above, and with full and complete knowledge of the condition of the leasehold premises, the Government and the Lessor do hereby release each other from any and all claims with regard to the Lease; the condition of the leasehold premises as of the expiration of the Lease; or any other claims for damages arising out of this Lease.

UNITED STATES OF AMERICA

By: 

LESSOR

By: 

CAROLYN M. HOLLEY

NOTED JUL 14 1989 R.Krane

For Wells: E.H.S. CONNELL V-5 & V-7 June 10, 1989  
For Tiltmeters: T-1 & T-2

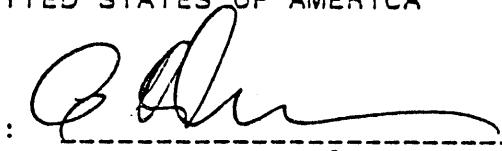
MUTUAL RELEASE

WHEREAS, the United States of America, hereinafter referred to as the "Government," and Effie Holley Smith Connell, et al., hereinafter referred to as the "Lessor," did enter into Lease No. DACW43-1-88-147 on 22 September 1988; and

WHEREAS, paragraph 5 of said Lease provides for an inspection of the leased premises and a mutual release by the parties as of the expiration of the Lease term with regard to any claims;

NOW, THEREFORE, In accordance with the above, and with full and complete knowledge of the condition of the leasehold premises, the Government and the Lessor do hereby release each other from any and all claims with regard to the Lease; the condition of the leasehold premises as of the expiration of the Lease; or any other claims for damages arising out of this Lease.

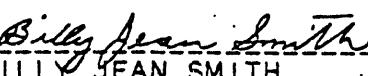
UNITED STATES OF AMERICA

By: 

JACOB B. SMIDT  
Chief, Real Estate Division

LESSOR

By:   
EFFIE HOLLEY SMITH CONNELL

By:   
BILLY JEAN SMITH

By:   
BETTY JO SMITH ROBINSON

NOTED JUL 14 1989 R.Krane

June 19, 1989

For Well A.K.C. RAYFORD V-4  
For Tiltmeter T-4

MUTUAL RELEASE

WHEREAS, the United States of America, hereinafter referred to as the "Government," and Allene K. Clark Rayford and Norbert C. Rayford, husband and wife, hereinafter referred to as the "Lessor," did enter into Lease Nos. DACW29-5-87-2 and DACW29-5-87-4 on 25 March 1987; and

WHEREAS, paragraph 5 of said Leases provides for an inspection of the leased premises and a mutual release by the parties as of the expiration of the Lease term with regard to any claims;

NOW, THEREFORE, in accordance with the above, and with full and complete knowledge of the condition of the leasehold premises, the Government and the Lessor do hereby release each other from any and all claims with regard to the Leases; the condition of the leasehold premises as of the expiration of the Leases; or any other claims for damages arising out of these Leases.

UNITED STATES OF AMERICA

By: Allene K. Clark Rayford

LESSOR

By: Allene K. CLARK RAYFORD

By: Norbert C. Rayford  
NORBERT C. RAYFORD

UNITED STATES OF AMERICA

By: Woodrow B. Sandlin  
WOODROW B. SANDLIN  
Chief, Real Estate Division

NOTED JUL 14 1989 R.Kranes

J.O. NO. 17500.  
JOB BOOK NO. T2.  
SUBJECT FILES

TELEPHONE MEMORANDUM  
S & W  
TECHNICAL AND FIELD SERVICES CONTRACT

CALL DATE: Nov 10, 88 TIME: 8:45  
FROM: R. KRANES OF: CWEC  
TO: W. R. ROBERTS OF: LA. Power & Lst.

SUBJECT: RESTORATION OF LH-2 well site on  
L P&L property

SUMMARY: Mr. Roberts indicated that site was acceptable  
in its current condition without any extensive  
restoration in the way of replanting grasses. If we  
did "throw down" some winter rye & bermuda seed  
that would be fine also. He thought L P&L would have  
no problem signing release

ACTION REQUIRED: Contact D. Miller concerning signing of  
release.

DISTRIBUTION:

STANDARD	OPTIONAL	OTHERS
E.M. WASHER	C.B. MCSHAIN	
C.A. FOSTER	R.G. BURNS	
J.H. PECK	C.E. HOUK	
	F.J. DEHLER	

**COPY**Copy to: TTaylor-(DOE-SRPO)-enc  
DMiller(LANDMAN)-encSRS890118011  
EMWasher  
CAFoster  
JHPeck  
JKantola  
Project Files (M9)  
RKranesMr. W. R. Roberts, Jr.  
Louisiana Power and Light Co.  
P.O. Box 707  
W. Monroe, LA 71291-0707

January 18, 1989

J.O. No. 17500

**DOE TEST-WELL DECOMMISSIONING ACTIVITIES**  
**LANDOWNER DAMAGE RELEASE FORM**

Dear Mr. Roberts:

As you requested during our phone conversation with David Miller, January 10, 1989, I am sending you:

1. information regarding the use of the DOE test wells on the Minden substation site, and
2. rational for requesting a signed release.

