

DOE/CH/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

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for

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DISCLAIMER

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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 DCE 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, SPRO 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

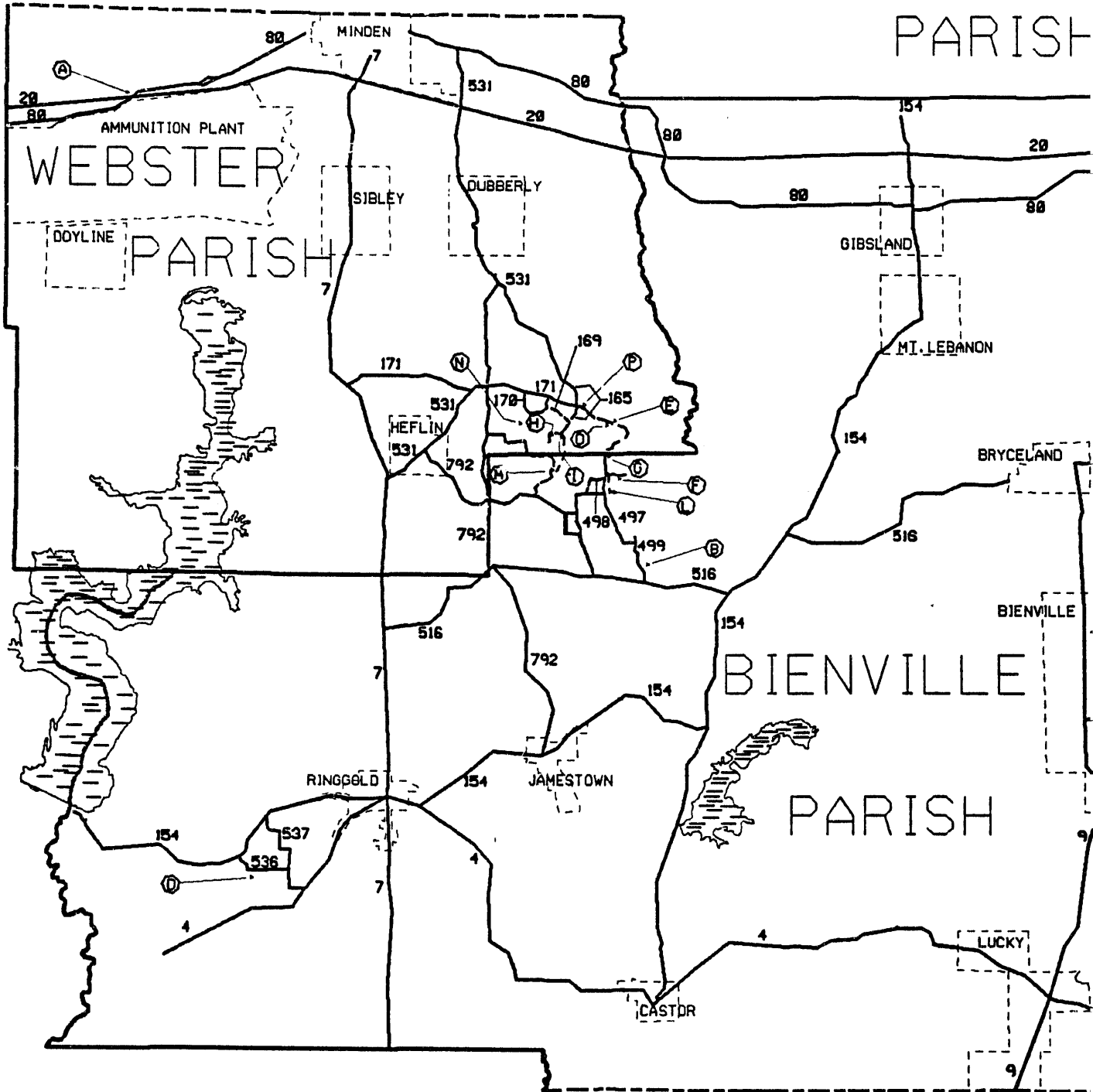
State records (DOTD, OC, and Geologic Survey), Project Records Turnover Packages (provided by Battelle Memorial Institute), Project Topical Reports (prepared by IES/LSU, LETCo, and TETC), and access/lease agreement information were reviewed by SWEC to determine whether all data relating to decommissioning 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

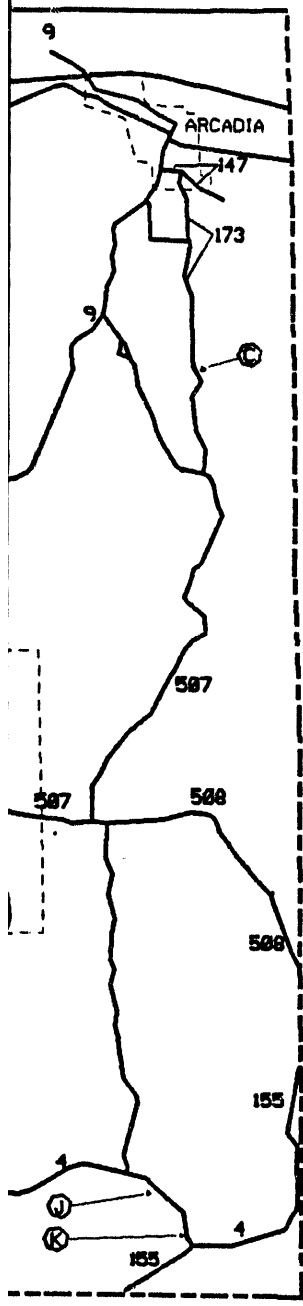
CLAIBOR PARISH

BOSSIER PARISH

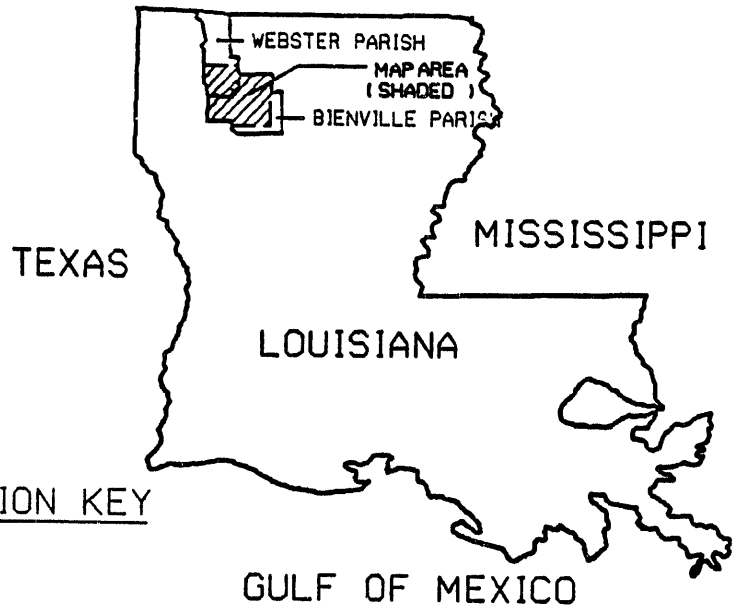


NOTE: NOT ALL ROADS SHOWN OR COMPLETED.

NE

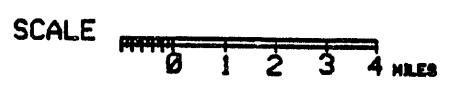
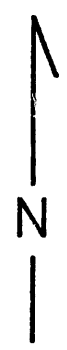


ARKANASAS



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



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

TABLE 2-1
WELL STATUS SUMMARY

HOLE/TILTMETER 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'' SNL, 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' SNL, 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' SNL, 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 LVH6A	1882.3'NSL & 178.4'EWL, SEC. 35, T17N, R8W, 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 LVH6B	1965.6'NSL & 233.7'EWL, SEC. 35, T17N, R8W, 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 LVH6C	2048.9'NSL & 289'EWL, SEC. 35, T17N, R8W, 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 LVH6WS	2102.9'NSL & 452.0'EWL, SEC. 35, T17N, R8W, 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 LVH7A	22.25'NSL & 816.00'EWL, SEC. 5, T17N, R5W, 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 LVH7B	14.1'NSL & 711.3'EWL SEC. 5, T17N, R5W, 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 LVH7WS	621.85'EWL & 28.71'SNL, SEC. 8, T17N, R5W, 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 LVH17A	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 LVH17B	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

WELL/TILTMETER NAME	LOCATION	LANDOWNER	OPERATOR	OC PERMIT SERIAL NO.	OC WORK PERMIT NO.	ACCESS AGREEMENT WITH TYPE	EXPIRES	LANDOWNER RELEASE (DATE)	STATUS
KCI Hodge Holdings LN17WS	2555.0' NSL & 656.9' EWL, SEC. 12, T15N, R10W, Bienville Parish	KCI Hodge Holdings, Inc. (Note 3)	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. Nines	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, R5W, Bienville Parish	Continental Hodge Woodlands Inc. (Note 3)	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' W/L 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/TILTMETER NAME	LOCATION	LANDOWNER	OPERATOR	OC PERMIT SERIAL NO.	OC WORK PERMIT NO.	ACCESS AGREEMENT WITH TYPE EXPIRES	LANDOWNER RELEASE (DATE)	STATUS
Tiltmeter - T4	1182.03'NSL & 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	BACKFILLED & RESTORED
Tiltmeter - T5	2901.78'EWL & 661.31'NSL SEC.9,T17N,R8W, Webster Parish	I.W.Rowland	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	COE LEASE 9/30/89	See Note 2	BACKFILLED & RESTORED

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 tiltometer 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 TABLE**

	L.P.&L. LH-2A	L.P.&L. LH-2B	L.P.&L. LH-2WS	KCI Hodge LVH-6A	KCI Hodge LVH-6B	KCI Hodge LVH-6C	KCI Hodge LVH-6WS	KCI Hodge LH-7A	KCI 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 ⁻ Temperature (°C)	24.0	26.6	24.2	33.1	28.5	27.6	26.3	37.5	37.3
Chloride Content (ppm Cl ⁻)	> 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

Location	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
98	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
7	Horton	Donnell	Horton	Horton	Horton	SwL	Horton	Horton	Horton	Horton	Horton
7	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, CBL	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 & Address</u>	<u>Comments</u>
Land Agent	.0035	David Miller 974 E. Fortification St. Jackson, MS 39202	Assisted SWEC in title searches and lease negoti- ations
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 measure- ments 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 & 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 (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⁻) 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, LH-7WS, 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.DECONTO	

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 RECONNAISSANCE AND TITLE RESEARCH ACTIVITIES REVEALED THAT DEEP BOREHOLE V-6 IS LOCATED ON PROPERTY THAT IS NOT UNDER AN ACCESS AGREEMENT. RECONNAISSANCE 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.DECONTO	

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.DECONTO	

SUMMARY OF ACTIVITIES

PLUGGING

THE EARTHWORK CONTRACTOR IMPROVED ACCESS ROADS TO TILTMETER SITES T1 AND T2 AND DEEP BOREHOLE PADS V7 & LSU-RIA. 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-RIA, AND DOE-CONT. F.I. SITES. A SITE RECONNAISSANCE SURVEY WAS PERFORMED AT THE LSU-RIA 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-RIA 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.DECONTO	

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 BORELHOLE 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. DECONTO	

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-QA 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-R1A 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 GROUNDLEVEL 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 GROUNDLEVEL. 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 PERFORATED WELLS LVH6A & 6B.
WESTERN CO. SQUEEZED LHV6A 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.
BELOW 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 LVH6L 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.DECONTO	

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.DECONTO	

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 GROUNDLEVEL 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 STIE 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	
<u>SUMMARY OF ACTIVITIES</u>		
PLUGGING		
<u>PLACED CEMENT PLUG IN THE LSU/R-1A. MOVED TO THE DOE-CONTINENTAL WELL. PLACED</u> <u>100 FT. FLOAT PLUG AT THE BASE OF THE 9-5/8" CASING (50 FT. IN THE CASING AND</u> <u>50 FT. BELOW THE CASING). COMPLETED PLUG TO SURFACE. MOVED TO DOE-SMITH #1</u> <u>WELL. SURVEYED IN POSSIBLE LOCATION OF V-5 WELL AND PERFORMED SEARCH WITH</u> <u>METAL DETECTOR. SHALLOW BOREHOLE SEARCH - INSPECTED POSITIONS LOCATED BY A&A</u> <u>SURVEYORS. NO EVIDENCE TO INDICATE PRESENCE OF THESE BORINGS. FOWLER</u> <u>DRILLING CO. WAS CONTACTED. NO RECORDS EXIST INDICATING FINAL DISPOSITION.</u> <u>DRILLER INDICATES BOREHOLES BACKFILLED WITH CUTTINGS & MUD.</u>		
RESTORATION		
<u>NONE</u>		
PROBLEMS		
<u>NONE</u>		
CHANGES TO ACTIVITY PLAN		
<u>NONE</u>		
SITE VISITORS		
<u>NONE</u>		
WORK PLANNED FOR NEXT WEEK		
<u>CONTINUE SQUEEZE AND PLUG BACK WORK ON DOE-SMITH WELL. MAKE FULL AREA SEARCH</u> <u>WITH METAL DETECTOR FOR V-5. CONTINUE SHALLOW BOREHOLE SEARCH FOR B-40 THRU</u> <u>B-53 LINE.</u>		

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	
<u>SUMMARY OF ACTIVITIES</u>		
PLUGGING		
<u>NO FIELD WORK DUE TO THANKSGIVING HOLIDAY</u>		
RESTORATION		
<u>NONE</u>		
PROBLEMS		
<u>NONE</u>		
CHANGES TO ACTIVITY PLAN		
SITE VISITORS		
<u>NONE</u>		
WORK PLANNED FOR NEXT WEEK		
<u>FINISH ALL REMAINING LOUISIANA FIELD WORK - CUT & CAP REMAINING WELLS</u>		
<u>(LH-7A,B,WS & DOE CONTINENTAL)</u>		

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 RECCONNAISSANCE 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

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 1233.4 EWL & 360.44 SNL* IN SEC. 3, T18N, R10W -- WEBSTER PARISH	
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>		J.O. No. <div style="text-align: center; font-weight: bold;">17500.26</div>	DATE <div style="text-align: center; font-weight: bold;">06/24/88</div>
WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">L.P. & L. LH-2A</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">JOAN L. WELC-LEPAIN</div>	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
AREA SURROUNDING WELLHEAD IS FLAT AND GRASSY.

DESCRIPTION OF WELL HEAD
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.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (07/19/88)
 GROUND ELEVATION 199.57 FT (DATUM)
 REPORTED DEPTH 1814.10 FT (SEE BOREHOLE COMPLETION SKETCH)
 MEASURED DEPTH 1795.88 FT OBSTRUCTION NONE FT
 FLUID DEPTH 228.38 FT CHLORIDE CONTENT > 4900 ppm Cl-
 CONDUCTIVITY 81.55 mS/cm TDS 40.780 mg/L
 TEMPERATURE 24.0 °C

REMARKS
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.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

LOCATION 1224.95' EWL & 288.15' SNL* IN SEC 3, T18N, R10W -- WEBSTER PARISH			
CLIENT DOE / SRPO	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">J.O. No. 17500.26</td> <td style="width: 50%;">DATE 06/24/88</td> </tr> </table>	J.O. No. 17500.26	DATE 06/24/88
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	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
PAD AREA IS FLAT AND GRASSY.

DESCRIPTION OF WELL HEAD
20 IN. CONDUCTOR PIPE 0.2' HIGH. 6.0 IN. CASING 0.65 FT. HIGH WITH HINGED, LOCK-ING CAP. WELLHEAD PROTECTED BY STEEL PIPE CAGE.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (07/19/88)

GROUND ELEVATION 198.9 FT (DATUM)

REPORTED DEPTH 744.05 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 745.29 FT OBSTRUCTION NONE FT

FLUID DEPTH 68.79 FT CHLORIDE CONTENT 1796 ppm Cl-

CONDUCTIVITY 5.78 mS/cm TDS 2890 mg/L

TEMPERATURE 26.6 °C

REMARKS
NONE

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center;">DOE / SRPO</div>		LOCATION 1280.52' EWL & 415.81' SNL* IN SEC 3, T18N, R10W -- WEBSTER PARISH	
		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
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.

DESCRIPTION OF SITE PAD AREA
PAD AREA IS FLAT AND GRASSY. WELLHEAD IS IN SMALL CEMENT PAD AT SURFACE.

DESCRIPTION OF WELL HEAD
4.0 IN. STEEL PIPE, 1.6 FT HIGH WITH HINGED, LOCKING CAP. WELLHEAD IS PROTECTED BY STEEL PIPE CAGE.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (7/19/88)

GROUND ELEVATION 197.76 FT (DATUM)

REPORTED DEPTH 139.48 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 135.47 FT OBSTRUCTION NONE FT

FLUID DEPTH 20.47 FT CHLORIDE CONTENT <300 ppm Cl-

CONDUCTIVITY 0.594 mS/cm TDS 305 mg/L

TEMPERATURE 24.2 °C

REMARKS
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.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 1882.3' NSL & 178.4' EWL* IN SEC 35. T17N, R8W -- BIENVILLE PARISH	
STATE <div style="text-align: center; font-size: 1.2em;">LOUISIANA</div>		J.O. No. <div style="text-align: center; font-size: 1.2em;">17500.26</div>	DATE <div style="text-align: center; font-size: 1.2em;">06/25/88</div>
WELL NAME & NUMBER <div style="text-align: center; font-size: 1.2em;">KCI HODGE LVH-6A</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-size: 1.2em;">R.T. DECONTO</div>	

DESCRIPTION OF SITE ACCESS

ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI. N. OF INTERSECTION WITH HWY 516.

ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT. LONG, LEVEL,

GRAVEL.

DESCRIPTION OF SITE PAD AREA

PAD CONSISTS OF 6 INCH THICK, BLOCKY GRAVEL. PAD IS LEVEL & CLEAR OF VEGETATION

AND ENDS 2 FT. BEYOND WELL HEAD.

DESCRIPTION OF WELL HEAD

CONSISTS OF 20" DIA. CONDUCTOR PIPE W/WELDED STEEL COVER PLATE, 10 3/4" DIA SUR-

FACE CASING EXTENDS THRU COVER PLATE. 6 IN. INNER CASING EXTENDS THROUGH SUR-

FACE CASING COVER PLATE. INNER CASING LOCKED WITH HINGED STEEL CAP. WELLHEAD

PROTECTED BY STEEL PIPE CAGE.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 7/20/88

GROUND ELEVATION 223.16 FT (DATUM)

REPORTED DEPTH 2702.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 2701.75 FT OBSTRUCTION NONE FT

FLUID DEPTH 91.75 FT CHLORIDE CONTENT > 4900 ppm Cl-

CONDUCTIVITY 195.33 mS/cm TDS 97.665 mg/L

TEMPERATURE 33.1 °C

REMARKS

SECURITY GATE CONTROLLED BY WILLAMETTE CORP. (PAUL MCMAHEN 318-377-4465) AND

LANDOWNER (MR. STEWART, FIRST HOUSE NORTH OF SITE ON PARISH RD. 499).

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 1965.6' NSL & 233.7 EWL* IN SEC 35, T17N, R8W -- BIENVILLE PARISH <hr/> J.O. No. DATE <div style="display: flex; justify-content: space-between;"> 17500.26 06/25/88 </div>	
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>	WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">KCI HODGE LVH-6B</div>	TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">R.T. DECONTO</div>	

DESCRIPTION OF SITE ACCESS
ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI. N. OF INTERSECTION WITH HWY 516.
ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT LONG, LEVEL,
GRAVEL.

DESCRIPTION OF SITE PAD AREA
PAD CONSISTS OF LARGE BLOCKY GRAVEL & COBBLES. PAD IS LEVEL & ABOUT 1 FT. THICK
& CLEAR OF VEGETATION. PAD EXTENDS 2 FT. BEYOND WELL HEAD & IS 39 FT. WESTERLY
EXTENSION OF ACCESS ROAD.

DESCRIPTION OF WELL HEAD
WELL HEAD CONSISTS OF 20" DIA. CONDUCTOR PIPE WITH 6" I.D. CASING STRING THROUGH
WELDED STEEL PLATE COVERING CONDUCTOR PIPE. INNER CASING IS COVERED & LOCKED
WITH HINGED CAP. NO EVIDENCE OF CEMENT AROUND PIPE. PROTECTIVE STEEL PIPE CAGE
SURROUNDS WELLHEAD.

DESCRIPTION OF PI'S
NA

DEPTH AND BOREHOLE - FLUID SURVEY: BY OTIS (7/20/88)

GROUND ELEVATION 224.64 FT (DATUM)

REPORTED DEPTH 1923.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 1905.2 FT OBSTRUCTION NONE FT

FLUID DEPTH 134.2 FT CHLORIDE CONTENT > 4900 ppm Cl-

CONDUCTIVITY 212.83 mS/cm TDS 106.415 mg/L

TEMPERATURE 28.5 °C

REMARKS
SECURITY GATE ACCESS CONTROLLED BY LANDOWNER (MR. STEWART) LOCATED IN FIRST
HOUSE NORTH OF SITE ON PARISH RD 499. WILLAMETTE CORP. ALSO HAS KEY (PAUL MC-
MAHEN 318-377-4465). THE TAILPIPE AND PART OF THE SCREEN HAVE BEEN FILLED WITH
PIPE SCALE. THE TOTAL DEPTH MEASURED IS 17.08 FT. SHALLOWER THAN WHAT IS RE-
PORTED IN THE WELL COMPLETION REPORT.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 2048.9' NSL & 289' EWL* IN SEC 35, T17N, R8W -- BIENVILLE PARISH	
		J.O. No. 17500.26	DATE 06/25/88
STATE <div style="text-align: center;">LOUISIANA</div>	WELL NAME & NUMBER <div style="text-align: center;">KCI HODGE LVH-6C</div>	TFSC FIELD REPRESENTATIVE <div style="text-align: center;">R.T. DECONTO</div>	

DESCRIPTION OF SITE ACCESS

ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI. N. OF INTERSECTION WITH HWY 516.

ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT LONG, LEVEL, GRAVEL.

DESCRIPTION OF SITE PAD AREA

LEVEL GRAVEL PAD WITH NO VEGETATION OFF ACCESS ROAD. PAD IS 42 FT LONG.

DESCRIPTION OF WELL HEAD

WELLHEAD CONSISTS OF 20 IN. DIA. CONDUCTOR COVERED WITH STEEL PLATE. 6.0 IN. CASING STICKS UP THROUGH PLATE AND LOCKED WITH A HINGED COVER PLATE. STEEL PIPE CAGE PROTECTS WELLHEAD.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88

GROUND ELEVATION 224.92 FT (DATUM)

REPORTED DEPTH 975.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 975.84 FT OBSTRUCTION NONE FT

FLUID DEPTH 45.84 FT CHLORIDE CONTENT 1888 ppm Cl-

CONDUCTIVITY 6.44 mS/cm TDS 3240 mg/L

TEMPERATURE 27.6 °C

REMARKS

ACCESS GATE CONTROLLED BY LANDOWNER (MR. STEWART) IN FIRST HOUSE NORTH OF SITE.

WILLAMETTE CORP. ALSO HAS ACCESS CONTROL (PAUL MCMAHEN, 318 377-4465).

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road

 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

LOCATION 2102.9 FT NSL & 452.0 FT EWL* IN SEC 35, T17N, R8W -- BIENVILLE PARISH			
CLIENT DOE / SRPO	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">J.O. No. 17500.26</td> <td style="width: 50%;">DATE 06/25/88</td> </tr> </table>	J.O. No. 17500.26	DATE 06/25/88
J.O. No. 17500.26	DATE 06/25/88		
STATE LOUISIANA	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">WELL NAME & NUMBER KCI HODGE LVH-6WS</td> <td style="width: 50%;">TFSC FIELD REPRESENTATIVE R.T. DECONTO</td> </tr> </table>	WELL NAME & NUMBER KCI HODGE LVH-6WS	TFSC FIELD REPRESENTATIVE R.T. DECONTO
WELL NAME & NUMBER KCI HODGE LVH-6WS	TFSC FIELD REPRESENTATIVE R.T. DECONTO		

DESCRIPTION OF SITE ACCESS

ACCESS ROAD IS ON E. SIDE OF PR 499, 0.6 MI N. OF INTERSECTION WITH HWY 516.

ENTRANCE SECURED BY LOCKED METAL GATE. ROAD IS APPROX. 1600 FT LONG, LEVEL.

GRAVEL.

DESCRIPTION OF SITE PAD AREA

ONE FT THICK GRAVEL PAD IS A WESTERLY EXTENSION OF ACCESS ROAD. APPROX. 15 FT

WIDE. ERODED AROUND WELLHEAD.

DESCRIPTION OF WELL HEAD

WELLHEAD IS A 4 IN. DIA. STEEL CASING W/ HINGED LOCKING CAP. WELLHEAD PROTECTED

BY STEEL PIPE CAGE.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88

GROUND ELEVATION 221.64 FT (DATUM)

REPORTED DEPTH 98.71 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 99.16 FT OBSTRUCTION NONE FT

FLUID DEPTH 33.16 FT CHLORIDE CONTENT <50 ppm Cl-

CONDUCTIVITY 0.078 mS/cm TDS 40 mg/L

TEMPERATURE 26.3 °C

REMARKS

ACCESS GATE CONTROLLED BY LANDOWNER (MR. STEWART) IN FIRST HOUSE NORTH OF SITE.

WILLAMETTE CORP. ALSO HAS ACCESS CONTROL.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
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SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 22.25 FT NSL & 816.0 FT EWL* IN SEC 5, T17N, R5W -- BIENVILLE PARISH	
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>		J.O. No. 17500.26	DATE 06/24/88
WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">KCI HODGE LH-7A</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">J.L. WELC-LEPAIN</div>	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
PAD AREA OVERGROWN WITH GRASS AND SMALL TREES.

DESCRIPTION OF WELL HEAD
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.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88

GROUND ELEVATION 325.57 FT (DATUM)

REPORTED DEPTH 1565.09 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 1566.51 FT OBSTRUCTION NONE FT

FLUID DEPTH 143.51 FT CHLORIDE CONTENT >4900 ppm Cl-

CONDUCTIVITY 10.29 mS/cm TDS 5140 mg/L

TEMPERATURE 37.5 °C

REMARKS
NONE

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT DOE / SRPO		LOCATION 14.1 FT NSL & 711.3 FT EWL* IN SEC 5, T17N, R5W -- BIENVILLE PARISH	
		J.O. No. 17500.26	DATE 06/24/88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-7B	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
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.

DESCRIPTION OF WELL HEAD
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.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88

GROUND ELEVATION 326.27 FT (DATUM)

REPORTED DEPTH 1051.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 1044.79 FT OBSTRUCTION NONE FT

FLUID DEPTH 161.29 FT CHLORIDE CONTENT 745 ppm Cl-

CONDUCTIVITY 3.58 mS/cm TDS 1780 mg/L

TEMPERATURE 37.3 °C

REMARKS
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.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 621.85 FT EWL & 28.71 FT SNL* IN SEC 8, T17N, R5W -- BIENVILLE PARISH	
STATE <div style="text-align: center; font-size: 1.2em;">LOUISIANA</div>		J.O. No. 17500.26	DATE 06/24/88
WELL NAME & NUMBER <div style="text-align: center; font-size: 1.2em;">KCI HODGE LH-7WS</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-size: 1.2em;">J.L. WELC-LEPAIN</div>	

DESCRIPTION OF SITE ACCESS

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.

DESCRIPTION OF SITE PAD AREA

PAD AREA IS OVERGROWN WITH GRASS AND SMALL TREES.

DESCRIPTION OF WELL HEAD

6.0 IN. STEEL CASING STICKS UP 2.5 FT. WITH LOCKING HINGED CAP. WELLHEAD

PROTECTED BY STEEL PIPE CAGE.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88

GROUND ELEVATION 332.79 FT (DATUM)

REPORTED DEPTH 595.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 588.68 FT OBSTRUCTION NONE FT

FLUID DEPTH 195.18 FT CHLORIDE CONTENT <300 ppm Cl-

CONDUCTIVITY 0.248 mS/cm TDS 124 mg/L

TEMPERATURE 30.0 °C

REMARKS

PIPE SCALE IN TAIL PIPE BELIEVED TO BE CAUSE OF 6.33 FT DIFFERENCE IN DEPTH RE-

PORTED IN WELL COMPLETION REPORT AND THIS SURVEY.

*NOTE: NSL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 2475 FT NSL & 641.91 FT WEL* IN SEC 12, T15N, R10W -- BIENVILLE PARISH			
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>		WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">KCI HODGE LH-17A</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">J.O. No. 17500.26</td> <td style="width: 50%;">DATE 06/25/88</td> </tr> </table>	J.O. No. 17500.26	DATE 06/25/88
J.O. No. 17500.26	DATE 06/25/88				
TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">J.M. GONZALES</div>					

DESCRIPTION OF SITE ACCESS

ACCESS TO SITE IS ON S. SIDE OF PR 536, 0.4 MI. S. OF JUNCTION WITH HWY 154.

ACCES IS A WIDE SMOOTH GRAVEL ROAD. WELLS ARE TO EAST OF ROAD.

DESCRIPTION OF SITE PAD AREA

ROAD IS LEVEL TO WELLHEAD AND ABOUT 170 FT FROM ENTRANCE TO SITE. PAD IS LEVEL

WITH SOME EROSION ON EAST SIDE. SEVERAL PILES OF TRASH ON SIDES OF ROAD.

DESCRIPTION OF WELL HEAD

20 IN. CONDUCTOR PIPE AT SURFACE WITH COVER PLATE. 10.75 IN. CASING STICKS UP

THROUGH PLATE. 6.0 IN. CASING STICKS OUT OF 10.75 IN. CASING 1.5 FT ABOVE G.L.

HINGED. LOCKING CAP ON 6.0 IN. CASING. STEEL PIPE CAGE PROTECTS THE WELL HEAD.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88

GROUND ELEVATION 270.00 FT (DATUM)

REPORTED DEPTH 2027.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 2012.91 FT OBSTRUCTION NONE FT

FLUID DEPTH 301.91 FT CHLORIDE CONTENT >5000 ppm Cl-

CONDUCTIVITY 67.13 mS/cm TDS 33.565 mg/L

TEMPERATURE NOT TAKEN °C

REMARKS

PIPE SCALE IN TAIL PIPE IS BELIEVED TO BE CAUSE OF 14.1 FT DIFFERENCE IN DEPTH

BETWEEN THE WELL COMPLETION REPORT AND THIS SURVEY. WIRELINE HAD TROUBLE ENTER-

ING THE 4.0 IN. RISER PIPE BELOW THE 6.0 IN. PIPE.

*NOTE: NSL = South of North Line EWL = East of West Line PR = Parish Road

NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 640.0 FT WEL & 2406.8 FT NSL* IN SEC 12, T15N, R10W -- BIENVILLE PARISH	
		J.O. No. <div style="text-align: center; font-size: 1.2em;">17500.26</div>	DATE <div style="text-align: center; font-size: 1.2em;">06/25/88</div>
STATE <div style="text-align: center; font-size: 1.2em;">LOUISIANA</div>	WELL NAME & NUMBER <div style="text-align: center; font-size: 1.2em;">KCI HODGE LH-17B</div>	TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-size: 1.2em;">J.Q. KANTOLA</div>	

DESCRIPTION OF SITE ACCESS

ACCESS TO SITE IS ON S. SIDE OF PR 536, 0.4 MI. S. OF JUNCTION WITH HWY 154.

ACCESS IS WIDE SMOOTH GRAVEL ROAD. WELLS ARE TO THE EAST. SEVERAL PILES OF TRASH ALONG ROAD.

DESCRIPTION OF SITE PAD AREA

PAD IS OVERGROWN WITH BRUSH, WITH SOME EROSION ON EAST SIDE.

DESCRIPTION OF WELL HEAD

20.0 IN. CONDUCTOR PIPE STICKS UP 1.4 FT WITH STEEL PLATE ON TOP. 6.0 IN. CASING STICKS THROUGH THE COVER PLATE 0.8 FT. WITH HINGED LOCKING CAP. STEEL PIPE CAGE PROTECTS WELL HEAD.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88

GROUND ELEVATION 269.72 FT (DATUM)

REPORTED DEPTH 1377.94 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 1376.49 FT OBSTRUCTION NONE FT

FLUID DEPTH 13.99 FT CHLORIDE CONTENT >5000 ppm Cl-

CONDUCTIVITY 55.43 mS/cm TDS 27.715 mg/L

TEMPERATURE 30.5 °C

REMARKS

NONE

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

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

ACCESS TO SITE IS ON S. SIDE OF PR 536, 0.4 MI. S. OF JUNCTION WITH HWY 154.

ACCESS IS WIDE SMOOTH GRAVEL ROAD. SEVERAL PILES OF TRASH ALONG ROAD. SOME OVER GROWTH.

DESCRIPTION OF SITE PAD AREA

PAD IS LEVEL WITH SOME OVERGROWTH OF BUSHES AND EROSION ALONG THE EAST SIDE.

DESCRIPTION OF WELL HEAD

4.0 IN. STEEL PIPE WITH HINGED, LOCKING CAP STICKS OUT OF GROUND 1.0 FT.

STEEL PIPE CAGE SURROUNDS THE WELL HEAD.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88

GROUND ELEVATION 270.38 FT (DATUM)

REPORTED DEPTH 433.53 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 432.82 FT OBSTRUCTION NONE FT

FLUID DEPTH 79.29 FT CHLORIDE CONTENT <300 ppm Cl-

CONDUCTIVITY 0.474 mS/cm TDS 237 mg/L

TEMPERATURE 29.1 °C

REMARKS

NONE

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT DOE / SRPO		LOCATION 1212.55 FT NSL & 630.64 FT EWL* IN SEC 15, T17N, R8W -- WEBSTER PARISH	
		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	

DESCRIPTION OF SITE ACCESS
ACCESS ROAD DIFFICULT TO FIND. MARKED BY LARGE OAK TREE ON NE SIDE OF PARISH
ROAD 497. 1.0 MI. SE OF INTERSECTION WITH PR 165. OVERGROWN WITH TREES & BUSHES
ROAD ABOUT 60 FT LONG.

DESCRIPTION OF SITE PAD AREA
PAD AREA IS OVERGROWN WITH SMALL TREES AND BUSHES. NO GRAVEL.

DESCRIPTION OF WELL HEAD
5.5 IN. STEEL CASING STICKING UP 7.0 IN. WITH 10.0 IN. FLANGE AND COVER
THREADED ON THE 5.5 IN. 3' X 3' CEMENT PAD AROUND WELL.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/20/88

GROUND ELEVATION 280.84 FT (DATUM)

REPORTED DEPTH 488.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 481.0 FT OBSTRUCTION NONE FT

FLUID DEPTH 58.0 FT CHLORIDE CONTENT 595 ppm Cl-

CONDUCTIVITY 1.88 mS/cm TDS 940 mg/L

TEMPERATURE 27.7 °C

REMARKS
NONE

*NOTE: NSL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 2013.18 FT NSL & 747.35 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>		J.O. No. DATE <div style="display: flex; justify-content: space-between;"> 17500.26 01/04/89 </div>	
WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">E.H.S. CONNELL V-5</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">J.Q. KANTOLA</div>	

DESCRIPTION OF SITE ACCESS
ACCESS ROAD IS ON E. SIDE OF PR 497, 100 FT N. OF INTERSECTION WITH PR 498.
ACCESS INITIALLY BEARS NE. FOR ~100 FT. WELL IS ABOUT 25 FT OFF THE S. SIDE OF
ROAD AT .16 MI FROM PR 497.

DESCRIPTION OF SITE PAD AREA
PAD AREA IS LEVEL AND OVERGROWN WITH SMALL TREES AND GRASS.

DESCRIPTION OF WELL HEAD
5.0 IN. CASING STICKS UP 1.6 FT. 10.0 IN. FLANGE AND COVER PLATE THREADED
TO TOP OF 5.0 IN. CASING.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 01/04/89

GROUND ELEVATION 239.52 FT (DATUM)

REPORTED DEPTH 387.0 FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 403.5* FT OBSTRUCTION NONE FT

FLUID DEPTH 54.2 FT CHLORIDE CONTENT 1133 ppm Cl-

CONDUCTIVITY 3.78 mS/cm TDS 1850 mg/L

TEMPERATURE NOT TAKEN °C

REMARKS
* WIRELINE DEPTH IS TO TOP OF PLUGBACK IN OPEN HOLE BELOW TAIL PIPE.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT DOE / SRPO		LOCATION 23.38 FT SNL & 116.85 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
		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
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.

DESCRIPTION OF SITE PAD AREA
PAD AREA IS FLAT GRASSY AREA IN BACKYARD OF RESIDENCE. 3'x3' CEMENT PAD AROUND WELLHEAD.

DESCRIPTION OF WELL HEAD
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.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 07/19/88

GROUND ELEVATION 219.29 FT (DATUM)

REPORTED DEPTH 618.0* FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 608.0 FT OBSTRUCTION NONE FT

FLUID DEPTH 20.5 FT CHLORIDE CONTENT >4900 ppm Cl-

CONDUCTIVITY 23.43 mS/cm TDS 11.715 mg/L

TEMPERATURE 39.5 °C

REMARKS
* ACTUAL DEPTH OF TAILPIPE IS UNKNOWN. MAXIMUM REPORTED DEPTH IS 618 FT.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 1498.51 FT SNL & 1047.86 FT WEL* IN SEC 17, T17N, R8W -- WEBSTER PARISH	
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>		J.O. No. <div style="text-align: center; font-weight: bold;">17500.26</div>	DATE <div style="text-align: center; font-weight: bold;">06/28/88</div>
WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">E.H.S. CONNELL V-7</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">J.Q. KANTOLA</div>	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
PAD IS ABOUT 40 X 30 FT. GRASS COVERED WITH SMALL MOUND OF SOIL NEAR CENTER. NO
GRAVEL ON PAD.

DESCRIPTION OF WELL HEAD
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.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 09/01/88

GROUND ELEVATION 225.89 FT (DATUM)

REPORTED DEPTH 806* FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 124.1 FT OBSTRUCTION 124.1 FT

FLUID DEPTH ** FT CHLORIDE CONTENT >4900 ppm Cl-

CONDUCTMITY 472.53 mS/cm TDS 236.265 mg/L

TEMPERATURE NOT TAKEN °C

REMARKS

* THIS IS THE MAXIMUM REPORTED DEPTH OF THE TAILPIPE. ACTUAL DEPTH IS UNKNOWN
DUE TO OBSTRUCTION AT 124.1 FT.

** FLUID LEVEL IS BELOW OBSTRUCTION.

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

CLIENT DOE / SRPO		LOCATION 307.39' EWL OF EAST 1/2 SE1/4, 1010.26' NSL* IN SEC 31, T17N, R8W -- BIENVILLE PARISH	
		J.O. No. 17500.26	DATE 08/13/88
STATE LOUISIANA	WELL NAME & NUMBER LSU R1-A	TFSC FIELD REPRESENTATIVE R.T. DECONTO	

DESCRIPTION OF SITE ACCESS

ACCESS IS OFF RT 4 0.45 MI. WEST OF THE INTERSECT/RT 4 & RT 155. ACCESS HEADS
SW OFF RT 4 NEAR 3 CLOSELY SPACED UTILITTY POLES ROAD IS OVER GROWN WITH GRASS
SMALL TREES AND ENDS AT WELL HEAD IN CLEARING OF WOODS ABOUT 180 FT FROM RT 4.

DESCRIPTION OF SITE PAD AREA

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.

DESCRIPTION OF WELL HEAD

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.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 08/21/88

GROUND ELEVATION 227.64 FT (DATUM)

REPORTED DEPTH 488* FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 483.0 FT OBSTRUCTION NONE FT

FLUID DEPTH 63.0 FT CHLORIDE CONTENT <50 ppm Cl-

CONDUCTIVITY 0.32 mS/cm TDS 160 mg/L

TEMPERATURE 37.7 °C

REMARKS

* BASE OF SCREEN

WELL OBSTRUCTED AT VARIOUS DEPTHS BETWEEN 80 AND 444 FT (MOSTLY AGGREGATES).
OBSTRUCTIONS CLEARED BY WIRELINE BAILER.

*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

CLIENT DOE / SRPO		LOCATION 1628'W & 740'N OF SE COR. OF NE1/4 OF NW1/4* IN SEC 31, T15N, R5W -- BIENVILLE PARISH	
		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
ACCESS IS OFF HWY 4. 248 FT SE OF ARKLA PIPELINE MARKER ON SOUTH SIDE OF ROAD.
AND APPROX. 1.5 MI. WEST OF THE INTERSECTION OF HWY. 4 AND HWY.155.
ROAD IS LEVEL. GRASSY. DIRT AND FOLLOWS UTILITY LINE THROUGH PINE PLANTATION.

DESCRIPTION OF SITE PAD AREA
PAD IS GRASS COVERED. SMOOTH. LEVEL DIRT ABOUT 50 X 100 FT. SURROUNDED BY TREES

DESCRIPTION OF WELL HEAD
WELLHEAD STICKS UP FROM 2 FT DEEP WOODEN CELLAR. 9 5/8 CASING IS CAPPED WITH
TWO VALVE PRESSURE HEAD. EXTENDS 3.3 FT ABOVE G.L.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: 08/21/88

GROUND ELEVATION 214.6* FT (DATUM)

REPORTED DEPTH 424** FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH >500 FT OBSTRUCTION NONE FT

FLUID DEPTH SURF. FT CHLORIDE CONTENT >3600 ppm Cl-

CONDUCTIVITY 523.72 mS/cm TDS 261,860 mg/L

TEMPERATURE 28.5 °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 EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

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	DATE 08/29/88
STATE LOUISIANA	WELL NAME & NUMBER SMITH et al. No. 1	TFSC FIELD REPRESENTATIVE C.A. FOSTER/J.Q. KANTOLA

DESCRIPTION OF SITE ACCESS

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.

DESCRIPTION OF SITE PAD AREA

LARGE, LEVEL GRAVEL PAD (~1 ACRE) WITH WELLHEAD IN CENTER.

DESCRIPTION OF WELL HEAD

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.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: 09/04/88

GROUND ELEVATION 227.7 FT (DATUM)

REPORTED DEPTH 972.0* FT (SEE BOREHOLE COMPLETION SKETCH)

MEASURED DEPTH 1075 FT OBSTRUCTION NONE FT

FLUID DEPTH SURF. FT CHLORIDE CONTENT >4900 ppm Cl-

CONDUCTIVITY 520.53 mS/cm TDS 260,270 mg/L

TEMPERATURE 24.0 °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

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 1215.17 FT NSL & 103.82 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH	
STATE <div style="text-align: center; font-size: 1.2em;">LOUISIANA</div>		J.O. No. <div style="text-align: center; font-size: 1.2em;">17500.26</div>	DATE <div style="text-align: center; font-size: 1.2em;">06/27/88</div>
WELL NAME & NUMBER <div style="text-align: center; font-size: 1.2em;">TILTMETER T-1</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-size: 1.2em;">J.M. GONZALES</div>	

DESCRIPTION OF SITE ACCESS
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.
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 (DATUM)

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

REMARKS
NONE

*NOTE: NSL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

LOCATION 1215.17 FT NSL & 103.82 FT EWL* IN SEC 22, T17N, R8W -- BIENVILLE PARISH			
CLIENT DOE / SRPO	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">J.O. No. 17500.26</td> <td style="width: 50%; border: none;">DATE 08/13/88</td> </tr> </table>	J.O. No. 17500.26	DATE 08/13/88
J.O. No. 17500.26	DATE 08/13/88		
STATE LOUISIANA	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">WELL NAME & NUMBER GEOTECH. BORING TB-1</td> <td style="width: 50%; border: none;">TFSC FIELD REPRESENTATIVE R. KRANES</td> </tr> </table>	WELL NAME & NUMBER GEOTECH. BORING TB-1	TFSC FIELD REPRESENTATIVE R. KRANES
WELL NAME & NUMBER GEOTECH. BORING TB-1	TFSC FIELD REPRESENTATIVE R. KRANES		

DESCRIPTION OF SITE ACCESS

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

DESCRIPTION OF SITE PAD AREA

TB-1 IS REPORTED TO BE LOCATED RELATIVE TO TILTMETER T-1 AT 122.5 FTON A BEARING
OF N63W. A SOFT DEPRESSION IN GROUND WAS LOCATED 135 FT FROM T-1 ON
THIS BEARING.

DESCRIPTION OF WELL HEAD

NA

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)

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

REMARKS

THE APPROXIMATE LOCATION WAS PROBED WITH A STEEL ROD. NOTHING WAS FOUND OTHER
THAN AN AREA OF SOFT SOIL IN A DEPRESSION.

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SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 2278.85 FT NSL & 4065.2 FT EWL* IN SEC 20, T17N, R8W -- BIENVILLE PARISH	
STATE <div style="text-align: center; font-size: 1.2em;">LOUISIANA</div>		J.O. No. <div style="text-align: center; font-size: 1.2em;">17500.26</div>	DATE <div style="text-align: center; font-size: 1.2em;">06/28/88</div>
WELL NAME & NUMBER <div style="text-align: center; font-size: 1.2em;">TILTMETER T-2</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-size: 1.2em;">J.L. WELC-LEPAIN</div>	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
SITE IS LEVEL. SANDY. WITH GRASS. BENCHMARK LOCATED 45 FT N OF TILTMETER PIT.

DESCRIPTION OF WELL HEAD
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 & METAL PIPES
PROTRUDING FROM THE BOTTOM AND SIDES OF THE LARGER CORRUGATED PIPES. BOTTOM OF
PIT IS SOIL.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)

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

REMARKS
NONE

*NOTE: NSL = South of North Line EWL = East of West Line PR = Parish Road
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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

TILTMETER T-3

TFSC FIELD REPRESENTATIVE

J.Q. KANTOLA

DESCRIPTION OF SITE ACCESS

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.

DESCRIPTION OF SITE PAD AREA

TP-3 IS IN GRASSY FIELD AT TOP OF HILL WITH NO OBSTRUCTIONS.

DESCRIPTION OF WELL HEAD

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.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)REPORTED DEPTH NA FT (SEE BOREHOLE COMPLETION SKETCH)MEASURED DEPTH NA FT OBSTRUCTION NA FTFLUID DEPTH NA FT CHLORIDE CONTENT NA ppm Cl-CONDUCTIVITY NA mS/cm TDS NA mg/LTEMPERATURE NA °C

REMARKS

FOR ACCESS THROUGH GATES. CONTACT LANDOWNER (P.D. HOLLEY, 318 377-4812).