The DAMAGE RELEASE forwarded to you through David Miller is a standard project form, for use in Louisiana and Mississippi, where Stone & Webster Engineering Corporation (SWEC) is in direct agreement with a landowner on whose property a well site is located.

The primary purpose of the landowner release is to establish that surface site restoration (i.e. final grading, seeding, tree planting, access road upgrading or removal) is completed according to the requirements contained in the lease (access) agreement and that this work has been performed to the satisfaction of the landowner.

In regard to the plugging of wells, the well operator (SWEC) and/or contractors (Southwestern Laboratories) actually performing the plugging are the parties responsible for the proper plugging of wells according to applicable federal, state, and local regulations. The landowner is not responsible, unless he is also the operator. Although there are minor differences from state to state, (Texas, Utah, Louisiana, and Mississippi), where SWEC has been plugging DOE test wells, the regulations are explicit in assigning this responsibility.

In the late 1970's, under a program run by the Department of Energy (DOE) to investigate potential sites for a geologic waste repository, Law Engineering Testing Co. (LETCo) was contracted to supervise the drilling of deep test wells at five well sites in Louisiana. The purpose of these wells was to acquire information on the geologic and geohydrologic conditions in the areas of Vacherie and Rayburns Salt Domes.

COPY

On November 19, 1979, LETCo entered into a lease agreement with Louisiana Power and Light Co.(LP&L) allowing LETCo to locate one of the deep test well sites proximate to their Minden substation. LETCo subcontracted Jim-Co Drilling Company to drill test wells LH-2A (1850 ft) and LH-2B (752 ft). They contracted with Continental Engine and Pump Co. to drill a water supply well LH-2WS (420 ft). Enclosed is LETCo's well completion report detailing the drilling and testing done at that site at that time.

After the drilling phase was completed, LETCo continued to operate the above wells for the purpose of collecting geohydrologic data and water samples for detailed analysis.

On May 1, 1982. The Earth Technology Corporation (TETC) assumed operatorship and entered into a Limited Right of Use Agreement with LP&L on January 16, 1985 for the same purpose that LETCo used the wells (collection of hydrologic data and water samples).

On June 27, 1988, SWEC took over as operators of the three wells at the LH-2 site for the purpose of plugging and abandoning (P&A) these wells. Well screens were completely plugged with sand and casings completely plugged with a cement-bentonite slurry as defined by state regulations. The following chronology details the activities involved with the P&A operation. All operations were supervised by a SWEC site representative and are documented on well histories required by the State of Louisiana Office of Conservation (see attachment).

#### CHRONOLOGY

7-19-88        OTIS ENGINEERING sounded wells to check whether the wells were open to the constructed depth. All wells were clear. Water samples were collected to check chlorinity and total dissolved solids content to determine the method of disposing of fluids displaced while plugging. Wells 2A and 2B required disposal of fluids at brine disposal wells.

9-11-88 to      SOUTHWESTERN LABORATORIES plugged LH-2B well (see attached well history and brine disposal manifest).

9-15-88 to      SOUTHWESTERN LABORATORIES squeezed and plugged LH-2WS well  
9-16-88        (attachments).

9-21-88 to      SOUTHWESTERN LABORATORIES plugged LH-2A well (attachments).  
9-22-88

9-27-88        SOUTHWESTERN LABORATORIES excavated around the three well heads, cut off casings 3 ft below ground level, welded a steel plate to the outermost casing, and backfilled the excavation.

12-1-88        NEWT BROWN CONTRACTORS cleaned, graded and seeded the LH-2 site.

COPY

If you have questions or need additional information, please contact me  
(617) 589-2579 or Mr. David Miller (601) 969-1160.

Very truly yours,



Richard Kranes

Enclosures

RK:nd

## STONE &amp; WEBSTER ENGINEERING CORPORATION

## FILE COPY . BOSTON

## Copy to:

TTaylor (DOE/SRPO)

Miller

EWasher

RKranes

HBjorkman

Project Files (M-9)

WPC 245/12 (6433-1750026-B4T)

CAFoster

Mr. W. R. Roberts, Jr.  
Louisiana Power & Light Co.  
P.O. Box 707  
W. Monroe, Louisiana 71291-0707

April 21, 1989

J.O. No. 17500

DECOMMISSIONING OF MINDEN SUBSTATION SITE  
MINDEN, LOUISIANA

Dear Mr. Roberts:

Regarding the use of land owned by Louisiana Power & Light Company (LP&L) for surface geologic studies and test well sites provided under the terms of agreement between LP&L and the Earth Technology Corporation (ERTEC) dated January 16, 1985, recorded as registry No. 321553, extended by agreement dated December 10, 1986, recorded as registry No. 36033 in the records of Webster Parish, Louisiana, be advised as follows:

Stone & Webster Engineering Corporation (SWEC) assumed said agreement and on September 10 to 22, 1989, plugged and abandoned wells LH2A, 2B and 2WS according to appropriate state regulations. On September 22, 1988, the three well heads were cut off 3 ft below ground surface, steel plates were welded on top of the casing, and excavations were backfilled. On December 1, 1988, the site was cleaned, graded and seeded by SWEC. Subsequently, in discussion with Richard Kranes and SWEC's landman, David Miller, you indicated that you had visited the site and were satisfied with the restoration work.

On January 18, 1989, SWEC forwarded to you a package of information that included state forms, SWEC technical data, and a brief chronology regarding the history of decommissioning activities performed at the site.

SWEC's standard project Damage Release Form was forwarded to you November 29, 1988, by David Miller. On March 15, 1989, LP&L provided Mr. Miller three executed copies of a modified damage release which SWEC cannot accept to the extent it extends the indemnification beyond that agreed to in the Limited Right of Use Agreement between LP&L and ERTEC. The three executed copies of this agreement are returned herewith.

SWEC has plugged and abandoned the wells located on the site and restored the site in accordance with the terms and conditions of the above described agreement.

STONE & WEBSTER ENGINEERING CORPORATION  
FILE COPY - BOSTON

WRR

2

April 21, 1989

Unless SWEC hears to the contrary from you within ten (10) days from the date hereof, all obligations under the terms of said agreement will be considered fulfilled and the matter closed.

We appreciate the cooperation and assistance you have provided during decommissioning activities at the Minden Substation Site.

Yours very truly,

C. A. Foster

CAF:cd

NOTED APR 20 1989 C.A.Foster



**LOUISIANA  
POWER & LIGHT / INTER-OFFICE CORRESPONDENCE**

May 1, 1989  
West Monroe, Louisiana

Mr. C. A. Foster  
Stone & Webster Engineering Corporation  
P. O. Box 2325  
Boston, MA 02107

RE: Decommission of Minden Substation  
Site J.O. No. 17500

Dear Mr. Foster:

This will acknowledge receipt of your letter of April 21, 1989 and this is to advise that we must insist that the damage release is subject to the indemnification provisions as contained therein: otherwise, the release of SWEC is of no effect and, of course, the matter is not closed, in the event any claims are asserted now or in the future with respect to the performance of any work or the exercise of any rights under the agreements by the parties, including SWEC.

Yours very truly,

W. R. Roberts, JR.  
Senior Right of Way Agent

cc: Mr. George L. Monteverde, Office  
Mr. Doyle P. Wheat, Office  
Mr. Billy M. Fuller, Office  
Mr. Luke S. Lucas, New Orleans

STONE &amp; WEBSTER ENGINEERING CORPORATION

FILE COPY . BOSTON

Copy to:

AHandwerker (DOE/CH)  
DMiller (Landman)EWasher  
RKranes  
HBjorkman  
Project Files  
WPC 245/12 (6590-1750000-B4T)  
CAFoster

Mr. Ted Taylor  
 Salt Depository Project Office  
 Amarillo Petroleum Building  
 203 W. 8th, Suite 205  
 Amarillo, TX 79101

May 16, 1989

J.O. No. 17500

DAMAGE RELEASE - LOUISIANA POWER & LIGHT (LP&L)  
MINDEN SUBSTATION SITE

The purpose of this letter is to provide an update on the status of obtaining a damage release from LP&L for the Minden Substation Site in Louisiana. The recent history of activities related to obtaining this release is as follows:

April 17, 1989 - Conference call DOE & SWEC. Concurrence that LP&L's release is unacceptable. DOE agrees with SWEC recommendation to attempt to obtain documentation of acceptance of site restoration via certified letter to LP&L.

April 21, 1989 - SWEC's reply to LP&L notes conditions in modified LP&L Damage Release that are unacceptable. Further, that the site has been restored in accordance with the terms and conditions of the Limited Right of Use Agreement, and unless contacted in ten days the matter is closed.

May 1, 1989 - LP&L's reply (attached) acknowledges SWEC letter of April 21, 1989, insists on indemnification provisions in their release, and that the matter is not closed.

The Limited Right of Use Agreement with LP&L expired on October 1, 1988. The conditions of the agreement do not specifically require that a release be executed. SWEC still considers the indemnification provisions contained in LP&L's release unacceptable, and unless DOE agrees to similarly indemnify SWEC, we do not intend to take any further action regarding the LP&L Agreement.

Please contact us if you do not concur. If additional information is needed, please do not hesitate to contact me (617) 589-2098.

C. A. Foster  
 Assistant Project Manager

NOTED MAY 16 1989 C.A.Foster

CAF:cd

**APPENDIX D**

**LIST OF PERSONAL COMMUNICATION REFERENCES**

## NOTES OF CONFERENCE

Location & DNR Baton Rouge 9/17/88 : 2:00

Attendees & R. DeConto SWEC

T. Regan SWEC

J. Maybry DOE

R. Nicks Battelle

R. Deville Harris Assoc

Bill Walter DNR OC

Clyde Carlson DOTD

### General Discussion:

- The DOC is outdated use OC,
- Technically the <sup>regulating</sup> jurisdiction of these wells is ambiguous. Since not oil/gas OC doesn't want them. Since they precede DOTD regulation they don't want them. Both agencies surprised to learn that many of the deep wells were permitted by both. Regulation will be performed on the following verbal agreement: DOTD regulates any wells cased & screened & OC regulates wells that penetrate freshwater. Some, therefore will be jointly regulated.