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WEL = West of East Line

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SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 784.34 FT SNL & 113.08 FT WEL* IN SEC 18, T17N, R8W -- WEBSTER PARISH <hr/> J.O. No. 17500.26 DATE 06/27/88	
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>	WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">GEOTECH. BORING TB-3</div>	TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">J.Q. KANTOLA</div>	
DESCRIPTION OF SITE ACCESS <u>ACCESS ROAD IS ON RIGHT SIDE OF PARISH ROAD 170. .38 MI. FROM INTERSECTION WITH</u> <u>PR 171. ROAD IS NARROW AND SANDY WITH LOCKED GATE AT .15 MI. GO TO SECOND</u> <u>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</u> <u>SEARCH AND PROBING WITH ROD WAS UNSUCCESSFUL IN LOCATING THE FORMER LOCATION OF</u> <u>THE BOREHOLE. SHALLOW DEPRESSION NEAR THE LOCATION WAS STAKED AND PHOTOGRAPHED.</u>			
DESCRIPTION OF WELL HEAD <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>			
DESCRIPTION OF PITS <u>NA</u> <hr/> <hr/> <hr/>			
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> <hr/> <hr/> <hr/> <hr/> <hr/>			
<div style="font-size: small;"> *NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road NSL = North of South Line WEL = West of East Line </div>			

SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-size: 1.2em;">DOE / SRPO</div>		LOCATION 1182.03 FT NSL & 299.74 FT EWL* IN SEC 15, T17N, R8W -- WEBSTER PARISH	
STATE <div style="text-align: center; font-size: 1.2em;">LOUISIANA</div>		J.O. No. 17500.26	DATE 06/27/88
WELL NAME & NUMBER <div style="text-align: center; font-size: 1.2em;">TILTMETER T-4</div>		TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-size: 1.2em;">R.T. DECONTO</div>	

DESCRIPTION OF SITE ACCESS

ACCESS ROAD IS ON THE RIGHT SIDE OF PARISH ROAD 497, 0.95 MI. SE FROM INTERSEC-
TION WITH PR 165. ROAD IS LEVEL BUT OVERGROWN WITH BRUSH.

DESCRIPTION OF SITE PAD AREA

TILTMETER PITS ARE LOCATED AT END OF ACCESS ROAD IN CLEARING ABOUT 18 FT IN DIA.
CLEARING IS OVERGROWN WITH SMALL TREES AND BRUSH.

DESCRIPTION OF WELL HEAD

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.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)

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

REMARKS

BENCHMARK NEAR ENTRANCE TO SITE.

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SITE RECONNAISSANCE FORM

CLIENT <div style="text-align: center; font-weight: bold;">DOE / SRPO</div>		LOCATION 1182.03 FT NSL & 299.74 FT EWL* IN SEC 15, T17N, R8W -- WEBSTER PARISH	
		J.O. No. 17500.26	DATE 06/27/88
STATE <div style="text-align: center; font-weight: bold;">LOUISIANA</div>	WELL NAME & NUMBER <div style="text-align: center; font-weight: bold;">GEOTECH. BORING TB-4</div>	TFSC FIELD REPRESENTATIVE <div style="text-align: center; font-weight: bold;">R.T. DECONTO</div>	

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
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.

DESCRIPTION OF WELL HEAD

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)

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

REMARKS
NONE

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 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

LOCATION 2901.78 FT EWL & 661.31 FT NSL* IN SEC 9, T17N, R8W -- WEBSTER PARISH			
CLIENT DOE / SRPO	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">J.O. No. 17500.26</td> <td style="width: 50%; border: none;">DATE 08/29/88</td> </tr> </table>	J.O. No. 17500.26	DATE 08/29/88
J.O. No. 17500.26	DATE 08/29/88		
STATE LOUISIANA	WELL NAME & NUMBER TILTMETER T-5	TFSC FIELD REPRESENTATIVE C.A. FOSTER/J.Q. KANTOLA	

DESCRIPTION OF SITE ACCESS

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.

DESCRIPTION OF SITE PAD AREA

SITE AREA IS ~0.3 MI WNW OF ACCESS GATE IN SW RNER OF GRASSY FIELD/PASTURE (~100 FT FROM N. SIDE OF PR 497).

DESCRIPTION OF WELL HEAD

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.

DESCRIPTION OF PITS

NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)

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

REMARKS

EASY ACCESS, OPEN WORK AREA.

* LANDOWNER IS I.W. ROWLAND (318) 377-5289

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SITE RECONNAISSANCE FORM

LOCATION 2278.85 FT NSL & 4065.2 FT EWL* IN SEC 20, T17N, R8W -- BIENVILLE PARISH			
CLIENT DOE / SRPO	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> J.O. No. 17500.26 </td> <td style="width: 50%; border: none;"> DATE 08/07/88 </td> </tr> </table>	J.O. No. 17500.26	DATE 08/07/88
J.O. No. 17500.26	DATE 08/07/88		
STATE LOUISIANA	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> WELL NAME & NUMBER GEOTECH. TB-2 & TB-2C3 </td> <td style="width: 50%; border: none;"> TFSC FIELD REPRESENTATIVE R. KRANES </td> </tr> </table>	WELL NAME & NUMBER GEOTECH. TB-2 & TB-2C3	TFSC FIELD REPRESENTATIVE R. KRANES
WELL NAME & NUMBER GEOTECH. TB-2 & TB-2C3	TFSC FIELD REPRESENTATIVE R. KRANES		

DESCRIPTION OF SITE ACCESS
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.

DESCRIPTION OF SITE PAD AREA
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. BE-
LOW SURFACE AND IS DEEPER THAN 4-FT PROBE.

DESCRIPTION OF WELL HEAD
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.

DESCRIPTION OF PITS
NA

DEPTH AND BOREHOLE - FLUID SURVEY: NA

GROUND ELEVATION NA FT (DATUM)

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

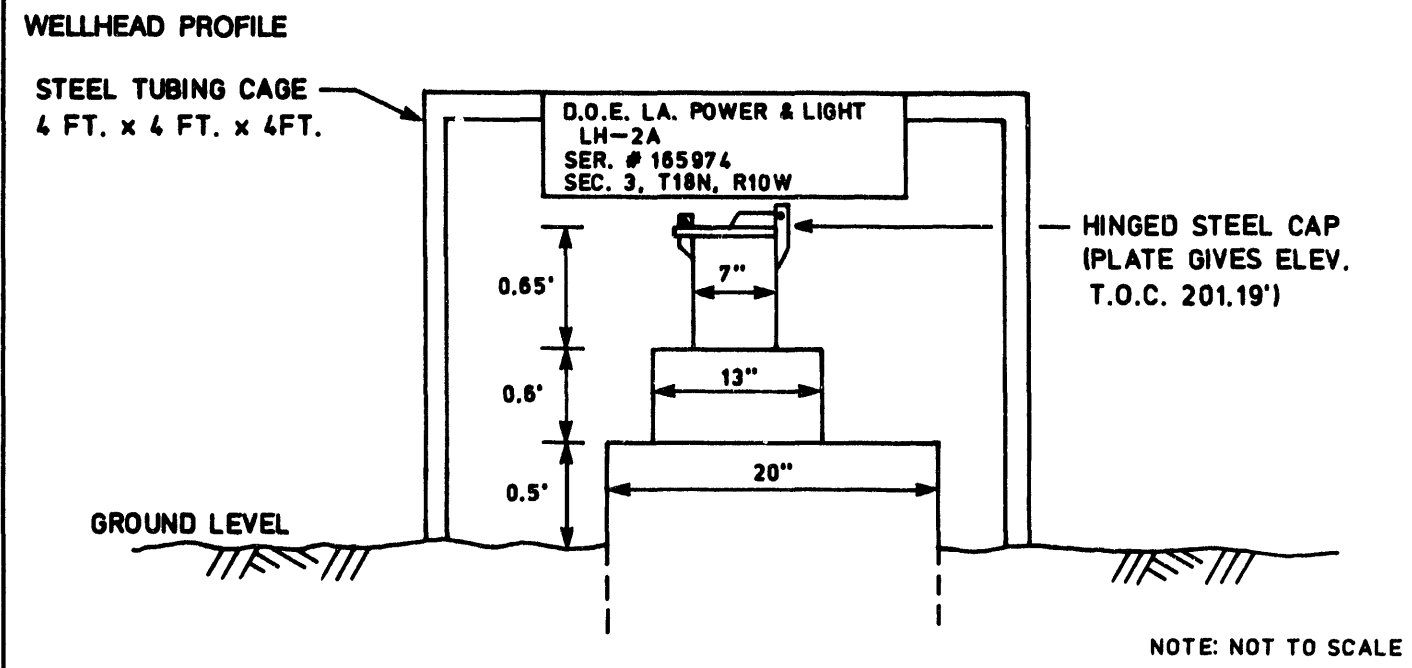
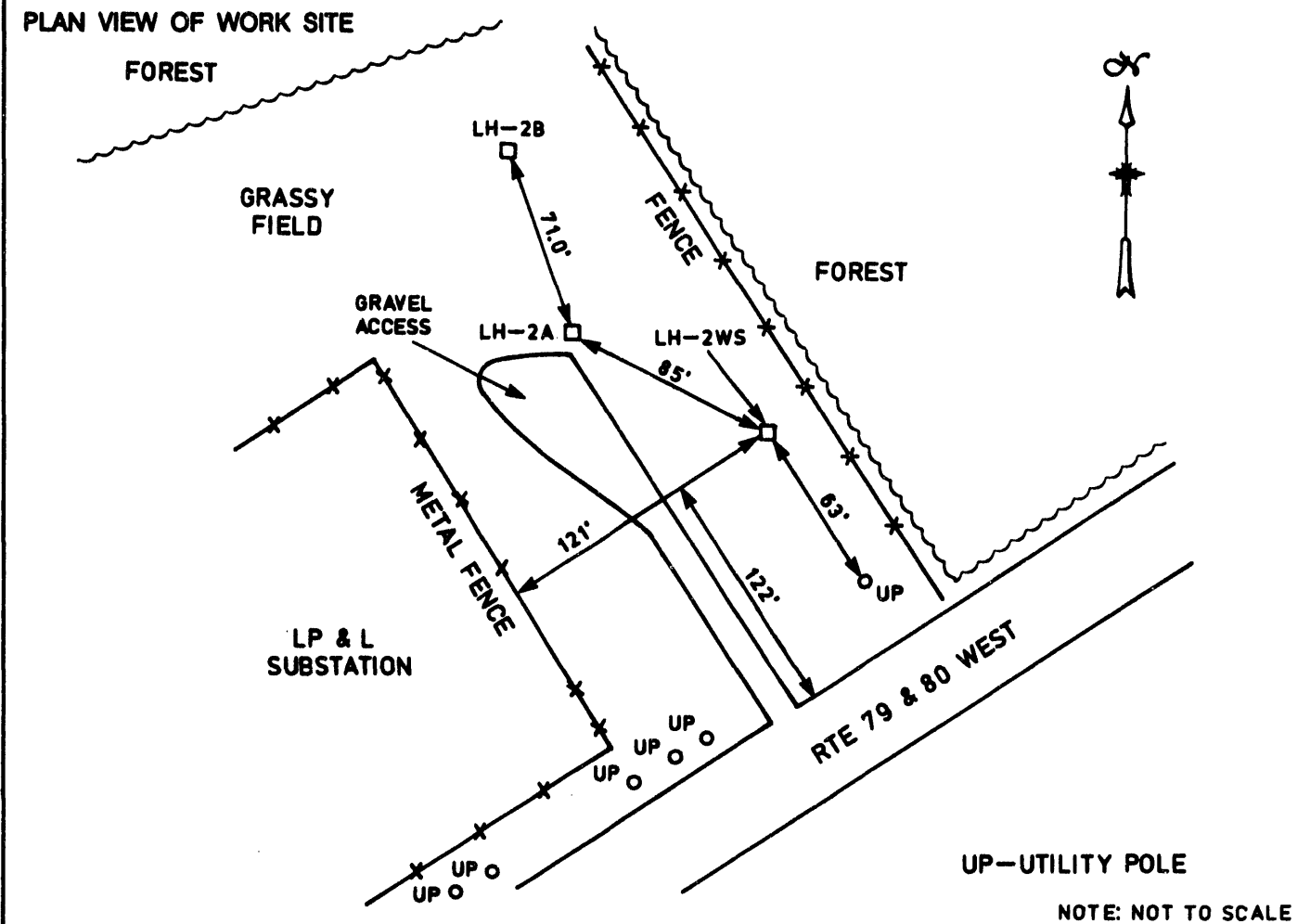
REMARKS
NONE

*NOTE: SNL = South of North Line EWL = East of West Line PR = Parish Road
 NSL = North of South Line WEL = West of East Line

SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

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

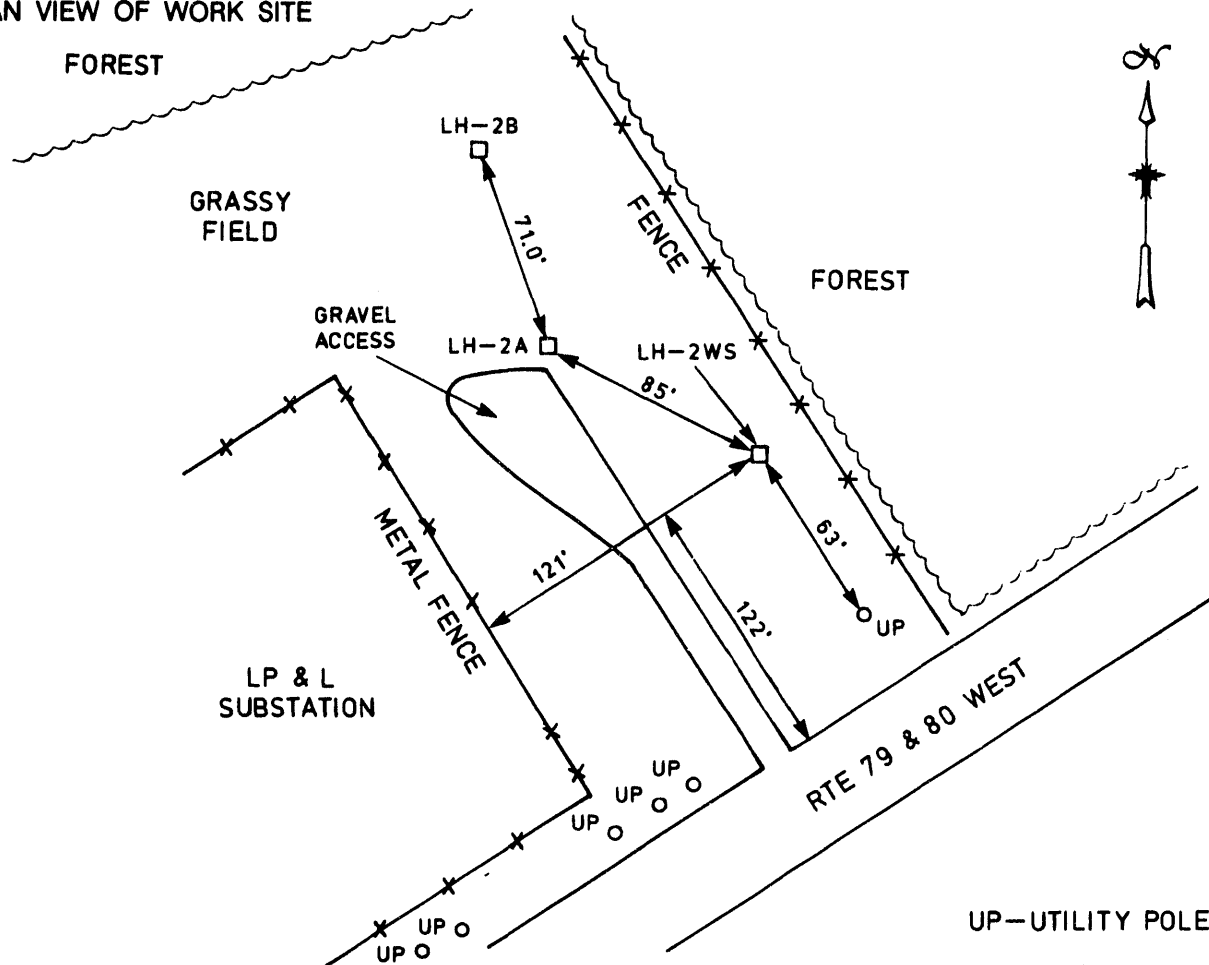


SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

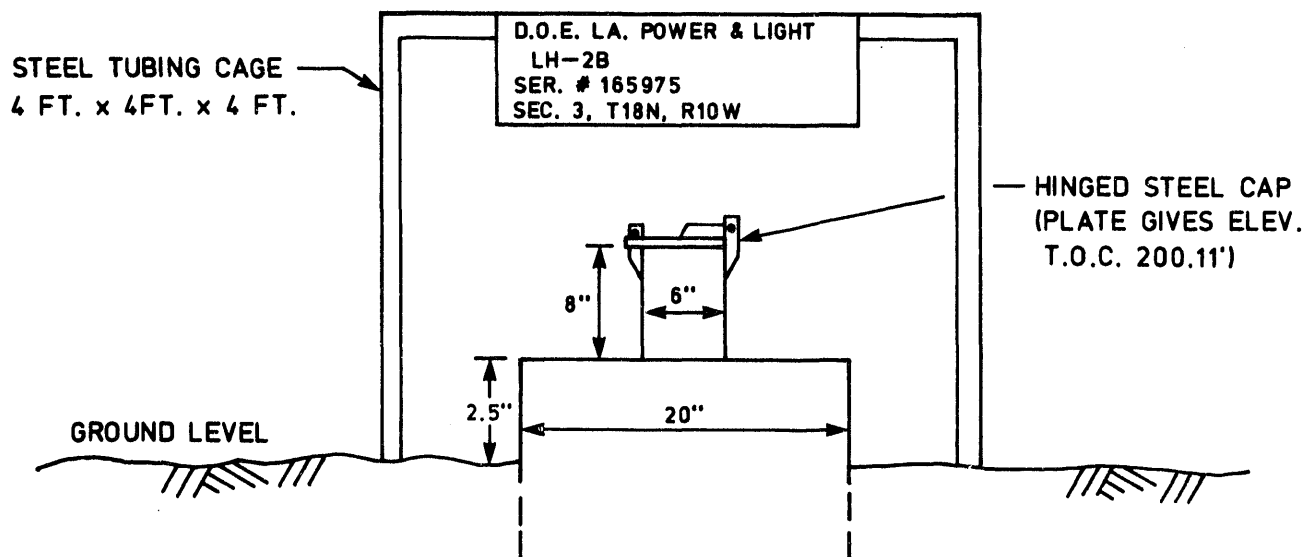
CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	06/24/88
STATE	LOUISIANA	SITE NAME & NUMBER	L.P&L LH-2B	TFSC FIELD REPRESENTATIVE	J.M. GONZALES

PLAN VIEW OF WORK SITE



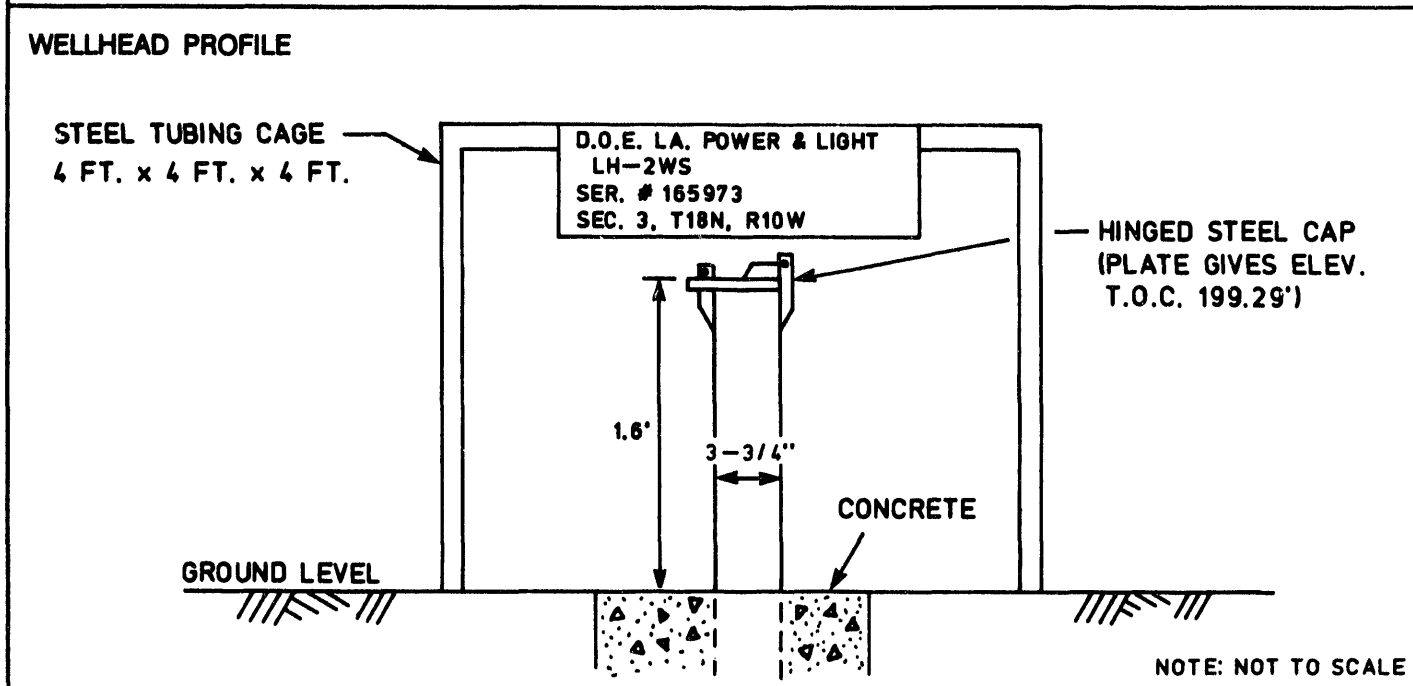
NOTE: NOT TO SCALE

WELLHEAD PROFILE



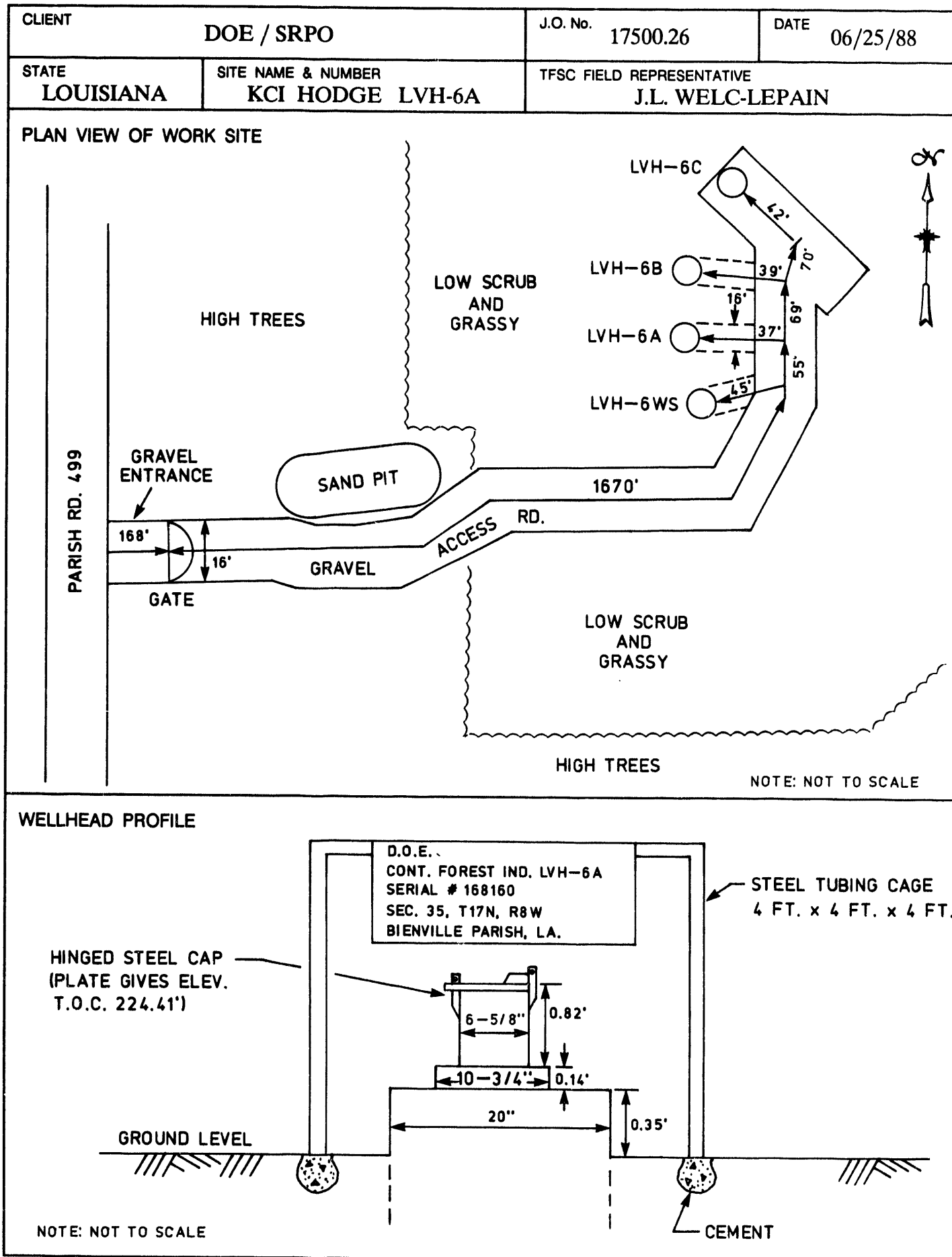
NOTE: NOT TO SCALE

ATTACHMENT 3

[illegible]

SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

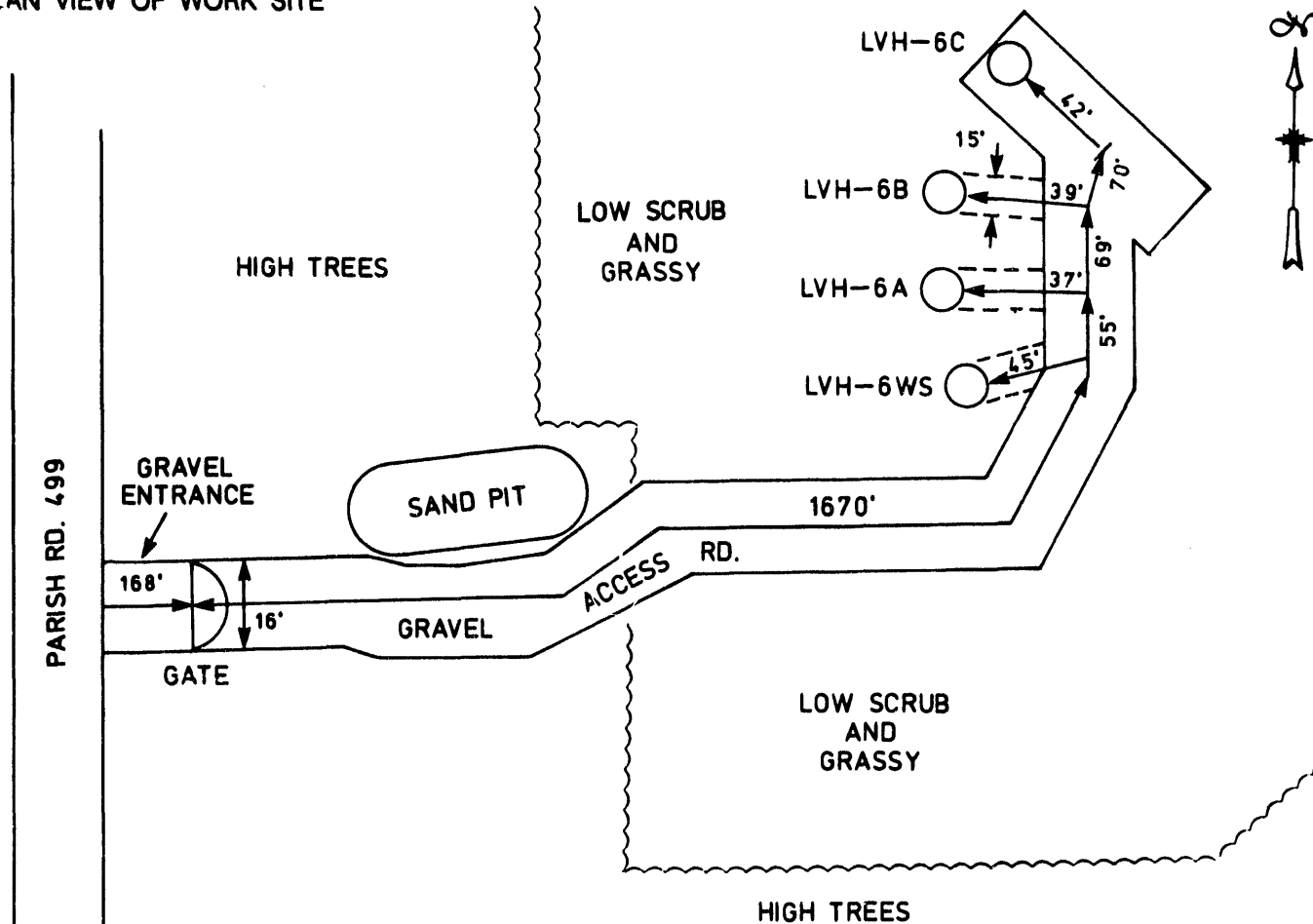


SCHEMATIC OF PREABANDONMENT SITE STATUS

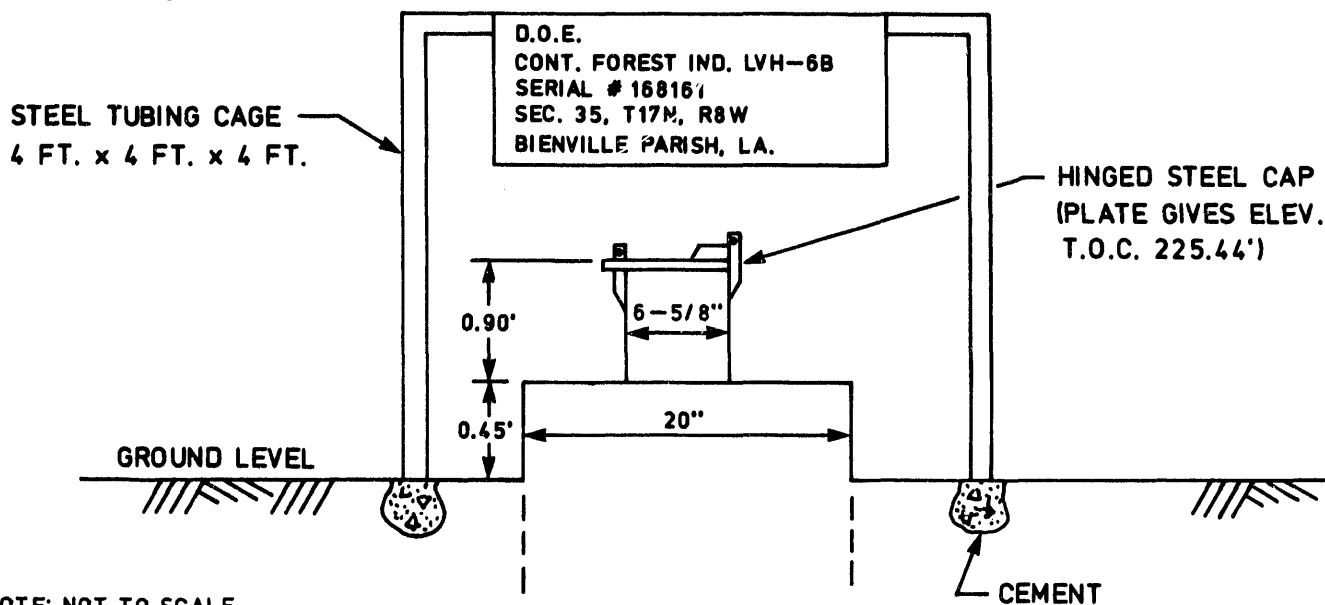
ATTACHMENT 3

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	06/25/88
STATE	LOUISIANA	SITE NAME & NUMBER	KCI HODGE LVH-6B	TFSC FIELD REPRESENTATIVE	J.Q. KANTOLA

PLAN VIEW OF WORK SITE

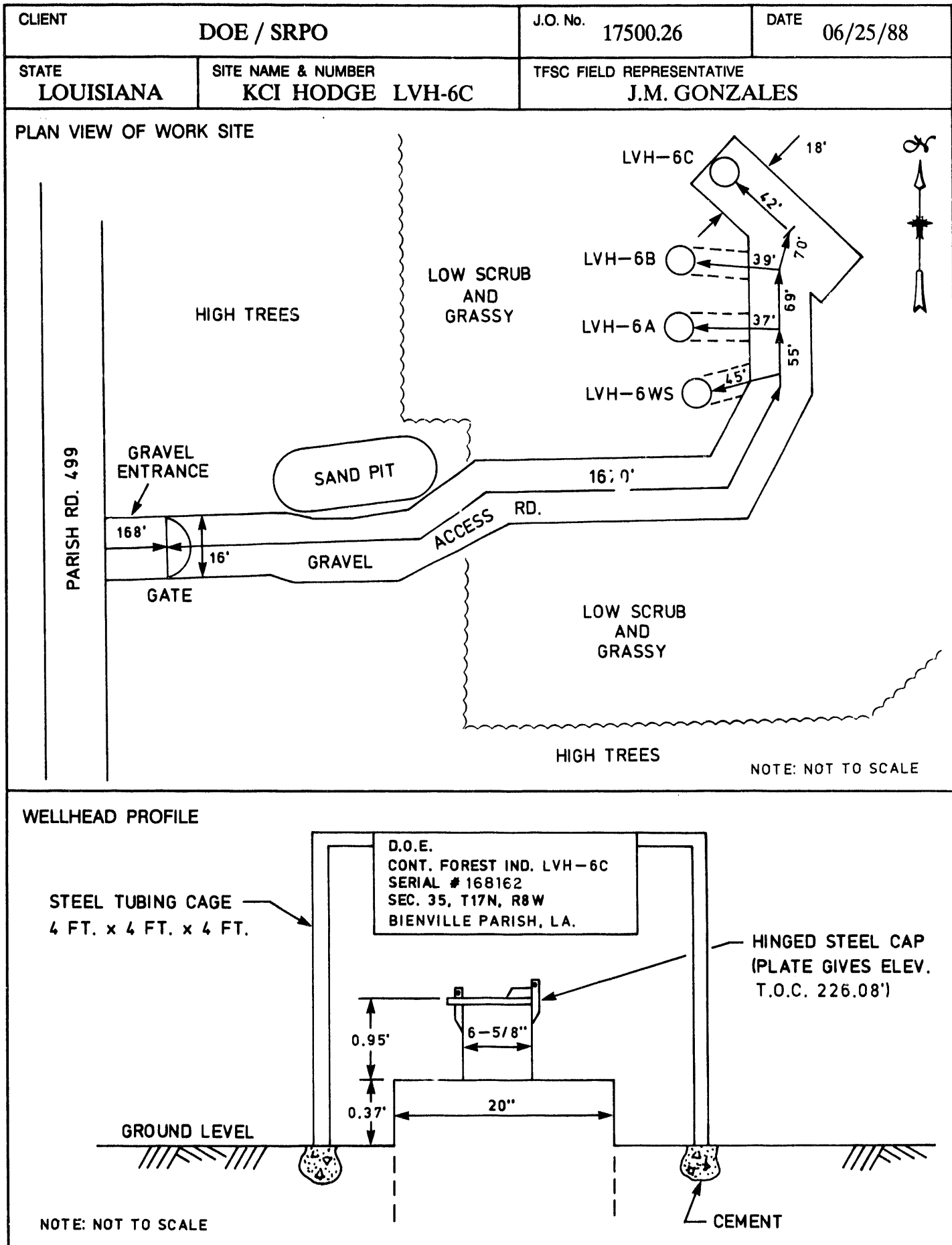


WELLHEAD PROFILE



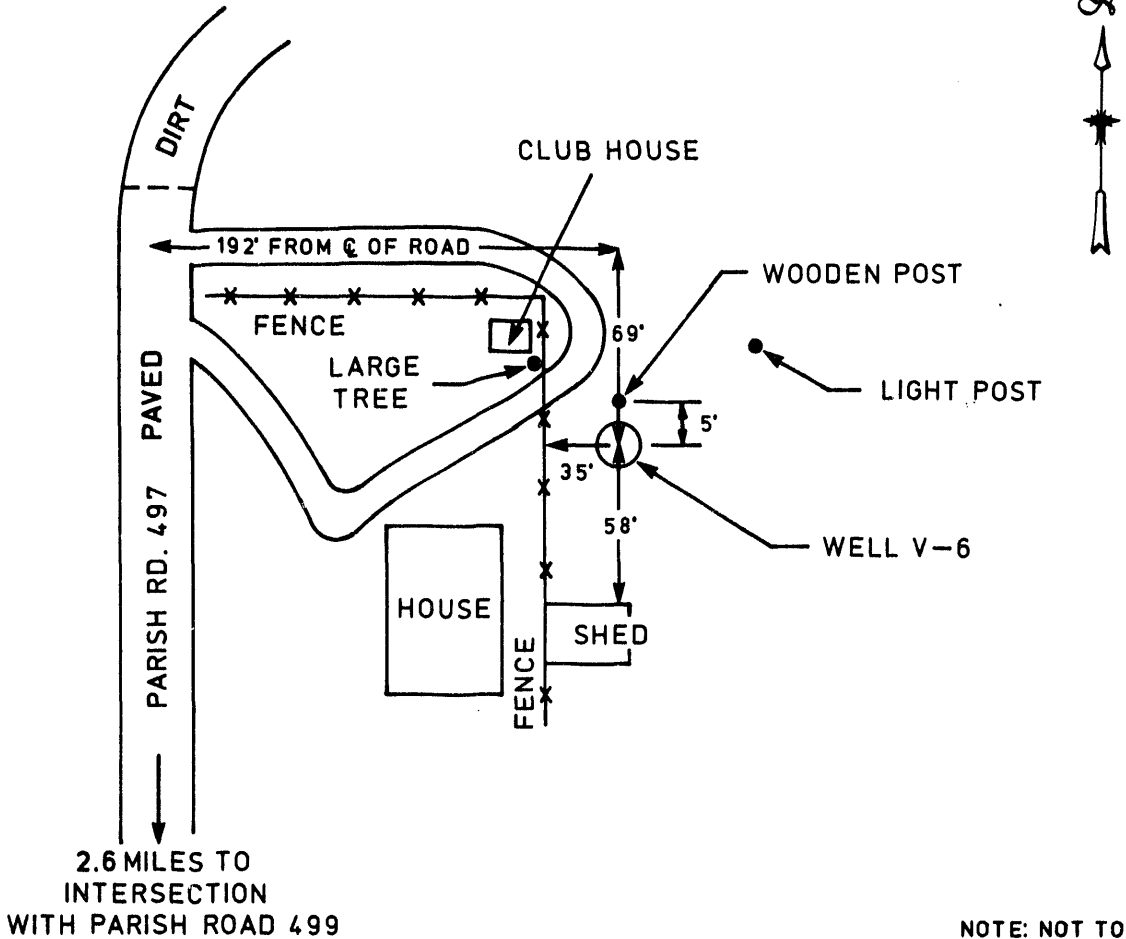
SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



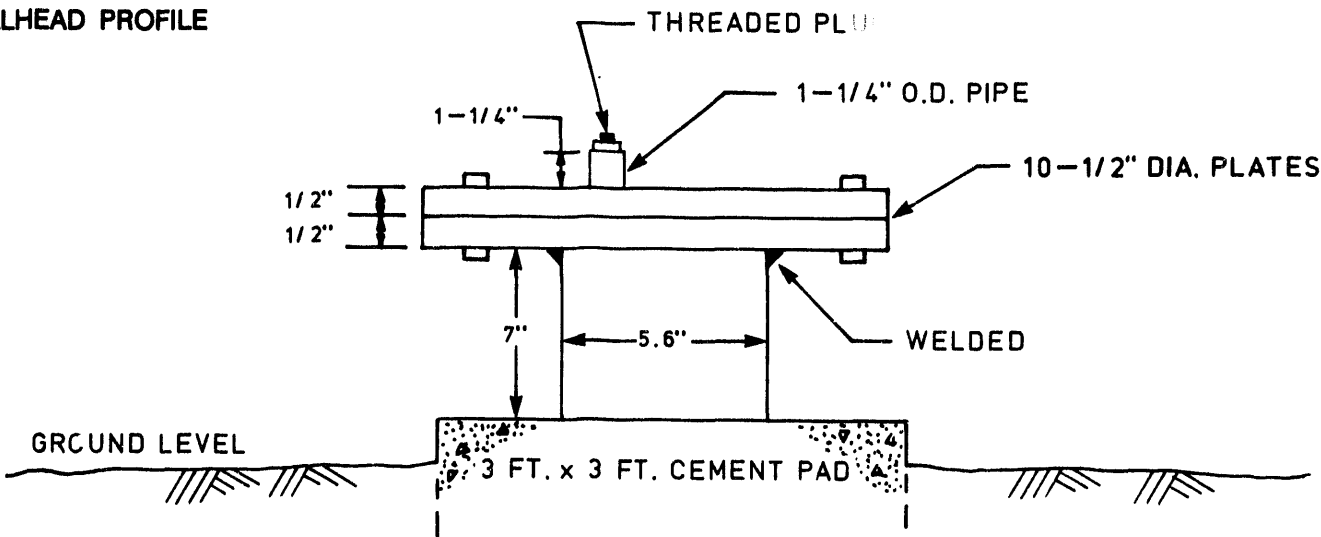
CLIENT	DOE / SRPO	J.O. No. 17500.26	DATE 06/27/88
STATE LOUISIANA	SITE NAME & NUMBER G.P. THEUS V-6	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN	

PLAN VIEW OF WORK SITE



NOTE: NOT TO SCALE

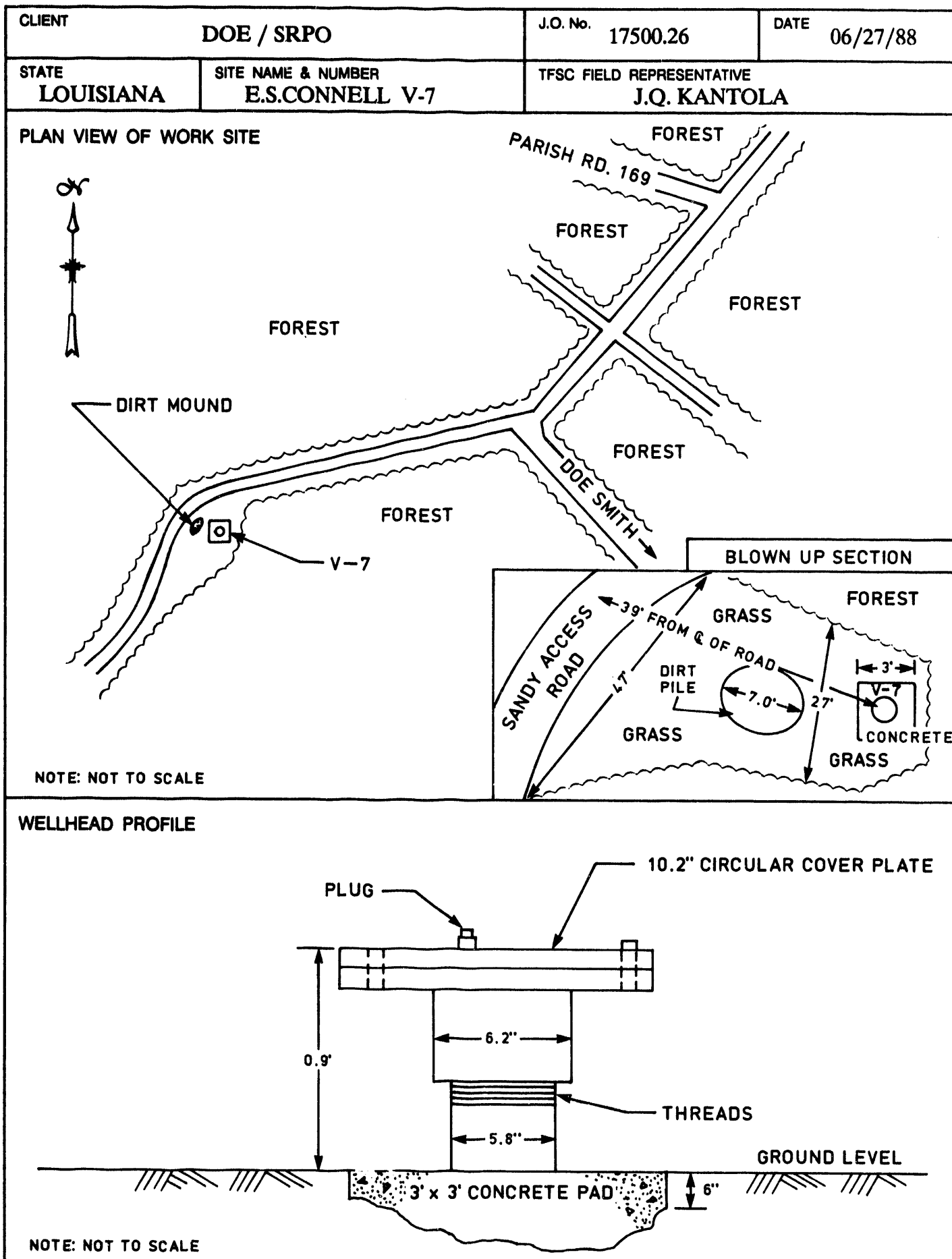
WELLHEAD PROFILE



NOTE: NOT TO SCALE

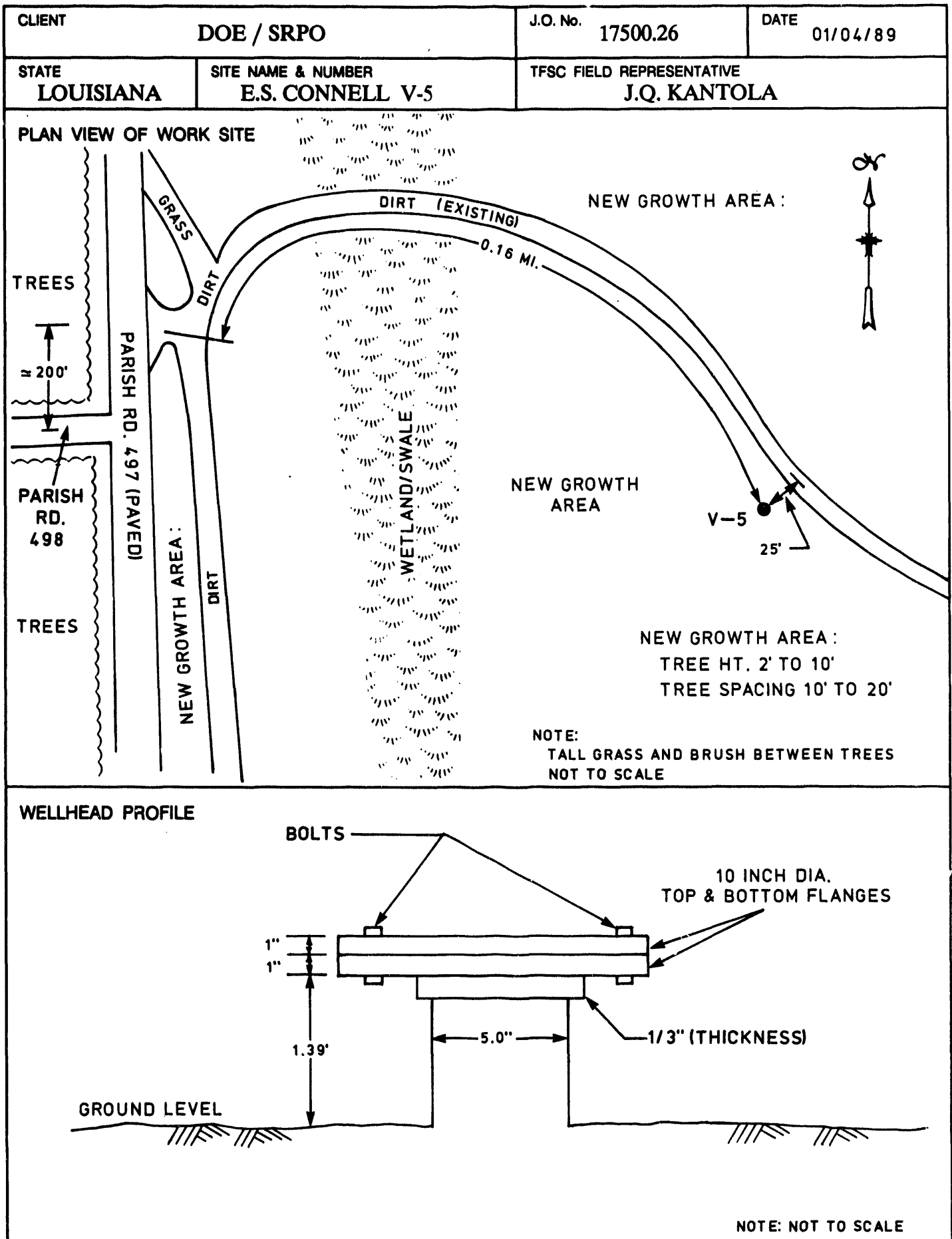
SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