2 of 9

R = 2 to 3 ohms

- OC protects all aquifers  $< 10,000 \text{ mg/L TDS}$ . This will be determined for individual aquifers using Deep Resistivity logs.
  - 0-1000 ft 3 ohms or higher
  - 1000-2000 ft 2 to 2½ ohms

IF logs were not run in well OC will extrapolate from other nearby wells

OC will assist SWEC if we request

- All annuluses should be sealed. If no logs run drillers records are acceptable if documentation indicates circulated to surface.

- Run CBL if no record

- The following is a list of specific questions/clarifications & responses

## DOTD CHAPTER III

## A. DOCUMENTATION/CLARIFICATION

1. Page 51, Section 3.2.10

Obtain the Appendix I to Chapter III referenced in section.

OK Supplied

2. Page 52, Section 3.2.3.0.

Chapter V necessary for SWEC to obtain?

OK Supplied

3. Page 53, 54, Section 3.2.5.0.

Is the operator responsible for obtaining and submitting any forms?

NO. But obtained DOTD-GW-2 for information.

Is (DOT-GW-2) the only required form and is the contractor solely responsible? Yes. Contractor responsible

for submitting this form.

Is Appendix IV available since it contains DOTD-GW-2? The last paragraph implies that Geotechnical Holes may be documented, if so, are the records of Letco boreholes available?

No. Contractor just lists how many Geotech holes drilled in year  
No other info

4. Page 56, Section 3.2.90. Is notification of work required prior to inspection?

It's not required. However they may inspect at any time.

5. Page 56, Section 3.3.30.

Does the DOTD have construction records for nonpermitted (DOC) boreholes such as Geotechnical Boreholes, shallow borings and V series? Obtain these records if available. Obtain salinity information on aquifers.

4 of 9  
DOTD has no records. Only info is from Battelle reports. Salinity info can be found in Base of freshwater report. Probably 250ft Available on lending Basis only.

6. Page 57-60, Section 3.4.0.0.

Have the status of the wells been filed with the DOTD? Is it necessary to do now, and what would it be? No doubt the (90) or (30) day plugging dates have been violated.

We have to scan Lat, Long & owner from DOTD files to determine this, SWEC will provide lat, long, study area

7. Page 59, Section 3.4.4.1.

The operator/ownership of R-1A may be transferred to the landowner for use as a water supply well. Is there a DOTD document required? There is no DOTD form

Any legal instrument can be used.

8. Page 50, Section 3.0.5.0.

The deep boreholes can be classified as monitoring wells. Was the status changed to active, inactive or standby when monitoring ceased? DOTD doesn't know

9. Page 61, Section 3.4.7.0.

Are there drilling records for Geotechnical Boreholes demonstrating they were plugged? NO

## B. TECHNICAL CLARIFICATIONS

1. Page 62, Section 3.5.1.0.  
If cementonite/bentonite is premixed before water is added, is this permitted? No problem, DOC prefers less bentonite. However max 8% is OK with both agencies.
2. Page 63, Section 3.5.3.0.  
Are calculations to be submitted or on file. Is this the operator's or contractor's responsibility?  
Just on file with Contractors
3. Page 65, Section 3.6.1.3.  
Can a sand filler be placed from T.D. to the top of the screen? Is there a preferable method for sand placement?  
Prefer not to dump it. But it can be placed from TD TO TOP of screen
4. Page 65, Section 3.6.15.  
Is a cement bond log required to check the annulus seal?  
It is suggested by DOC for liability but not required. we should do.
5. Page 66, Section 3.6.17.  
How does one determine an area of confirmed contamination?  
DEQ determines this. Should check with DEQ. Renee' will handle.
6. Page 66, Section 3.6.1.9.  
Many of the shallow boreholes 25-200 ft may have caved in and are not recoverable. To what extent are they to be redrilled?  
DODD recommends, drill out top 25 ft if we can find holes & cement to G.S.

## A. DOCUMENTATION/APPLICATION CLARIFICATION

Are the following applications necessary. What are the fees involved?

1. Page 3, Section 3, August 26, 1974.

Need to obtain MD-11R application to plug and abandon. Is this in addition to DM-4 Rev.? Need copies of previously filed MD-11R's. Where are they located? *DOC is not sure what MD-11R is*

*He suggests see District office in Shreveport for this (MD-11R). SWEC call district office*

2. Page 3, Section 3, August 26, 1974

Need to obtain Well History and Work Resume Report (Form WN). Is this the official record? *Yes it is official record*

*See Permit section using Permit Nos, & copy well file report*

3. Are service companies to report their own work to the state?

*No. All tunnels thru operator info*

4. Page 17, Section XIX A.2, August 26, 1974

Have the wells been reported on inactive status forms (DM-1-R, DT-1) or semi annual INACT WR-1? Should they be reported when we assume operatorship? *Doc classified permitted wells as*

*Monitoring wells. The above forms are for oil & gas wells only & do not apply to us.*

5. Page 18, Section XIX F, August 26, 1974

Obtain transfer of Operatorship Forms MD-10-RA. Are there only prerequisite activities such as access? Will well serial number change? How long approval?