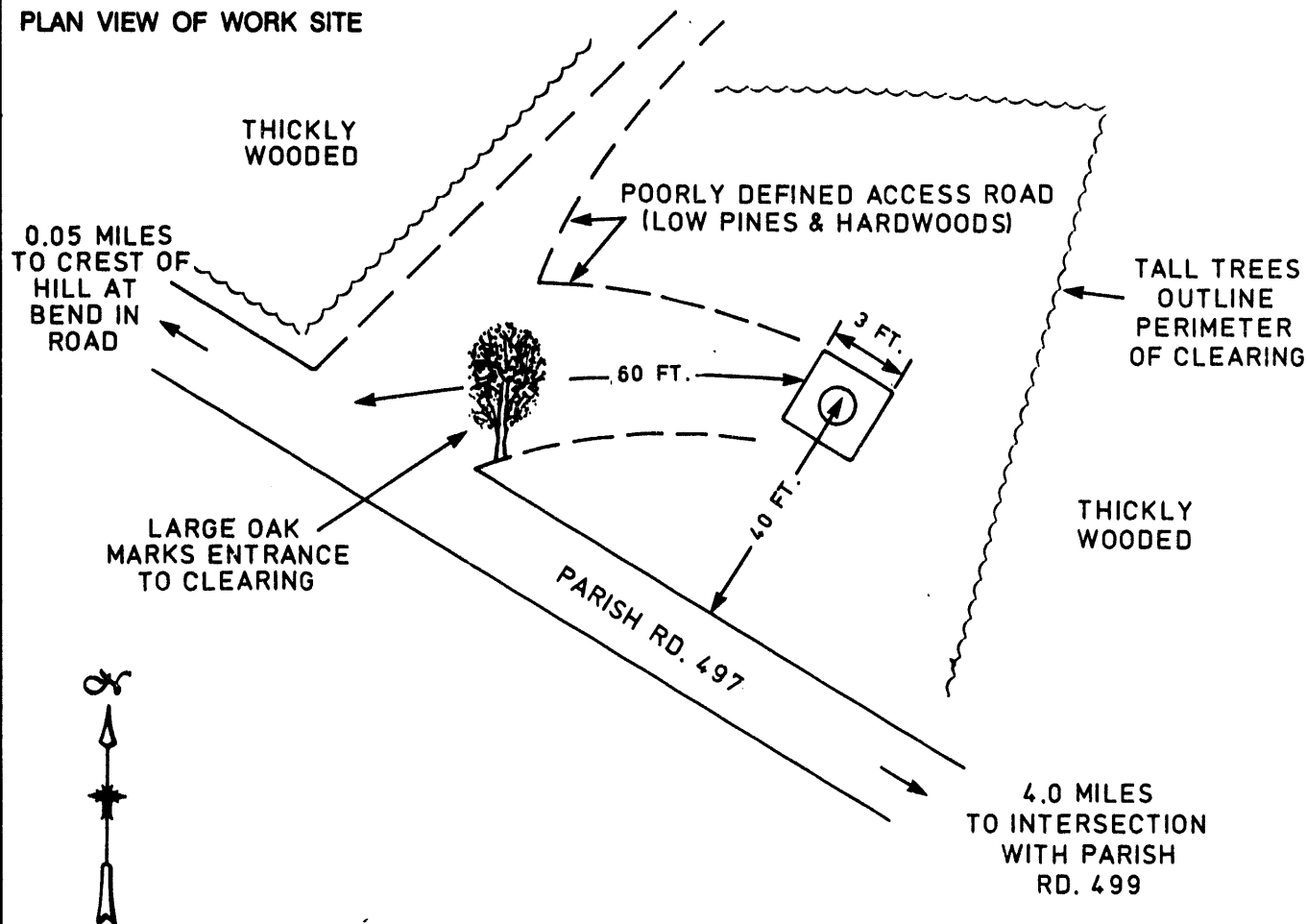


SCHEMATIC OF PREABANDONMENT SITE STATUS

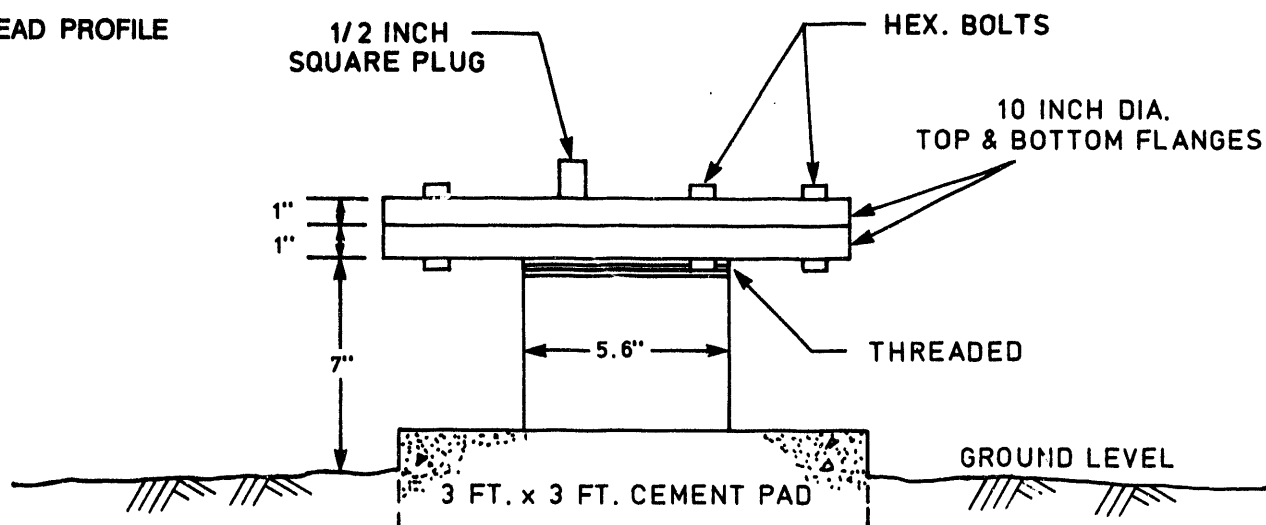
ATTACHMENT 3

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

PLAN VIEW OF WORK SITE



WELLHEAD PROFILE

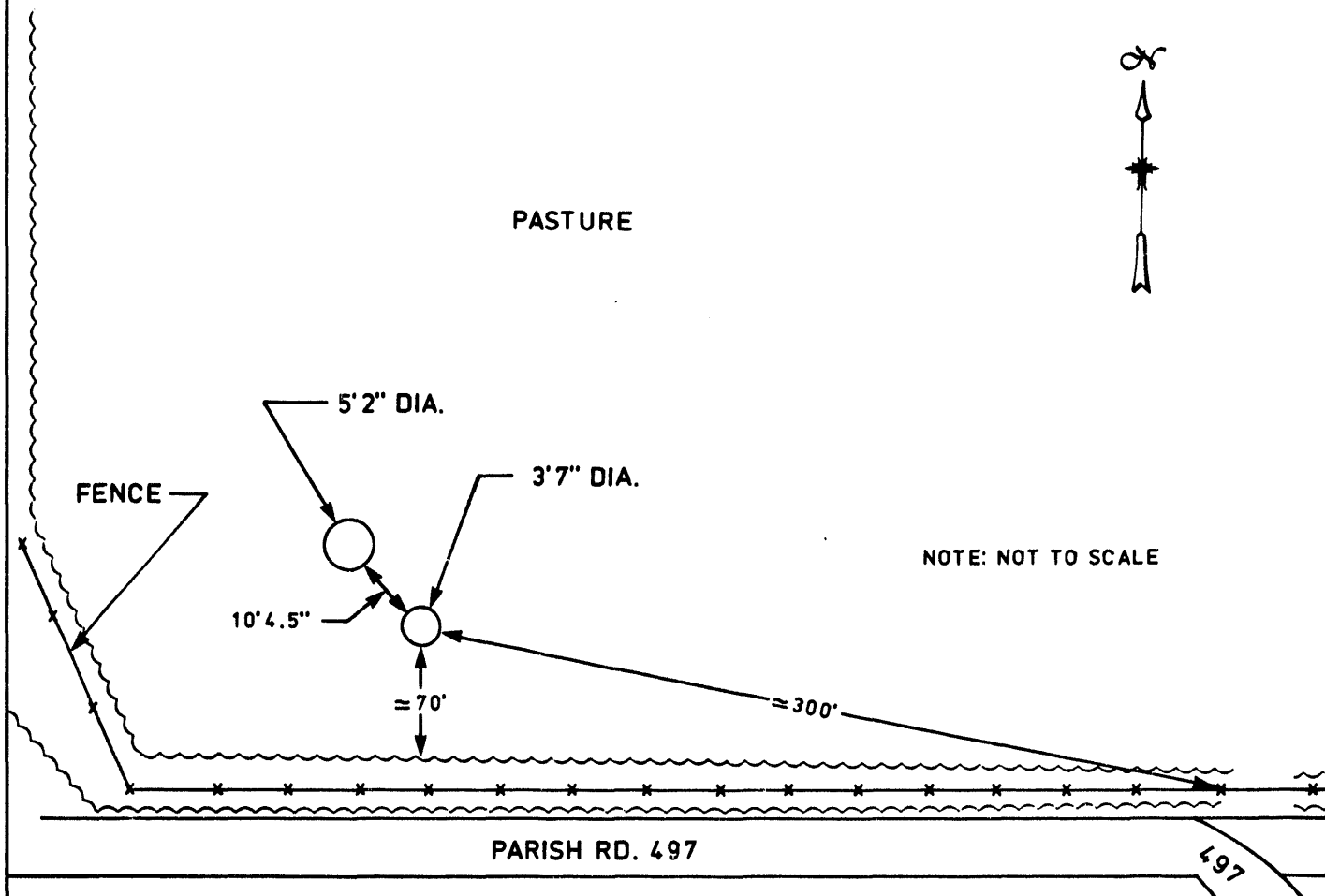


SCHEMATIC OF PREABANDONMENT SITE STATUS

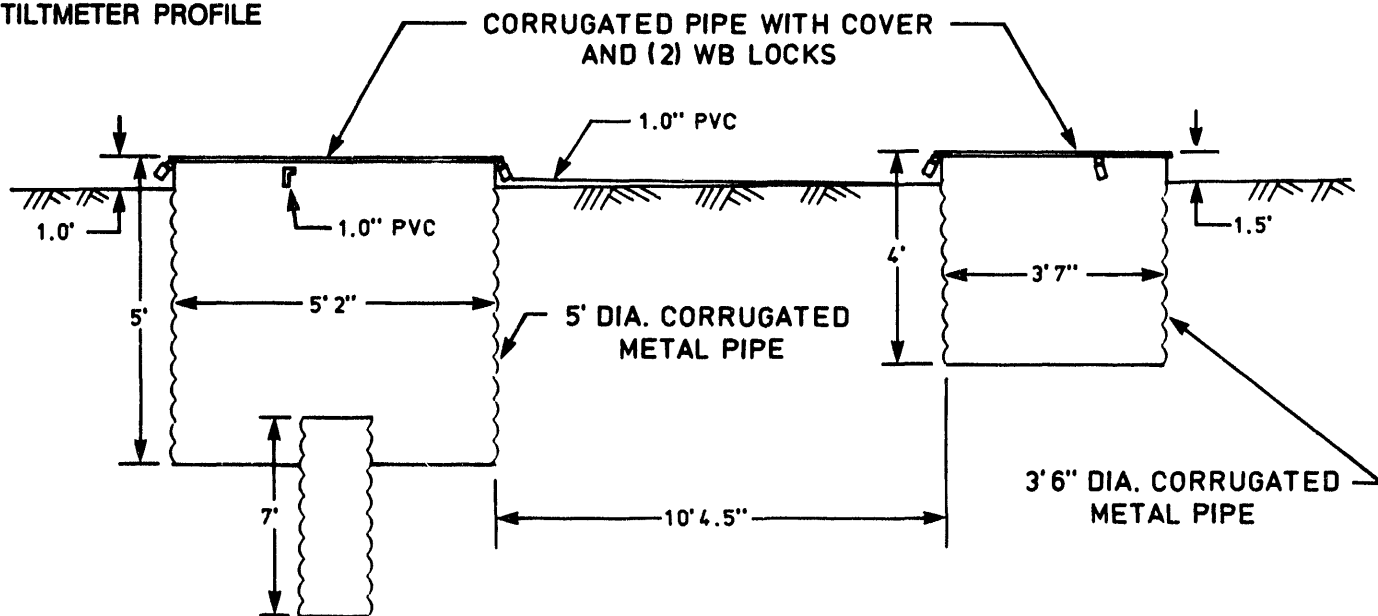
ATTACHMENT 3

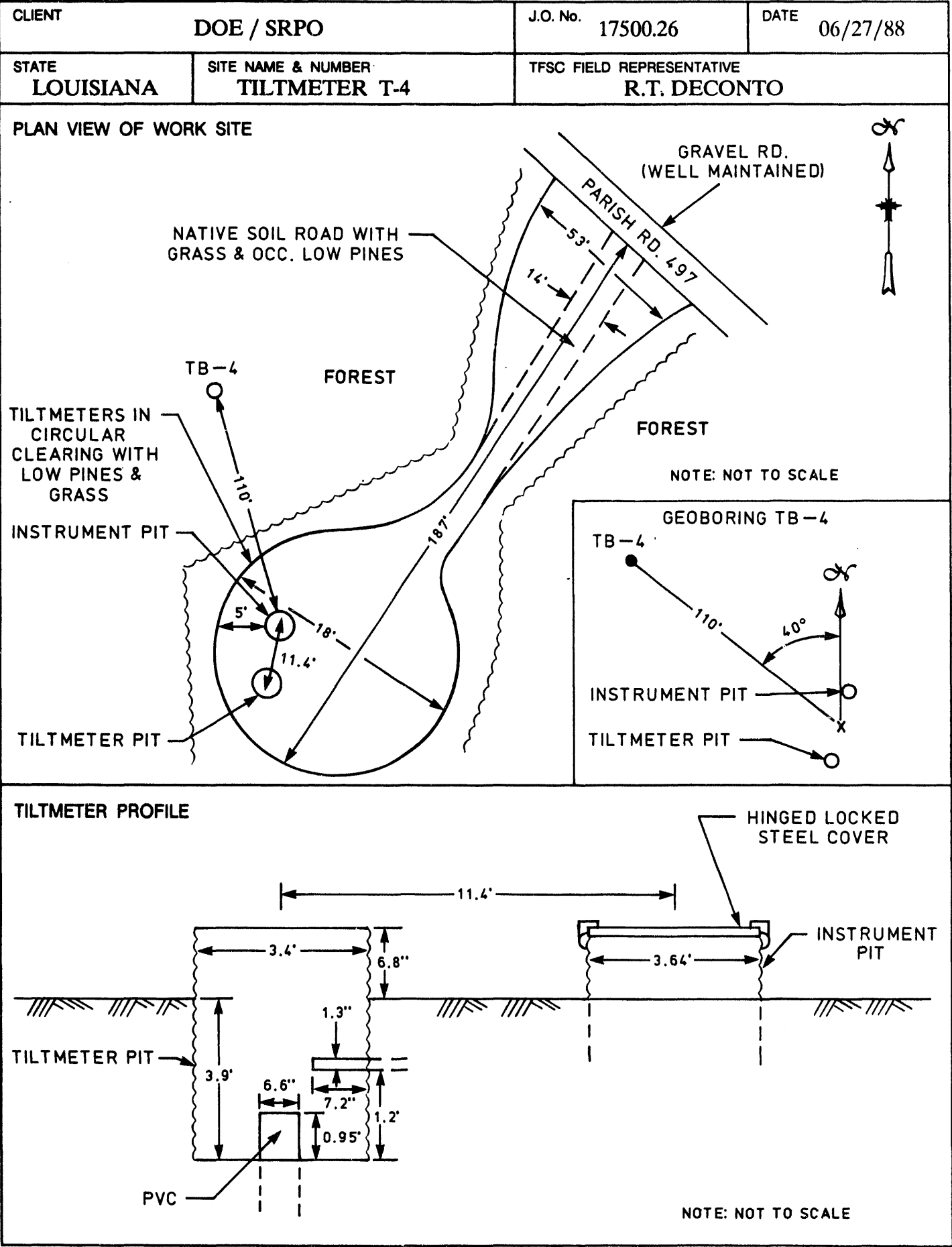
CLIENT	DOE / SRPO	J.O. No. 17500.26	DATE 08/29/88
STATE LOUISIANA	SITE NAME & NUMBER TILTMETER T-5	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA/C.A. FOSTER	

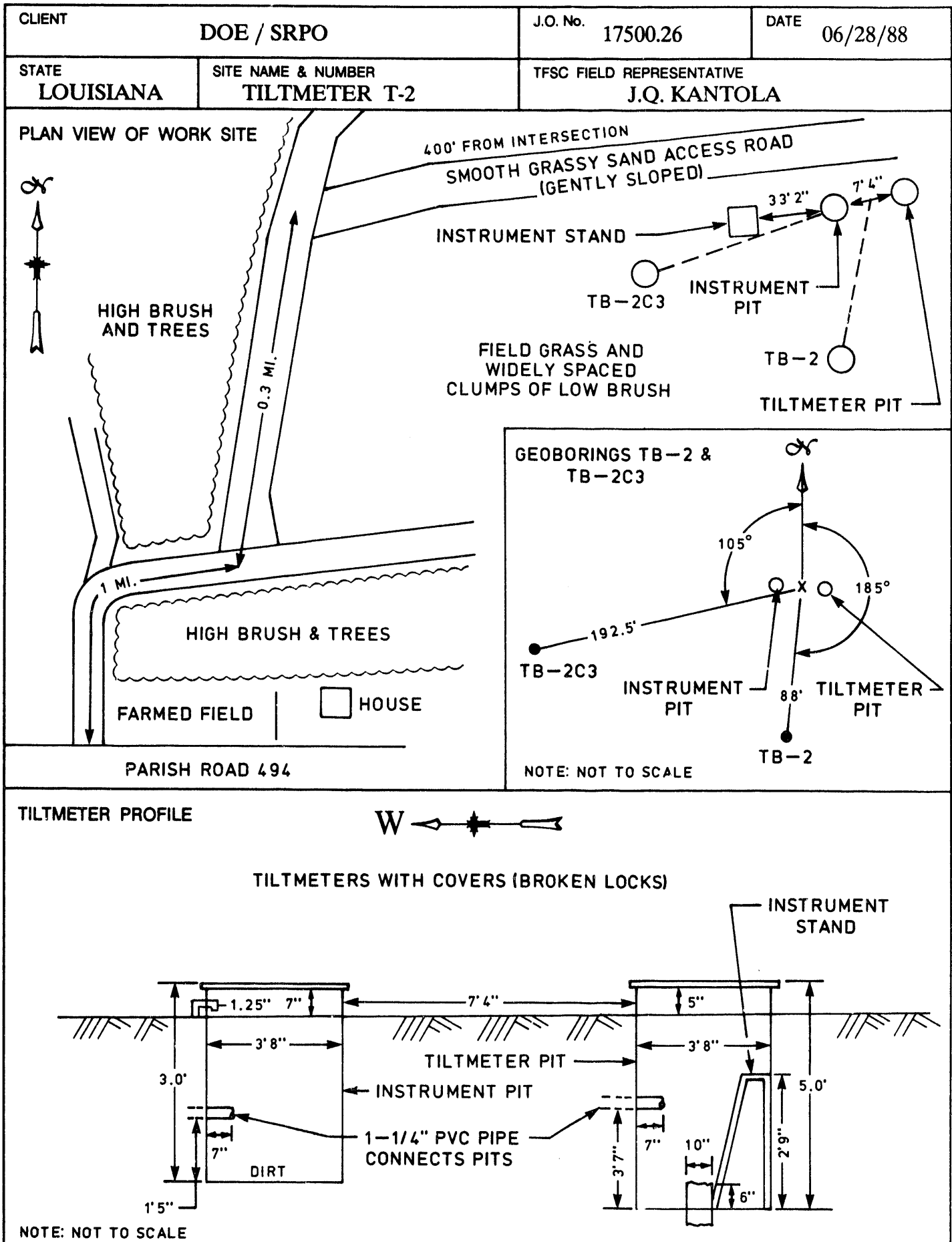
PLAN VIEW OF WORK SITE



TILTMETER PROFILE

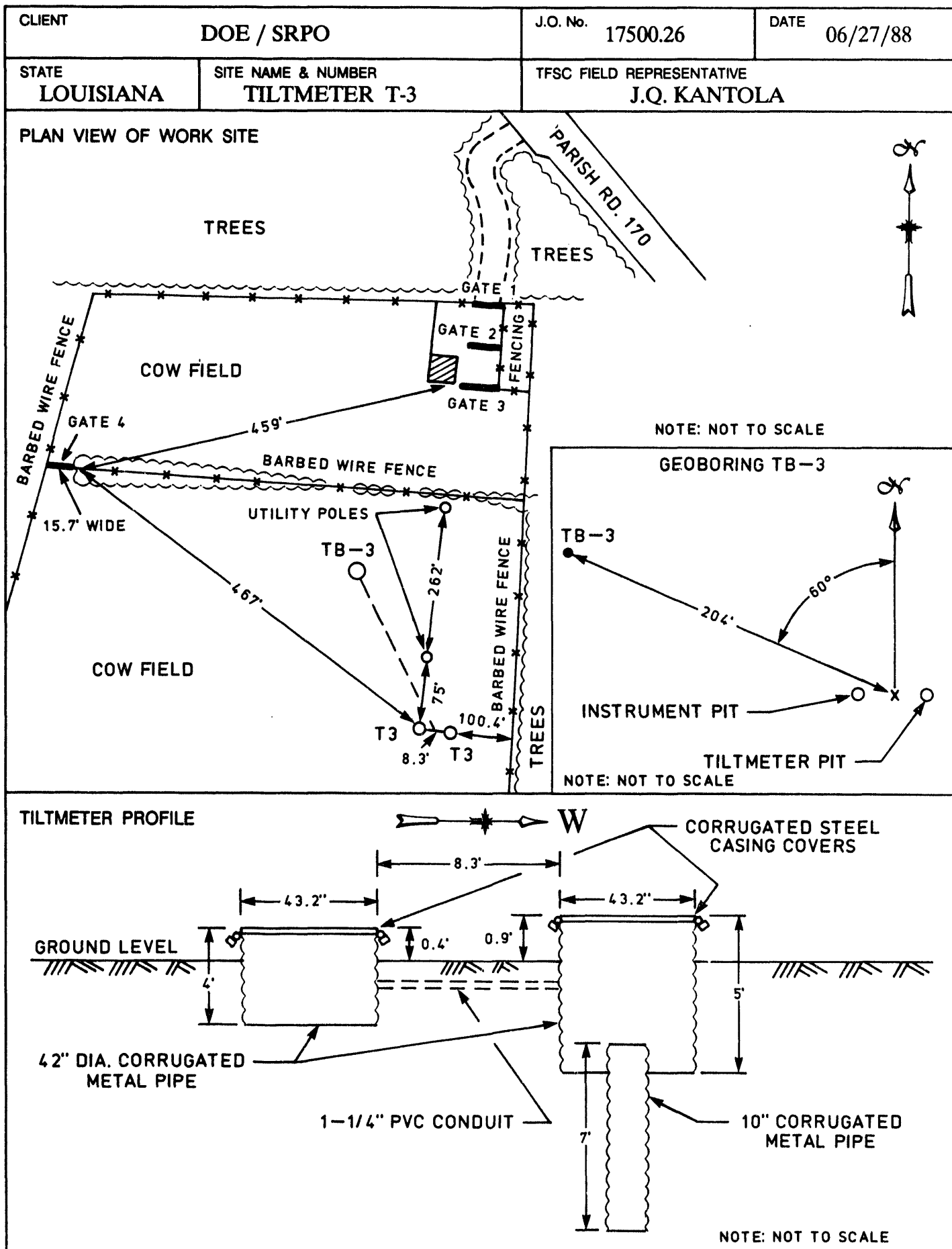






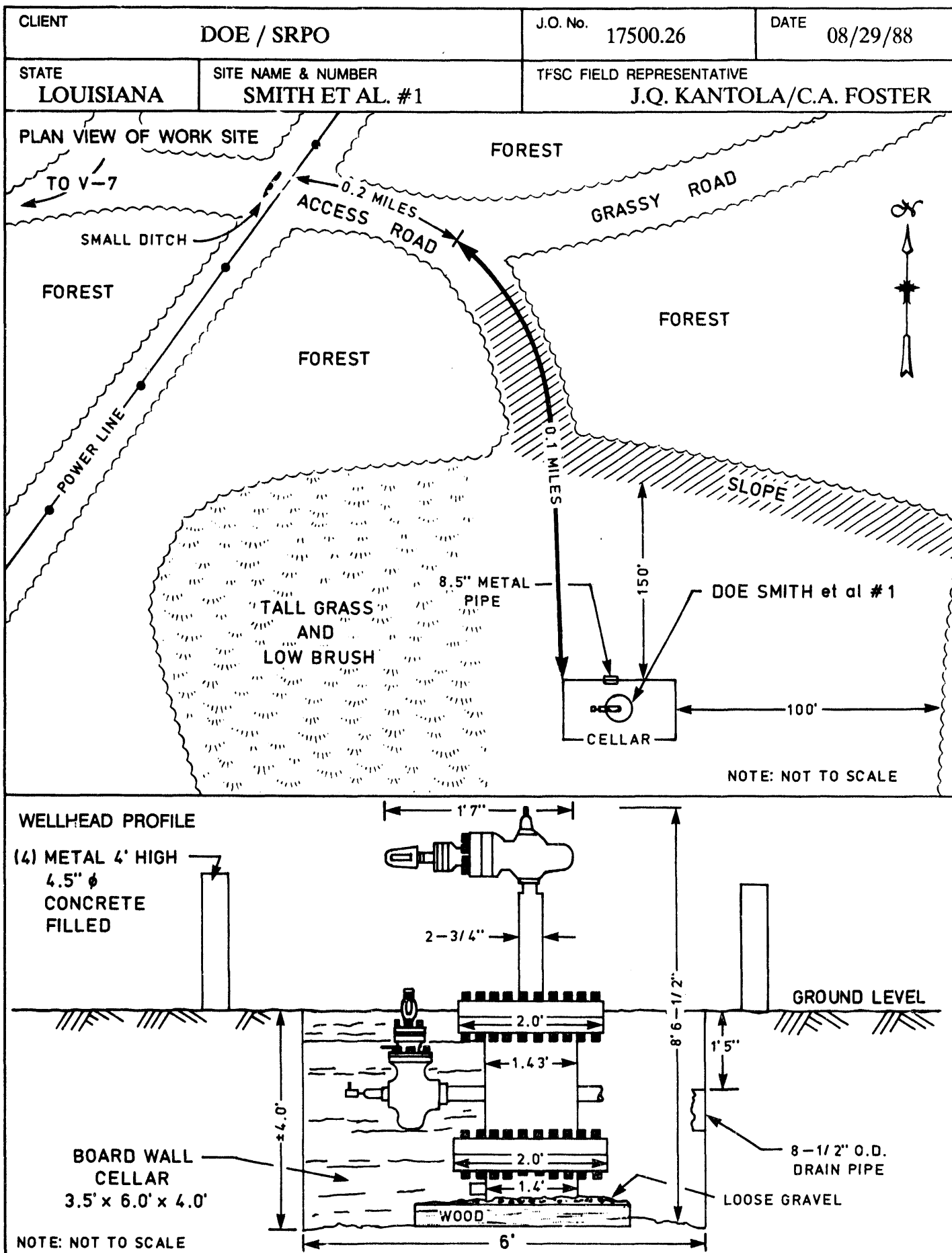
SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



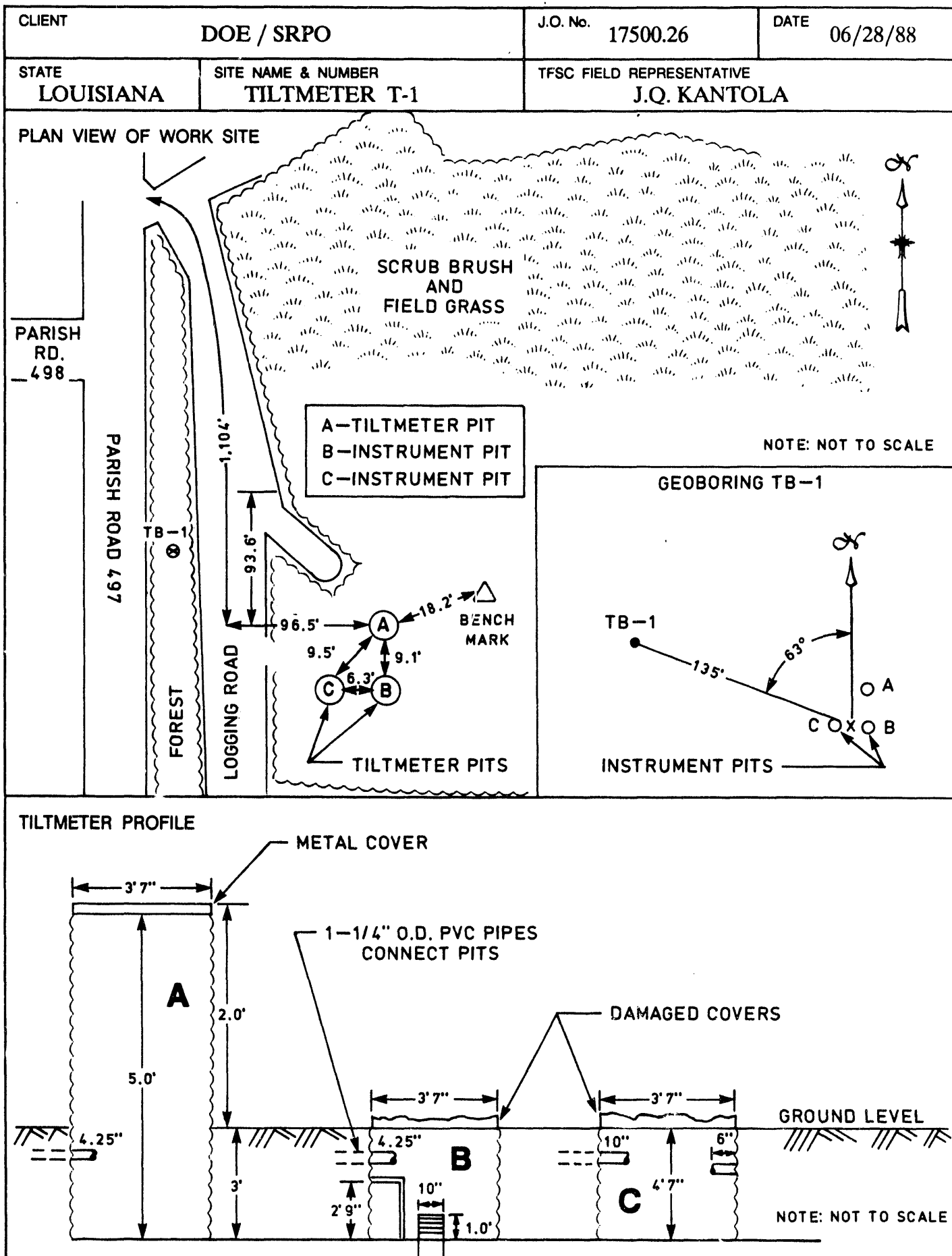
SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3



SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

CLIENT	DOE / SRPO	J.O. No.	17500.26	DATE	08/18/88
STATE	LOUISIANA	SITE NAME & NUMBER	CONTINENTAL F.I.#1	TFSC FIELD REPRESENTATIVE	J.Q. KANTOLA

PLAN VIEW OF WORK SITE

ARKLA GAS LINE MARKER

USGS BENCH MARK

142.0'

106.0'

125'

165'

FOREST

FOREST

FOREST

SCRUB GRASS AND PINE

ACCESS ROAD

390'

273'

UTILITY POLE (U.P.)

10'-19' PINE TREES

UTILITY POLE

HIGHWAY 4

WELL D.O.E. CONTINENTAL F.I.#1

64.0'

65.0'

126.0'

SCRUB GRASS AND PINE

SAND AND GRASS/POSSIBLE MUD PIT (OLD)

NOTE: NOT TO SCALE

WELLHEAD PROFILE

2.5'

0.56'

1.8'

1.2'

1.0'

0.83'

5.59'

3.2' WIDE

1.9'

GROUND LEVEL

BOARD WALL CELLAR

1.9' X 3.2' X 8.3'

8.3'

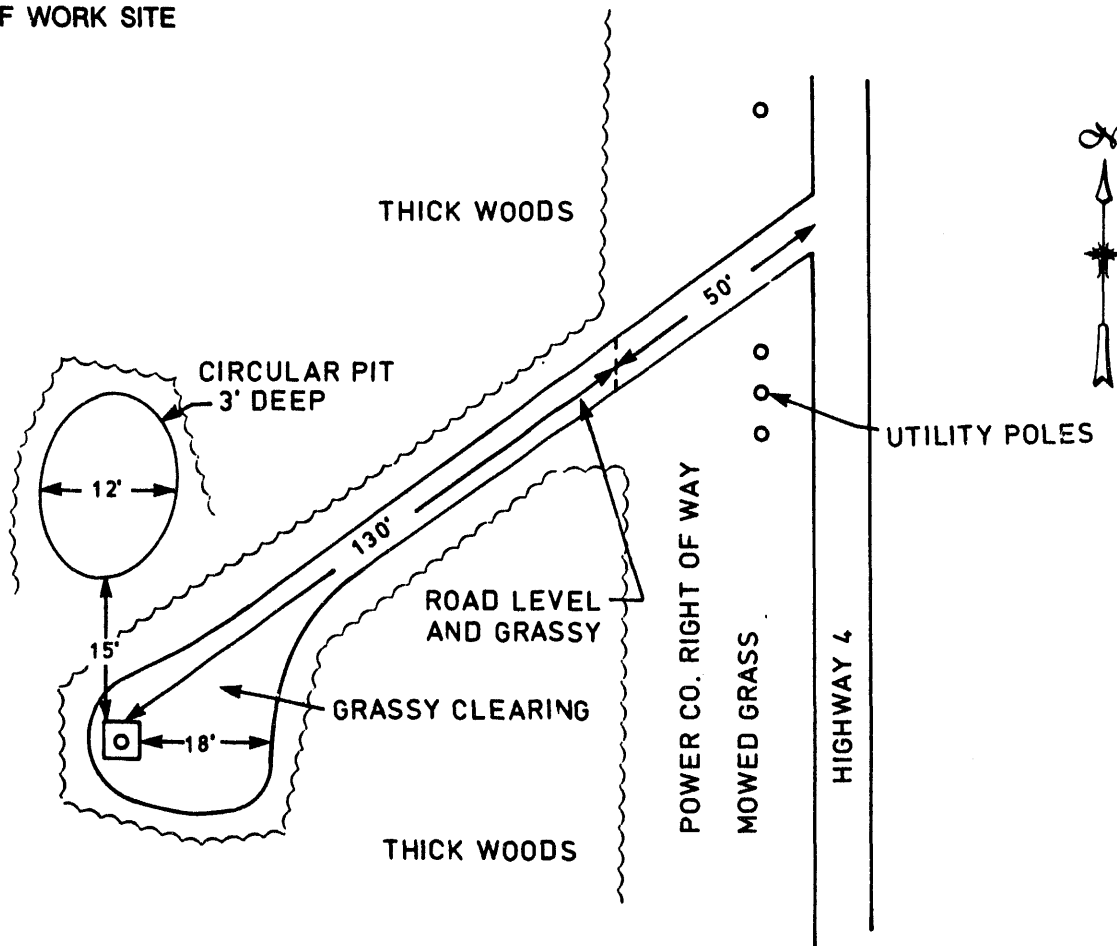
NOTE: NOT TO SCALE

SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

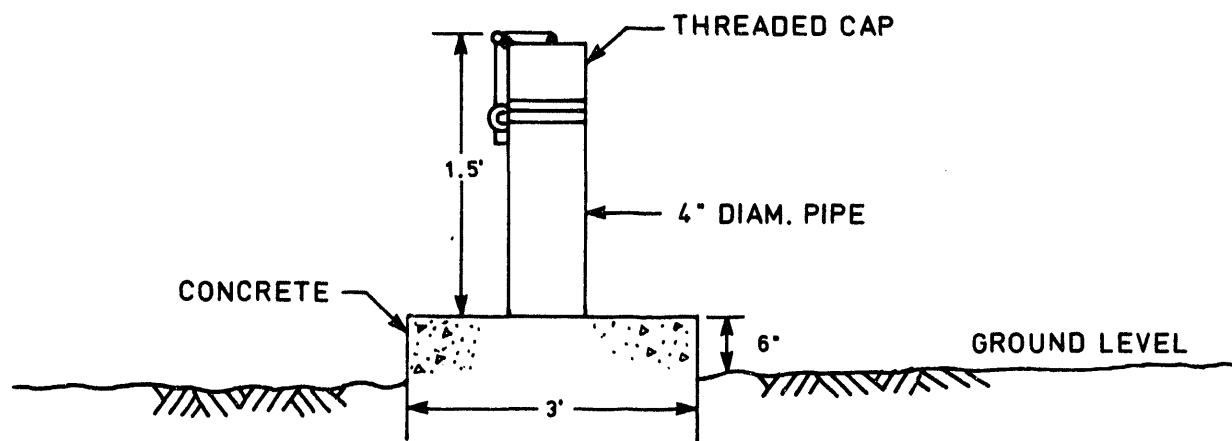
CLIENT	DOE / SRPO	J.O. No. 17500.26	DATE 08/13/88
STATE LOUISIANA	SITE NAME & NUMBER LSU-R1A	TFSC FIELD REPRESENTATIVE R.T. DECONTO	

PLAN VIEW OF WORK SITE



NOTE: NOT TO SCALE

WELLHEAD PROFILE



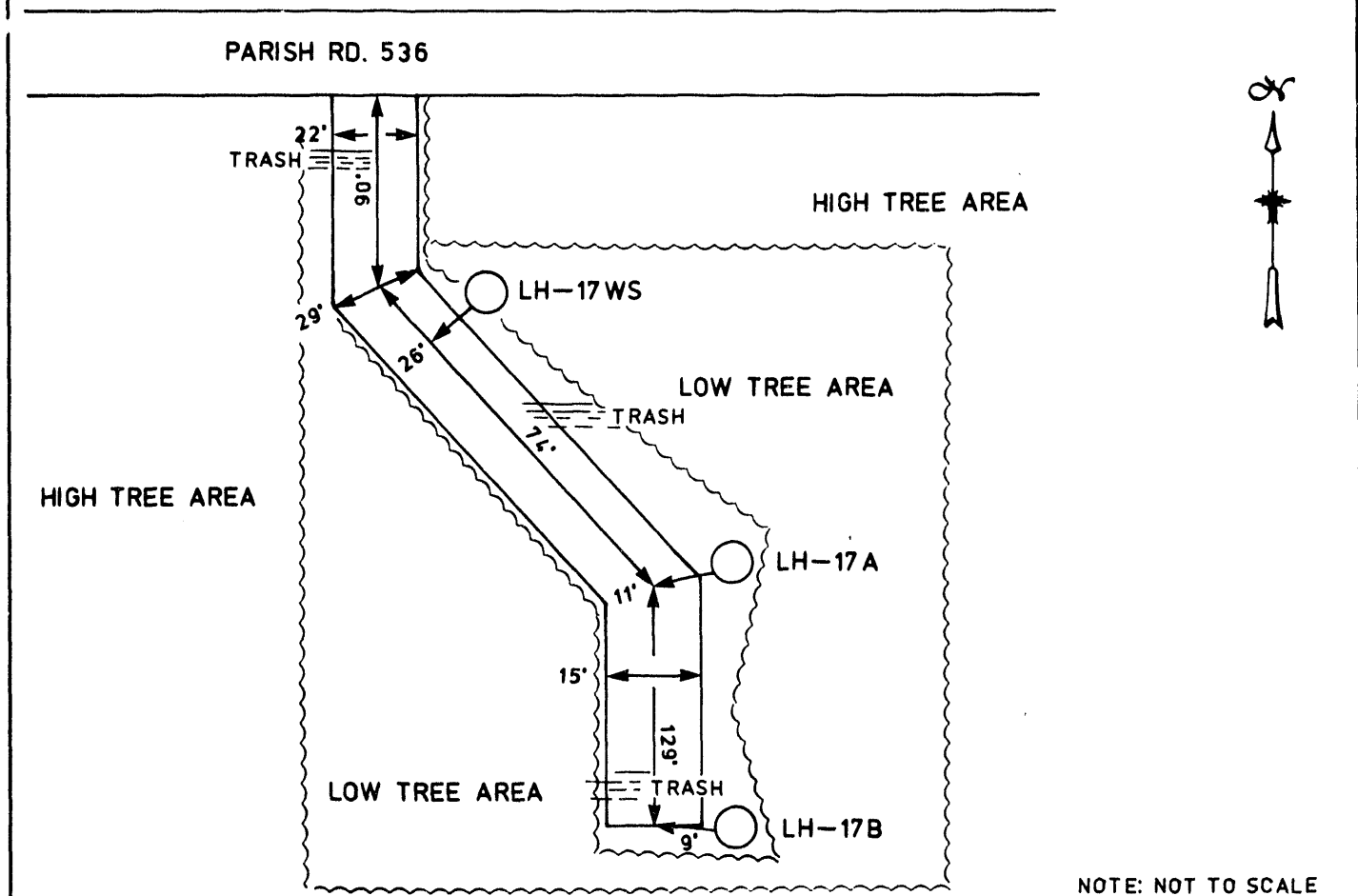
NOTE: NOT TO SCALE

SCHEMATIC OF PREABANDONMENT SITE STATUS

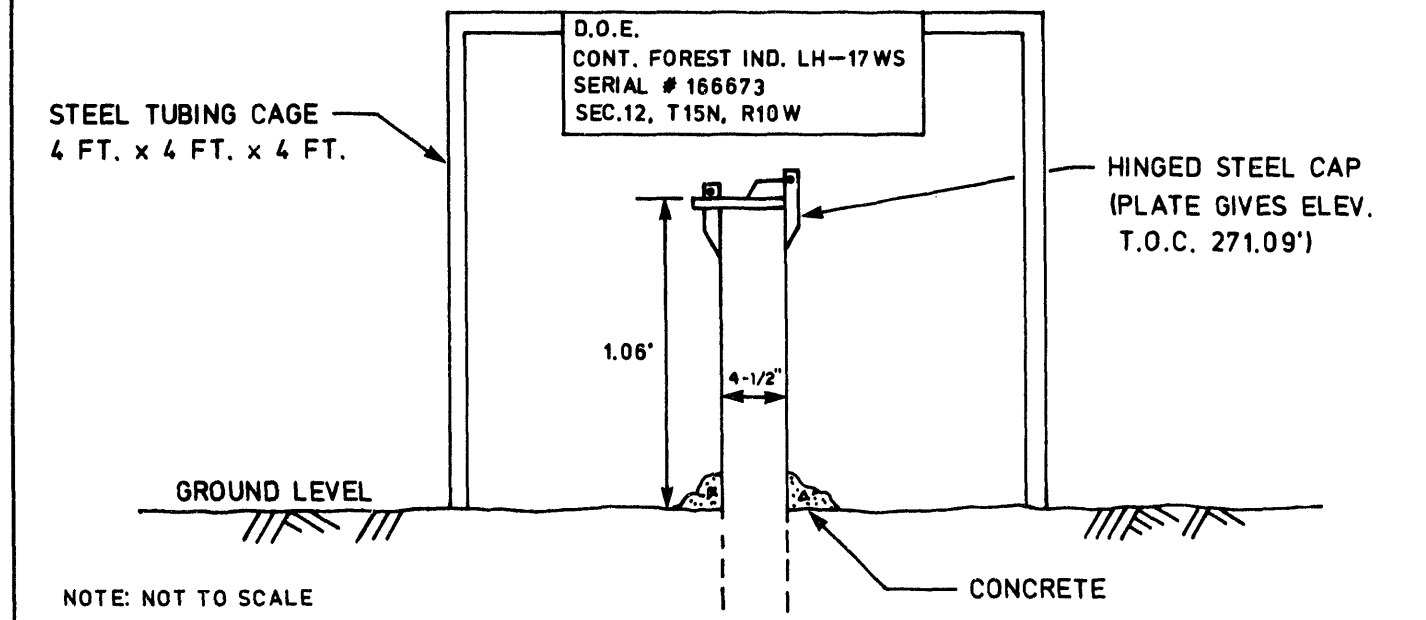
ATTACHMENT 3

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

PLAN VIEW OF WORK SITE



WELLHEAD PROFILE

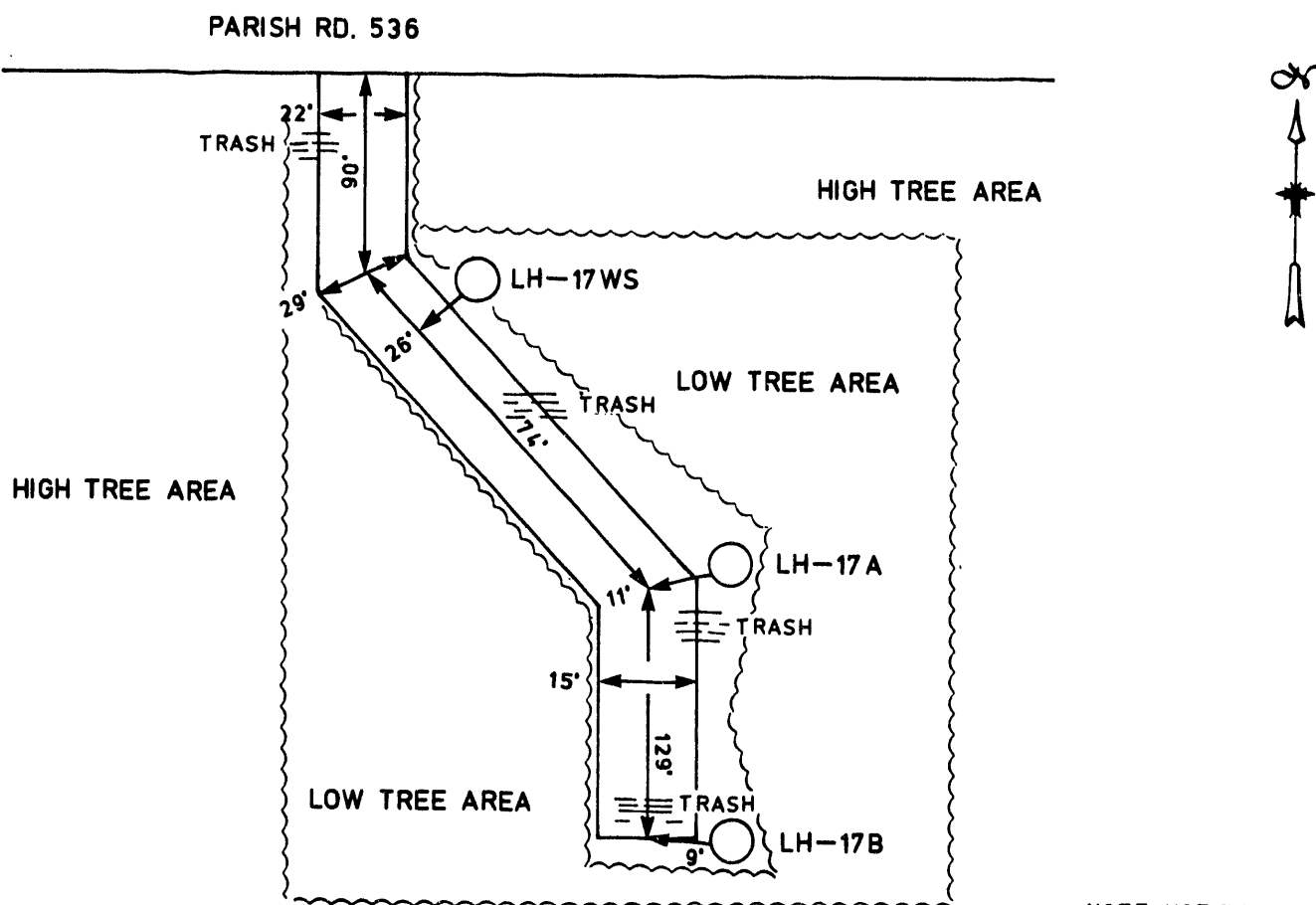


SCHEMATIC OF PREABANDONMENT SITE STATUS

ATTACHMENT 3

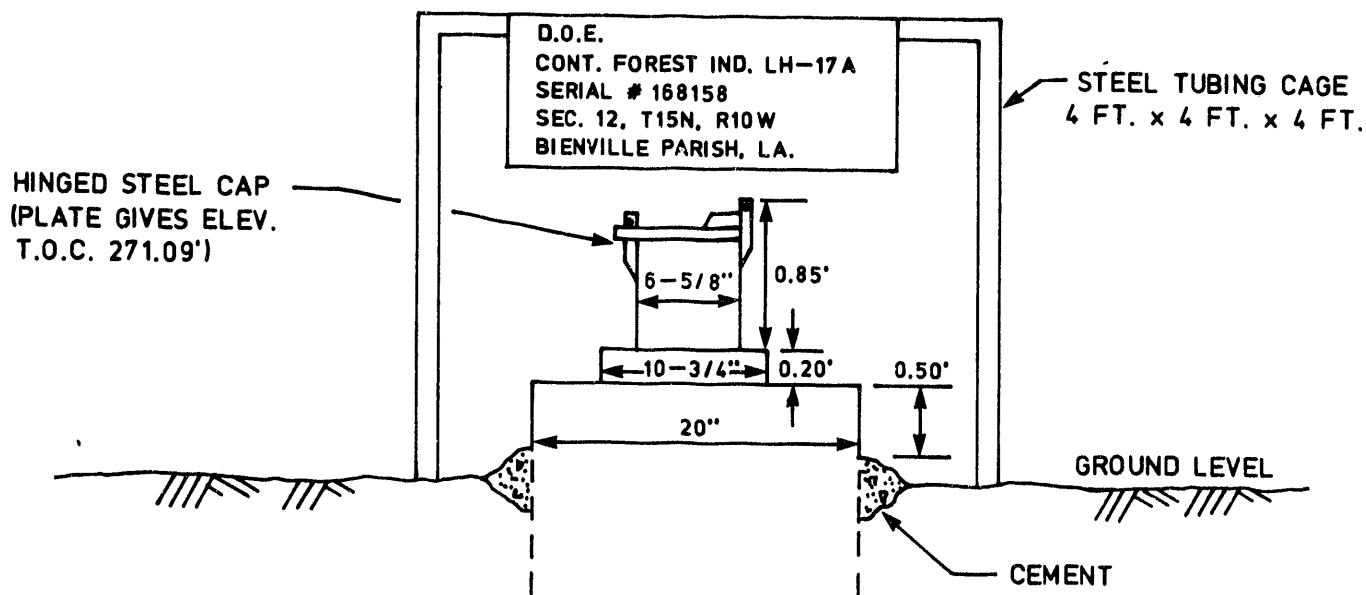
CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/25/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LH-17A	TFSC FIELD REPRESENTATIVE J.L. WELC-LEPAIN	

PLAN VIEW OF WORK SITE



NOTE: NOT TO SCALE

WELLHEAD PROFILE



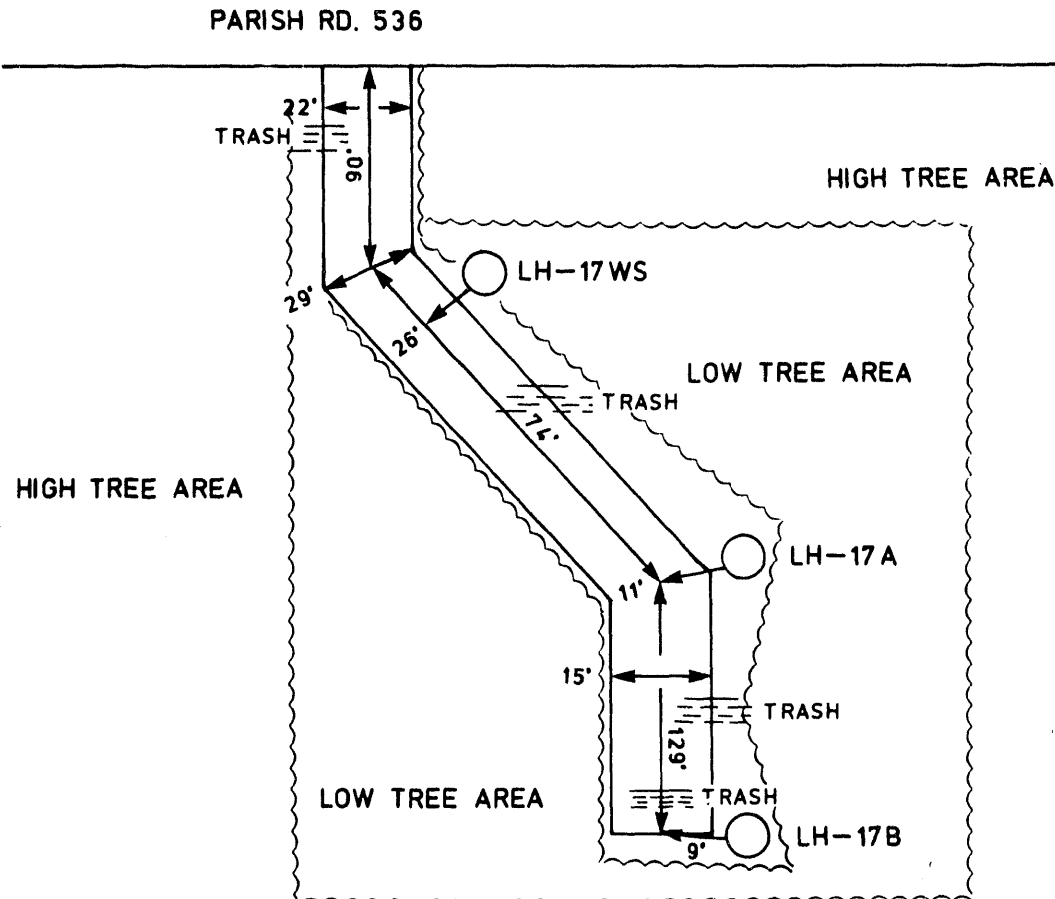
NOTE: NOT TO SCALE

SCHEMATIC OF PREABANDONMENT SITE STATUS

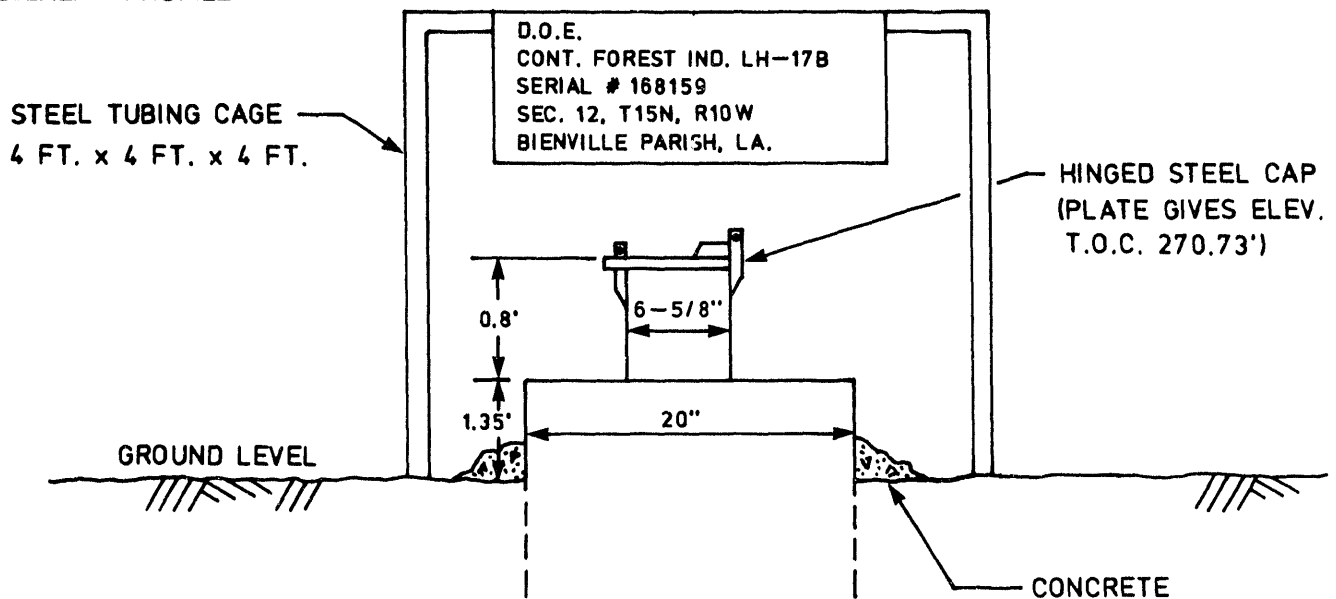
ATTACHMENT 3

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



WELLHEAD PROFILE



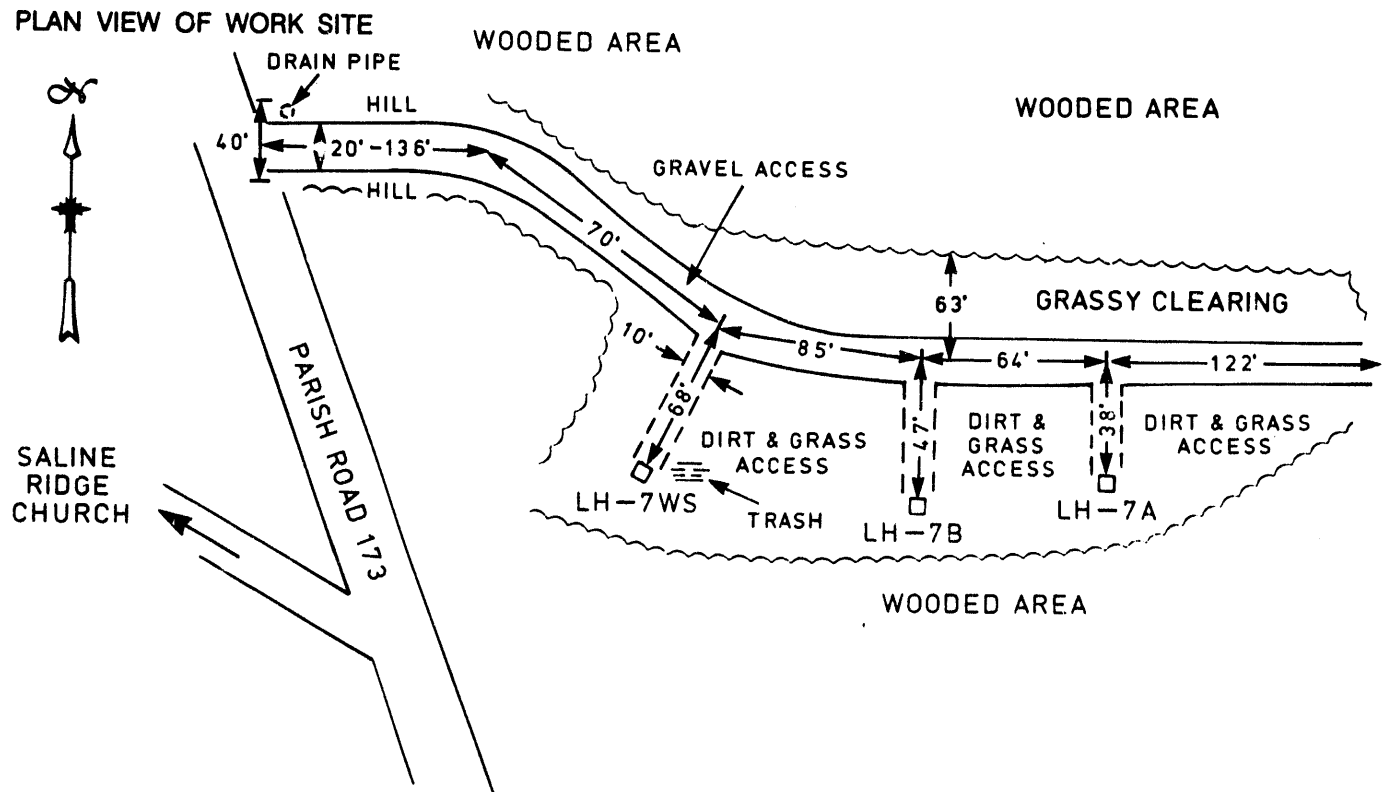
ATTACHMENT 3

NOTE: NOT TO SCALE

SCHEMATIC OF PREABANDONMENT SITE STATUS

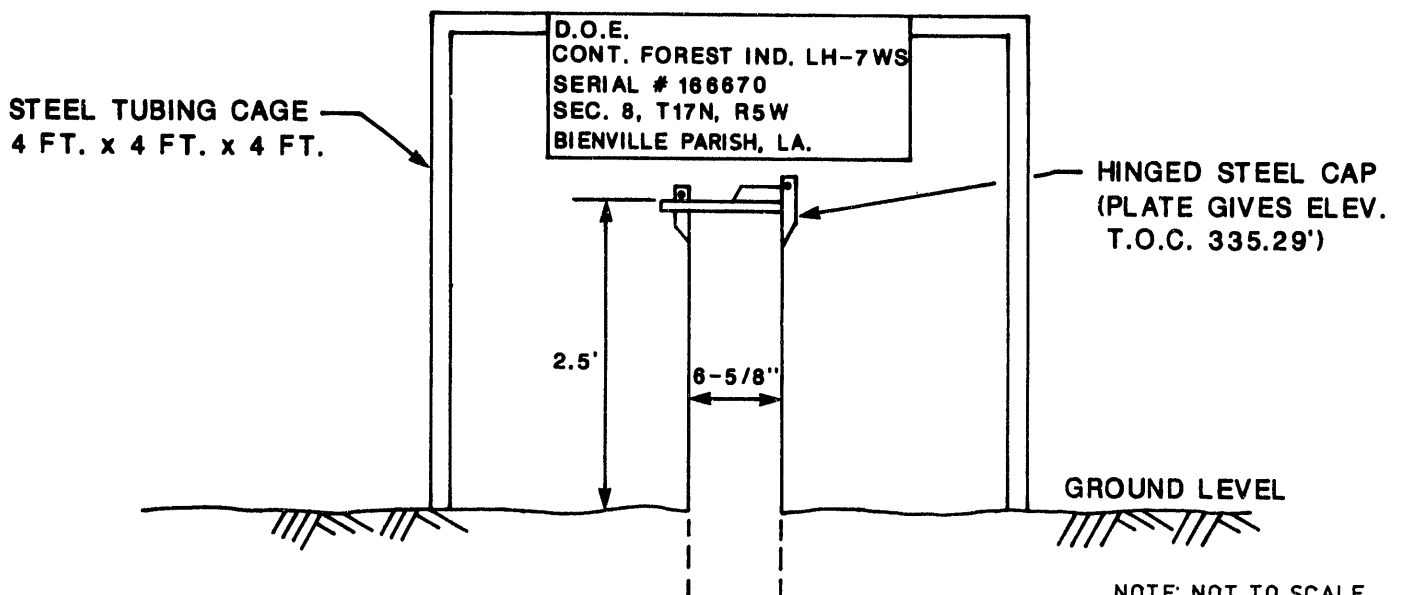
ATTACHMENT 3

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



NOTE: NOT TO SCALE

WELLHEAD PROFILE

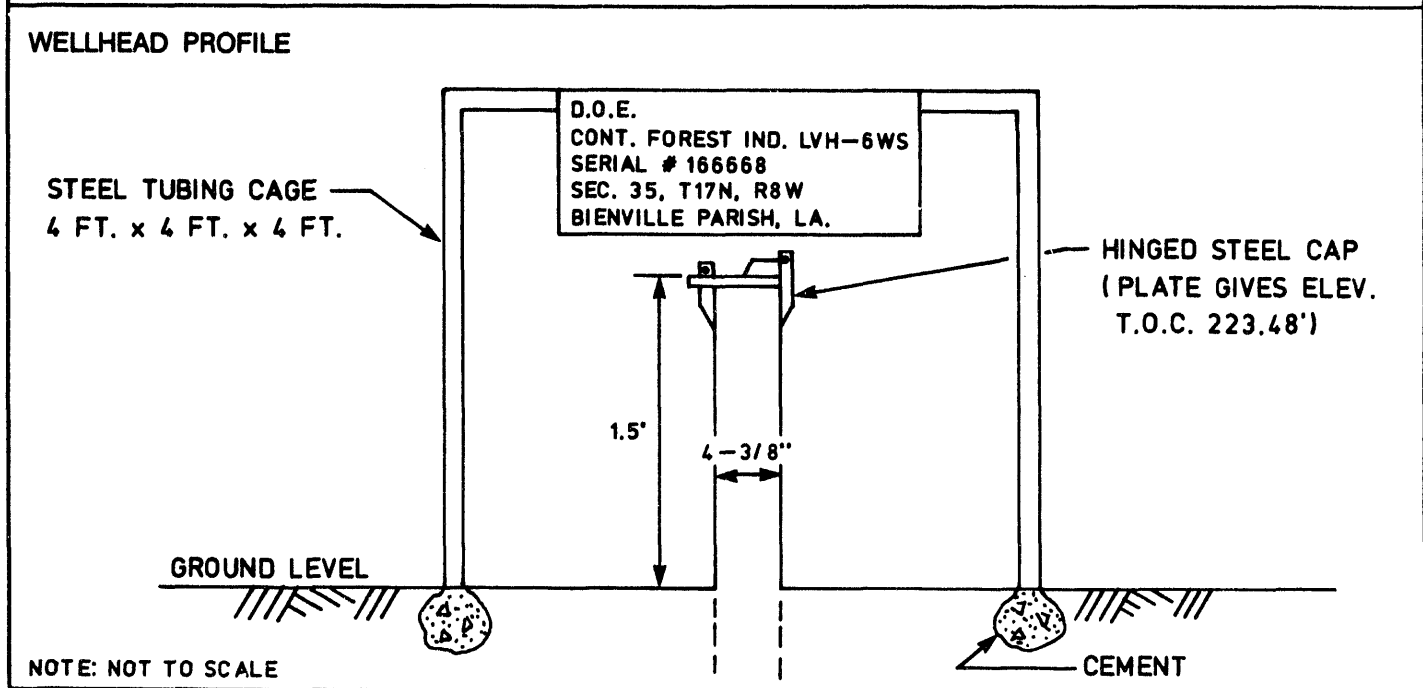
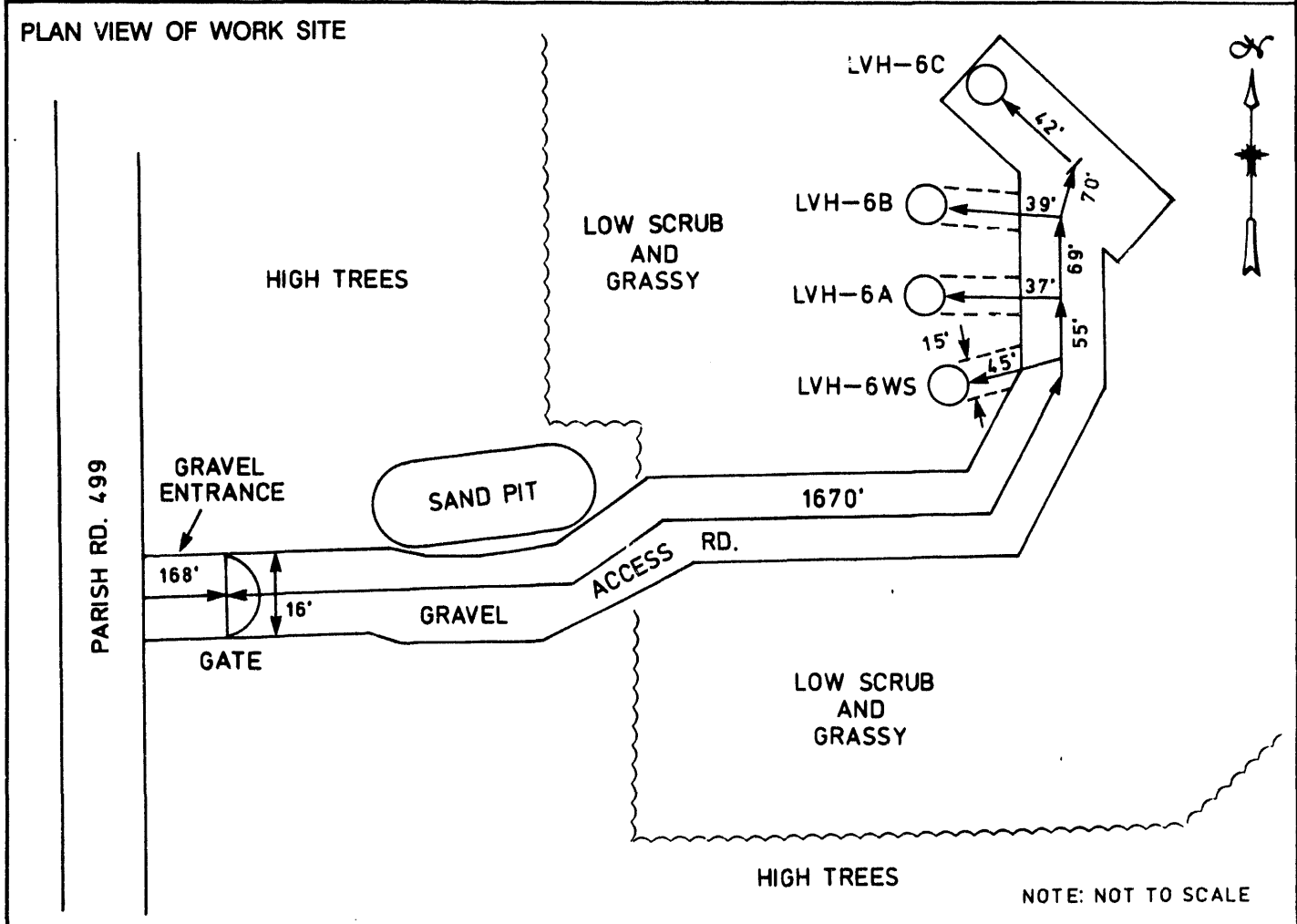


NOTE: NOT TO SCALE

SCHEMATIC OF PREABANDONMENT SITE STATUS

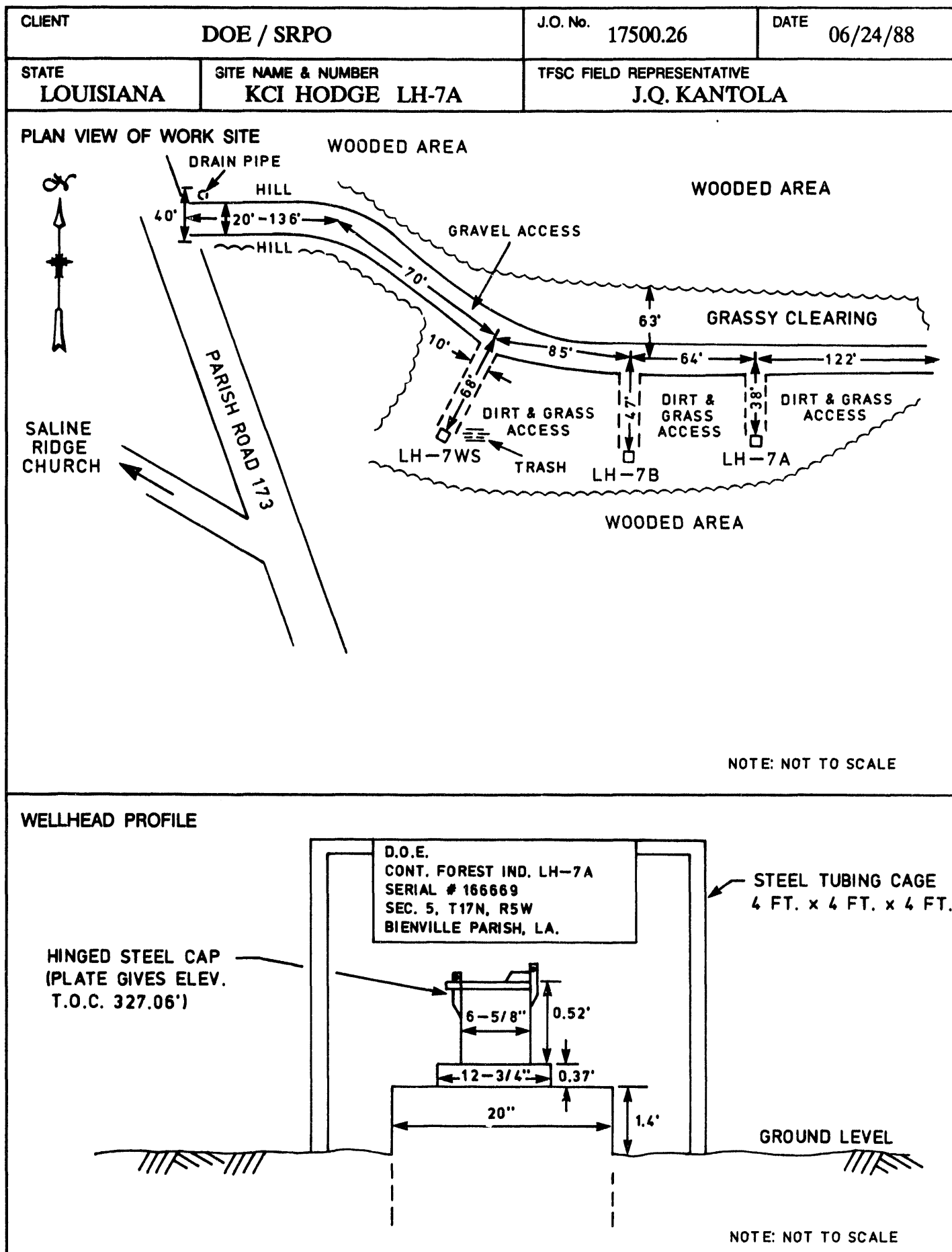
ATTACHMENT 3

CLIENT DOE / SRPO		J.O. No. 17500.26	DATE 06/24/88
STATE LOUISIANA	SITE NAME & NUMBER KCI HODGE LVH-6WS	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	



SCHEMATIC OF PREABANDONMENT SITE STATUS

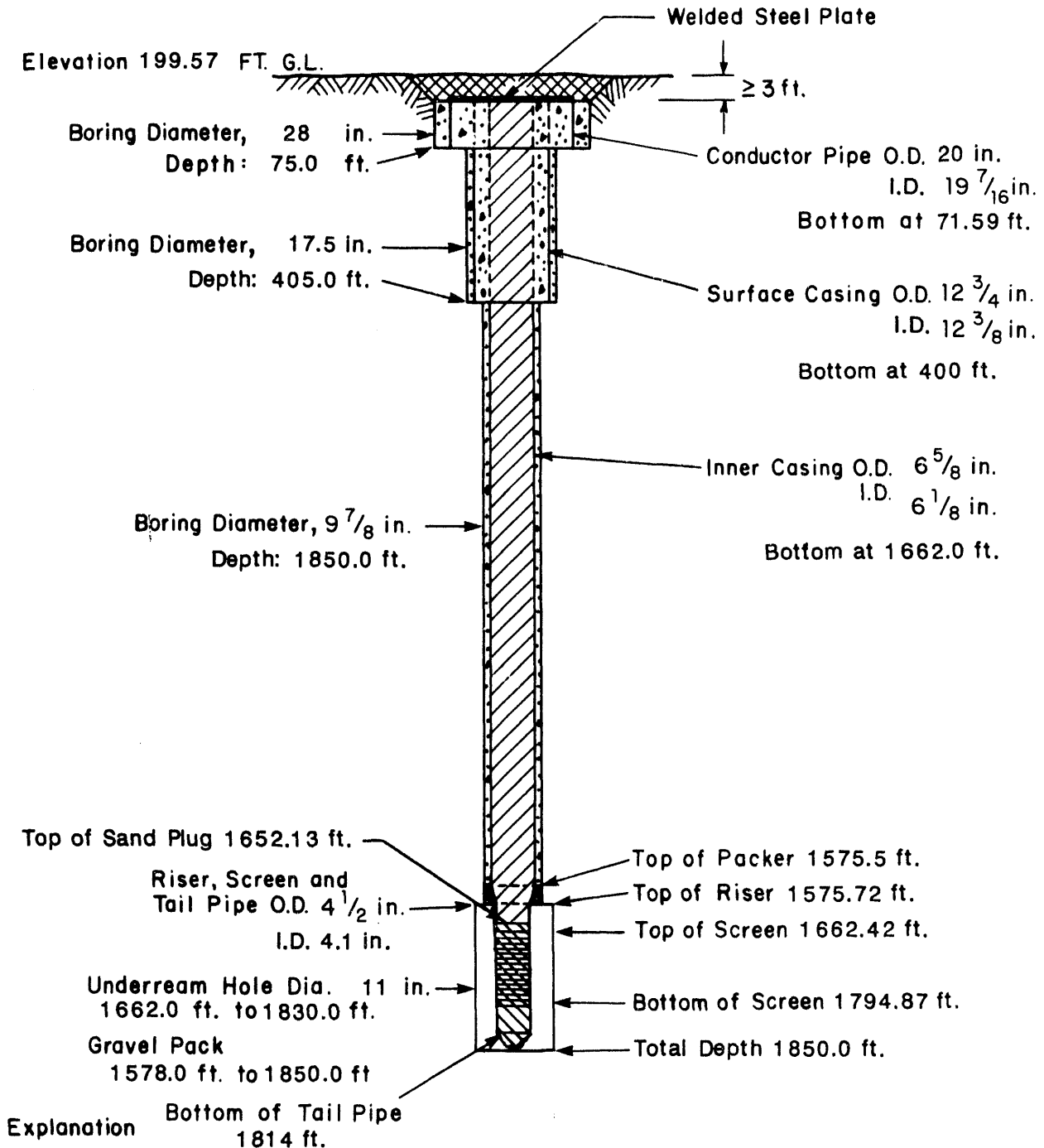
ATTACHMENT 3








BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 9/23/88
STATE LOUISIANA	WELL NAME & NUMBER LP & L LH-2A	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

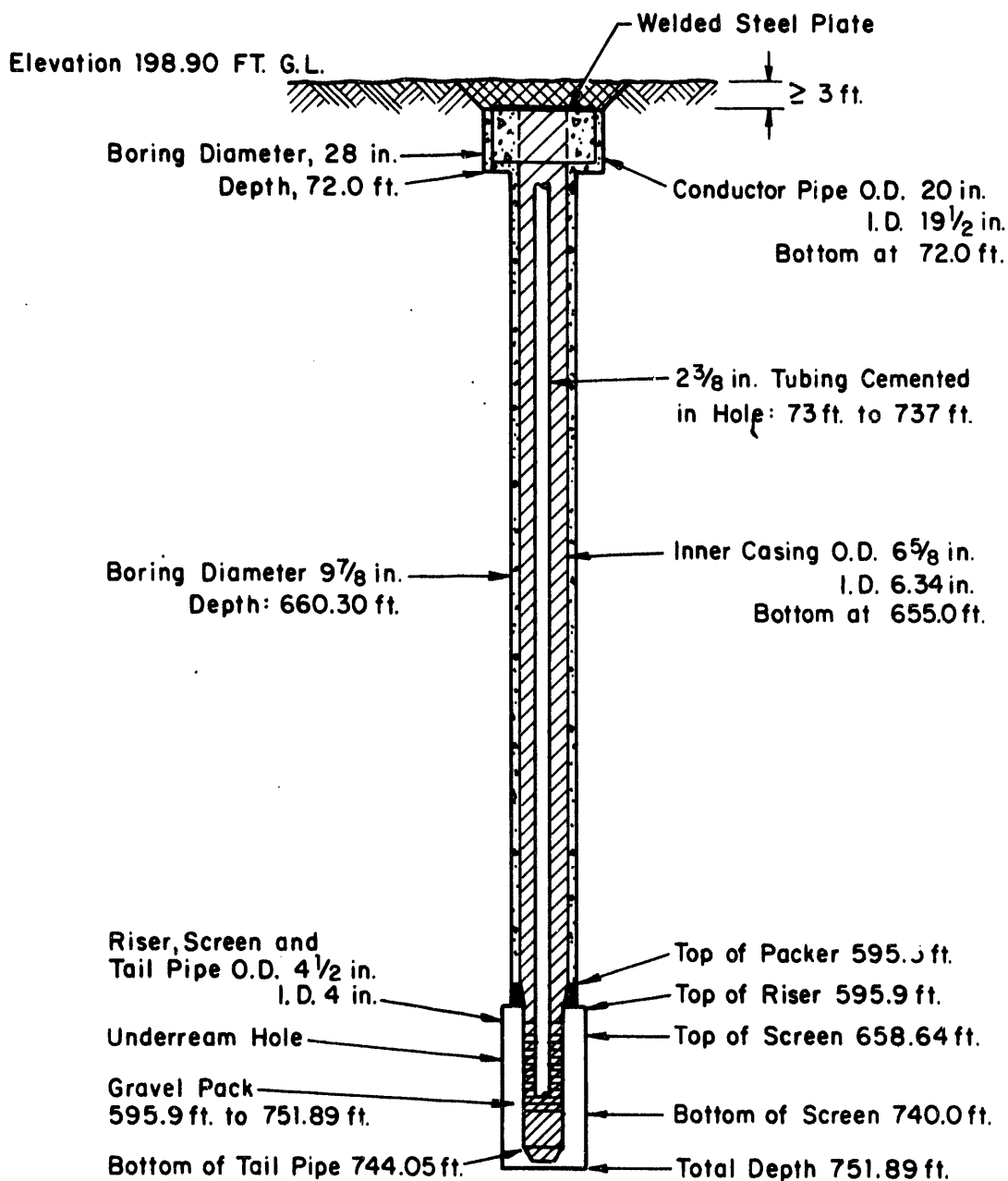
Notes:

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 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-Pontonite Plug: Placed for abandonment
-  Backfilled Soil

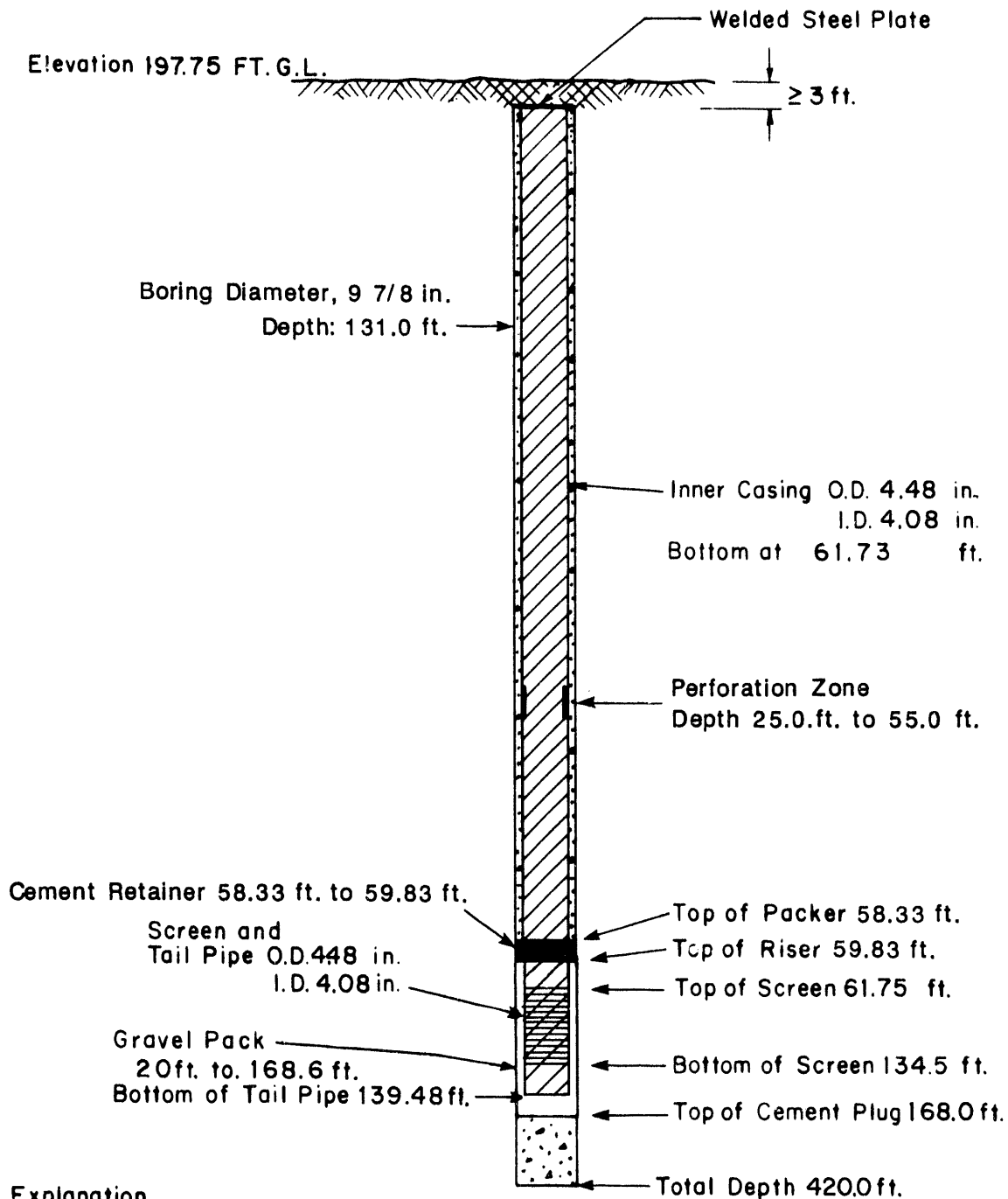
Notes:

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. DECONTO/J.Q. KANTOLA/R. KRANES	



Explanation

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

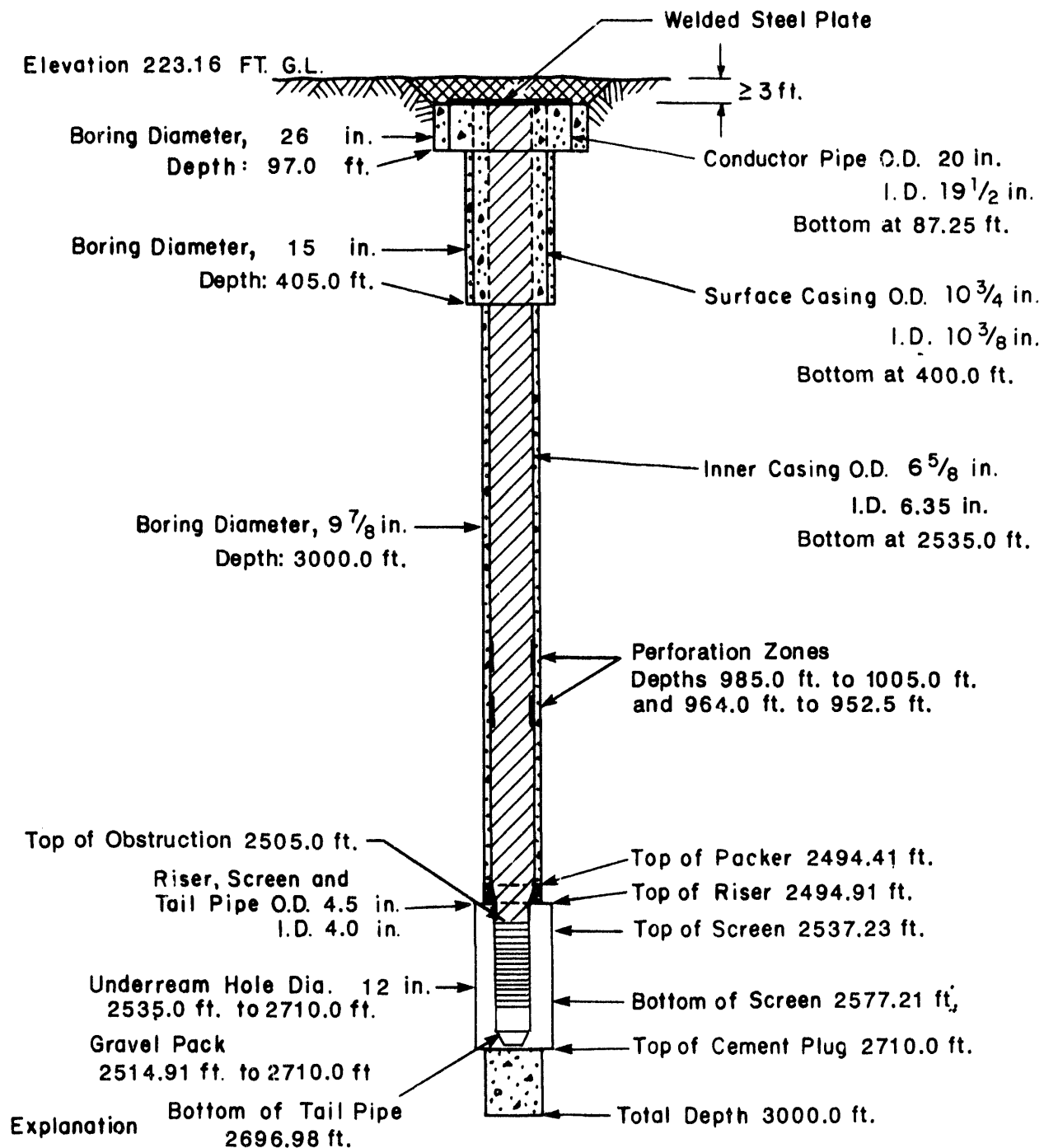
Notes:

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





BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE/SRPO	J.O. No. 17500.26	DATE 10 / 23 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH-6A	TFSC FIELD REPRESENTATIVE R.T. DECONTO/W.C. BRANDON