*Need (2) original signed copies of MD-10-RA  
Well no. remains same.*

## 6. Page 18, Section XIX F.

Obtain notification of intent to plug forms (Form DM-4 Rev.). Can we file one form for a suite of wells? How long to obtain approval? What is the name and telephone no. of appropriate District Manager for notification? No. Must submit DM-4 for each well

Two or three weeks for approval

Jackie LeVall or Frank Savant.

Shreveport Office 318-226-7585.

P.O. Box 3250 711-03 960 Jordan St  
Shreveport

## 7. Page 20, Section XIX F, 4, August 26, 1974

Obtain Form P&A. Is the cementing report a DOC document filed by the contractor? Obtain previous P&A's.

Yes, Get tomorrow

## 8. Page 20, Section XIX G, August 26, 1974

Is there a DOC form for transfer of well to landowner for water well?

Yes MD-10-RA if registered

## 9. Page 26, Section XV, 13.6, January 20, 1986

Is it necessary for the operator to obtain the oil field waste shipping control ticket?

Need a letter in a hurry to OC for permission to use commercial facility.

## 10. Why don't LSO-R1A &amp; DOE Smith have permit nos? Where can they be found?

DOC will scan files

## 11. Page 15, Section XV, 13.2B.

Is there a list of DOC approved transporters and commercial facilities?

No, licensed by Public Service Commission

Renee Deville will contact PSC

## B. TECHNICAL CLARIFICATIONS

1. Page 19, Section XIX, 3.d.  
What if any freshwater horizons may exist below surface casing?  
It is possible that a freshwater aquifer could be sandwiched between saline sands. Therefore Doc prefers that read resistivity logs to determine. They will help if necessary
2. Page 19, Section XIX, 3.d.  
Can brine be left in the well rather than displacing it with mud?

Yes, leave brine below bottom plug

3. Page 9, Section XV, 2.6, January 20, 1986.  
This section does not address procedures for instrument pit closure. Proposed - AP procedure is OK as is
4. Page 12, Section XV, 2.7 G1, January 20, 1986  
Does produced salt and freshwater require offsite commercial disposal? Produced salt water from a non oil/gas well cannot be disposed of in a commercial facility unless approved by the state. This requires a variance. May have to haul out of state. Fresh water can be disposed of on ground surface.
5. Page 15, Section XV 13.1, January 20, 1986  
What is the TDS limit for borehole fluids requiring disposal? Is a conductance meter acceptable or is titration necessary for TDS determination? 1 or 2 mill mho's. Sample from TD  
Titration not necessary. Conductance 1 or 2 mill mho's  
Sample from TD
6. Page 15, Section XV 13.2, A.4, January 20, 1986  
Is there a form for now generated?

Yes. Form UIC-16. Supplied by Doc

7. Page 67, Section 3.6.2.0.  
What is the jurisdiction of DEQ over monitoring wells?

Renee Deville says none.

8. Page 68, Section 3.6.4.0.

It is impractical to plug the entire depth of the DOE, Smith et al, No. 1 well with cement. Do the DOC regs. supersede below the surface casing (saline aquifer)?

Will plug as planned. Plug below surface casing as necessary then continuous plug to G.S.

J.O. No. 17500.  
Job Book No. T2.  
Subject Files

Telephone Memorandum  
S&W  
Technical & Field Services Contract

CALL DATE 17 JUNE 1988 TIME \_\_\_\_\_

From: JOEL Q. KANTOLA OF S&W

To: JOHN HOLMES (LSU/ICB)  
TO: ~~JOHN S. THOMAS (S&W-3885350)P~~ BECHTELLE

SUBJECT SH. BORE HOLES

SUMMARY ANNUAL REPORT (BLUE AND RED)  
SURVEYS NOT REPORT IN ANNUAL  
REPORT - ALL SENT TO COL. OHIO  
PLUGGING - BACKFILL w/ MATER.  
OUT OF HOLE BARORITE MUD  
R 1/2 T FUG CONCRETE AND MUD @  
E/W HIGHWAY CROSSE BEACIC LAKE  
BAVOU - BLUE REPORT SHOWS  
BLINE LOCATE GRAD C.I.O.E. @ LSU. 1/2 J. Howe  
& S LINE LSU GRAD STUDENT.

He'll CALL ME BECHTEL IF HE FIND MICRO. INFO

ACTION REQUIRED \_\_\_\_\_

DISTRIBUTION:

<u>STANDARD</u>	<u>OPTIONAL</u>	<u>OTHERS</u>
DTKing	DTKillilea	DLPents (Golder)
KMWasher	CBMcShain	RJByrne (Golder)
Project Files	RGBurns	JMcCleary (WCC)
	DSDuncan(Bechtel)	CWilgus(Everest)
	JHPeck	HParker (S&W)
	WSGray(Bechtel)	

Telephone Memorandum  
S&W  
Technical & Field Services Contract

CALL DATE 7/8/88 TIME \_\_\_\_\_  
From: R. DeCoito OF SWE  
To: 504-342-8950  
SUSJECT George Krainer OF DEQ Jurisdiction

SUMMARY DEQ requests that they be informed with regard to planning & commencement of Shallow Boreholes & Geotechnical Boreholes. Particularly those that are 200 ft or greater in depth. DEQ is responsible for protecting aquifers not covered by other agencies.

ACTION REQUIRED Maintain contact with DEQ

DISTRIBUTION:

STANDARD

~~RECORDED~~  
EMWasher  
Project Files

OPTIONAL

DTKillilea \_\_\_\_\_  
CBMcShain \_\_\_\_\_  
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DSDuncan(Bechtel) \_\_\_\_\_  
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WSGray(Bechtel) \_\_\_\_\_

DLPenz (Golder) \_\_\_\_\_  
RJByrne (Golder) \_\_\_\_\_  
JMcCleary (WCC) \_\_\_\_\_  
CWilgus (Everest) \_\_\_\_\_  
HParker (S&W) \_\_\_\_\_

OTHERS

CAFoster \_\_\_\_\_  
R.T. DeCoito \_\_\_\_\_  
\_\_\_\_\_

## NOTES OF CONFERENCE

LOCATION: DEPARTMENT OF NATURAL RESOURCES,

OFFICE OF CONSERVATION, BATON ROUGE, LA.

DATE 8 8/15/88 10: AM

ATTENDEES: Bill Waiter: OC

Clyde Carlson: DOTD

R. Kraines: SWEC

R. DeConto: SWEC

The primary purpose of the meeting was to determine the wells that may require perforating and squeezing based on Cement Bond Logs and Resistivity logs.

SWEC had compiled existing logs from LETCO reports and Information Service organizations.

Cement Bond Logs were recently run during SWEC site Reconnaissance activities in those wells where they had not been previously acquired.

The OC is particularly interested in ensuring that an adequate cement bond protects fresh water (<1000 TDS) from salt water. Prior to the meeting, R. Kraines selected the fresh/salt interface using OC's criteria from resistivity logs. The integrity of the annulus cement was then examined at that depth.

Logs from the following wells were reviewed:

All LH-2 site wells

All LT-7 site wells

All LH-17 site wells also R.K

All LVLT-6 site wells

V-4 well

V-6 well

The integrity of the cement bond (between casing and formation) was acceptable to the DOTD & OC except for the LVLT-6A, 6B, & 6C wells. Bill Walter recommended:

- perforating & squeezing <sup>75</sup> too socks in the sands above 1000 ft.
- Check the results with a CBL & squeeze again if necessary  
≥ 50 ft. cumulative squeeze

Other items addressed at the meeting were

- Use of Bridge Plugs. R DeConto inquired if Bridge Plugs could be placed in the casing above the screens followed by cement to surface. This would be in lieu of pumping cement or sand into the screen section. Use of the Bridge Plugs would 1) eliminate excessive cement loss to the formation through the screen 2) expedite cementing by avoiding

use of a sand plug in the screen 3) provide an accurate means of calculating volumes for cement to surface in a one step operation. Use of the Bridge Plug was acceptable to CCG however DOTD need to check.

- Restoration of Pit at LSU RIA well - R. Deconto inquired if the 12 ft circular pit, 3 ft deep adjacent to RIA well would require sampling & chemical analyses to satisfy OC regulations. Bill Walter said this would not be necessary and that backfilling the pit was acceptable.
- Pipe scale in tail pipes. Depth sounding indicated 10-18 ft thick scale has accumulated in some wells in the tail pipes. Does it have to be removed? OC & DOTD said it is not necessary.
- Entrained Gases in formation fluid. SWEC inquired if it would be necessary to take precautions during transport of displaced brine due to possible gas hydrocarbons entrapped in fluid. Bill Walter said there would be no problem for those shallow depths.

J.O. No. 17500.  
Job Book No. T2.  
Subject Files

Telephone Memorandum  
S&W  
Technical & Field Services Contract

CALL DATE 9/20/88 TIME \_\_\_\_\_  
From: R. DeConto of SWEC  
To: Bo. Bolurchi of DOTD La.  
SUBJECT Squeezing HT-7WS

SUMMARY Informed Br that the CBL in  
HT-7WS revealed a poor cement bond  
and that we planned to squeeze the annulus  
behind the surface casing.

He preferred not to perforate for the  
following reasons:

- 1) Believes cement records which indicate  
bond from 0-470 ft are more reliable than  
CBLs.
- 2) May damage existing bond during squeeze
- 3) Recommends only squeeze zones not previously cased off.

ACTION REQUIRED Plug above sand plug to G.L.