Explanation

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

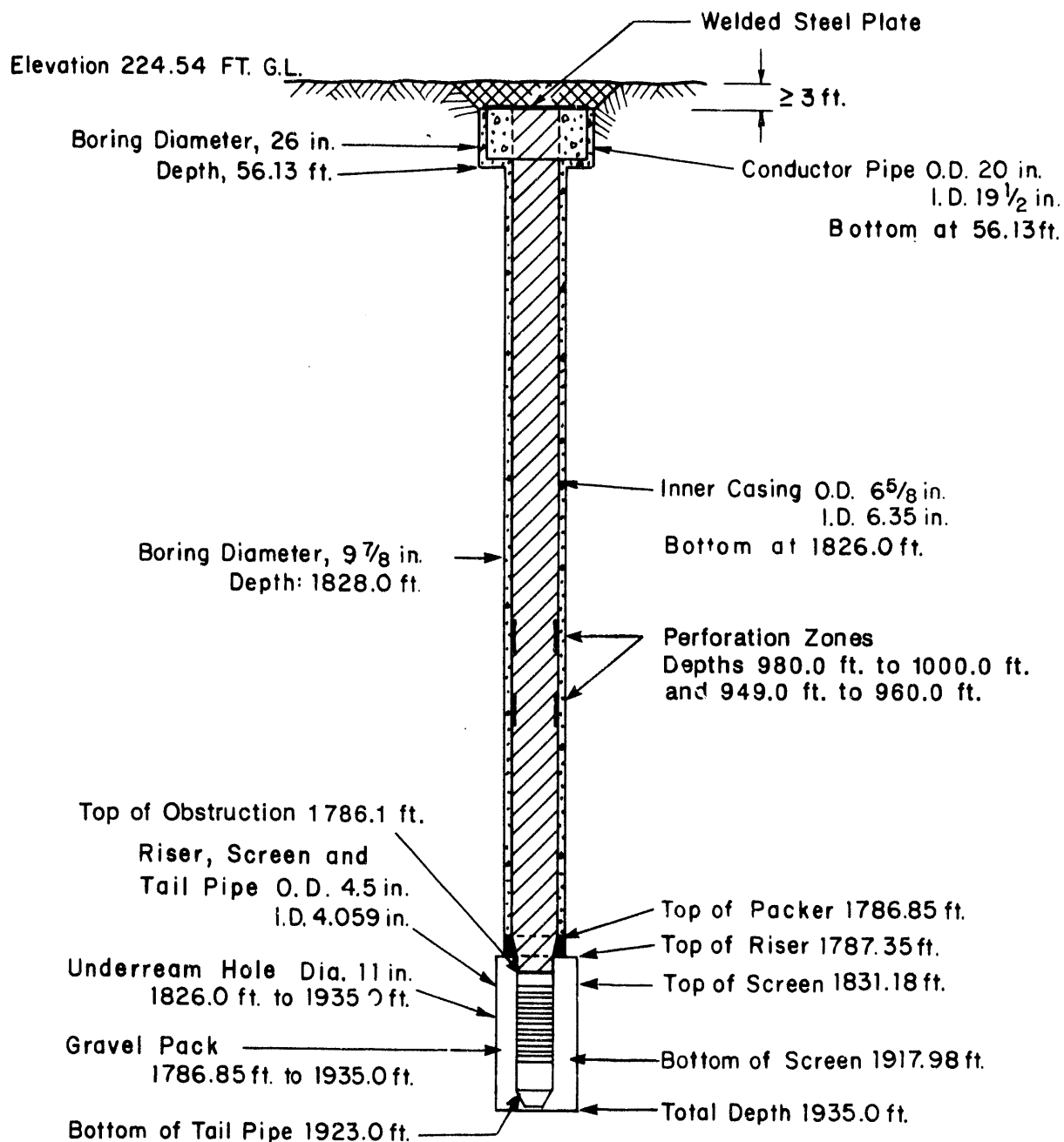
Notes:

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 / 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

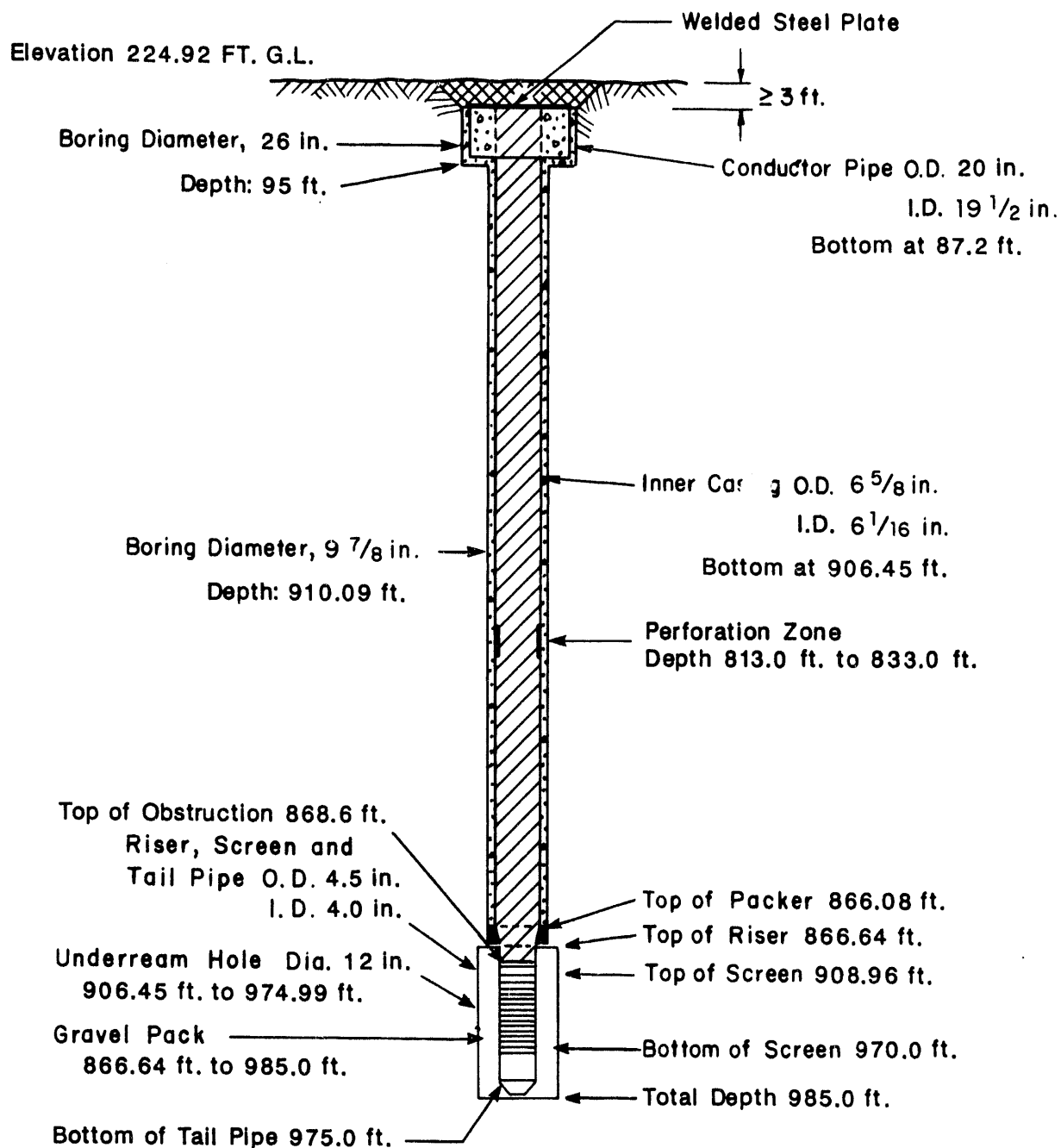
Notes:

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

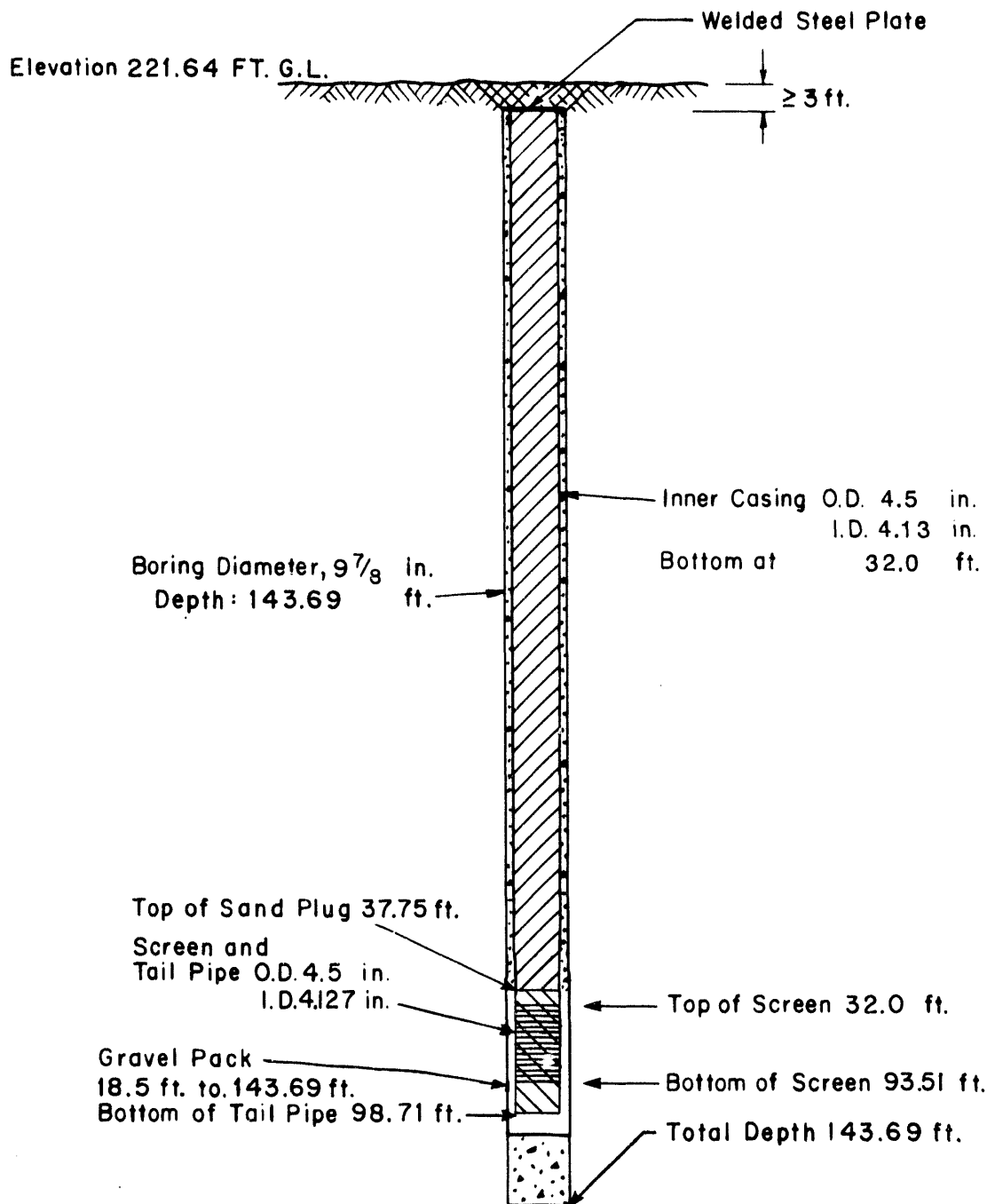
Notes:

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



Explanation

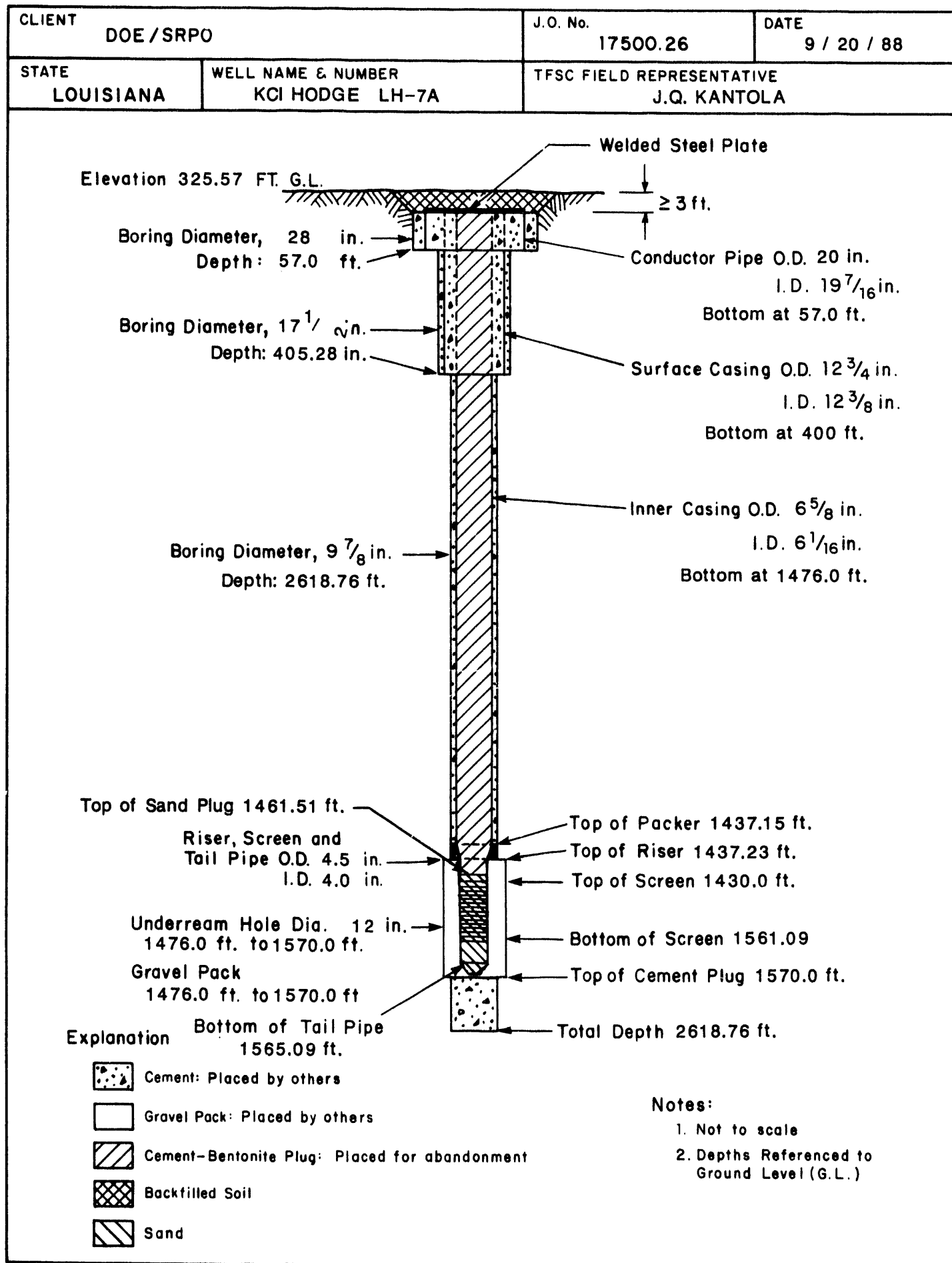
-  Cement: Placed by others
-  Gravel Pack: Placed by others
-  Cement-Bentonite Plug: Placed for abandonment
-  Backfilled Soil
-  Sand

Notes:

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

BOREHOLE COMPLETION SKETCH

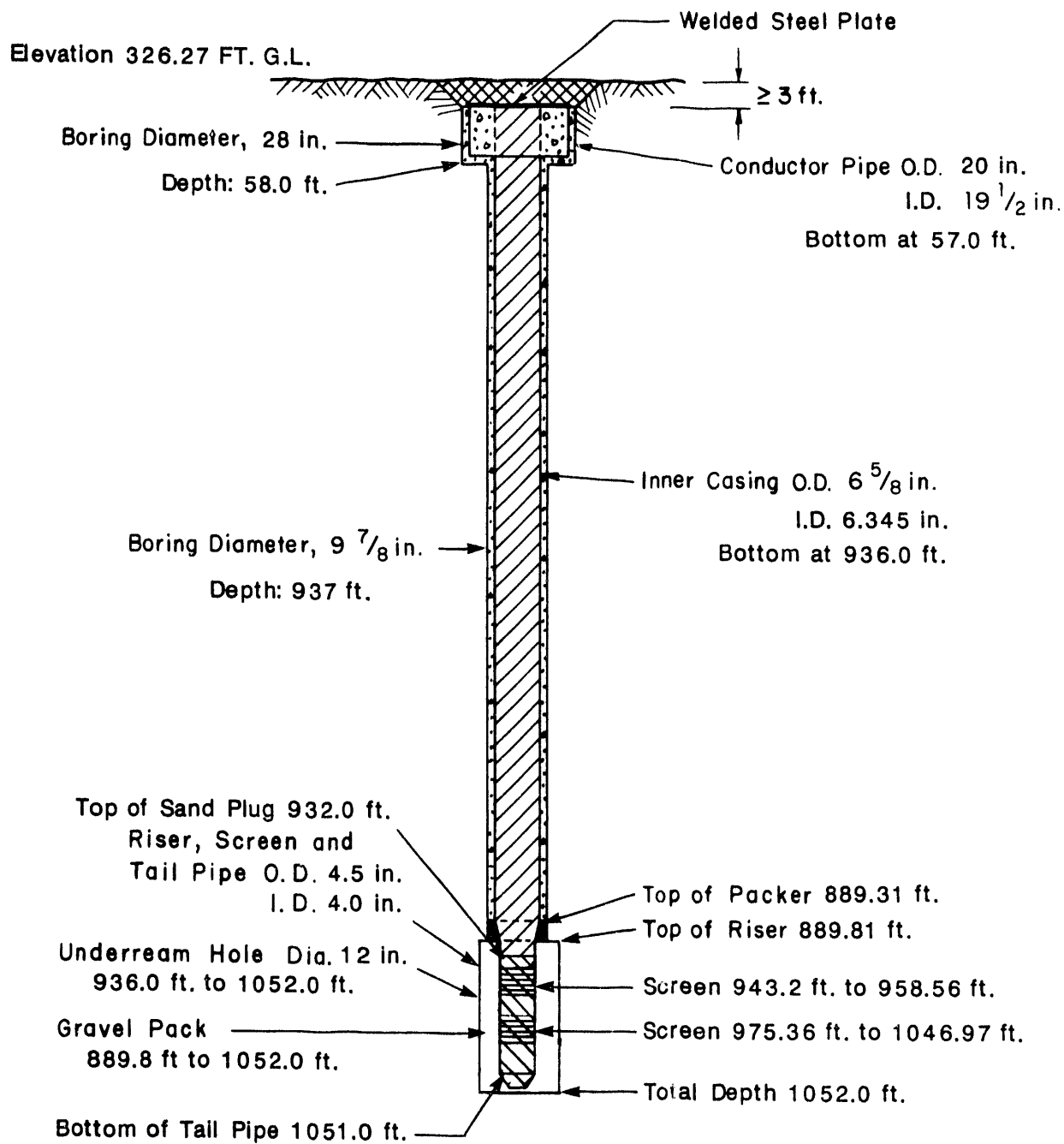
AMENDMENT 4








BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 9 / 19 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-7B	TFSC FIELD REPRESENTATIVE RICHARD KRANES



Explanation

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

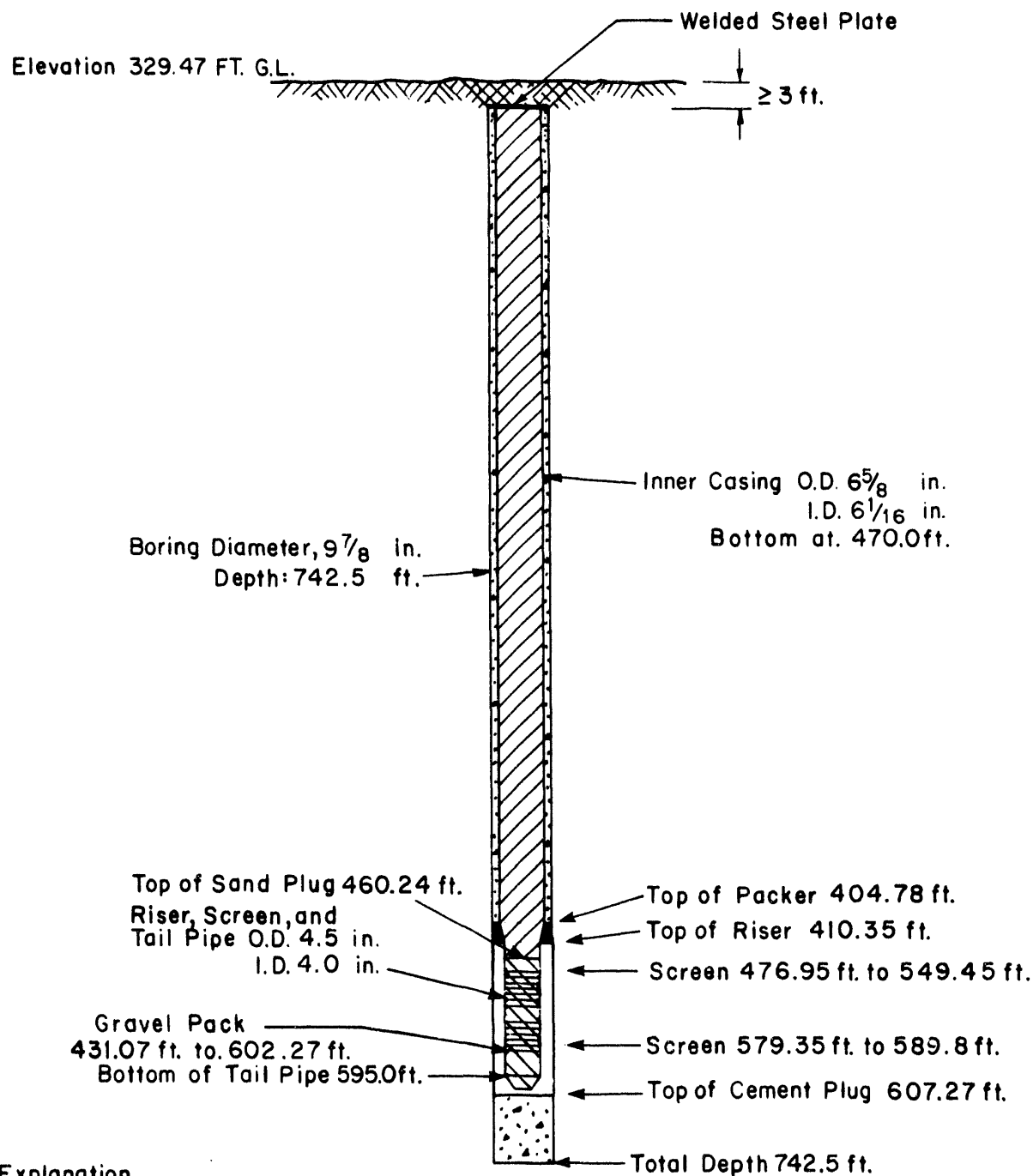
Notes:

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 / 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

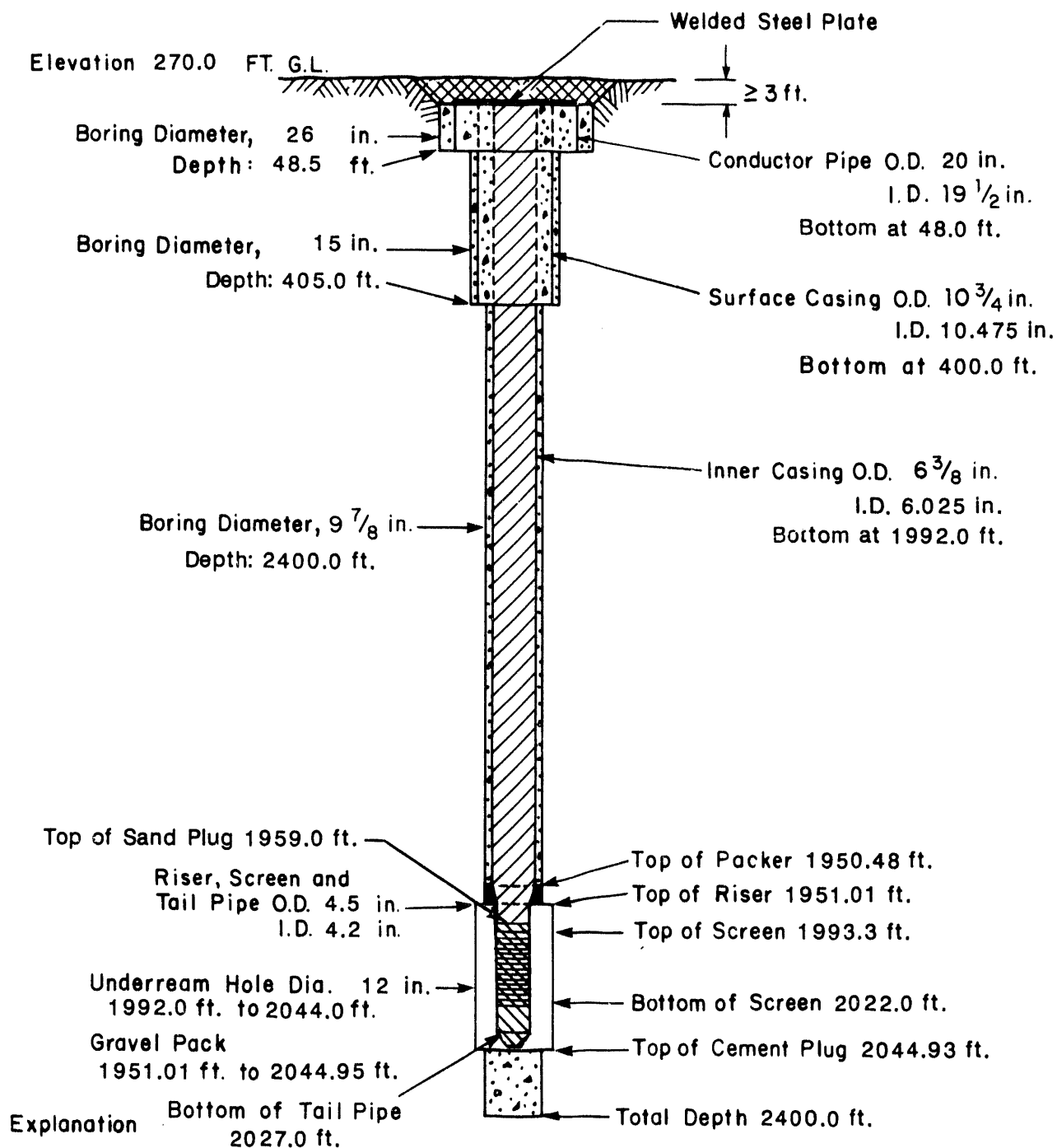
Notes:

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



Explanation

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

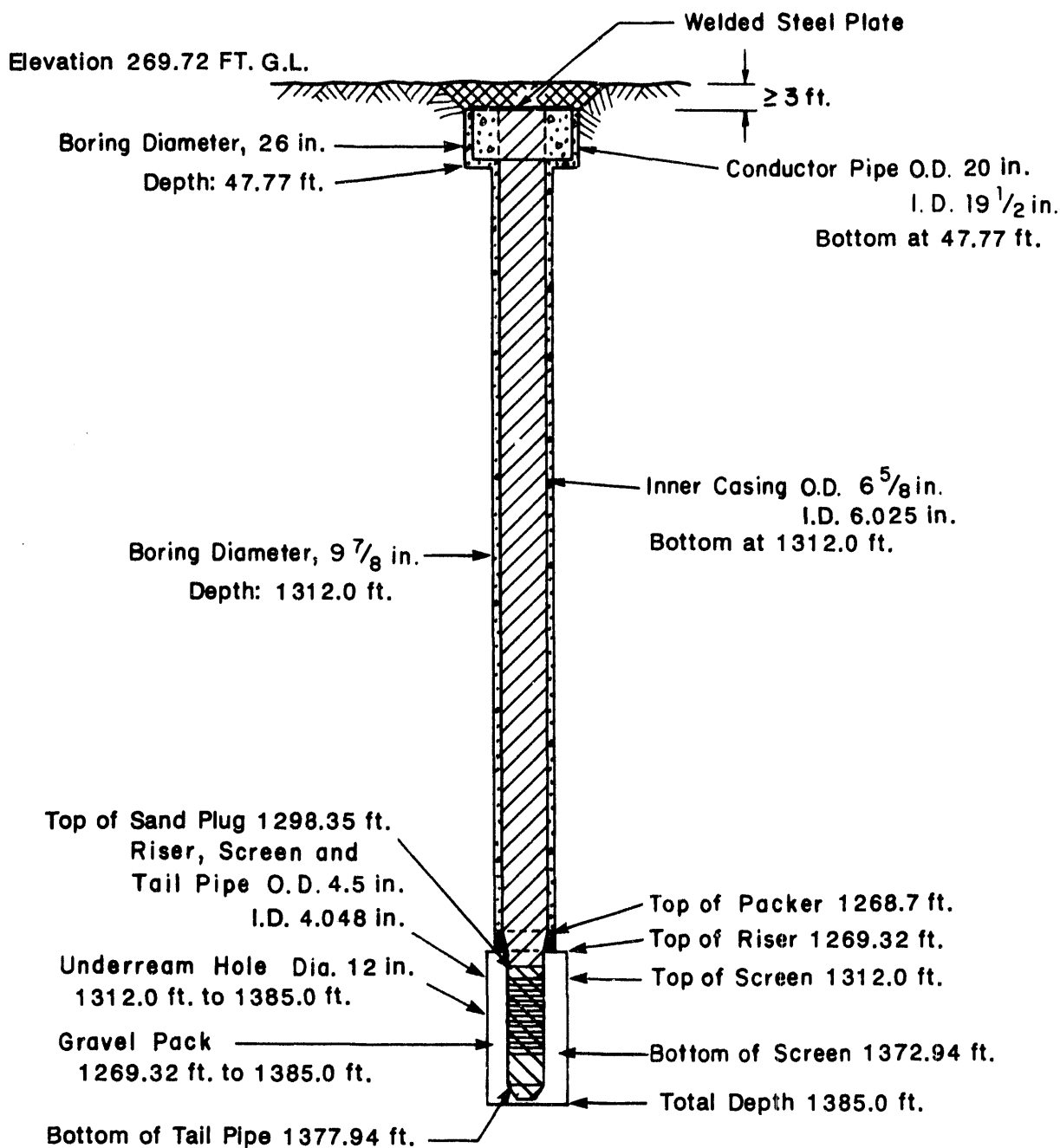
Notes:

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 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

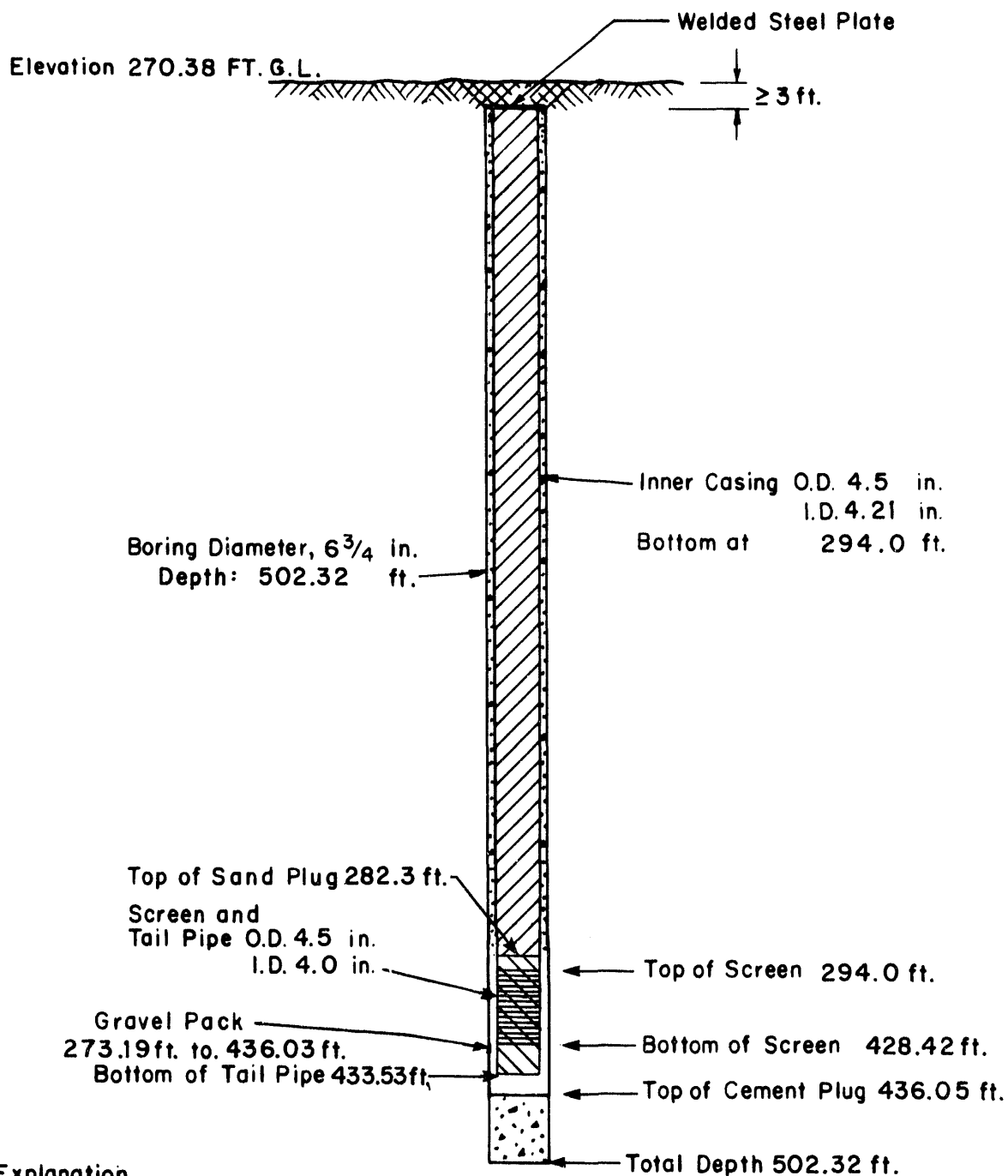
Notes:

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






BOREHOLE COMPLETION SKETCH

ATTACHMENT 4

CLIENT DOE / SRPO	J.O. No. 17500.26	DATE 10 / 1 / 88
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17WS	TFSC FIELD REPRESENTATIVE RICHARD KRANES



Explanation

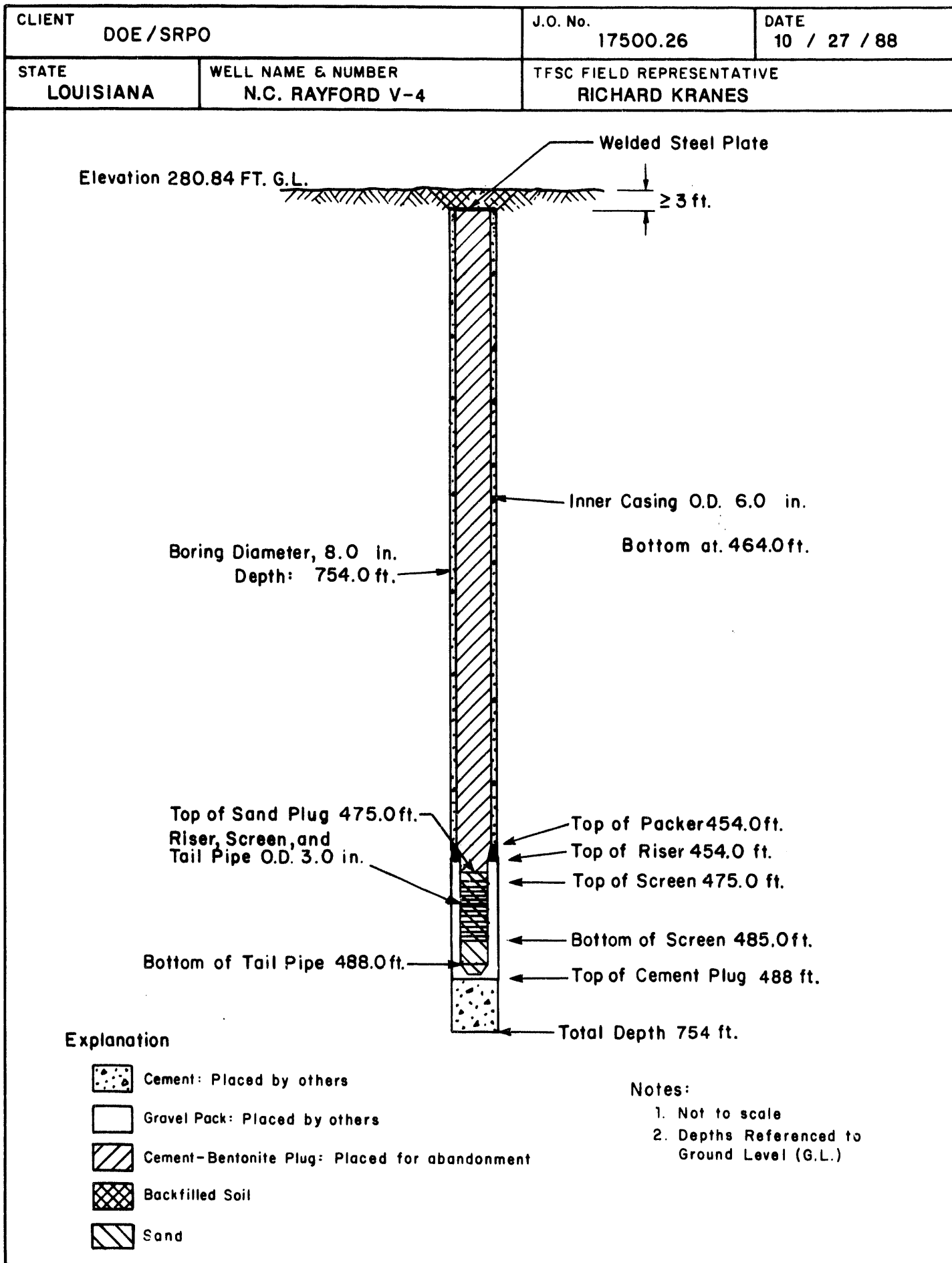
-  Cement: Placed by others
-  Gravel Pack: Placed by others
-  Cement-Bentonite Plug: Placed for abandonment
-  Backfilled Soil
-  Sand

Notes:

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

BOREHOLE COMPLETION SKETCH

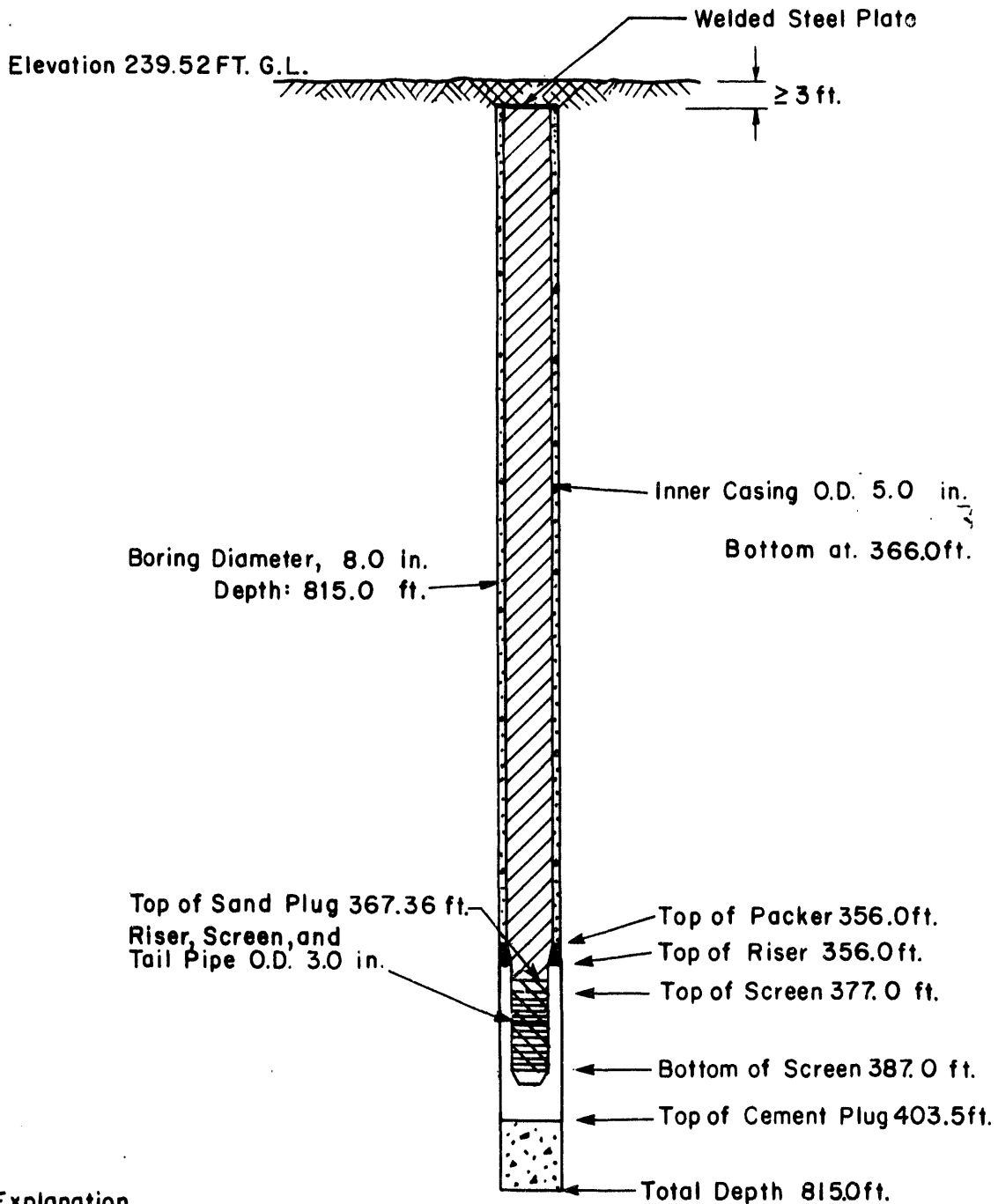
ATTACHMENT 4








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

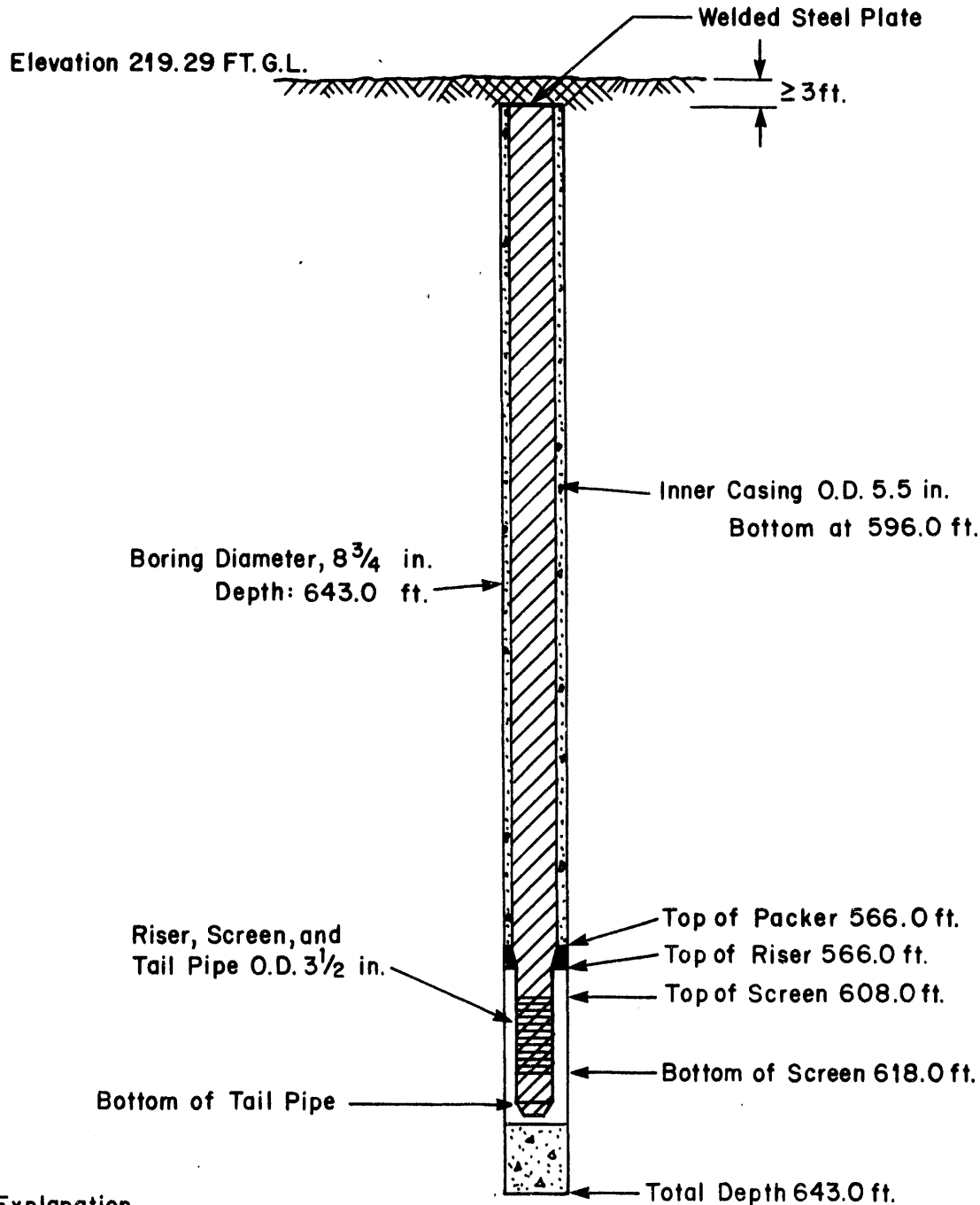
Notes:

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



Explanation

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

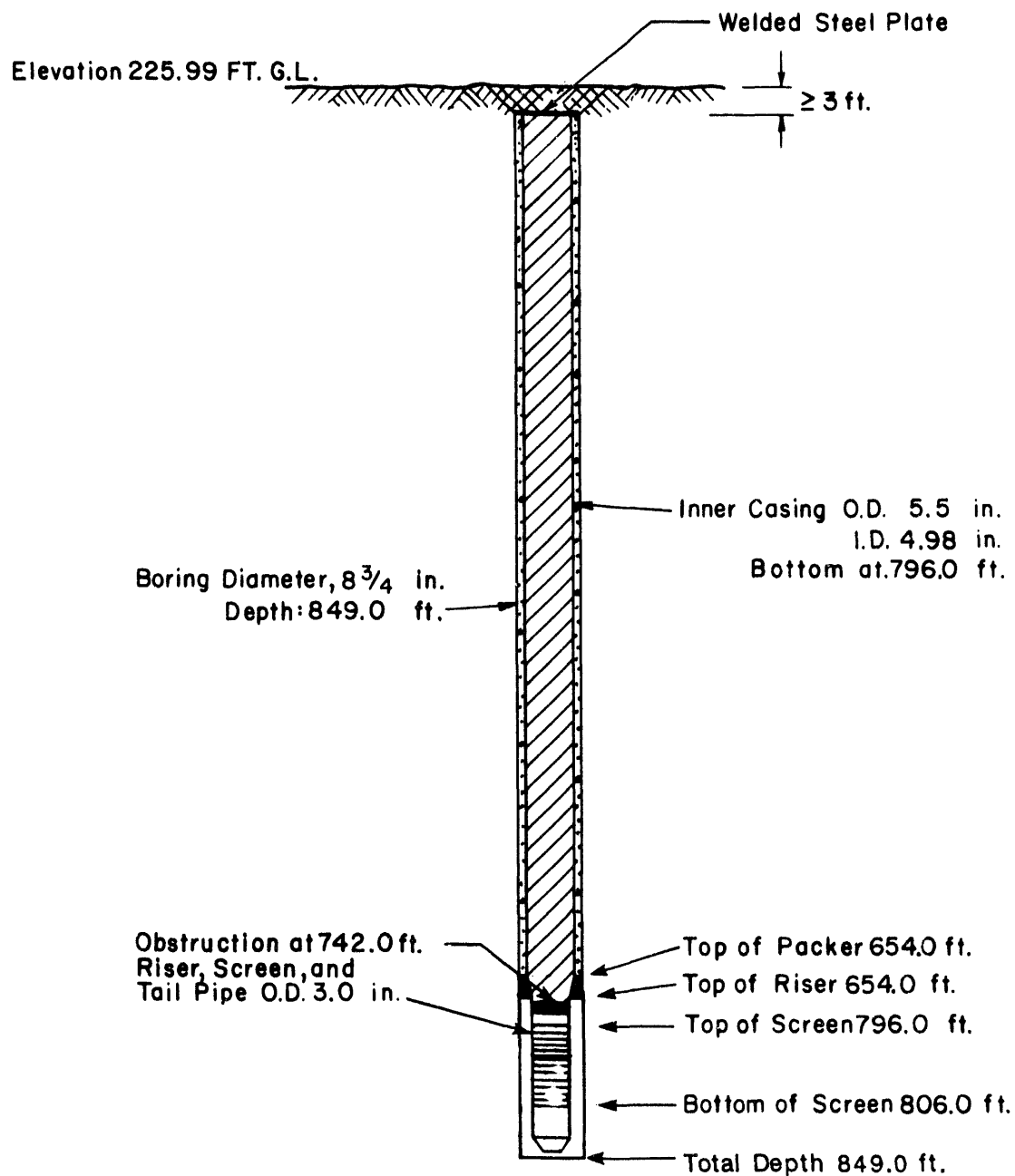
Notes:

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 9 / 9 / 88
STATE LOUISIANA	WELL NAME & NUMBER E.H.S. CONNELL V-7	TFSC FIELD REPRESENTATIVE R.T. DECONTO



Explanation

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

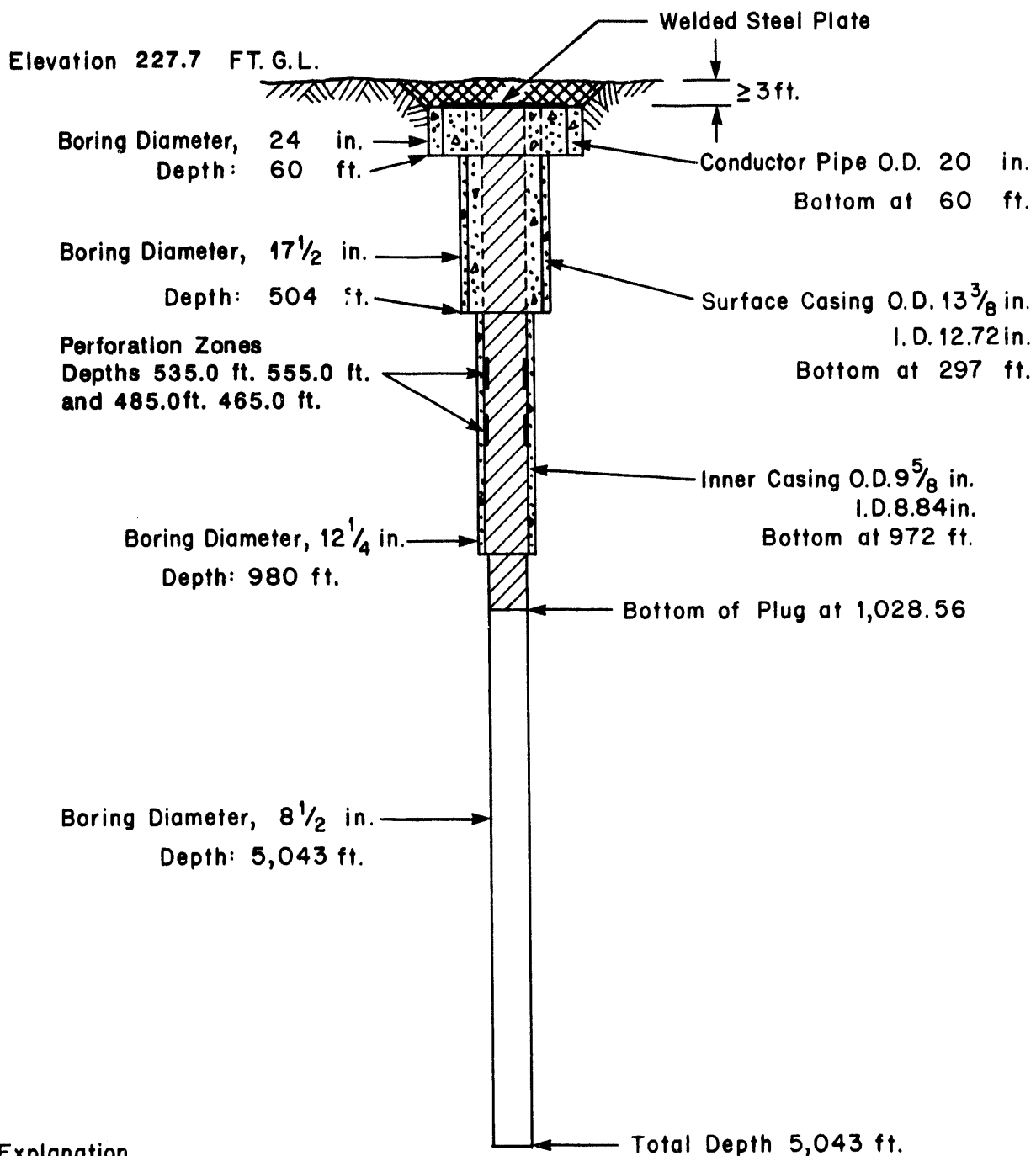
Notes:

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 11/ 7/88
STATE LOUISIANA	WELL NAME & NUMBER DOE Smith et al. No. 1	TFSC FIELD REPRESENTATIVE R. KRANES



Explanation

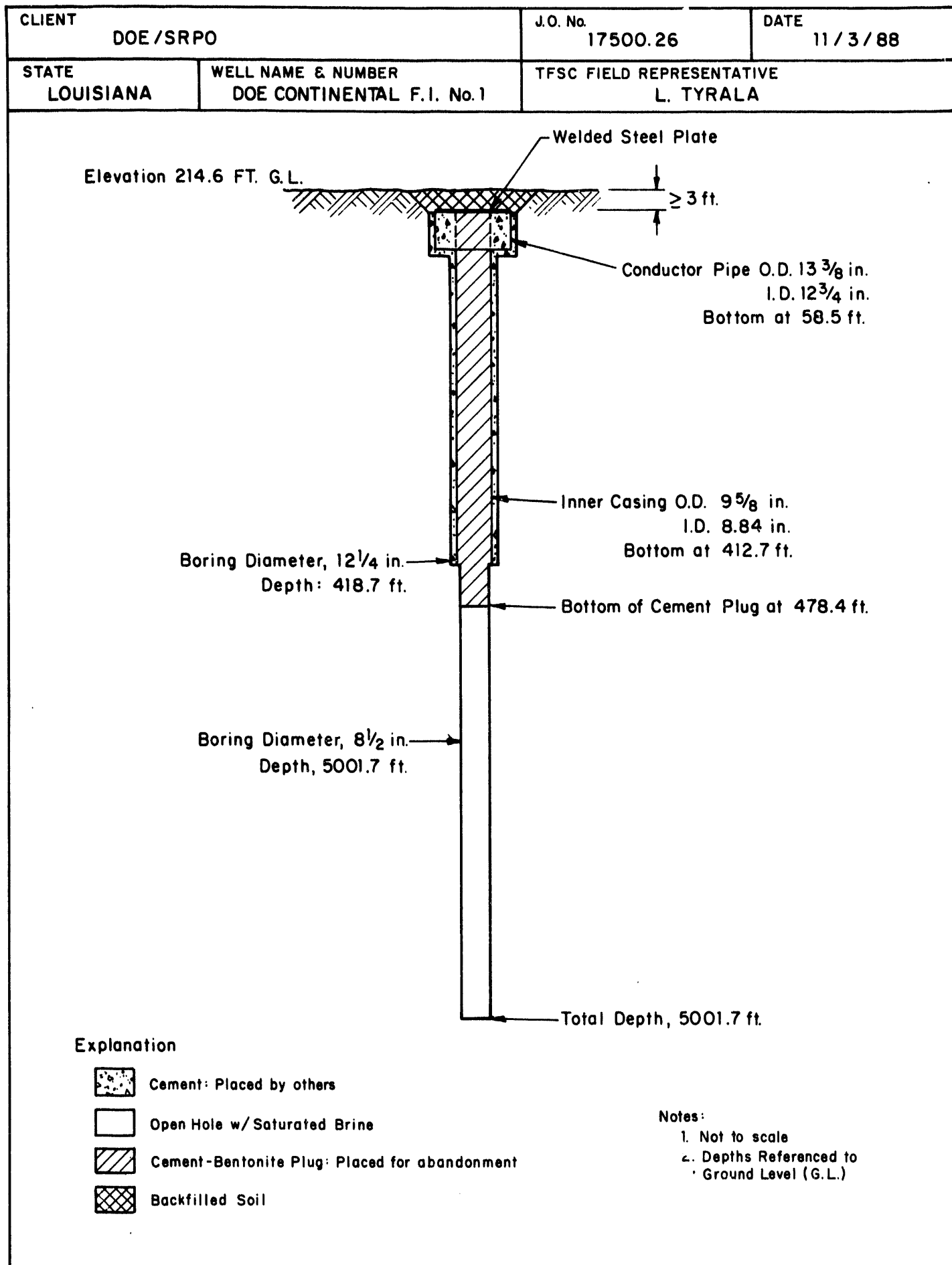
-  Cement: Placed by others
-  Open Hole w/ Saturated Brine
-  Cement-Bentonite Plug: Placed for abandonment
-  Backfilled Soil

Notes:

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

BOREHOLE COMPLETION SKETCH

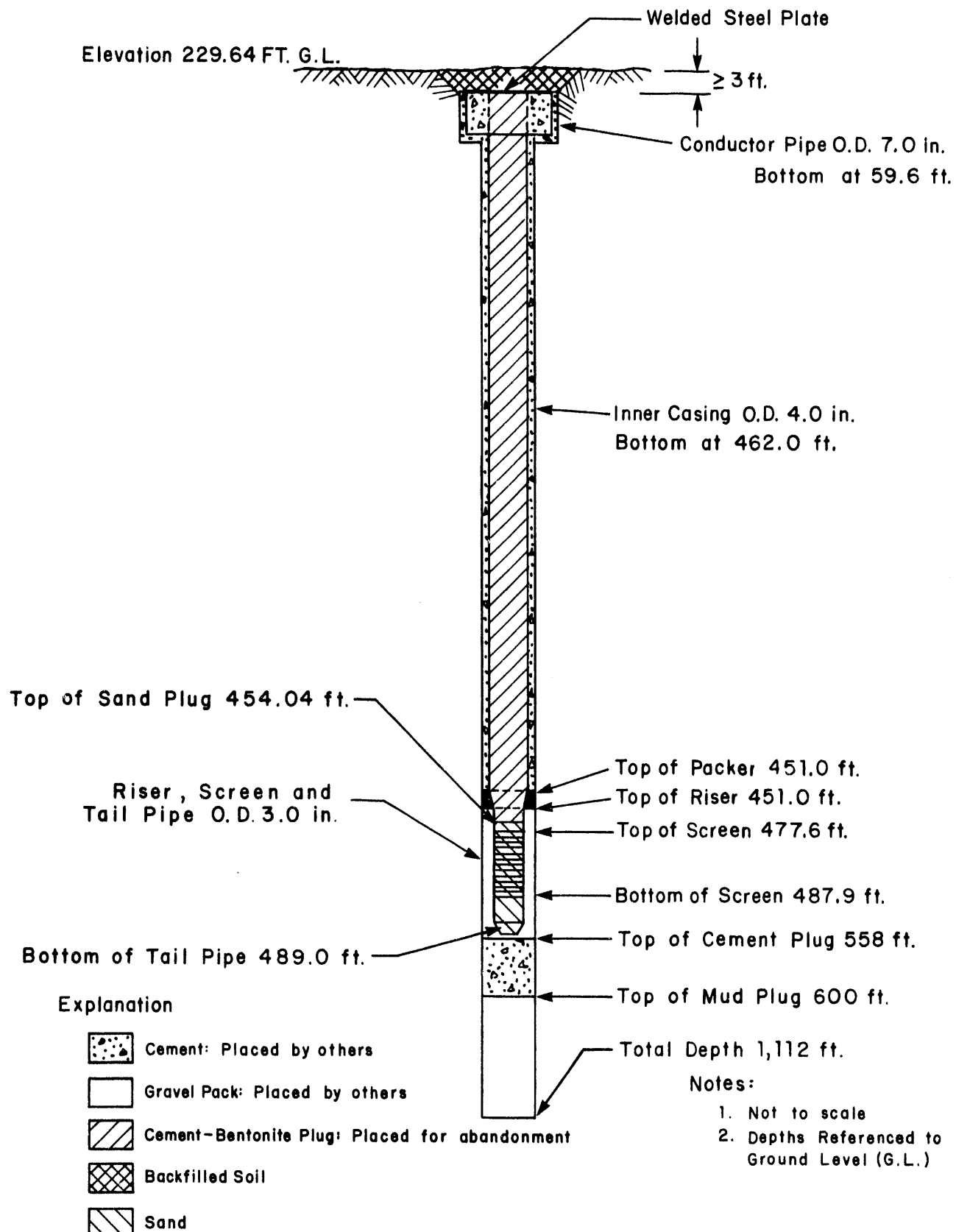
ATTACHMENT 4



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



PLUGGING REPORT

(PAGE 1 OF 2)

CLIENT <u>DOE / SRPO</u>		J.O. No. <u>17500.26</u>	DATUM ELEVATION <u>199.57</u>
STATE <u>LOUISIANA</u>	WELL NAME & NUMBER <u>LP&L LH-2A</u>	TFSC FIELD REPRESENTATIVE <u>JOEL Q KANTOLA</u>	

NOTIFICATION OF REGULATORY AGENCY _____ DATE 09/21/88
 AGENCY OFFICE OF CONSERVATION REPRESENTATIVE PETER COLVIN
 CEMENTING COMPANY SOUTHWESTERN LABS SERVICE ENGINEER / REP. DAVE POWELL

DISPOSAL OF FLUIDS
 BY POOL CO. DATE 09/22/88
 QUANTITY 35 BBLs FLUID TYPE BRINE

REMARKS
DISPOSAL ALSO TOOK PLACE ON 9/23/88

ZONE 1 TYPE PLUG SAND
 INTERVAL 1795.88' TO 1652.13' DIAMETER OF CASING/HOLE 4.1 IN
 BOTTOM OF TUBING OR PIPE 1640.12 FT CEMENT/MUD TYPE NA
 NO. OF SACKS 14 YIELD * CU. FT/SK. VOL. PUMPED ** CU. FT
 SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 1652.13 FT
 BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
* 10.26 LB/SK: ** AMT. PUMPED 143.75 LN FT.

ZONE 2 TYPE PLUG STAGED CEMENT
 INTERVAL 1652.13 TO 215.57 FT DIAMETER OF CASING/HOLE 4.1 AND 6.13 IN
 BOTTOM OF TUBING OR PIPE 1639.95 FT CEMENT/MUD TYPE TYPE A WITH 8% BENTONITE
 NO. OF SACKS 180 YIELD 1.86 CU. FT/SK. VOL. PUMPED 334.8 CU. FT
 SLURRY WEIGHT 13.1 TO 13.3 LBS/GAL TOP OF PLUG 215.57 FT
 BRIDGE PLUG TYPE SAND PLUG DEPTH 1795.88 TO 1652.13

REMARKS
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..

PLUGGING REPORT

(PAGE 2 OF 2)

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 199.57
STATE LOUISIANA	WELL NAME & NUMBER LP&L LH-2A	DATE 09/23/88	
		TFSC FIELD REPRESENTATIVE JOEL Q KANTOLA	

ZONE 3 TYPE PLUG CONTINUOUS 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 DATE 09/11/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE PETER COLVIN

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. D.H. DUNCAN

DISPOSAL OF FLUIDS

BY POOL CO. DATE 09/11/88

QUANTITY 15 BBL FLUID TYPE SALINE WATER

REMARKS

ZONE 1 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 745.3 TO 72.08 FT DIAMETER OF CASING/HOLE 6.34 I.D. IN

BOTTOM OF TUBING OR PIPE 742.18 FT CEMENT/MUD TYPE CLASS A. W/ 8% BENTONITE

NO. OF SACKS 78 YIELD 1.86 CU. FT/SK. VOL. PUMPED 145 CU. FT

SLURRY WEIGHT 13.3 LBS/GAL TOP OF PLUG 72.08 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

724.05' OF TUBING STUCK IN HOLE AFTER 78 SACKS OF CEMENT PUMPED. DEPTH OF CEMENT IN STUCK TUBING 737.0'.

ZONE 2 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 72.08 TO 3 FT DIAMETER OF CASING/HOLE 6.34 I.D. IN

BOTTOM OF TUBING OR PIPE 72.08 FT CEMENT/MUD TYPE CLASS A. WITH 8% BENTONITE

NO. OF SACKS 19 YIELD 1.86 CU. FT/SK. VOL. PUMPED 35.34 CU. FT

SLURRY WEIGHT 12.6 / 13.1 LBS/GAL TOP OF PLUG 3.0 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

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).

PLUGGING REPORT

CLIENT <u>DOE / SRPO</u>		J.O. No. <u>17500.26</u>	DATUM ELEVATION <u>199.57</u>
STATE <u>LOUISIANA</u>	WELL NAME & NUMBER <u>LP&L LH-2WS</u>	TFSC FIELD REPRESENTATIVE <u>RICHARD KRANES</u>	

NOTIFICATION OF REGULATORY AGENCY _____ DATE 09/17/88
 AGENCY OFFICE OF CONSERVATION REPRESENTATIVE PETER COLVIN
 CEMENTING COMPANY SOUTHWESTERN LABS. SERVICE ENGINEER / REP. R. BOYD

DISPOSAL OF FLUIDS
 BY NA DATE / /
 QUANTITY NA FLUID TYPE FRESH

REMARKS
FRESH WATER IN WELL.

ZONE 1 TYPE PLUG CONTINUOUS CEMENT
 INTERVAL 134.5 TO 59.33 FT DIAMETER OF CASING/HOLE 4.08 IN
 BOTTOM OF TUBING OR PIPE NA FT CEMENT/MUD TYPE API CLASS A, NEAT
 NO. OF SACKS 6 YIELD 1.18 CU. FT/SK. VOL. PUMPED 7.08 CU. FT
 SLURRY WEIGHT 15.2 LBS/GAL TOP OF PLUG ** FT
 BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
** CEMENT WAS PUMPED INTO SCREENED AREA THROUGH RETAINER SET AT 58.33 FT (TOP).

ZONE 2 TYPE PLUG CONTINUOUS CEMENT
 INTERVAL 59.33 TO SURFACE DIAMETER OF CASING/HOLE 4.08 I.D. IN
 BOTTOM OF TUBING OR PIPE 58.2 FT CEMENT/MUD TYPE CLASS A WITH 8% OF BENTONITE
 NO. OF SACKS 3 YIELD 1.86 CU. FT/SK. VOL. PUMPED 5.4 CU. FT
 SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG G.L. FT
 BRIDGE PLUG TYPE WESTERN WSV RETAINER DEPTH 59.83 TO 58.33 FT

REMARKS

PLUGGING REPORT

(PAGE 1 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 DECONTO/WC BRANDON	

NOTIFICATION OF REGULATORY AGENCY DATE 10/21/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON

CEMENTING COMPANY THE WESTERN CO. SERVICE ENGINEER / REP. M.W. SMITH

DISPOSAL OF FLUIDS

BY POOL CO. DATE 10/23/88

QUANTITY 185 BBL FLUID TYPE BRINE

REMARKS

COLLECTION AND DISPOSAL OF BRINE STARTED ON 10/21 AND WENT UNTIL 10/23/88.

ZONE 1 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 2505 TO 1348.6 DIAMETER OF CASING/HOLE 6 5/8 IN

BOTTOM OF TUBING OR PIPE 2496 FT CEMENT/MUD TYPE CLASS A, 8% BENTONITE

NO. OF SACKS 162.5 YIELD 1.86 CU. FT/SK. VOL. PUMPED 302 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 1348.6 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

OBSTRUCTION AT TOP OF RISER PIPE, 2505 FT (SEE TEXT). DOTD GRANTED VARIENCE TO PLUG ABOVE OBSTRUCTION (10/24/88). WELL TOOK CEMENT. ALLOWED 12 HOURS TO CURE BEFORE PUMPING SUBSEQUENT PLUG.

ZONE 2 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 1348.6 TO 138.3 FT DIAMETER OF CASING/HOLE 6 5/8 IN

BOTTOM OF TUBING OR PIPE 1348.6 FT CEMENT/MUD TYPE CLASS A, WITH 8% BENTONITE

NO. OF SACKS 155 YIELD 1.86 CU. FT/SK. VOL. PUMPED 288.3 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 138.3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

WELL TOOK CEMENT. ALLOWED 12 HOURS TO CURE BEFORE PUMPING SUBSEQUENT PLUG.

PLUGGING REPORT

(PAGE 2 OF 2)

DATE		DATUM ELEVATION 223.76
CLIENT DOE / SRPO		J.O. No. 17500.26
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH - 6A	DATE 10/23/88
		TFSC FIELD REPRESENTATIVE RT DECONTO/WC BRANDON

ZONE 3 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 138.3 TO 3 FT DIAMETER OF CASING/HOLE 6 5/8 IN

BOTTOM OF TUBING OR PIPE 138.3 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 17 YIELD 1.86 CU. FT/SK. VOL. PUMPED 31.62 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

ZONE * TYPE PLUG 6 5/8-10 3/4 CASING ANNULUS

INTERVAL 42 TO 3 FT DIAMETER OF CASING/HOLE NA IN

BOTTOM OF TUBING OR PIPE 40.25 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 7 YIELD 1.86 CU. FT/SK. VOL. PUMPED 13.02 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

ANNULUS FROM 314 FT TO 42 FT WAS FILLED WITH 87 SACKS OF SAND.

ZONE * TYPE PLUG 10.75-26 FT CASING ANNULUS

INTERVAL 10 TO 3 FT DIAMETER OF CASING/HOLE NA IN

BOTTOM OF TUBING OR PIPE 9.5 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 8 YIELD 1.86 CU. FT/SK. VOL. PUMPED 14.88 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

PLUGGING REPORT

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 224.54
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LVH-6B	DATE 10/26/88	
NOTIFICATION OF REGULATORY AGENCY		DATE <u>10/25/88</u>	
AGENCY <u>OFFICE OF CONSERVATION</u>		REPRESENTATIVE <u>A.L. THORNTON</u>	
CEMENTING COMPANY <u>WESTERN CO.</u>		SERVICE ENGINEER / REP. <u>DAVID DUNCAN</u>	
TFSC FIELD REPRESENTATIVE W. BRANDON			
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			
ZONE <u>1</u>			
INTERVAL <u>1786.1 TO 3 FT</u>		TYPE PLUG <u>CONTINUOUS CEMENT</u>	
BOTTOM OF TUBING OR PIPE <u>1786.1</u> FT		DIAMETER OF CASING/HOLE <u>6 5/8</u> IN	
NO. OF SACKS <u>244</u>		CEMENT/MUD TYPE <u>CLASS A WITH 8% BENTONITE</u>	
YIELD <u>1.86</u> CU. FT/SK.		VOL. PUMPED <u>453.84</u> CU. FT	
SLURRY WEIGHT <u>13.2</u> LBS/GAL		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</u>			
<u>ABOVE OBSTRUCTION(10/24/88). WELL TOOK CEMENT. MOST LIKELY WENT BEYOND OBSTRUCTION</u>			
<u>INTO SCREEN/RISER PIPE.</u>			
ZONE _____			
INTERVAL _____		TYPE PLUG _____	
BOTTOM OF TUBING OR PIPE _____ FT		DIAMETER OF CASING/HOLE _____ IN	
NO. OF SACKS _____		CEMENT/MUD TYPE _____	
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 224.92	
CLIENT DOE / SRPO	J.O. No. 17500.26
STATE LOUISIANA	DATE 10/21/88
WELL NAME & NUMBER KCI HODGE LVH - 6C	TFSC FIELD REPRESENTATIVE W. BRANDON

NOTIFICATION OF REGULATORY AGENCY _____ DATE 10/20/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M. SMITH

DISPOSAL OF FLUIDS

BY POOL CO. DATE 10/22/88

QUANTITY 31 BBLs FLUID TYPE BRINE

REMARKS

COLLECTION AND DISPOSAL OF BRINE STARTED ON 10/21 AND WENT UNTIL 10/22/88.

ZONE 1 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 868.6' TO SURFACE DIAMETER OF CASING/HOLE 6 5/8 IN

BOTTOM OF TUBING OR PIPE 868.6 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 95 YIELD 1.86 CU. FT/SK. VOL. PUMPED 176.7 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 113 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

OBSTRUCTION AT TOP OF RISER PIPE. 686.6 FT (SEE TEXT). DOTD GRANTED VARIANCE TO PLUG ABOVE OBSTRUCTION. WELL TOOK CEMENT.

ZONE 2 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 113 TO SURFACE DIAMETER OF CASING/HOLE 6 5/8 IN

BOTTOM OF TUBING OR PIPE 113 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 12 YIELD 1.86 CU. FT/SK. VOL. PUMPED 22.32 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG G.L. FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

THE ZONE 2 PLUG WAS NECESSARY BECAUSE THE WELL TOOK CEMENT OVERNIGHT.

PLUGGING REPORT

CLIENT <u>DOE / SRPO</u>		J.O. No. <u>17500.26</u>	DATUM ELEVATION <u>221.64</u>
STATE <u>LOUISIANA</u>	WELL NAME & NUMBER <u>KCI HODGE LVH- 6WS</u>	TFSC FIELD REPRESENTATIVE <u>W. BRANDON</u>	

NOTIFICATION OF REGULATORY AGENCY DATE 10/22/88
 AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON
 CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M.W. SMITH

DISPOSAL OF FLUIDS

BY NA DATE / /
 QUANTITY NA FLUID TYPE FRESH

REMARKS

ZONE 1 TYPE PLUG SAND 20 - 40 MESH
 INTERVAL 93.51 TO 37.75 FT DIAMETER OF CASING/HOLE 4.127 IN
 BOTTOM OF TUBING OR PIPE NA FT CEMENT/MUD TYPE SAND
 NO. OF SACKS 5 YIELD * CU. FT/SK. VOL. PUMPED ** CU. FT
 SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 37.75 FT
 BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

* 11.15 LF/SK; ** AMT. PLACED 55.76 LN FT.

SAND GRAVITY FED INTO WELL.

ZONE 2 TYPE PLUG CONTINUOUS CEMENT
 INTERVAL 37.75 TO SURFACE DIAMETER OF CASING/HOLE 4.127 (I.D.) IN
 BOTTOM OF TUBING OR PIPE 37 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE
 NO. OF SACKS 3 YIELD 1.86 CU. FT/SK. VOL. PUMPED 5.58 CU. FT
 SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG G.L. FT
 BRIDGE PLUG TYPE SAND PLUG DEPTH SEE ZONE 1

REMARKS

PLUGGING REPORT

(PAGE 1 OF 2)

DATUM ELEVATION 325.57	
CLIENT DOE / SRPO	J.O. No. 17500.26
DATE 09/20/88	
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH - 7A
TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	

NOTIFICATION OF REGULATORY AGENCY DATE 09/19/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. 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" CASING ANNULUS

INTERVAL 58.14 TO G.L. 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. PUMPED 40.9 CU. FT

SLURRY WEIGHT 13.3 LBS/GAL TOP OF PLUG G.L. FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

ANNULUS WAS SOUNDED TO 95', BUT COULD ONLY GET THE 1.0" TUBING TO 58.14'.

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 CU. FT/SK. VOL. PUMPED 19.5 CU. FT

SLURRY WEIGHT 13.3 LBS/GAL TOP OF PLUG G.L. FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

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 KCI HODGE LH - 7A	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	

ZONE 2 TYPE PLUG CONTINUOUS 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 <u>DOE / SRPO</u>	J.O. No. <u>17500.26</u>	
DATE <u>09/19/88</u>		
STATE <u>LOUISIANA</u>	WELL NAME & NUMBER <u>KCI HODGE LH - 7B</u>	TFSC FIELD REPRESENTATIVE <u>R. KRANES</u>

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 CONTINUOUS 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 8% 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)

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 326.27
STATE LOUISIANA		WELL NAME & NUMBER KCI HODGE LH - 7B	
DATE 09/19/88		TFSC FIELD REPRESENTATIVE R. KRANES	

ZONE * TYPE PLUG CONTINUOUS CEMENT - ANNULUS
 INTERVAL 35 FT. TO G.L. DIAMETER OF CASING/HOLE 6 5/8 IN 20
 BOTTOM OF TUBING OR PIPE 35 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE
 NO. OF SACKS 35.0 YIELD 1.86 CU. FT/SK. VOL. PUMPED 65.1 CU. FT
 SLURRY WEIGHT 13.3 LBS/GAL TOP OF PLUG G.L. FT
 BRIDGE PLUG TYPE NA DEPTH NA
 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

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

CLIENT <u>DOE / SRPO</u>		J.O. No. <u>17500.26</u>	DATUM ELEVATION <u>329.47</u>
STATE <u>LOUISIANA</u>	WELL NAME & NUMBER <u>KCI HODGE LH - 7WS</u>	DATE <u>10/31/88</u> TFSC FIELD REPRESENTATIVE <u>R. KRANES</u>	

NOTIFICATION OF REGULATORY AGENCY _____ DATE 09/20/88
 AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON
 CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M. SMITH

DISPOSAL OF FLUIDS
 BY NA DATE / /
 QUANTITY NA FLUID TYPE FRESH

REMARKS

ZONE 1 TYPE PLUG SAND PLUG
 INTERVAL 589.8 TO 460.24 DIAMETER OF CASING/HOLE 4.5 IN
 BOTTOM OF TUBING OR PIPE 454 FT CEMENT/MUD TYPE 20-40 MESH SAND
 NO. OF SACKS 12 YIELD * CU. FT/SK. VOL. PUMPED ** CU. FT
 SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 460.24 FT
 BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

* 10.79 LN.FT./SK. ** 129.56 LN.FT. SAND GRAVITY FED THROUGH 2 3/8" TUBING.

ZONE 2 TYPE PLUG CONTINUOUS CEMENT
 INTERVAL 460.24 TO 3 FT DIAMETER OF CASING/HOLE 4.5 - 6 5/8 * IN
 BOTTOM OF TUBING OR PIPE 459 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE
 NO. OF SACKS 47 YIELD 1.86 CU. FT/SK. VOL. PUMPED 87.42 CU. FT
 SLURRY WEIGHT 13.27 LBS/GAL TOP OF PLUG 3 FT
 BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

* 4 1/2" RISER PIPE (460 - 410.35) 6 5/8" CASING (410 - 3)

PLUGGING REPORT

(PAGE 1 OF 2)

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 270
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17A	DATE 10/28/88	
TFSC FIELD REPRESENTATIVE L. TYRALA			

NOTIFICATION OF REGULATORY AGENCY DATE 10/27/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M. SMITH

DISPOSAL OF FLUIDS

BY POOL CO. DATE 10/28/88

QUANTITY 60 BBLs FLUID TYPE BRINE

REMARKS

ZONE 1 TYPE PLUG SAND PLUG

INTERVAL 2022 TO 1959.65 FT DIAMETER OF CASING/HOLE 6 5/8 IN

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

NO. OF SACKS 3 YIELD * CU. FT/SK. VOL. PUMPED ** CU. FT

SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 1959.65 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

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

ZONE 2 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 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% BENTONITE

NO. OF SACKS 204 YIELD 1.86 CU. FT/SK. VOL. PUMPED 379.44 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE SAND DEPTH SEE ZONE 1

REMARKS

CEMENT PUMPED AGAINST SAND PLUG IN SCREEN.

PLUGGING REPORT

(PAGE 2 OF 2)

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 270
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17A	DATE 10/28/88	
TFSC FIELD REPRESENTATIVE L. TYRALA			

ZONE * TYPE PLUG SAND - 6 5/8 - 10 3/4" CASING

INTERVAL 401 TO 22 FT. DIAMETER OF CASING/HOLE NA IN

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

NO. OF SACKS 60 YIELD ** CU. FT/SK. VOL. PUMPED *** CU. FT

SLURRY WEIGHT NA LBS/GAL TOP OF PLUG 22 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
PLUGGING OF INNER ANNULUS REQUIRED SANDING TO 22 FT. DUE TO LACK OF SPACE FOR TREMIE
PIPE. ** 6.32 CF/SK *** 379 LN.FT.

ZONE * TYPE PLUG CEMENT 6 5/8 - 10 3/4" CASING ANNUL.

INTERVAL 22 TO 3 FT. DIAMETER OF CASING/HOLE NA IN

BOTTOM OF TUBING OR PIPE 21.7 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 4.5 YIELD 1.86 CU. FT/SK. VOL. PUMPED 8.37 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
CEMENT PUMPED ON TOP OF SAND PLUG.

ZONE * TYPE PLUG CEMENT- 10 3/4 - 20" CASING ANNULUS

INTERVAL 24 TO 3 FT. DIAMETER OF CASING/HOLE NA IN

BOTTOM OF TUBING OR PIPE 23.8 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 23.1 YIELD 1.86 CU. FT/SK. VOL. PUMPED 42.97 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
ANNULUS BETWEEN CONDUCTOR PIPE AND SURFACE CASING.

PLUGGING REPORT

(PAGE 1 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

NOTIFICATION OF REGULATORY AGENCY

DATE 09/26/88AGENCY OFFICE OF CONSERVATIONREPRESENTATIVE A.L. THORNTONCEMENTING COMPANY WESTERN CO.SERVICE ENGINEER / REP. D. DUNCAN

DISPOSAL OF FLUIDS

BY POOL CO.DATE 09/26/88QUANTITY 50 BBLsFLUID TYPE BRINE

REMARKS

ZONE 1TYPE PLUG SANDINTERVAL 1372.94' TO 1298.35'DIAMETER OF CASING/HOLE 4 IN

BOTTOM OF TUBING OR PIPE _____ FT

CEMENT/MUD TYPE SAND 20 - 40 MESHNO. OF SACKS 7YIELD *

CU. FT/SK.

VOL. PUMPED **

CU. FT

SLURRY WEIGHT NA LBS/GALTOP OF PLUG 1298.35 FTBRIDGE PLUG TYPE NADEPTH NA

REMARKS

* 10.66 LN.FT/SK ** TREMIED 74.59 LN.FT.ZONE 2TYPE PLUG CONTINUOUS CEMENTINTERVAL 1298.35 TO 91.6 FT.DIAMETER OF CASING/HOLE 6 5/8 INBOTTOM OF TUBING OR PIPE 1298 FTCEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 254.7YIELD 1.86

CU. FT/SK.

VOL. PUMPED 137

CU. FT

SLURRY WEIGHT 13.2 LBS/GAL

TOP OF PLUG _____ FT

BRIDGE PLUG TYPE SANDDEPTH SEE ZONE 1

REMARKS

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

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 270.38	
CLIENT DOE / SRPO	J.O. No. 17500.26
STATE LOUISIANA	WELL NAME & NUMBER KCI HODGE LH-17WS
TFSC FIELD REPRESENTATIVE R. KRANES	
NOTIFICATION OF REGULATORY AGENCY AGENCY <u>OFFICE OF CONSERVATION</u> REPRESENTATIVE <u>A.L. THORNTON</u> CEMENTING COMPANY <u>WESTERN CO.</u> SERVICE ENGINEER / REP. <u>N.P. WORNOK</u>	
DATE <u>09/22/88</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</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>CONTINUOUS 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 88 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

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 280.84
STATE LOUISIANA	WELL NAME & NUMBER A.K.C. RAYFORD V4	TFSC FIELD REPRESENTATIVE R. KRANES	

NOTIFICATION OF REGULATORY AGENCY _____ DATE / /
 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
** NOTIFICATION NOT REQUIRED PER INSTRUCTION OF THE STATE " OFFICE OF CONSERVATION.
THE WELL WAS NOT PREVIOUSLY REGISTERED.

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
SANDING OF SCREEN REQUIRED ONLY 93.35# TO COVER SCREEN. 200 # OF SAND WERE PLACED
IN SCREEN AND RISER PIPE. TOP OF SAND PLUG WAS UNMEASUREABLE BECAUSE TUBING WOULD NOT
GO THROUGH TOP OF RISER PIPE.* UNKNOWNNN

ZONE 2 _____ TYPE PLUG CONTINUOUS 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
*DEPTH TO TOP OF SAND PLUG COULD NOT BE MEASURED (SEE ABOVE). VOLUME OF CEMENT PUMPED
WAS SUFFICIENT TO FILL FULL LENGTH OF RISER PIPE AND CASING COMBINED.

PLUGGING REPORT

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 239.52
STATE LOUISIANA	WELL NAME & NUMBER E.H.S.CONNELL V-5	TFSC FIELD REPRESENTATIVE JOEL Q. KANTOLA	

NOTIFICATION OF REGULATORY AGENCY DATE / /
 AGENCY STATE OFFICE OF CONSERVATION REPRESENTATIVE *
 CEMENTING COMPANY SOUTHWESTERN LABS. SERVICE ENGINEER / REP. RICHARD BOYD

DISPOSAL OF FLUIDS

BY POOL Co. DATE 01/10/89
 QUANTITY 6 BBLs. FLUID TYPE BRINE

REMARKS

*FOR PREVIOUSLY UNREGISTERED WELL SWEC WAS INSTRUCTED BY STATE OFFICE OF CONSERVATION NOT TO NOTIFY LOCAL FIELD INSPECTOR.

ZONE 1 TYPE PLUG SAND
 INTERVAL 403.5 TO 367.36 FT. DIAMETER OF CASING/HOLE * IN
 BOTTOM OF TUBING OR PIPE 356.66' FT CEMENT/MUD TYPE SAND SAND 20-40 MESH
 NO. OF SACKS 11 YIELD 0.93 CU. FT/SK. VOL. PUMPED 10.2 CU. FT
 SLURRY WEIGHT 14.3 LBS/GAL TOP OF PLUG 367.36 FT
 BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

*4 7/8" OPEN HOLE BELOW SCREEN (403.5' TO 387.0') AND 3.0" O.D. SCREEN & RISER PIPE (387.0' TO 367.36').

ZONE 2 TYPE PLUG CONTINUOUS CEMENT
 INTERVAL 367.36' TO SURFACE DIAMETER OF CASING/HOLE ** IN
 BOTTOM OF TUBING OR PIPE 364.62* FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE
 NO. OF SACKS 33 YIELD 1.86 CU. FT/SK. VOL. PUMPED 61.38 CU. FT
 SLURRY WEIGHT 13.0 - 13.1* LBS/GAL TOP OF PLUG SURF. FT
 BRIDGE PLUG TYPE SAND PLUG DEPTH SEE ZONE 1

REMARKS

* PUMPED 23 SK W/ TUBING @ 364.62' & WT.-13.0 LB./GAL.; PUMPED 10 SK W/ TUBING @ 337.05' & WT.- 13.1 LB./GAL.. ** 3.0" O.D. RISER PIPE (367.36' TO 356.0') & 5.0" O.D. CASING (356.0' TO SURFACE).

PLUGGING REPORT

CLIENT <u>DOE / SRPO</u>		J.O. No. <u>17500.26</u>	DATUM ELEVATION <u>219.29</u>
STATE <u>LOUISIANA</u>	WELL NAME & NUMBER <u>G.P. THEUS V-6</u>	DATE <u>10/25/88</u> TFSC FIELD REPRESENTATIVE <u>C.A. FOSTER</u>	

NOTIFICATION OF REGULATORY AGENCY _____ DATE 10/25/88
 AGENCY OFFICE OF CONSERVATION REPRESENTATIVE BAY THORNTON
 CEMENTING COMPANY _____ SERVICE ENGINEER / REP. _____

DISPOSAL OF FLUIDS
 BY POOL CO. DATE 10/25/88
 QUANTITY 15 BBLs FLUID TYPE BRINE

REMARKS
COMMERCIAL FACILITY - FISSETTE #1

ZONE 1 TYPE 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 1 TYPE PLUG CONTINUOUS CEMENT
 INTERVAL 603 TO SURFACE DIAMETER OF CASING/HOLE 5 1/2 IN
 BOTTOM OF TUBING OR PIPE 596 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE
 NO. OF SACKS 46 YIELD 1.89 CU. FT/SK. VOL. PUMPED 87 CU. FT
 SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG G.L. FT
 BRIDGE PLUG TYPE NA DEPTH NA

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

PLUGGING REPORT

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 225.99
STATE LOUISIANA	WELL NAME & NUMBER E.H.S. CONNELL V-7	TFSC FIELD REPRESENTATIVE R.T. DECONTO	

NOTIFICATION OF REGULATORY AGENCY _____ DATE ____/____/____

AGENCY * _____ REPRESENTATIVE NA

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. R. BOYD

DISPOSAL OF FLUIDS

BY POOL CO. DATE 09/09/88

QUANTITY 14 BBLs FLUID TYPE BRINE

REMARKS

* INSTRUCTED BY STATE OFFICE OF CONSERVATION TO PLUG WITHOUT NOTIFICATION OF LOCAL

O.C. INSPECTOR.

ZONE 1 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 742 TO 3 FT DIAMETER OF CASING/HOLE 5 1/2 O.D. IN

BOTTOM OF TUBING OR PIPE 742 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 77 YIELD 1.86 CU. FT/SK. VOL. PUMPED 143.22 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

DOTD GRANTED A VARIENCE TO PLUG THIS WELL FROM THE TOP OF THE OBSTRUCTION TO 3 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

DATUM ELEVATION 229.64	
CLIENT DOE / SRPO	J.O. No. 17500.26
STATE LOUISIANA	DATE 10/31/88
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

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.

ZONE 2 TYPE PLUG CONTINUOUS 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.

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 CONTINENTAL F.I #1	TFSC FIELD REPRESENTATIVE L. TYRALA	

NOTIFICATION OF REGULATORY AGENCY DATE 11/01/88

AGENCY OFFICE OF CONSERVATION REPRESENTATIVE A.L. THORNTON

CEMENTING COMPANY WESTERN CO. SERVICE ENGINEER / REP. M.W. SMITH

DISPOSAL OF FLUIDS

BY POOL CO. DATE 11/03/88

QUANTITY 47 BBLs FLUID TYPE BRINE

REMARKS

BRINE DISPOSAL STARTED ON 11/1/88 AND FINISHED ON 11/3/88.edit

ZONE 1 TYPE PLUG BALANCE PLUG

INTERVAL 478.4 TO 339.6 FT DIAMETER OF CASING/HOLE 9 5/8 O.D. IN

BOTTOM OF TUBING OR PIPE 478.4 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 50 YIELD 1.86 CU. FT/SK. VOL. PUMPED 93 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 339.6 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS

THIS IS A BLANCE PLUG WITH MINIMUM OF 50 FT BELOW CASING AND 50 FT UP INTO CASING
CASING BOTTOM AT 424 FT.. PUMP DATE 11/01/88.

ZONE 2 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 339.6 TO 50 FT DIAMETER OF CASING/HOLE 9 5/8 IN

BOTTOM OF TUBING OR PIPE 339 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 85 YIELD 1.86 CU. FT/SK. VOL. PUMPED 158.1 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 50 FT

BRIDGE 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)

DATE		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 3 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 50 TO 3 FT DIAMETER OF CASING/HOLE 9 5/8 IN

BOTTOM OF TUBING OR PIPE 50 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 22 YIELD 1.86 CU. FT/SK. VOL. PUMPED 40.92 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 3 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
PUMP DATE 11/03/88.

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 11/06/88AGENCY OFFICE OF CONSERVATIONREPRESENTATIVE A.L. THORNTONCEMENTING COMPANY WESTERN CO.SERVICE ENGINEER / REP. N.T. WARNOCK

DISPOSAL OF FLUIDS

BY POOL CO.DATE 11/08/88QUANTITY 125FLUID TYPE BRINE

REMARKS

ZONE 1TYPE PLUG BALANCE PLUGINTERVAL 1028 TO 843DIAMETER OF CASING/HOLE 9 5/8 INBOTTOM OF TUBING OR PIPE 1028 FTCEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 55YIELD 1.86 CU. FT/SK.VOL. PUMPED 102.3 CU. FTSLURRY WEIGHT 13.2 LBS/GALTOP OF PLUG 843 FTBRIDGE PLUG TYPE NADEPTH NA

REMARKS

THIS IS A BLANCE PLUG WITH A MINIMUM OF 50 FT BELOW AND 50 FT UP INTO CASING WITH
BASE OF CASING AT 972. PUMP DATE 11/07/88.

ZONE 2TYPE PLUG CONTINUOUS CEMENTINTERVAL 843 TO 597.23 FTDIAMETER OF CASING/HOLE 9 5/8 INBOTTOM OF TUBING OR PIPE 843 FTCEMENT/MUD TYPE CLASS A WITH 8% BENTONITENO. OF SACKS 62YIELD 1.86 CU. FT/SK.VOL. PUMPED 115 CU. FTSLURRY WEIGHT 13.2 LBS/GALTOP OF PLUG 597.23 FTBRIDGE PLUG TYPE NADEPTH NA

REMARKS

PUMP DATE 11/08/88.

PLUGGING REPORT

(PAGE 2 OF 2)

DATE		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 3 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 602 TO 168.9 DIAMETER OF CASING/HOLE 9 5/8 IN

BOTTOM OF TUBING OR PIPE 596 FT CEMENT/MUD TYPE CLASS A WITH 8% BENTONITE

NO. OF SACKS 150 YIELD 1.86 CU. FT/SK. VOL. PUMPED 362.7 CU. FT

SLURRY WEIGHT 13.2 LBS/GAL TOP OF PLUG 169 FT

BRIDGE PLUG TYPE NA DEPTH NA

REMARKS
CEMENT WAS PUMPED TO SURFACE, BUT FELL TO 168.9 FT OVER NIGHT. PUMP DATE 11/17/88.