Do not squeeze

DISTRIBUTION:

<u>STANDARD</u>	<u>OPTIONAL</u>	<u>OTHERS</u>
<u>DKWash</u>	<u>DTKillilea</u>	<u>DLPents (Golder)</u>
<u>EMWasher</u>	<u>CBMcShain</u>	<u>RJByrne (Golder)</u>
<u>Project Files</u>	<u>RGBurns</u>	<u>JMcCleary (WCC)</u>
	<u>DSDuncan (Bechtel)</u>	<u>CWilgus (Everest)</u>
	<u>JHPeck</u>	<u>HParker (S&amp;W)</u>
	<u>WSGray (Bechtel)</u>	

Telephone Memorandum  
STW  
Technical & Field Services Contract

CALL DATE 8/31/88 TIME \_\_\_\_\_

From: R. DeConto OF SWEC

To: Bill Walter OF DNR, OC  
SUBJECT Serial Nos. for non permitted wells

SUMMARY Walter declined to provide genial nos.  
for wells in previous discussions since not  
oil/gas wells. However, in order to accept  
SWEC's plugging/abandonment documentation  
serial nos will be assigned as follows:

14-971960 & 15-971961 & 16-971962  
17-971963 & LSURIA-971964. Walter said  
to file work permits at Baton Rouge Office.  
Notification of 12hr prior to plugging is not  
required. Also perforation of risen pipe to  
fill annular space between risen & casing is not  
necessary.

R. DeConto file OC work permit DM 4R at  
Baton Rouge OC. OC will then assign work permit no.  
DISTRIBUTION:

STANDARD

~~DTK~~  
EMWasher  
Project Files

OPTIONAL

DTKillilea  
CBMcShain  
RGBurns  
DSDuncan(Bechtel)  
JHPeck  
WSGray(Bechtel)

DLPeutz (Golder)  
RJByrne (Golder)  
JMcCleary (WCC)  
CWilgus(Everest)  
HParker (S&W)

OTHERS

R. DeConto  
C. - test

Telephone Memorandum  
S&W  
Technical & Field Services Contract

CALL DATE 10-11-88

TIME 2:30

From: JOEL O. KANTOLA of SWE

To: MR. GARNER

McCALLAND ENGINEERS  
B NOW KNOWN AS  
OP GRUB, GARNER, AND HUFKYN

SUBJECT REQUEST DAILY REPORTS ON VALTERIE  
SHALLOW BORING.

SUMMARY REQUESTED INFO ON SHALLOW  
BORING & VALTERIE. SPECIFICALLY  
ASKED FOR B, S, M LINES.

ACTION REQUIRED WAIT! MR. GARNER'S REPLY: NO WRITTEN  
RECORDS, BUT HE ASSURED ME THEY BACKFILLED THE  
B, S, AND M LINES w/ CUTTINGS AND/or MUD.

10/13/88

DISTRIBUTION:

STANDARD

DTKing  
EMWasher  
Project Files

OPTIONAL

DTKillilea  
CBMcShain  
RGBurns  
DSDuncan(Bechtel)  
JHPeck  
WSGray(Bechtel)

DLPenz (Golder)  
RJByrne (Golder)  
JMcCleary (WCC)  
CWilgus(Everest)  
HParker (S&W)

OTHERS

D. DeGroot ✓  
A. Fuster ✓

J.O. NO. 17500.  
JOB BOOK NO. T2.  
SUBJECT FILES

TELEPHONE MEMORANDUM  
S & W  
TECHNICAL AND FIELD SERVICES CONTRACT

CALL DATE: 10-29-88 TIME: 8:00  
FROM: Z. KRANES OF: SWEC  
TO: FOWLER DRILLING OF:         
SUBJECT: RECORDS relating to the backfilling or  
grouting of LSU QUARTERWAVE STUDY boreholes  
SUMMARY: Mr. FOWLER SAID HE HAD NO FORMAL RECORDS  
INDICATIONS THAT THE BOREHOLES WERE GROUTED OR  
BACKFILLED, BUT IT WAS COMMON PRACTICE WITH HIM AND  
MOST OTHER DRILLERS TO PUT ALL MUD + CUTTING BACK  
IN THE HOLES BEFORE LEAVING ANY GIVEN SITE  
ACTION REQUIRED: None

DISTRIBUTION:

STANDARD	OPTIONAL	OTHERS
E.M. WASHER	C.B. MCSHAIN	
C.A. FOSTER	R.G. BURNS	
J.H. PECK	C.E. HOUK	
	F.J. DEHLER	

J.O. NO. 17500.  
JOB BOOK NO. T2.  
SUBJECT FILES

TELEPHONE MEMORANDUM  
S & W  
TECHNICAL AND FIELD SERVICES CONTRACT

CALL DATE: 11-1-88 TIME: 9:00 AM.  
FROM: R.Krane S OF: SNEC  
TO: I.W. Rowland OF: 377-5189  
T.S. Landowner

SUBJECT: RESTORATION OF LAND USED FOR  
TIltmeter - 5

SUMMARY: MR. Rowland indicated that he was satisfied  
with the removal of Tiltmeter - 5 from his property.  
He indicated that no further restoration is  
necessary.

Rowland said he would sign & return all necessary  
release forms sent to him by C.O.E.