ZONE 4 TYPE PLUG CONTINUOUS CEMENT

INTERVAL 168.9 TO 3.0 DIAMETER OF CASING/HOLE 9 5/8" IN

BOTTOM OF TUBING OR PIPE 168 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
PUMP DATE 11/18/88.

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

PERFORATING AND SQUEEZE-CEMENTING REPORT

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 197.75
STATE LOUISIANA	WELL NAME & NUMBER L.P.&L. LH-2WS	DATE 09/15/88	
TFSC FIELD REPRESENTATIVE J.Q. KANTOLA			

ZONE 1

PERFORATING:

COMPANY NA INTERVAL NA FT TO NA FT

CASING GUN DIAMETER NA IN LENGTH NA FT SHOTS/FT NA

PATTERN NA CEMENT RETAINER TYPE WESTERN 4 1/2 IN.

METHOD TENSION DEPTH 59 FT. 10 IN.

REMARKS

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS H NEAT

No. OF SACKS 6 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18

VOLUME PUMPED BEHIND CASING 7.08 CU. FT. VOLUME CIRCULATED OUT NA

PUMPING PRESSURE @ START <50 psi @ FINISH <50 psi

PRESSURE-HOLDING TEST DURATION NA AT NA PRESSURE

REMARKS

SQUEEZED CEMENT INTO SCREEN AREA THROUGH RETAINER. SCREEN AT 61.7 FT TO 134.5 FT.

CEMENTED ON 9/15/88.

ZONE 2

PERFORATING:

COMPANY GEARHART INDUSTRIES INTERVAL 25 FT TO 55 FT

CASING GUN DIAMETER 1.0 IN LENGTH 30 FT SHOTS/FT 2

PATTERN 180 DEG. CEMENT RETAINER TYPE WESTERN 4 1/2 IN.

METHOD TENSION DEPTH 59 FT 10 IN

REMARKS

PERFORATED ON 9/15/88.

CEMENTING:

COMPANY WESTERN CO. OF N.A. CEMENT TYPE CLASS H NEAT

No. OF SACKS 42 ADDITIVES NONE SLURRY UNIT VOL. (CU.FT/SK) 1.18

VOLUME PUMPED BEHIND CASING 49.56 CU.FT. VOLUME CIRCULATED OUT NA

PUMPING PRESSURE @ START GRAVITY @ FINISH UNKNOWN

PRESSURE-HOLDING TEST DURATION NA AT NA PRESSURE

REMARKS

ZONE TOOK 27 SACKS MORE THAN ANTICIPATED. SQUEEZE CEMENTED ON 9/15/88.

PERFORATING AND SQUEEZE-CEMENTING REPORT

CLIENT DOE / SRPO		J.O. No. 17500.26	DATUM ELEVATION 223.76
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 KCI-HODGE LVH-6B	TFSC FIELD REPRESENTATIVE R. KRANES
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

CLIENT		DOE / SRPO	J.O. No.	17500.26	DATUM ELEVATION	224.92
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	
VOLUME PUMPED BEHIND CASING		48.9 CU. FT.		SLURRY UNIT VOL. (CU.FT/SK)	1.18	
PUMPING PRESSURE @ START		<50 PSI		VOLUME CIRCULATED OUT	NA	
PRESSURE-HOLDING TEST DURATION		10 MIN.		@ FINISH	500 PSI	
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		
VOLUME PUMPED BEHIND CASING				SLURRY UNIT VOL. (CU.FT/SK)		
PUMPING PRESSURE @ START				VOLUME CIRCULATED OUT		
PRESSURE-HOLDING TEST DURATION				@ FINISH		
AT				PRESSURE		
REMARKS						

PERFORATING AND SQUEEZE-CEMENTING REPORT

CLIENT		DOE / SRPO	J.O. No.	17500.26	DATUM ELEVATION	227.7
STATE	LOUISIANA	WELL NAME & NUMBER	SMITH et al. NO. 1		DATE	11/09/88
TFSC FIELD REPRESENTATIVE		R. KRANES				

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 LP & 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, & 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 & BRUSH</u>	<u>(2) 24cy 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 11/15/88
STATE LOUISIANA	SITE NAME & NUMBER N.C.RAYFORD 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>

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 01/11/89
STATE LOUISIANA	SITE NAME & NUMBER E.S.CONNELL V-5	TFSC FIELD REPRESENTATIVE J.Q. KANTOLA	

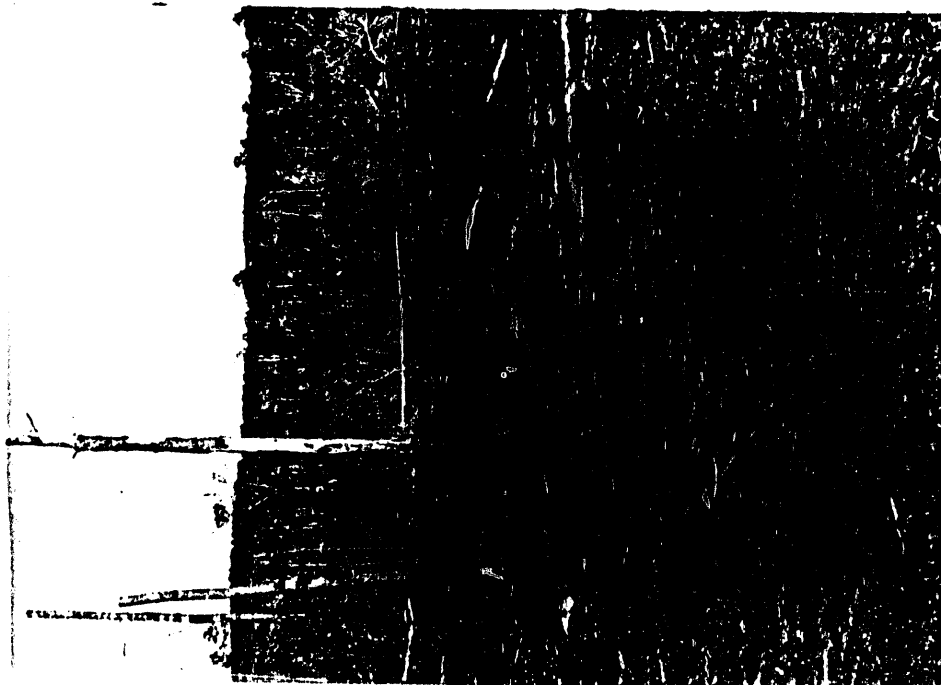
WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>1/10/89 - SEVERED WELL HEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>

PHOTOGRAPH
OF SITE
BEFORE
WELL PLUGGING
(01/04/89)



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



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>

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 11/30/88
STATE LOUISIANA	SITE NAME & NUMBER E.S.CONNELL V-7	TFSC FIELD REPRESENTATIVE J.Q.KANTOLA	

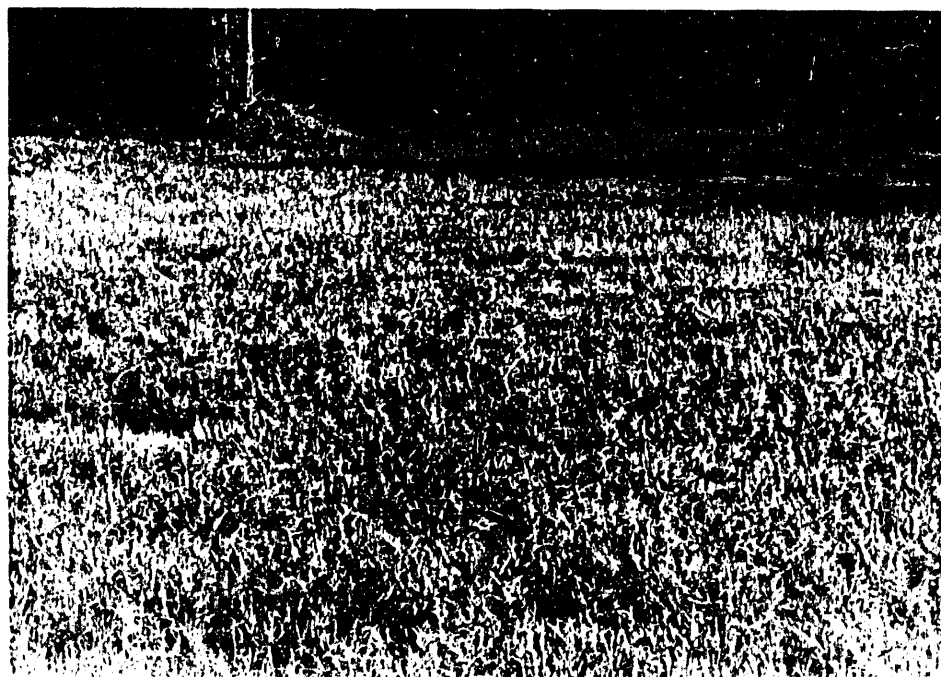
WASTE MATERIAL DOCUMENTATION

DESCRIPTION	QUANTITY	DISPOSITION
<u>9/27/88 - SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>
<u>11/21/88 & 11/30/88- BRUSH & EXCESS FILL</u>	<u>DUMP TRUCKS</u>	<u>NEWT BROWN CONTRACTORS</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 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 & 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 & SEVERED WELLHEAD</u>	<u>1</u>	<u>SOUTHWESTERN LABS</u>
<u>11/21&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 & 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

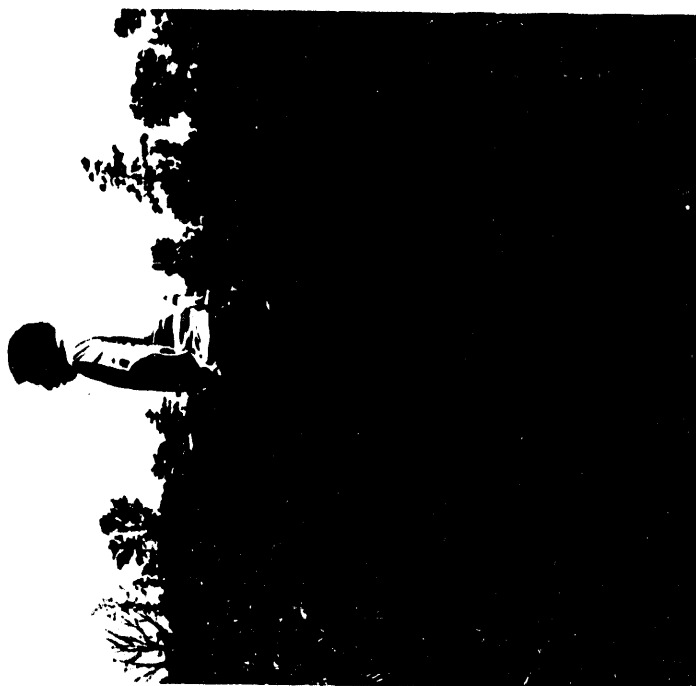
ATTACHMENT 7

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>

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 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)



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)



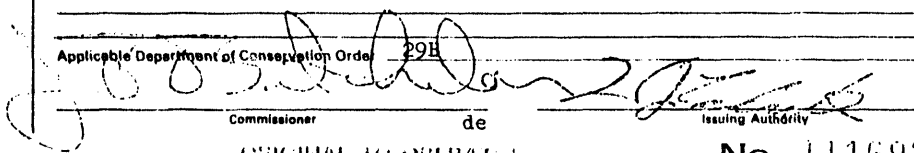
PHOTOGRAPH
OF SITE
AFTER
WELL PLUGGING
(02/08/89)

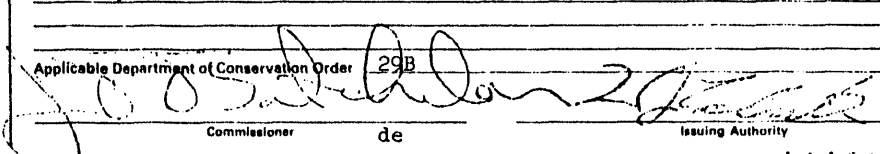


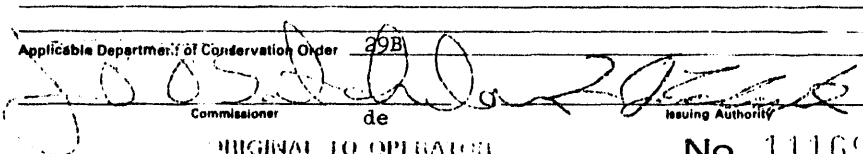
APPENDIX B

STATE DOCUMENTATION

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

DEPT. OF CONSERVATION USE ONLY XXXXX 11 Change 8806 Effective yymm AMENDMENT ACTION 0.0.0. <input type="checkbox"/> PARISH 0.3.4. <input type="checkbox"/> FIELD 0.3.6. <input checked="" type="checkbox"/> OPERATOR 0.1.0. <input type="checkbox"/> LSE-UN 0.1.0. <input type="checkbox"/> UN-LSE 0.1.0. <input type="checkbox"/> LSE-LSE 0.1.0. <input type="checkbox"/> UN-UN 0.1.4. <input type="checkbox"/> WELL NO. 0.2.1. <input type="checkbox"/> LOCATION	FORM MD-15-R (R 2-1978) AMENDED PERMIT TO DRILL FOR MINERALS 165974 Serial No. S Date June 27, 1988 CURRENT CODES 060 PARISH Webster 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MA 02107 WELL NAME DOE LA Power & Light LH 2A No. 1 LOCATION OF WELL: Sec. 3 T 18N R 10W Former Well No. _____ *ERTEC, Inc. Applicable Department of Conservation Order 29B  Commissioner de Issuing Authority ORIGINAL TO OPERATOR	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXX FORMER CODES 1413 No. 111692 A
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DEPT. OF CONSERVATION USE ONLY XXXXXX 11 Change 8806 Effective yymm AMENDMENT ACTION 0.0.0. <input type="checkbox"/> PARISH 0.3.4. <input type="checkbox"/> FIELD 0.3.6. <input checked="" type="checkbox"/> OPERATOR 0.1.0. <input type="checkbox"/> LSE-UN 0.1.0. <input type="checkbox"/> UN-LSE 0.1.0. <input type="checkbox"/> LSE-LSE 0.1.0. <input type="checkbox"/> UN-UN 0.1.4. <input type="checkbox"/> WELL NO. 0.2.1. <input type="checkbox"/> LOCATION	FORM MD-15-R (R 2-1978) AMENDED PERMIT TO DRILL FOR MINERALS 165975 Serial No. S Date June 27, 1988 CURRENT CODES 060 PARISH Webster 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MA 02107 WELL NAME DOE LA Power & Light LH 2B No. 1 LOCATION OF WELL: Sec. 3 T 18N R 10W Former Well No. _____ *ERTEC, Inc. Applicable Department of Conservation Order 29B  Commissioner de Issuing Authority ORIGINAL TO OPERATOR	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXX FORMER CODES 1413 No. 111693 A
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DEPT. OF CONSERVATION USE ONLY XXXXXX 11 Change 8806 Effective yymm AMENDMENT ACTION 0.0.0. <input type="checkbox"/> PARISH 0.3.4. <input type="checkbox"/> FIELD 0.3.6. <input checked="" type="checkbox"/> OPERATOR 0.1.0. <input type="checkbox"/> LSE-UN 0.1.0. <input type="checkbox"/> UN-LSE 0.1.0. <input type="checkbox"/> LSE-LSE 0.1.0. <input type="checkbox"/> UN-UN 0.1.4. <input type="checkbox"/> WELL NO. 0.2.1. <input type="checkbox"/> LOCATION	FORM MD-15-R (R 2-1978) AMENDED PERMIT TO DRILL FOR MINERALS 165973 Serial No. S Date June 27, 1988 CURRENT CODES 060 PARISH Webster 9715 FIELD Wildcat 6424 OPERATOR Stone & Webster Engin. Corp.* ADDRESS P.O. Box 2325 CITY & STATE Boston, MA 02107 WELL NAME DOE LA Power & Light LH 2WS No. 1 LOCATION OF WELL: Sec. 3 T 18N R 10W Former Well No. _____ *ERTEC, Inc. Applicable Department of Conservation Order 29B  Commissioner de Issuing Authority ORIGINAL TO OPERATOR	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 XXXXX FORMER CODES 1413 No. 111694 A
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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
XXXXX <u>1</u> Change	168160	Serial No. S Date June 27, 1988	Amended Permit \$150.00 XXXXX
8806 Effective vymm	CURRENT CODES 007	PARISH Bienville	FORMER CODES
	9715	FIELD Wildcat	1413
	6424	OPERATOR Stone & Webster Engin. Corp.*	
		ADDRESS P.O. Box 2325	
		CITY & STATE Boston, MS 02107	
AMENDMENT ACTION		WELL NAME DOE Cont Forest Ind LVH-6A No. 1	
0.0.0. (1) PARISH		LOCATION OF WELL: Sec. 35 T 17N R 8W Former Well No.	
0.3.4. (2) FIELD		*ERTEC, Inc.	
0.0.0. (3) OPERATOR			
0.1.0. (4) LSE-UN			
0.1.0. (5) UN-LSE			
0.1.0. (6) LSE-LSE			
0.1.0. (7) UN-UN			
0.1.4. (8) WELL NO.			
5.2.1. (9) LOCATION			
	Applicable Department of Conservation Order 29B		
	Commissioner de		Issuing Authority
	ORIGINAL TO OPERATOR		No. 111680 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
XXXXX <u>1</u> Change	168161	Serial No. S Date June 27, 1988	Amended Permit \$150.00 XXXXX
8806 Effective vymm	CURRENT CODES 007	PARISH Bienville	FORMER CODES
	9715	FIELD Wildcat	1413
	6424	OPERATOR Stone & Webster Engin. Corp.*	
		ADDRESS P.O. Box 2325	
		CITY & STATE Boston, MS 02107	
AMENDMENT ACTION		WELL NAME DOE Cont Forest Ind LVH-6B No. 1	
0.0.0. (1) PARISH		LOCATION OF WELL: Sec. 35 T 17N R 8W Former Well No.	
0.3.4. (2) FIELD		*ERTEC, Inc.	
0.0.0. (3) OPERATOR			
0.1.0. (4) LSE-UN			
0.1.0. (5) UN-LSE			
0.1.0. (6) LSE-LSE			
0.1.0. (7) UN-UN			
0.1.4. (8) WELL NO.			
5.2.1. (9) LOCATION			
	Applicable Department of Conservation Order 29B		
	Commissioner de		Issuing Authority
	ORIGINAL TO OPERATOR		No. 111682 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
XXXXX <u>1</u> Change	168162	Serial No. S Date June 27, 1988	Amended Permit \$150.00 XXXXX
8806 Effective vymm	CURRENT CODES 007	PARISH Bienville	FORMER CODES
	9715	FIELD Wildcat	1413
	6424	OPERATOR Stone & Webster Engin. Corp.*	
		ADDRESS P.O. Box 2325	
		CITY & STATE Boston, MS 02107	
AMENDMENT ACTION		WELL NAME DOE Cont Forest Ind LVH-6C No. 1	
0.0.0. (1) PARISH		LOCATION OF WELL: Sec. 35 T 17N R 8W Former Well No.	
0.3.4. (2) FIELD		*ERTEC, Inc.	
0.0.0. (3) OPERATOR			
0.1.0. (4) LSE-UN			
0.1.0. (5) UN-LSE			
0.1.0. (6) LSE-LSE			
0.1.0. (7) UN-UN			
0.1.4. (8) WELL NO.			
5.2.1. (9) LOCATION			
	Applicable Department of Conservation Order 29B		
	Commissioner de		Issuing Authority
	ORIGINAL TO OPERATOR		No. 111681 A

AMENDED PERMIT TO DRILL FOR MINERALS
FORM MD-15-B

DEPT. OF CONSERVATION USE ONLY XXXXX <input type="checkbox"/> Change 8806 Effective yymm AMENDMENT ACTION <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> LSE-UN <input type="checkbox"/> UN-LSE <input type="checkbox"/> LSE-LSE <input type="checkbox"/> UN-UN <input type="checkbox"/> WELL NO. <input type="checkbox"/> LOCATION	<div style="display: flex; justify-content: space-between;"> <div> FORM MD-15-B (R 2-1979) 166668 CURRENT CODES 007 9715 6424 </div> <div> AMENDED PERMIT TO DRILL FOR MINERALS Serial No. <u>8</u> Date <u>June 27, 1988</u> PARISH <u>Bienville</u> FIELD <u>Wildcat</u> OPERATOR <u>Stone & Webster Engin. Corp.*</u> ADDRESS <u>P.O. Box 2325</u> CITY & STATE <u>Boston, MS 02107</u> WELL NAME <u>DOE Cont Forest Ind LVH-6WS</u> No. <u>1</u> LOCATION OF WELL: Sec. <u>35</u> T <u>17N</u> R <u>8W</u> Former Well No. _____ <u>*ERTEC, Inc.</u> Applicable Department of Conservation Order <u>29B</u> <div style="display: flex; justify-content: space-between;"> <div> Commissioner <u>[Signature]</u> de ORIGINAL TO OPERATOR </div> <div> Issuing Authority <u>[Signature]</u> No. 111683 A </div> </div> </div> </div>
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DEPT. OF CONSERVATION USE ONLY XXXXX <input type="checkbox"/> Change 8806 Effective yymm AMENDMENT ACTION <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> LSE-UN <input type="checkbox"/> UN-LSE <input type="checkbox"/> LSE-LSE <input type="checkbox"/> UN-UN <input type="checkbox"/> WELL NO. <input type="checkbox"/> LOCATION	<div style="display: flex; justify-content: space-between;"> <div> FORM MD-15-B (R 2-1979) 166669 CURRENT CODES 007 9715 6424 </div> <div> AMENDED PERMIT TO DRILL FOR MINERALS Serial No. <u>8</u> Date <u>June 27, 1988</u> PARISH <u>Bienville</u> FIELD <u>Wildcat</u> OPERATOR <u>Stone & Webster Engin. Corp.*</u> ADDRESS <u>P.O. Box 2325</u> CITY & STATE <u>Boston, MS 02107</u> WELL NAME <u>DOE Cont Forest Ind LH-7A</u> No. <u>1</u> LOCATION OF WELL: Sec. <u>5</u> T <u>17N</u> R <u>5W</u> Former Well No. _____ <u>*ERTEC, Inc.</u> Applicable Department of Conservation Order <u>29B</u> <div style="display: flex; justify-content: space-between;"> <div> Commissioner <u>[Signature]</u> de ORIGINAL TO OPERATOR </div> <div> Issuing Authority <u>[Signature]</u> No. 111686 A </div> </div> </div> </div>	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00. XXXXX
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DEPT. OF CONSERVATION USE ONLY XXXXX <input type="checkbox"/> Change 8806 Effective yymm AMENDMENT ACTION <input checked="" type="checkbox"/> PARISH <input checked="" type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> LSE-UN <input type="checkbox"/> UN-LSE <input type="checkbox"/> LSE-LSE <input type="checkbox"/> UN-UN <input type="checkbox"/> WELL NO. <input type="checkbox"/> LOCATION	<div style="display: flex; justify-content: space-between;"> <div> FORM MD-15-B (R 2-1979) 166667 CURRENT CODES 007 9715 6424 </div> <div> AMENDED PERMIT TO DRILL FOR MINERALS Serial No. <u>8</u> Date <u>June 27, 1988</u> PARISH <u>Bienville</u> FIELD <u>Wildcat</u> OPERATOR <u>Stone & Webster Engin. Corp.*</u> ADDRESS <u>P.O. Box 2325</u> CITY & STATE <u>Boston, MS 02107</u> WELL NAME <u>DOE Cont Forest Ind LH-7B</u> No. <u>1</u> LOCATION OF WELL: Sec. <u>8</u> T <u>17N</u> R <u>5W</u> Former Well No. _____ <u>*ERTEC, Inc.</u> Applicable Department of Conservation Order <u>29B</u> <div style="display: flex; justify-content: space-between;"> <div> Commissioner <u>[Signature]</u> de ORIGINAL TO OPERATOR </div> <div> Issuing Authority <u>[Signature]</u> No. 111684 A </div> </div> </div> </div>	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00. XXXXX
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**AMENDED PERMIT TO DRILL FOR MINERALS
FORM MD-15-R**

DEPT. OF CONSERVATION USE ONLY XXXX Change 8806 Effective yymm AMENDMENT ACTION <input type="checkbox"/> PARISH <input type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> LSE-UN <input type="checkbox"/> UN-LSE <input type="checkbox"/> LSE-LSE <input type="checkbox"/> UN-UN <input type="checkbox"/> WELL NO. <input type="checkbox"/> LOCATION	FORM MD-15-R (R 2-1978) AMENDED PERMIT TO DRILL FOR MINERALS 166670 Serial No. S Date June 27, 1988 CURRENT CODES 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 LH-7WS No. 1 LOCATION OF WELL: Sec. 8 T 17N R 5W Former Well No. _____ *ERTEC, Inc. Applicable Department of Conservation Order 29B <div style="display: flex; justify-content: space-between;"> <div>Commissioner</div> <div>Issuing Authority</div> </div>	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 xxxxxx \$75.00
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ORIGINAL TO OPERATOR No. 111685 A

DEPT. OF CONSERVATION USE ONLY XXXXX Change 8806 Effective yymm AMENDMENT ACTION <input type="checkbox"/> PARISH <input type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> LSE-UN <input type="checkbox"/> UN-LSE <input type="checkbox"/> LSE-LSE <input type="checkbox"/> UN-UN <input type="checkbox"/> WELL NO. <input type="checkbox"/> LOCATION	FORM MD-15-R (R 2-1978) AMENDED PERMIT TO DRILL FOR MINERALS 168158 Serial No. S Date June 27, 1988 CURRENT CODES 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 LH-17A No. 1 LOCATION OF WELL: Sec. 12 T 15N R 10W Former Well No. _____ *ERTEC, Inc. Applicable Department of Conservation Order 29B <div style="display: flex; justify-content: space-between;"> <div>Commissioner</div> <div>Issuing Authority</div> </div>	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 xxxxxx \$75.00
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ORIGINAL TO OPERATOR No. 111687 A

DEPT. OF CONSERVATION USE ONLY XXXXX Change 8806 Effective yymm AMENDMENT ACTION <input type="checkbox"/> PARISH <input type="checkbox"/> FIELD <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> LSE-UN <input type="checkbox"/> UN-LSE <input type="checkbox"/> LSE-LSE <input type="checkbox"/> UN-UN <input type="checkbox"/> WELL NO. <input type="checkbox"/> LOCATION	FORM MD-15-R (R 2-1978) AMENDED PERMIT TO DRILL FOR MINERALS 168159 Serial No. S Date June 27, 1988 CURRENT CODES 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 LH-17B No. 1 LOCATION OF WELL: Sec. 12 T 15N R 10W Former Well No. _____ *ERTEC, Inc. Applicable Department of Conservation Order 29B <div style="display: flex; justify-content: space-between;"> <div>Commissioner</div> <div>Issuing Authority</div> </div>	STATE OF LOUISIANA DEPARTMENT OF CONSERVATION Amended Permit \$150.00 xxxxxx \$75.00
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ORIGINAL TO OPERATOR No. 111689 A

**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
	XXXXX 10 Change 8806 Effective yymm	166673 Serial No. CURRENT CODES 007 9715 PARISH 6424 FIELD OPERATOR ADDRESS CITY & STATE	S Date June 27, 1988 Bienville Wildcat Stone & Webster Engin. Corp.* P.O. Box 2325 Boston, MS 02107	Amended Permit \$150.00 XXXXX \$75.00 FORMER CODES 1413
AMENDMENT ACTION 0.0.0. <input type="checkbox"/> PARISH 0.0.1. <input type="checkbox"/> FIELD 0.0.2. <input checked="" type="checkbox"/> OPERATOR 0.1.0. <input type="checkbox"/> LSE-UN 0.1.0. <input type="checkbox"/> UN-LSE 0.1.0. <input type="checkbox"/> LSE-LSE 0.1.0. <input type="checkbox"/> UN-UN 0.1.0. <input type="checkbox"/> WELL NO. 0.2.1. <input type="checkbox"/> LOCATION	WELL NAME DOE Cont Forest Ind LH-17WS 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. 111688 A			

DEPT. OF CONSERVATION USE ONLY	FORM MD-15-R (R 2-1978) Shreve	AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION
	JX Change 7804 Effective yymm	157684 Serial No. CURRENT CODES 007 PARISH FIELD OPERATOR ADDRESS CITY & STATE	4-7-78 Date Bienville Rayburn Salt Dome U. S. Dept of Energy Environmental Studies LSU, Baton Rouge LA	Amended Permit \$75.00 FORMER CODES
AMENDMENT ACTION 0.0.0. <input type="checkbox"/> PARISH 0.0.1. <input type="checkbox"/> FIELD 0.0.2. <input checked="" type="checkbox"/> OPERATOR 0.1.0. <input type="checkbox"/> LSE-UN 0.1.0. <input type="checkbox"/> UN-LSE 0.1.0. <input type="checkbox"/> LSE-LSE 0.1.0. <input type="checkbox"/> UN-UN 0.1.0. <input type="checkbox"/> WELL NO. 0.2.1. <input type="checkbox"/> LOCATION	WELL NAME DOE Continental F I et al No. 1 LOCATION OF WELL: Sec. 31 T 15N R 5W Former Well No. _____ LOCATION: 1649' due W & 602' Due N of NE/C of SE/4 of NW/4 of Sec.31. API # 1701320347 Applicable Department of Conservation Order Commissioner Issuing Authority WELL FILE COPY No. 64806 A			

DEPT. OF CONSERVATION USE ONLY	FORM MD-15-R (R 2-1978) Shreve	AMENDED PERMIT TO DRILL FOR MINERALS		STATE OF LOUISIANA DEPARTMENT OF CONSERVATION
	XX Change 7711 Effective yymm	157091 Serial No. CURRENT CODES 060 9086 PARISH FIELD OPERATOR ADDRESS CITY & STATE	11-8-77 Date Webster Vacherie Dept. of Energy Env. Studies Louisiana State University Baton Rouge LA 70803	Amended Permit \$25.00 FORMER CODES
AMENDMENT ACTION 0.0.0. <input type="checkbox"/> PARISH 0.0.1. <input type="checkbox"/> FIELD 0.0.2. <input checked="" type="checkbox"/> OPERATOR 0.1.0. <input type="checkbox"/> LSE-UN 0.1.0. <input type="checkbox"/> UN-LSE 0.1.0. <input checked="" type="checkbox"/> LSE-LSE 0.1.0. <input type="checkbox"/> UN-UN 0.1.0. <input type="checkbox"/> WELL NO. 0.2.1. <input type="checkbox"/> LOCATION	WELL NAME DOE - Smith et al No. 1 LOCATION OF WELL: Sec. 16 T 17N R 8W Former Well No. _____ LOCATION SAME PREVIOUSLY: U.S. ENERGY RES. & DEV. ADMIN. EPA - Smith et al Applicable Department of Conservation Order 29-B Commissioner Issuing Authority WELL FILE COPY No. 63913 A			

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

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE - CONT. FOREST IND. LVH-6A #1 Sec 35 T 17N R 8W
Field WILDCAT Parish BIENVILLE
Permit Serial No. 168160 Work Permit No. 644/1054-88-1

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 [Signature] District [Stamp] 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. LVH-6B #1 Sec 35 T 17N R 8W
Field WILDCAT Parish BIENVILLE
Permit Serial No. 168161 Work Permit No. 644/1053-88-1

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 [Signature] District [Stamp] 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. LVH-6C #1 Sec 35 T 17N R 8W
Field WILDCAT Parish BIENVILLE
Permit Serial No. 168162 Work Permit No. 644/1052-88-1

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 [Signature] District [Stamp] 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. LVH-6WS #1 Sec 35 T 17N R 8W
Field WILDCAT Parish BIENVILLE
Permit Serial No. 166668 Work Permit No. 644/1051-88-1

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 [Signature] District [Stamp] 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 LP&L LH-2WS #1 Sec 3 T18N R10W

Field WILDCAT Parish WEBSTER

Permit Serial No. 165973 Work Permit No. 1048-88-1

Description of Work PERFORATE SQUEEZE 115-130
TO P&A 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 Q. Kantola Date 9/15/88

Permit Authorized By Frank V. Saint 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 & LIGHT LH-2WS #1 Sec 3 T18N R10W

Field WILDCAT Parish WEBSTER

Permit Serial No. 165973 Work Permit No. 6424/1048-88-1

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 Q. Kantola Date 8/26/88

Permit Authorized By Frank V. Saint 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 & LIGHT LH-2WS #1 Sec 3 T18N R10W

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 Q. Kantola Date 8/26/88

Permit Authorized By Frank V. Saint 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 & LIGHT LH-2A #1 Sec 3 T18N R10W

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 Q. Kantola Date 8/26/88

Permit Authorized By Frank V. Saint 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-17A #1 Sec 12 T 15N R 10W
Field WILDCAT Parish BRENNVILLE
Permit Serial No. 168158 Work Permit No. 1047-88-1
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. 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 CONT. FOREST IND. LH-17B #1 Sec 12 T 15N R 10W
Field WILDCAT Parish BRENNVILLE
Permit Serial No. 168159 Work Permit No. 1046-88-1
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. 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 CONT. FOREST IND. LH-17WS #2 Sec 12 T 15N R 10W
Field WILDCAT Parish BRENNVILLE
Permit Serial No. 166673 Work Permit No. 1057-88-1
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. 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 CONT. FOREST IND. LH-7B #1 Sec B T 17N R 5W
Field WILDCAT Parish BIENVILLE
Permit Serial No. 166667 Work Permit No. SEA 1055-88-1
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 [Signature] 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 CONT. FOREST IND. LH-7WS #1 Sec B T 17N R 5W
Field WILDCAT Parish BIENVILLE
Permit Serial No. 166670 Work Permit No. SEA 1058-88-1
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 [Signature] District SHREVEPORT 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. SEA 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 [Signature] District SHREVEPORT Date 8-26-88

See Instructions On Reverse Side

Form

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

OFFICE OF CONSERVATION INJECTION WELL
LJM DIVISION (PLEASE TYPE) WORK PERMIT

NO. 007359
SERIAL NO. 971964

WELL NAME DOE DEWITT D. HENES LSU-R1A WELL NO. _____
SEC. 31 T. 15N R. 8W FIELD WILDCAT - RAYBURN'S SALT DOME PARISH BIENVILLE

DESCRIPTION OF WORK ABANDON: CEMENT TO T.D (DEPTH FROM G.L.)
(R 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: R.T. DECONTO, CA FOSTER, P.O. BOX 2325 CITY 617
BOSTON, MA 02107 PHONE 617, 589-7058
PERMIT REQUESTED BY C. ALAN FOSTER DATE 12-27-88
SIGNATURE C. Alan Foster
PERMIT AUTHORIZED BY Jamie H. Hitt DATE 6/06/89
1701359015
FORM UIC-17 (FORMERLY UIC-1) SEE INSTRUCTIONS ON REVERSE SIDE REV 3/87

Work Permit
STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE - Continental F.I. et al No. 1 Sec 31 T. 15N R. 8W
Field Rayburn's Salt Dome Parish Bienville
Permit Serial No. 157664 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
City, State & Zip 110 North 23 Mile Ave. Herford, TX 79045

Permit Requested By Richard DeConto Richard DeConto Date 9-6-88
Permit Authorized By Franklin Smith District 2 Date 10-24-88

See Instructions On Reverse Side Form DM-4R Rev.

Work Permit
STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No. DOE - Smith et al. No. 1 Sec 16 T. 17N R. 8W
Field Wachet - 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
City, State & Zip 110 North 23 Mile Ave. Herford, TX 79045

Permit Requested By Richard DeConto Richard DeConto Date 9-6-88
Permit Authorized By Franklin Smith District 2 Date 10-24-88

See Instructions On Reverse Side Form DM-4R Rev.

INJECTION WELL WORK PERMIT FORM UIC - 17

OFFICE OF CONSERVATION
IBM DIVISION (PLEASE TYPE)
WELL NAME DOE N.C. RAYFORD V-4
SEC. 15 T. 17N R. 8W FIELD WILDCAT - VACHERIE SALT DOME PARISH WEBSTER
DESCRIPTION OF WORK ABANDON: Cement from TD (889' 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
PERMIT REQUESTED BY Richard Krane PHONE 617, 589-2082
SIGNATURE Richard Krane DATE 12-23-88
PERMIT AUTHORIZED BY Jamie Mitchell DATE 6/06/89
FORM UIC-17 (FORMERLY UIC-17) SEE INSTRUCTIONS ON REVERSE SIDE REV 3/87

OFFICE OF CONSERVATION
IBM DIVISION (PLEASE TYPE)
WELL NAME DOE E.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 TREATED, CEMENT WILL BE
PUMPED DOWN.
OPERATOR STONE & WEBSTER ENGINEERING CORP.
ADDRESS ATTN: CA FOSTER, 12th FL, GEOTECH, P.O. Box 2325
Boston, MA 02107 PHONE 617, 589-2082
PERMIT REQUESTED BY C. ALAN FOSTER DATE 1-19-89
SIGNATURE C. Alan Foster
PERMIT AUTHORIZED BY Jamie Mitchell DATE 6/06/89
FORM UIC-17 (FORMERLY UIC-17) SEE INSTRUCTIONS ON REVERSE SIDE REV 3/87

OFFICE OF CONSERVATION
IBM DIVISION (PLEASE TYPE)
WELL NAME DOE GP. THEUS V6 (FORMERLY 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, 589-2082
PERMIT REQUESTED BY C. ALAN FOSTER DATE 12-23-88
SIGNATURE C. Alan Foster
PERMIT AUTHORIZED BY Jamie Mitchell DATE 6/06/89
FORM UIC-17 (FORMERLY UIC-17) SEE INSTRUCTIONS ON REVERSE SIDE REV 3/87

OFFICE OF CONSERVATION
IBM DIVISION (PLEASE TYPE)
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. 235.89 FT.) USING
TYPE "A" CEMENT WITH 8% BENTONITE.
OPERATOR STONE & WEBSTER ENGINEERING CORP.
ADDRESS ATTN: R.T. DELONTO, C.A. FOSTER, P.O. Box 2325
Boston, MA 02107 PHONE 617, 589-2082
PERMIT REQUESTED BY C.A. FOSTER DATE 10/31/88
SIGNATURE C. Alan Foster
PERMIT AUTHORIZED BY Jamie Mitchell DATE 12/05/88
FORM UIC-17 (FORMERLY UIC-17) SEE INSTRUCTIONS ON REVERSE SIDE REV 3/87

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

OFFICE OF CONSERVATION

PLUG AND ABANDON REPORT

ORK PERMIT NO. 1050-88-1

WELL SERIAL NO. 165974

DATE WORK FINISHED (MM-DD-YY) 7-22-88

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. RN Rge. 10W
Operator Stoned Webster CODE Well Name DOE LPT Light LH2A Well No. 206
Engin, Corp.
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	<u>6 5/8"</u>	<u>NONE</u>	<u>1662'</u>	<u>0'</u>	<u>17850</u>	<u>pumped</u>
302						
303						
304						

Mud Record: Weight Freshwater Viscosity _____

Remarks: Cut pipe OFF 3' below Surface weld plate
DN

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

Rebe Colvin
WITNESS

Stoned Webster Engin, Corp.
OPERATOR

(Signed) [Signature]
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) 09/27/88

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. 18N Rge. 10W

Operator Stone & Webster Engineering Corp. CODE
6424 Well Name DOE-LA. POWER & LIGHT Well No. 1
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'	} 97	
302	Riser 4 1/2" O.D.	0	595.9'	658.64'		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.

Pete Calvin
WITNESS

Stone & Webster Engineering Corporation
OPERATOR

(Signed) *C. Alan 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

DATE WORK FINISHED (MM-DD-YY) 9-15-88

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. 1 Twp. 18N Rge. 10W

Operator Stone Webster Engin. Corp. Well Name DOE LA Power & Light Well No. 1
LH-2WS

Total Depth 420 Condition of Well 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	4"	NONE	60'	Cement retainer		Pumped
302				Pumped Cement to		"
303			134'	6 5/8"		"
304			Backside square	4 1/2 5/8"		"

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) Earl Hamilton
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. 108160
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} 6424 Well Name DOE-CONT FURTHER Well No. 6A #1 ^{L.V.H.}
Total Depth 2696.98 Condition of Well ABANDON 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 "1/2" PLATE WELDED
ON TOP

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

A. P. Thibault
WITNESS

STONE & WEBSTER ENG-CORP.
OPERATOR

Signed) Richard K. [Signature]
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 CODE 6424 Well Name DOE CONFORT IND. Well No. 1
Total Depth 1831.18 Condition of Well ABANDONED OBSERVATION
WELL - NFAL

CHECK APPROPRIATE BOX:

- ☒ 29 DRY HOLE
☐ 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301	<u>6 3/8"</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" PLATE
WELDED ON TOP-

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

[Signature]
WITNESS

STONE & WEBSTER ENG-CORP.
OPERATOR

(Signed) *[Signature]*
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 CODE 6424 Well Name DOE CONT. FORESTING-
EVA-60 Well No. 1
Total Depth 970' Condition of Well ABANDONED OBSERVATIONAL
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. J. [Signature]
WITNESS

STONE & WEBSTER ENG-CORP.
OPERATOR

(Signed) [Signature]
REPRESENTATIVE

**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. 166668
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. 3W
Operator STONE & WEBSTER CODE 6424 Well Name DEE CANT. FOREST Ind. Well No. 1
Total Depth 93.51 Condition of Well ABANDONED WATER SUPPLY
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>4.57"</u>	<u>NONE</u>	<u>93.51</u>	<u>37.75'</u>	<u>5 AND 5 SK</u>	<u>HERTON DRG. CO.</u>
302			<u>37.75'</u>	<u>3'</u>	<u>3</u>	<u>WESTERN</u>
303						
304						

Mud Record: Weight _____ Viscosity _____

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

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

A.P. [Signature]
WITNESS

STONE & WEBSTER ENG. CORP.
OPERATOR

[Signature]
(Signed) 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) 11-30-88
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. 17N Rge. 5W
Operator STONE + WEBSTER ^{CODE} 6424 Well Name DOE CONT. FOREST IND. Well No. 478
ENY-CORP- # 1
Total Depth 1569 Condition of Well OBSERVATION WELL -
HOLE CLEAN TO BOTTOM SQUEEZED BY OTIS ENY-

CHECK APPROPRIATE BOX:

- ☐ 29 DRY HOLE
☐ 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301	20" CONDUIT	N	1569	1464	9 SAND	HORTON EGYLO
302	12 3/4 SUR-	N	1464	3'	158	WESTERN
303	6 5/8 659	N	95	3'	30	WESTERN
304	4 1/2 LINE 12	N	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" CUI 3' BELOW GR-LEVEL 7/8" PLATE WELDED ON TOP

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

A. P. [Signature]
WITNESS

STONE + WEBSTER ENY-CORP.
OPERATOR

[Signature]
(Signed) 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) 11-30-98
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 Rge. 5W
Operator STONE WEBSTER ENGR. CORP. Well Name DOE. CONT. FOREST Well No. 6H7B
Total Depth 1052' Condition of Well OBSERVATION WELL
HOLE CLEAR - OTIS SOUNDED 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	<u>6 5/8</u>	<u>NONE</u>	<u>1052</u>	<u>932</u>	<u>11 SAND</u>	<u>HORTON'S DRUG CO.</u>
302			<u>932'</u>	<u>3'</u>	<u>89</u>	<u>WESTERN</u>
303	<u>20" CONDUIT</u>		<u>35</u>	<u>3'</u>	<u>35</u>	<u>11</u>
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. P. [Signature]
WITNESS

STONE WEBSTER ENGR. CORP.
OPERATOR

(Signed) Richard Kramer
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 STONE & WEBSTER ^{CODE} 6424 Well Name DOE CONT. FOREST IND Well No. LA-745
ENG-605A

Total Depth 595' Condition of Well OBERVATION WELL- WATER

WELL FOR RIG SUPPLY - HOLE CLEAN N-FAL

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>595'</u>	<u>464'</u>	<u>12</u>	<u>SAND HORTON DR CO.</u>
302	<u>4 1/2</u>	<u>NONE</u>	<u>464'</u>	<u>3'</u>	<u>50</u>	<u>WESTERN</u>
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.S. Thibault
WITNESS

STONE & WEBSTER ENG.
OPERATOR

Richard Kanner
(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

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. 12 Twp. 15N Rge. 10W

Operator STONE & WEBSTER CODE
6424 Well Name DESCOITS FIRESTIND
LH 17A Well No. 1

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

CHECK APPROPRIATE BOX:

☒ 29 DRY HOLE

☐ 30 FORMERLY PRODUCTIVE WELL

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

Mud Record: Weight _____

Viscosity _____

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

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

A. P. Thomas
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. 10146-88-1 WELL SERIAL NO. 168159
DATE WORK FINISHED (MM-DD-YY) 11-21-88
SHEPHERD 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. 13W
Operator STONE & WEBSTER INC. ^{CODE} 6424 Well Name ICE CANT. FERT. Well No. 17B
Total Depth 1377' Condition of Well OBSERVATION WELL N.F.N.
HOLE CLEAN TO BOTTOM - SCUMMED BY OTIS ELEV.

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>HEKTON VIB 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 "3/12" PLATE
WELDED ON TOP

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

A.P. Thomas
WITNESS

STONE & WEBSTER INC.
OPERATOR

(Signed) Richard Thomas
REPRESENTATIVE

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

STATE OF LOUISIANA
OFFICE OF CONSERVATION
PLUG AND ABANDON REPORT

WORK PERMIT NO. 2118-88-1

WELL SERIAL NO. 157684

DATE WORK FINISHED (MM-DD-YY) 12-1-88

SHREVEPORT

DISTRICT

(Three Copies to be Filed with the District Office)

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

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

Operator US. DEPT. OF ENERGY ^{CODE} 6424 Well Name DOF CONTINENTAL Well No. 1

Total Depth 5013 Condition of Well 7 CONDENSED OBSERVATION

WELL - WELL DRILLED TO 5013 SET CSP TO 424'

CHECK APPROPRIATE BOX:

☐ 29 DRY HOLE

☐ 30 FORMERLY PRODUCTIVE WELL

	CASING SIZE	AMOUNT PULLED	CEMENT PLUGS			
			FROM	TO	SACKS	HOW PLACED
301	<u>4 5/8 40'</u>	<u>NONE</u>	<u>340</u>	<u>478</u>	<u>50</u>	<u>WESTERN</u>
302			<u>340</u>	<u>3</u>	<u>107</u>	<u>WESTERN</u>
303						
304						

Mud Record: Weight N/A

Viscosity N/A

Remarks: BOTTOM PLUG 50' OUT + 50' IN - 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. P. Thibault
WITNESS

STONE & WEBSTER LTD - CORP
OPERATOR

(Signed) Richard H. Hance
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. 1166673

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. 15A1

Operator STONE & WEBSTER ENG. ^{CODE} 6424 Well Name DOE CONT FOREST Well No. L-H 17WS

Total Depth 437' Condition of Well OBSERVATION WELL

HOLE CLEANED 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	<u>6 5/8"</u>	<u>N</u>	<u>437</u>	<u>287</u>	<u>15 SAND</u>	<u>HORTON DEY CO.</u>
302	<u>4 1/2"</u>	<u>N</u>	<u>287</u>	<u>3</u>	<u>15</u>	<u>WESTERN</u>
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.