ACTION REQUIRED: Notify C.O.E.

DISTRIBUTION:

STANDARD	OPTIONAL	OTHERS
E. M. WASHER	C. B. MCSHAIN	
C. A. FOSTER	R. G. BURNS	
J. H. PECK	C. E. HOUK	
	F. J. DEHLER	

J.O. NO. 17500.  
JOB BOOK NO. T2.  
SUBJECT FILES

TELEPHONE MEMORANDUM  
S & W  
TECHNICAL AND FIELD SERVICES CONTRACT

CALL DATE: 11-1-88 TIME: 9:00 PM  
FROM: R. KRANES OF: SWEC  
TO: MRS. P.D. HOLLEY OF: 377-4812  
T-3 LANDOWNER

SUBJECT: RESTORATION OF LAND USED FOR  
TIltmeter - 3

SUMMARY: Mrs. Holley indicated that he was satisfied  
with the removal of Tiltmeter - 3 from his  
property. She indicated that no further  
restoration is necessary.

Mrs. Holley said SWEC would sign & return all  
necessary release forms sent to her by C.O.E.

ACTION REQUIRED: Notify C.O.E.

DISTRIBUTION:

STANDARD	OPTIONAL	OTHERS
E.M. WASHER	C.B. MCSHAIN	
C.A. FOSTER	R.G. BURNS	
J W. PECK	C.E. HOUK	
	F.J. DEHLER	

NOTES OF MEETING WITH  
GARLAND THEUS

11/14/88

In response to a phone call from Bryant Miller, I contacted Garland Theus [(318) - 378 - 9121] on whose property the LSU V-6 well is located. We arranged to meet at 12:15 to inspect and discuss some problems he felt were caused when Western Cement Co. was on his property plugging back the V-6 well. The problems were:

1. Small plastic cap covering the light activated on/off switch at the top of the mercury vapor safety light in his yard was knocked off and broken.
2. The plug connecting a freezer in his nearby trailer was dislodged by large equipment vibration resulting in the freezer to shut off and meat to spoil.
3. Large equipment entering + leaving his property caused a breakage in an underground water line leading to the trailer mentioned above in #2.

Mr. Theus indicated at that time that he would like reasonable compensation for the disruption and for site reclamation rather than have Stone & Webster directly replace lost or broken items or directly do the repair or reclamation work. At that time he indicated the worth of the lost (spoiled) freezer items (meat) to be at \$75. He also indicated at that time that even when we had equipment on site to excavate, cut and cap casing he did not want spilled cement removed from the ground surface.

R. Kanes

Dec. 19, 1988 settlement finalized

J.O. NO. 17500.  
JOB BOOK NO. T2.  
SUBJECT FILES

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TELEPHONE MEMORANDUM  
S & W  
TECHNICAL AND FIELD SERVICES CONTRACT

CALL DATE: 12-8-88 TIME: 10:35

FROM: Clyde Knox - district manager OF: Willamette  
TO: R. Krines OF: SWEC

SUBJECT: Acceptability of site restoration - DOE Continental F. I. #1

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SUMMARY: Mr. Knox inspected the site and found the restoration effort sufficient and acceptable  
R. Krines informed Mr. Knox that the DOE would be contacting him regarding the release of the site. Mr. Knox acknowledged the process required.

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ACTION REQUIRED: Notify DOE of work completed and landowner acceptance of site restoration.

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DISTRIBUTION:

STANDARD	OPTIONAL	OTHERS
E. M. WASHER	C. B. MCSHAIN	
C. A. FOSTER	R. G. BURNS	
H. PECK	C. E. HOUK	
	F. J. DEHLER	

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J.O. No. 17500.  
Job Book No. T2.  
Subject files

Telephone Memorandum  
S&W  
Technical & Field Services Contract

CALL DATE 12-12-86 TIME 4:30

From: J.R. DIEHL

OF MARATHON OIL Co.  
713-242-5193

To: J.O. KANTOLA

OF SWE

SUBJECT CONSERVATION w/ SHALLOW BOREHOLE OA REP. FROM  
LETCo.

SUMMARY J.R. DIEHL SAID HE WAS A LETCO. OA REPRESENTATIVE  
AND INSPECTED APPROXIMATELY 50 SHALLOW BOREHOLES,  
MOST LIKELY THE "B" SERIES. ALL 50 HOLES WERE PROPERLY  
PLUGGED w/ BENTONITE PELLETS, MUD, AND/OR CUTTINGS.  
NONE THAT HE WAS INVOLVED w/ WERE LEFT OPEN.

ACTION REQUIRED

DISTRIBUTION:

<u>STANDARD</u>	<u>OPTIONAL</u>	<u>OTHERS</u>
DTKing	DTKillilea	DLPentz (Golder)
EWasher	CBMcShain	RJByrne (Golder)
Project Files	RGBurns	JMcCleary (WCC)
	DSDuncan(Bechtel)	CWilgus(Everest)
	JHPeck	HParker (S&W)
	WSGray(Bechtel)	

file  
FILM  
DATE