P. P. Z...
WITNESS

STONE & WEBSTER ENG.
OPERATOR

(Signed) Richard K...
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) 11-20-88
SHREVEPORT DISTRICT
(Three Copies to be Filed with the District Office)

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

Field MAC-LITE Parish JEFFERSON Sec. 16 Twp. 14 Rge. 8W
Operator STONE & WEBSTER ENG-CORP Well Name DOE SMITH ET AL 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>9 7/8"</u>	<u>NONE</u>	<u>843</u>	<u>1022</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.

Q.E. Thompson
WITNESS

STONE & WEBSTER ENG-CORP
OPERATOR

Richard H. France
(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 NAME IDENTIFICATION)

NACOTOCH

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

NEW WELL
RECOMPLETION
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

OIL
GAS
OTHER

IF RECOMPLETION

SAME RESERVOIR
DIFFERENT RESERVOIR

DATE COMP. RECOMP.

OR P & A
M O Y

09/27/88

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

RGE

10W

DATE PERMIT ISSUED

06/27/88

DATE SPUNDED

M O Y

DATE READY TO PRODUCE

Observation well
Only

TOTAL DEPTH

1850 Ft.

PTS.

No Plug Back

GROUND ELEVATION

199.57 Ft.

CASING HEAD PLANGE ELEVATION

201.27 Ft.

DISTANCE FROM RKB TO CNP

10.3 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

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

C	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	CHOKER SIZE	PRODUCING METHOD
BOPB	WGP/DAY	CF/DOL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	GOR
PSIG	PSIG		SPB	%
GRAVITY	SNP(SHUT-IN)	COMPANY REPRESENTATIVE	DATE CAUSED	
"API 600" F				

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
4.5" riser	0	Sand Plug					O.C. Representative
4.5" screen	0	1652.13 to			Tremie	9/21/88	
4.5" 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 complete to the best of my knowledge.

Signature: *C. Alan Feltz*

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

List below all important Paleontological or Geological Formation tops, Cap Rock and Silt 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 SAND 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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECOM.
OR P & A
M D Y

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

RGE 10W

DATE PERMIT ISSUED

06/27/88

DATE SPUNDED

☒ M D Y

DATE READY TO PRODUCE
Observation Well
Only

TOTAL DEPTH

751.89

PTS

No Plug Back

GROUND ELEVATION

198.90 Ft.

CASING HEAD FLANGE ELEVATION

200.11 Ft.

DISTANCE FROM RAB TO CNF

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

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 LOSS RUN (CIRCLE LOSS FILED WITH OFFICE OF CONSERVATION)

DATE FILED

CASING, LINER AND TUBING RECORD

C	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										
106										
TUBING SIZE:		DEPTH OF TUBING:		DEPTH OF PACKER(S):						

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
BOPB	MGP/BOV	CF/BOV	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BS&W
PSIG	PSIG	PSIG	BOV	
GRAVITY	BNP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE CAUSED	
"API 600" F	PSIG			

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 5/8" O.D.	0	Surface	655'			09/11/88	Peter Colvin
4 1/2" Liner	0	595.9'	658.64'	97	Pump Down	to	O.C. Representative
4 1/2" Screen	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. S. [Signature]

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
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.
<p><u>NOTE:</u> For more detail on P & A see attached SWEC Plugging Report and Borehole Completion Sketch.</p>			

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

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD

WILDCAT 9715

SERIAL NO

165973

PRODUCING INTERVAL

61.26 to 134.03 ft.

RESERVOIR (COMPANY SAND IDENTIFICATION)

SPARTA

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECD.
OR P & A
M O Y

09/27/88

OPERATOR

Stone & Webster Engineering Corporation

CODE

6424

ADDRESS

P.O. Box 2325
Boston, MA 02107

WELL NAME

DOE-LA. Power & Light LH-2WS

WELL NO

1

PARISH

Webster 060

SEC. 3

TWP 18N

RGE 10W

DATE PERMIT ISSUED

06/27/88

DATE SPUNDED

M O Y

DATE READY TO PRODUCE*

Observation
Well Only

TOTAL DEPTH

420 ft.

PSTO

168.60 ft.

GROUND ELEVATION

197.76 ft.

CASING HEAD PLANGE ELEVATION

199.76 ft. (wo cap)

DISTANCE FROM R&B TO CNP

2.0 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

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 LOSS RUN (CIRCLE LOSS FILED WITH OFFICE OF CONSERVATION)

Gravel Pack Log

DATE FILED

CASING, LINER AND TUBING RECORD

C	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(IN)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
SPD	MCF/DAY	CF/BOUL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSW
PSIG	PSIG	PSIG	SPD	%
GRAVITY	SNP(SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAUGED	
"API/SGP"	PSIG			

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	SACCS	HOW PLACED		
4.48" o.d.	0	surface	58.33'	4	pump down	9/17/88	Peter Colvin
4.48" screen	0	59.83	135.46	6	squeeze	9/15/88	O.C. Representative
4.48" tail pipe 0							
4.48" o.d.	0	20	50	42	Squeeze	9/15/88	

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 complete to the best of my knowledge.

Signature: *Alan Foster*

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
1048-88-1	9/15/88	Western	Set retainer at 59.83' (bottom) Squeeze 6 sacks of cement into screen section.
		Gearhart and Southwestern Laboratories	Perforated 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.
<p>NOTE: For details on P&A see attached Stone & Webster Engineering Corporation Logging Report and Bore Hole Completion Sketch.</p>			

List below all important Paleontological 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

166668

PRODUCING INTERVAL

32.00 to 93.51

RESERVOIR (COMPANY SAND IDENTIFICATION)

Sparta

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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
☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION
☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECOMP.
OR P & A
M S Y
11/15/88

OPERATOR

Stone & Webster Eng. Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

DOE/KCI Hodge Holdings Inc. LVH-6WS
Formerly DOE/Continental Forest Industries/LVH-6WS

WELL NO

No. 1

PARISH

Bienville

SEC.

35

TWP

17N

RGE.

8W

DATE PERMIT ISSUED

8/26/88

DATE SHUDDERED
M S Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PGTS

GROUND ELEVATION

CASING HEAD PLANE ELEVATION

DISTANCE FROM RND TO CNP

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)

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:

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CORR SIZE	PRODUCING METHOD
BOG	MEF/DAY	CF/BOG	/60"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSD W
PSIG	PSIG	PSIG	BOG	
GRAVITY	BNP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE CAUSED	
"API 600" P	PSIG			

PLUG AND ABANDON (P & A) DATA

Casing Size	Amount Pulled	CEMENT PLUG				Date Work Performed	Name of Test Witness - State if Conservation Agent or Offset Operator
		From	To	Sacks	How Placed		
Screen 30 in.	None	93.51	37.75	Sand 5	Tremie		Al Thornton OC
Screen 24 in.	None	37.75	Surface	3	Pump Down		
4 1/2 in.							

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

* 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
1051-88-1	10-22-88	Southwestern Laboratories	Tremie sand into screened section of well from 93.51 to 37.75 ft. 5 sacks.
	10-22-88	Western for Southwestern Laboratories	Cement Plug in 4½ 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 Paleontological or Geological Formation tops, Cap Rock and Self 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 SAND 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

☐ NEW WELL
☐ RECOMPLETION
☒ 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
☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION
☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECD
OR P & A
M O Y
11/16/88

OPERATOR
Stone & Webster Engineering Corp.

CODE
6424

ADDRESS
P.O. Box 2325 Boston, MA 02107
ATTN: C. A. Foster

WELL NAME
DOE/KCI Hodge Holdings, Inc., LVH-6C Formerly DOE Continental Forest Industries LVH 6C

WELL NO
1

PARISH
Bienville

SEC. 35 TWP. 17N RGE. 8W

DATE PERMIT ISSUED
8-26-88

DATE SPUDDED
M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PSIG

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RAB TO CNP

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)
Cement Bond Log, Gamma Ray, Neutron

DATE FILED
Included with report

CASING, LINER AND TUBING RECORD

C	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

GAS VOLUME
BOPD

GOR
MCF/DAY

CHORE SIZE
CF/DOL

PRODUCING METHOD
/64"

FLOWING TUBING PRESSURE
PSIG

SHUT-IN TUBING PRESSURE
PSIG

CASING PRESSURE
PSIG

WATER PRODUCTION
BOPD

SSGW

GRAVITY

API(SHUT-IN)

COMPANY REPRESENTATIVE

DATE CAUSED

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	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

* 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
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.
<p><u>NOTE:</u> 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).</p> <p>* DOTD Granted Variance to Plug Above Obstruction.</p>			

List below all important Paleontological 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

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.

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES

☐ NEW WELL
☐ RECOMPLETION
☒ P & A

☒ 31 INACTIVE DRY HOLE PUT UTIL
☐ 32 INACTIVE DRY HOLE NO PUT UTIL
☐ 36 INACTIVE WAITING ON PIPELINE
☐ 37 INACTIVE WAITING ON MARKET

PRODUCT
☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP RECOMP

OR P & A
M D Y
11/17/88

OPERATOR

Stone & Webster Eng. Corp.

CODE
6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME DOE/KCI Hodge Holdings Inc. LVH-6B formerly

DOE/Continental Forest Industries, LVH6B

WELL NO

1

PARISH

Bienville

SEC 35

TWP 17N

RGE 8W

DATE PERMIT ISSUED

8/26/88

DATE SPUNDED

M D Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PTS

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RAB TO CNP

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

C	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SACKS CEMENT	TEST PRESSURE	HOUSING 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 SET

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKER SIZE	PRODUCING METHOD
SDPS	MGF/DAY	CF/BOE	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SDPS
PSIG	PSIG	PSIG	SPS	%
GRAVITY	SDP(SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAUCED	
"API/SGP" P	PSIG			

PLUG AND ABANDON (P & A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUG				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		
6 5/8 in	None	1786.1 ft	3 ft.	244	Pump Down	10/26/88	Al Thonton 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. Glass Foster 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
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 Fissette 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.
<p>NOTE: See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).</p> <p>* DOTD Granted Variance to Plug Above Obstruction.</p>			

List below all important Paleontological 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

168160

PRODUCING INTERVAL

2537.23 to 2696.98

RESERVOIR (COMPANY SAND IDENTIFICATION)

Austin

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

☐ NEW WELL
☐ RECOMPLETION
☒ P & A

☐ 31 INACTIVE DRY HOLE PUT UTIL.
☐ 32 INACTIVE DRY HOLE NO PUT UTIL.
☐ 36 INACTIVE WAITING ON PIPELINE
☐ 37 INACTIVE WAITING ON MARKET

PRODUCT

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECOMP.

☐ OR P & A
☒ M O Y

11/18/88

OPERATOR

Stone & Webster Eng. Corp.

CODE

6424

ADDRESS

P.O. Box 2325 Boston, MA 02107
ATTN: C.A. Foster

WELL NAME DOE - KCI Hodge Holdings LVH-6A

WELL NO

No.1

Formerly DOE Continental Forest Industries LVH6A

PARISH

Bienville

SEC.

35

TWP

17N

RGE.

8W

DATE PERMIT ISSUED

8/26/88

DATE SPUNDED

☒ M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PSTB

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RKB TO CNP

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 MASET

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)

Cement Bond Log

DATE FILED

Included 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	CHOKE SIZE	PRODUCING METHOD
BOB	MGF/DAY	CF/DGL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BBW
PSIG	PSIG		SPB	%
GRAVITY	BNP(SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAUCED	
*API 60° F	PSIG			

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	None	2505	1348.6	162.5	Pump Down	10-21-88	Al Thornton OC
6 5/8	None	1348.6	138.3	155	Pump Down	10-23-88	Al Thornton OC
6 5/8	None	138.3	3	17	Pump Down	10-24-88	Al Thornton OC

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. A. FosterTitle: 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
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 Paleontological 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

166670

PRODUCING INTERVAL

476.95 to 589.80 (includes 29.9' Blank Sec.)

RESERVOIR (COMPANY SAND IDENTIFICATION)

Sparta

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECD

OR P & A

M O Y

11/30/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

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

RGE. 5W

DATE PERMIT ISSUED

8/29/88

DATE SPUDDED

M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PSTG

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RES TO CMP

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)

Listed on back.

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					
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									

TUBING SIZE

DEPTH OF TUBING

DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
BOB	MCF/DAY	CF/BDL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BS&W
PSIG	PSIG	PSIG	SPD	%
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAUGED	
"API 600" P	PSIG			

PLUS AND ABANDON (P & A) DATA

Casing Size	Amount Pulled	CEMENT PLUS				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 Stone & Webster Engineering 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 FosterTitle: 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 Paleontological or Geological Formation tops, Cap Rock and Self Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD

Wild Cat

SERIAL NO

166667

PRODUCING INTERVAL

943.20 to 958.56 & 975.56 to 1046.97

RESERVOIR (COMPANY SAND IDENTIFICATION)

Carrizo Sand

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECOMP
ON P & A
M O Y

11/30/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

KCI Hodge Holdings, Inc. LH-7B (Formerly DOE Continental F.I. LH-7B)

WELL NO

No. 1

PARISH

Bienville 007

SEC. 8

TWP 17N

RGE. 5W

DATE PERMIT ISSUED

8/26/88

DATE SPUDDED

M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PSD

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?

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)

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	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
SCPD	MGF/DAY	CF/SCF	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSGW
PSIG	PSIG		SPD	%
GRAVITY	ENP(SHUT-IN)	COMPANY REPRESENTATIVE	DATE GAUGED	
*API 60° F				

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" OD	0	889.81	Surface	89	Pump Down	9/19/88	A.L. Thornton
4 1/2" O.D.	0	932.0	889.81				O.C. Representative
4 1/2" Riser Pipe & Screen Section				11	Tremied Sand	9/18/88	
	0	1046.97	932				

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Engineering 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 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
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 SAND 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	<input type="checkbox"/> OIL	IF RECOMPLETION	DATE COMP. RECOMP. OR P & A M D Y
<input type="checkbox"/> NEW WELL	<input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL	<input type="checkbox"/> GAS	<input type="checkbox"/> SAME RESERVOIR	<input type="checkbox"/> DIFFERENT RESERVOIR	11/30/88
<input type="checkbox"/> RECOMPLETION	<input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE	<input checked="" type="checkbox"/> OTHER			
<input type="checkbox"/> P & A	<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET				

OPERATOR	CODE	ADDRESS
Stone & Webster Eng. Corp.	6424	P.O. Box 2325, Boston, MA 02107

WELL NAME	WELL NO
KCI Hodge Holding LH-7A (Formerly DOE Continental F.I. LH-7A)	No. 1

PARISH	SEC	TWP	RGE	DATE PERMIT ISSUED
Bienville	5	17N	5W	8/26/88

DATE SPUNDED M D Y	DATE READY TO PRODUCE	TOTAL DEPTH	PSTG

GROUND ELEVATION	CASING HEAD PLANGE ELEVATION	DISTANCE FROM RHD 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?	WAS DIRECTIONAL SURVEY MADE?	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	DATE FILED

TYPE OF ELECTRICAL OR OTHER LOSS RUN (CIRCLE LOSS 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 of 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	CHOKER SIZE	PRODUCING METHOD
SCPD	MCF/DAY		INCH	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BEER
PSIG	PSIG		SPD	%
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE CAUSED	
"API 60" F	PSIG			

PLUG AND ABANDON (P & A) DATA

Casing Size	Amount Pulled	CEMENT PLUGS				Date Work Performed	Name of Test Witness - State of Conservation Agent or Offset Operator
		From	To	Sacks	How Placed		
6 5/8" CD	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				9	Tremied Sand	9/19/88	
	0	1561.09	1461.51				

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 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
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.
<p>NOTE: See attached SWEC plugging report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).</p>			

List below all important Paleontological 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

166673

PRODUCING INTERVAL

294.00 to 428.48

RESERVOIR (COMPANY SAND 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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECD.
OR P & A
M O Y

11/18/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02104

WELL NAME

KCI Hodge Holdings LH-17WS (Formerly DOE Continental F.I. LH-17WS)

WELL NO

No. 1

PARISH

Bienville 007

SEC.

12

TWP

15N

RGE.

10W

DATE PERMIT ISSUED

8/26/88

DATE SPUDDED

M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

POTD

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RAB TO CNF

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)

Listed on Back

DATE FILED

Filed with this Report

CASING, LINER AND TUBING RECORD

	CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET		SAGGS 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	
BOFD		MCF/DAY		CF/BOE		/64"			
FLOWING TUBING PRESSURE		SHUT-IN TUBING PRESSURE		CASING PRESSURE		WATER PRODUCTION		SSGW	
PSIG		PSIG				BPD		%	
GRAVITY		SNP(SHUT-IN)		COMPANY REPRESENTATIVE		DATE CAUSES			
°API(60° F)		PSIG							

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	SAGGS	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. and 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. Allen Foster*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
1057-88-1	7/21/88	Gearhart Ind.	RmCement 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 8, PTP 1-18-1) and Borehole Completion Sketch (Attachment 6, PTP 1-18-1).			

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

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

WILDCAT
SERIAL NO
168159
PRODUCING INTERVAL
1312' to 1372.94'
RESERVOIR (COMPANY SAND IDENTIFICATION)
Nacatoch

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
☒ NEW WELL
☐ RECOMPLETION
☐ 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
☐ OIL
☐ GAS
☒ OTHER
IF RECOMPLETION
☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR
DATE COMP. RECD.
OR P & A
M S Y
11/19/88

OPERATOR
Stone & Webster Engineering Corp.
CODE
6424
ADDRESS
P.O. Box 2325, Boston, MA 02107

WELL NAME
KCI Hodge Holdings LH-17B (Formerly DOE/Continental F.I. LH-17B)
WELL NO
No. 1

PARISH
Bienville 007
SEC 12 TWP 15N RGE 10W
DATE PERMIT ISSUED
8/26/88

DATE SPUDDED
M S Y
DATE READY TO PRODUCE
TOTAL DEPTH
PSTG
GROUND ELEVATION
CASING HEAD FLANGE ELEVATION
DISTANCE FROM RMB TO CMP

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)
Cement Bond Log/Gravel Pack 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					
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									

TUBING SIZE
DEPTH OF TUBING
DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

Initial Production	Gas Volume	GOR	Choke Size	Producing Method
GOR	MCF/DAY		CF/DOL /64"	
Flowing Tubing Pressure	Shut-In Tubing Pressure	Casing Pressure	Water Production	SSGW
PSIG	PSIG	PSIG	SPD	%
Gravity	BNP (SHUT-IN)	Company Representative	Date Cased	
"API 000" P	PSIG			

PLUG AND ABANDON (P & A) DATA

Casing Size	Amount Pulled	Cement Plug				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	1269.32	Surface	277.8	Pump Down	10/28/88	A.L. Thornton
3 1/2" O.D. Riser	0	1298.35	1269.32				O.C. Representative
Approx. 4 1/2" Riser and Screen Section				7	Tremied Sand		
	0	1372.94	1298.35				

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Engineering 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 Foster* 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
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 SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).			

List below all important Paleontological 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 SAND 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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP RECD
OR P & A
M O Y

11/19/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

KCI Hodge Holdings LH-17A (Formerly DOE/Continental F.I./LH-17A)

WELL NO

No.1

PARISH

Bienville 007

SEC 12

TWP 15N

RGE 10W

DATE PERMIT ISSUED

8/26/88

DATE SPUDDED

M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PSYS

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RGS TO CNP

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)

Cement Bond Log

DATE FILED

Filed with this report.

CASING, LINER AND TUBING RECORD

C	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	CHOKE SIZE	PRODUCING METHOD
BOB	MCF/DAY	CF/BOG	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSGW
PSIG	PSIG	PSIG	SPD	%
GRAVITY	BNP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE CAUSED	
"API/SGG" P	PSIG			

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"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 the 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. Allan FosterTitle: 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.

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

FORMATION	DEPTH	FORMATION	DEPTH
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**OFFICE OF CONSERVATION**

WELL HISTORY AND WORK RESUME REPORT

FIELD

Vacherie Salt Dome

SERIAL NO

971960

PRODUCING INTERVAL

475' - 485'

RESERVOIR (COMPANY SAND IDENTIFICATION)

Wilcox and Midway Groups

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RESUMED
OR P & A
M D Y

11/15/88

OPERATOR

Stone & Webster Eng. Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 0207

WELL NAME

DOE- N.C. Rayford V-4

WELL NO

1

PARISH

Webster

SEC 15

TWP 17N

RGE. 8W

DATE PERMIT ISSUED

No Permit Issued

DATE SPUNDED

4/17/77

DATE READY TO PRODUCE*

Observation well Only

TOTAL DEPTH

754 Ft.

PSTB

487 ft.

GROUND ELEVATION

280.84 Ft.

CASING HEAD PLANGE ELEVATION

281.97 Ft.

DISTANCE FROM RGS TO CNP

N/A

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

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 (SINGLE LOGS FILED WITH OFFICE OF CONSERVATION)

Listed on back.

DATE FILED

N/A

CASING, LINER AND TUBING RECORD

	CASING SIZE	HOLE SIZE	CASING HEIGHT	DEPTH SET	FEET	TO	SAGGS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM/DD/YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
01	6"	8"	NA	0	464	110	NA	NA	NA	NA	NA
02	Riser 3"	8"	NA	454	475						
03	Screen 4 7/8"	NA	475	485							
04	Rail Pipe 4 7/8"	NA	485	488							
05	3"										

*TUBING SIZE *DEPTH OF TUBING *DEPTH OF PACKER: 3"x5" Lead Seal at 454 ft.

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHIME SIZE	PRODUCING METHOD
SGPD	MMF/BOF	CP/BOF	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SGW
PSIG	PSIG	PSIG	BOF	%
GRAVITY	SGP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAMPLED	
*SG: 1.060 P	PSIG			

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	SAGGS	HOW PLACED		
3" Tail Pipe & Screen	None	488	(est) 475	Sand (2) 2100 lb	Tremie	10/27/88	
3" Riser	None	475 (est)	454	45	Pump Down	10/27/88	
6 in.	None	454	3				

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Eng. Corp. 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: [Signature]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
N/A	3/11/77	Schlumberger	Logs Run (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	Logs Run (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 Paleontological or Geological Formation logs, 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

- ☐ NEW WELL
☐ RECOMPLETION
☒ 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

- ☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

- ☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECOM.
OR P & A
M D Y

1-10-89

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

Effie H.S. Connell et aux V-5

WELL NO.

No. 1

PARISH

Bienville

SEC.

22

TWP.

17N

RGE.

8W

DATE PERMIT ISSUED

DATE SPUNDED

M D Y

3-28-77

DATE READY TO PRODUCE*

M D Y

4-14-77

Observation Well

TOTAL DEPTH

815

POTO.

387

GROUND ELEVATION

239.52 Ft.

CASING HEAD FLANGE ELEVATION

241.1 Ft. (w/cap)

DISTANCE FROM RKB TO CNP

NA

DATE WELL TURNED INTO TANKS

NA

SINGLE, DUAL OR TRIPLE COMPLETION?

Single

NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED?

NA

WAS DIRECTIONAL SURVEY MADE?

NA

WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?

NA

DATE FILED

NA

TYPE OF ELECTRICAL OR OTHER LOSS RUN (CIRCLE LOSS FILED WITH OFFICE OF CONSERVATION)

Listed on back

DATE FILED

Filed with this report

CASING, LINER AND TUBING RECORD

	CASING SIZE	MOLE 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	5.0" casing	8"	NA	366	Surface	100				Elwyn Smith
102	3.0" Riser	4 7/8"	NA	377	356					Layne/Driller
103	3.0" Screen	4 7/8"	NA	387	377					
104										
105										

TUBING SIZE

DEPTH OF TUBING

DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKER SIZE	PRODUCING METHOD
NA	NA	NA	NA	NA
BOPO	MCF/DAY	CF/BSL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BSBW
NA	NA	NA	NA	NA
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAUCED	
NA	NA	NA	NA	
"API 60" F				

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. 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: William F. Stok

Title: Supervisor-Geologist

*Note well is drilled 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	DEP'	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 PUT UTIL.	PRODUCT	<input type="checkbox"/> OIL	IF RECOMPLETION	DATE COMP. RECD
<input type="checkbox"/> NEW WELL	<input type="checkbox"/> 32 INACTIVE DRY HOLE NO PUT UTIL.	<input type="checkbox"/> GAS	<input type="checkbox"/> SAME RESERVOIR	<input type="checkbox"/> DIFFERENT RESERVOIR	30 P.S.A.
<input type="checkbox"/> RECOMPLETION	<input type="checkbox"/> 33 INACTIVE WAITING ON PIPELINE	<input checked="" type="checkbox"/> OTHER			U.S.Y.
<input checked="" type="checkbox"/> P.S.A.	<input type="checkbox"/> 37 INACTIVE WAITING ON MARKET				11/15/88

OPERATOR	CODE	ADDRESS
Stone & Webster Engineering Corp.	6424	P.O. Box 2325, Boston, MA 02107

WELL NAME	WELL NO
DOE - G.P. Theus V6 Formerly E.S. Connell - V6	1

PARISH	SEC.	TWP	RGE.	DATE PERMIT ISSUED
Bienville	22	17N	8W	Not Filed

DATE SPUNDED	DATE READY TO PRODUCE	TOTAL DEPTH	PTS Plug Back With Sand to
4/-/77		643 Ft.	608 in 1977

GROUND ELEVATION	CASING HEAD PLANE ELEVATION	DISTANCE FROM RES TO CMP
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	

HAS WELL DIRECTIONALLY DRILLED?	HAS DIRECTIONAL SURVEY MAP?	WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	DATE FILED
No	No	NA	NA

TYPE OF ELECTRICAL OR OTHER LOSS RUN (CIRCLE LOSS FILED WITH OFFICE OF CONSERVATION)	DATE FILED
SFL-E, BHC, CBL	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 OF CONSERVATION AGENT OR OFFSET OPERATOR
5 1/2" O.D.	8 3/4"	15 1/2	Surface	596'				
3 1/2" O.D.	8 3/4"		566'	608'	NA	(Riser Pipe)		
3"	8 3/4"		608'	618'	NA	(Screen)		

TUBING SIZE	DEPTH OF TUBING	DEPTH OF PACKER:

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
BOPD	MGF/DAY	CF/DOL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSD W
PSIG	PSIG	PSIG	BPD	%
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE GAUGED	
"API 60" F	PSIG			

PLUG AND ABANDON (P & A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUG				DATE WORK PERFORMED	NAME OF TEST WITNESS - STATE OF CONSERVATION AGENT OR OFFSET OPERATOR
		FROM	TO	SACCS	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, correct and complete to the best of my knowledge.

Signature: Calvin Foster 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
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 Paleontological or Geological Formation tops, Cap Rock and Self Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

**OFFICE OF CONSERVATION**

WELL HISTORY AND WORK RESUME REPORT

FIELD

WILDCAT

SERIAL NO

971963

PRODUCING INTERVAL

796' to 806'

RESERVOIR (COMPANY SAND IDENTIFICATION)

SALT-VACHERIE DOME

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP. RECOMP.
OR P & A
M D Y

09/27/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

DOE- E.S.Connell V-7

WELL NO

1

PARISH

Webster

SEC

17

TWP

17N

RGE

8W

DATE PERMIT ISSUED

DATE SPUDDED

M D Y

DATE READY TO PRODUCE*

TOTAL DEPTH

849 Ft.

P&S

No plug back

GROUND ELEVATION

225.89

CASING HEAD FLANGE ELEVATION

226.89

DISTANCE FROM RKB TO CWP

NA

DATE WELL TURNED INTO TANKS

SINGLE, DUAL OR TRIPLE COMPLETION?

single

NOTE: IF THIS IS A MULTIPLE COMPLETION,
FURNISH A SEPARATE REPORT FOR
EACH COMPLETIONWAS 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

C	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	CHOKE SIZE	PRODUCING METHOD
BOB	WCF/DAY	CF/BOB	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSGW
PSIG	PSIG	PSIG	SPS	
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE CHANGED	
"API 600" P	PSIG			

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 1/2" O.D.	0	Surface	742'	77	Pump Down	09/09/88	NA

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: A. Alan FosterTitle: 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
21A	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 1/2" 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 Paleontological 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/Rayburns Salt Dome

SERIAL NO.

971964

PRODUCING INTERVAL

488' to 478'

RESERVOIR (COMPANY SAND IDENTIFICATION)

NA

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP RECD

30 P & A

M & Y

11/20/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

DOE-Derwood D Hines LSU-RIA

WELL NO.

No. 1

PARISH

Bienville

SEC.

31

TWP.

15N

RGE.

5W

DATE PERMIT ISSUED

NA

DATE SPUDDED

8/10/88

DATE READY TO PRODUCE*

Research Well

TOTAL DEPTH

1112

PSTO 558 to 489 gravel 600
to 558 Neat Cement 1112 to

GROUND ELEVATION

229.64'

CASING HEAD FLANGE ELEVATION

231.64'

DISTANCE FROM R&B TO CHP

Unknown

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 COMPLETIONWAS WELL DIRECTIONALLY
DRILLED?

NA

WAS DIRECTIONAL SURVEY MADE?

NA

WERE 3 COPIES FILED WITH THE
OFFICE OF CONSERVATION?

NA

DATE FILED

NA

*TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)

SP - Resistivity, Sonic 9/77
Cement Bond Log, Gamma Ray Log, Neutron 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 of Conservation Agent or Offset Operator
			From	To					
7.0" Conductor	NA	59.6	0	NA	NA	NA	NA	NA	NA
4.0" Casing	NA	462	0						
3.0" Riser Pipe	NA	478	451						
4.0" Screen	NA	488	478						

TUBING SIZE

DEPTH OF TUBING

DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOSE SIZE	PRODUCING METHOD
BOPO	MG/DAV	CF/BOG	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	GOR
PSIG	PSIG		OPD	%
GRAVITY	SNP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE GAUGED	
"API 2000"	PSIG			

PLUG AND ABANDON (P & A) DATA

Casing Size	Amount Pulled	CEMENT PLUGS				Date Work Performed	Name of Test Witness - State of Conservation Agent or Offset Operator
		From	To	Sacks	How Placed		
4" O.D.	0	451.0	Surface	24	Pump Down	10/31/88	A.L. Thornton
3" O.D.	0	454.04	451.0'				O.C. Representative
3" O.D. Riser	0	478.0	454.04	2	Tremied Sand	10/23/88	
3.75" Screen	0	485.00	478.0				

CERTIFICATE: I, the undersigned, state: That I am employed by Stone & Webster Engineering 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 - Production

*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
	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.
<p>NOTE: See Attached SWEC Plugging Report (Attachment 8 PTP 1-18-1) and Borehole Completion Sketch (Attachment 6 PTP 1-18-1).</p>			

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

FORMATION	DEPTH	FORMATION	DEPTH



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD

Rayburn's Salt Dome

SERIAL NO

157684

PRODUCING INTERVAL

Research Well (Non Producer)

RESERVOIR (COMPANY SAND IDENTIFICATION)

NA

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

☐ NEW WELL
☐ RECOMPLETION
☒ 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

☐ OIL
☐ GAS
☒ OTHER

IF RECOMPLETION

☐ SAME RESERVOIR
☐ DIFFERENT RESERVOIR

DATE COMP RECOM

☐ OR P & A
☒ M O 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 O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

PSD

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RAB TO CMP

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)

Cement Bond Log/Gamma Ray/CCL

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					
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									
TUBING SIZE			DEPTH OF TUBING			DEPTH OF PACKER(S)			

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
BOB	MGF/DAY	CF/DGL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSGW
PSIG	PSIG		BOB	
GRAVITY	BNP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE CAUSED	
"API 600" P	BOB			

PLUS 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		
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 Stone & Webster Engineering 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 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
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 9½" 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 Paleontological 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

SERIAL NO.

157091

PRODUCING INTERVAL

Research Well (Non Producer)

RESERVOIR (COMPANY SAND IDENTIFICATION)

N.A.

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

☐

NEW WELL

☐

RECOMPLETION

☒

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

☐

OIL

☐

GAS

☐

OTHER

IF RECOMPLETION

☐

SAME RESERVOIR

☐

DIFFERENT RESERVOIR

DATE COMP. RECOMP.

OR P & A

☒

M O Y

11/20/88

OPERATOR

Stone & Webster Engineering Corp.

CODE

6424

ADDRESS

P.O. Box 2325, Boston, MA 02107

WELL NAME

U.S. Department of Energy - Smith, et al

WELL NO.

No. 1

PARISH

Webster

SEC. 16

TWP. 17N

RGE. 8W

DATE PERMIT ISSUED

10/24/88

DATE SPUDDED

M O Y

DATE READY TO PRODUCE*

TOTAL DEPTH

POTD

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RGS TO CNP

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)

Cement Bond Log/Gamma Ray/CCL

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					
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									
10 1/2"									

TUBING SIZE DEPTH OF TUBING DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKER SIZE	PRODUCING METHOD
BOPO	MCF/DAY	CF/DOL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	SSGW
PSIG	PSIG	PSIG	BOPO	%
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE SAUGED	
"API 600" P	PSIG			

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		
Open Hole 8 1/2"	0	1028	972	55	Pump Down	11-7-88	A.L. Thornton
9 5/8" Casing	0	972	843				O.C. Representative
9 5/8" Casing	0	843	597.23	62	Pump Down	11-8-88	
9 5/8" "	0	602	3.0	195	Pump Down	11/17-18/88	

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 complete to the best of my knowledge.

Signature: C. Alan FosterTitle: 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
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 8½" Open Hole from 1028.56' to 972 and 9½" 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 scks 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.	Perforated 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 5 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.
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 Paleontological or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH

NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

B12 L-2B

(Please Check One)

SALVAGE OIL

STATE OF LOUISIANA
OFFICE OF CONSERVATION
P. O. BOX 44275
BATON ROUGE, LA 70804-4275

Manifest No.

104639

GENERATOR'S COPY

YES NO

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE 2 COPY
PROJECT J.O. NO. 17500
TFSC-SRPOPART I:
CODES

TO BE COMPLETED BY GENERATOR

6424

↔ Generator

STONE & WEBSTER ENGINEERING CORP.

P.O. A. #836

↔ Address

P.O. Box 2325

ATT. R.T. DECONTO

P.O. # 0036

(617)-589-7058

Telephone No.

↔ City/State

BOSTON, MA 02107

ORIGINATION OF WASTE

↔ Name

DOE LOUISIANA POWER & 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

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

Rock SWD plant

↔ Site Address

Box 902

↔ City/State

Cullen 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

Date and Time of Shipment

PART II:

PSC PERMIT

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter

Rock Co.

↔ Address

Box 902

↔ City/State

Cullen La

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.

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

(Please Check One)
SALVAGE OIL

YES	NO
	<input checked="" type="checkbox"/>

NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET Pg 1

L-2A

STATE OF LOUISIANA
OFFICE OF CONSERVATION
P. O. BOX 44275

Manifest No.

104003

BATON ROUGE, LA 70804-4275

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE 33.1

U.O. NO. 17600

TFSC-SRPO

P.O. # 0036

ATTN: R.T. DECONTO

PART I: TO BE COMPLETED BY GENERATOR

CODES

6424
999999
1

↔ Generator STONE & WEBSTER ENG. CORP
↔ Address 245/12 SUMMER ST. Telephone No. (612)-589-7058
↔ City/State BOSTON, MASS. 02107

ORIGINATION OF WASTE

↔ Name DOE LP&L LH-2A #1 Field WILDCAT
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other) 1

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>30 BBL</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 Swd.
↔ 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]

Signature of Generator's Authorized Agent

9-22-88

Date and Time of Shipment

PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

PSC PERMIT

5493-C

↔ Transporter Pool CO. Telephone No. 318-994-2107
↔ Address Bx. 902 R46-874
↔ City/State Springhill, LA. 71075 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

9-22-88

Date and Time Received

PART III: TO BE COMPLETED BY COMMERCIAL FACILITY

CODE

621

↔ 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

9-22-88

Date and Time Received

(Please Check One)
SALVAGE OIL

YES	NO
	✓

NONHAZARDOUS OILFIELD WASTE SHIPPING CONTROL TICKET

STATE OF LOUISIANA
OFFICE OF CONSERVATION
P. O. BOX 44275

BATON ROUGE, LA 70804-4275

Manifest No.

L-2A
Pg 3
106793

GENERATOR'S COPY

PART I: TO BE COMPLETED BY GENERATOR
CODES

6424

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

↔ Generator Stonestreet Webster Eng. Corp
↔ Address 245 1/2 Summer St
↔ City/State Boston, Mass. 02107

FILE COPY
J.P. NO. 17500
TFSC-SRPO
P.O. # 0036

Alt. R.T. DeConto
P.O. # 0036
1607-589-7058
Telephone No.

ORIGINATION OF WASTE

↔ Name DOE-Lo Paver Light 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 BBL</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 Swd.
↔ 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 D. DeConto
Signature of Generator's Authorized Agent

9-11-88
Date and Time of Shipment

PART II: 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.
R46-874
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: TO BE COMPLETED BY COMMERCIAL FACILITY
CODE

624

↔ Facility Operator Pool Swd.
↔ 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

Manifest No.

Pg 4
105250

BATON ROUGE, LA 70804-4275

GENERATOR'S COPY

FILE COPY
J.O. NO. 17500
TFSC-SRPO

If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I:

CODES

6424

TO BE COMPLETED BY GENERATOR

STONE & WEBSTER ENG. CO.

Generator

Address

City/State

ORIGINATION OF WASTE

Name

Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

Field

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

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

Site Address

City/State

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

Date and Time of Shipment

PART II:

PSC PERMIT

5493-C

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

Transporter

Address

City/State

994-2107

Telephone No.

225-9945

Truck License No.

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.

Signature of Transporter's Agent

Date and Time Received

PART III:

CODE

621

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

(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.

L-2 E
Pg 5
105258

GENERATOR'S COPY

FILE COPY
J.O. NO. 17500
TFBC-8RPO

P.O. # 0036
R.T. DeConte
P.O. # 0036
(617)-587-7058
Telephone No.

PART I:
CODES

6424

TO BE COMPLETED BY GENERATOR

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

↔ Generator Stone & Webster Eng. Corp.
Address 245 1/2 Summer St
City/State Boston, Mass. 02107

ORIGINATION OF WASTE

↔ Name DOE-KCI HODGE LUHGA #6C Field Ucherie Salt Dome
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>125</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 & D
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.

Richard DeConte

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
Address Box 902
City/State Springhill, La.

994-2107
Telephone No.

DA6945
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.

Mike Talbot

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 & D
Site Name Trinity #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 Talbot

Signature of Facility Agent

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

Manifest No.

L-2F
Pg 6
105262

BATON ROUGE, LA 70804-4275

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

CODES

6424
99999

↔ Generator Stone & Webster Eng. Corp.
↔ Address 245 1/2 Summer St.
↔ City/State Boston, Mass. 02107

ORIGINATION OF WASTE

↔ Name DOE - K.C. Dodge 24128A Field Vachon Salt Dome
↔ Type (1= Lease; 2= Unit; 3= Well; 6r 5= Other)

L-2F
FILE COPY
J.O. NO. 17500
TFSC-SRPO
P.O. # 00360
617-589-7738
Telephone No.

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 2412
↔ 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.

W.C. Branch
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

5493-C

↔ Transporter Pool Co
↔ Address Box 902
↔ City/State Springhill, La.

994-2107
Telephone No.
PO-9945
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.

Mike Tyler
Signature of Transporter's Agent

10/23/88
Date and Time Received

PART III:
CODE

TO BE COMPLETED BY COMMERCIAL FACILITY

1021

↔ Facility Operator Pool 2412
↔ Site Name Finecette #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 Tyler
Signature of Facility Agent

10/23/88
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

Manifest No.

Pg 7 L-2G
105273

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY
J.O. NO. 17500
TFSC-6RPO

PART I: TO BE COMPLETED BY GENERATOR

CODES

6424
999999
1

↔ Generator Stone & Webster Eng. Corp
Address 245/12 Summer St.
City/State Boston, Mass. 02107

Phone No. 617-589-7058
Telephone No.

ORIGINATION OF WASTE

↔ Name L V H - 10 B Field Machine 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		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 & D
Site Address Box 902
City/State Springhill, Tex.

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. Brainerd
Signature of Generator's Authorized Agent

10/26/88
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, Tex.

Telephone No. 934-2107
Truck License No. 1059945
Trailer License No. D174802

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 Tyler
Signature of Transporter's Agent

10/26/88
Date and Time Received

PART III:
CODE

TO BE COMPLETED BY COMMERCIAL FACILITY

001

↔ Facility Operator Pool & D
Site Name Tristite #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 Tyler
Signature of Facility Agent

10/26/88
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

Manifest No.

L-2H
Pg 8
105464

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY
J.O. NO. 17500
TFSC-SRPO

PART I:
CODES

TO BE COMPLETED BY GENERATOR

6424
74444

↔ Generator Stone - Webster Eng Corp
↔ Address 245 1/2 Summer ST
↔ City/State Baton Rouge, LA 70807

P.O. # 0036
1617-589 7058
Telephone No.

ORIGINATION OF WASTE

↔ Name DOE - KCI Hedge LUGRA Field Rayburn
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other) Washout Salt Dome

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>25</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

6031

↔ Commercial Facility Name Pool SWD
↔ 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. B. Smith
Signature of Generator's Authorized Agent

11/2/88
Date and Time of Shipment

PART II:
PSC PERMIT

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

5493-C

↔ Transporter Pool Prod
↔ Address PO Box 902
↔ City/State Springhill, LA

318-994-2100
Telephone No.
846877
Truck License No.
X37864
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.

Chaudie Rose DuBain
Signature of Transporter's Agent

11/2/88
Date and Time Received

PART III:
CODE

TO BE COMPLETED BY COMMERCIAL FACILITY

6001

↔ Facility Operator Pool SWD
↔ Site Name Fisette SWD #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.

Chaudie Rose DuBain
Signature of Facility Agent

11/3/88
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

Manifest No. **104610**

GENERATOR'S COPY

FILE COPY
J.O. NO. 17500
TFSC-SRPO

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I:
CODES

6424

TO BE COMPLETED BY GENERATOR

↔ Generator STONE & WEBSTER ENGINEERING CORP.
Address P.O. BOX 2325
City/State BOSTON, MA 02107

C.A. FOSTER
ATTN: R.T. DELONTO
P.O. # 0036
(617)-589-7058
Telephone No.

ORIGINATION OF WASTE

↔ 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

C

↔ Commercial Facility Name Pool SWD Plant
Site Address Bakerville LA
City/State P.O. Box 902 Cullen 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]
Signature of Generator's Authorized Agent

9-20-88 12:53pm
Date and Time of Shipment

PART II:
PSC PERMIT

--

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

↔ Transporter Pool Co.
Address P.O. Box 902
City/State Cullen 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.

[Signature]
Signature of Transporter's Agent

9-20-88
Date and Time Received

PART III:
CODE

C

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

(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

Pg 10 L-2J
Manifest No. 104657

GENERATOR'S COPY

FILE COPY
J.O. NO. 17500
TFSC-SRPO

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I: TO BE COMPLETED BY GENERATOR

CODES

6924

↔ Generator STONE & WEBSTER ENG. Co
Address 245 SUMMER ST 16171-589-2579
City/State BOSTON, MA 02324
Telephone No.

ORIGINATION OF WASTE

11666667
↔ 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	<input checked="" type="checkbox"/> 20 9/18 46 9/18	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 Co. SLD
Site Address Bartoville LA Plant
City/State Cullen 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.

Richard Krane
Signature of Generator's Authorized Agent

Sept 17-88
Date and Time of Shipment

PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

PSC PERMIT

↔ Transporter Pool Co. GA-2102
Address PO Box 502 Telephone No.
City/State Cullen LA 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.

Johnny Fitchell
Signature of Transporter's Agent

Sept 17-88
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

(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. **B11/L-2K**
105070

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY
J.O. NO. 17500
TFSC-8RPO

PART I: TO BE COMPLETED BY GENERATOR

CODES

6424

↔ Generator Stone & Webster Eng. Corp.
↔ Address 245/12 Summer St
↔ City/State Boston Mass. 02107

PO# 0036
1617-589-8613
Telephone No.

ORIGINATION OF WASTE

99999
2

↔ Name LH #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 60
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 Land
↔ Site Address POBx 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.

22m Tyrah
Signature of Generator's Authorized Agent

10-28-88
Date and Time of Shipment

PART II: PSC PERMIT

TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

5493C

↔ Transporter Pool. Road
↔ Address POBx 902
↔ City/State Springhill, La 71075

318-994-2107
Telephone No.
PO59944
Truck License No.
D174806
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.

Randy S. Johnson
Signature of Transporter's Agent

10-28-88
Date and Time Received

PART III: CODE

TO BE COMPLETED BY COMMERCIAL FACILITY

001

↔ Facility Operator Pool Land
↔ Site Name Cissette #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 S. Johnson
Signature of Facility Agent

10-28-88
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

Pg 12 / L-2L
Manifest No.

104015

GENERATOR'S COPY

FILE COPY
J.O. NO. 17500
TFSC-SRPO

P.O. # 0036
C/R DeGoutte
1612 589-7058
Telephone No.

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

CODES

6424

↔ Generator STONE & Webster ENG. Corp.
Address 245/12 Summer ST.
City/State Boston, Mass. 02107

ORIGINATION OF WASTE

999999

↔ Name DOE CONT. IND. LH-78 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

601

↔ Commercial Facility Name Pool Snd.
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 Krane

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

PSC PERMIT

5493-C

↔ Transporter Pool CO. 318-994-2107
Address Bx. 902 Telephone No.
City/State Springhill, LA. 71075 R46-874
Truck License No.
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

CODE

601

↔ 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 III was received by me via the transporter described in Part II.

Wayne Thomas

Signature of Facility Agent

9-26-88

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.

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

CODES

6424

↔ Generator Stone & Webster Eng Corp.
↔ Address 245/12 Summer St.
↔ City/State Boston, Mass 02107

FILL COPY
J.O. NO. 17800
TREC-810

P.O. # 0036
(617)-589-7259
Telephone No.

ORIGINATION OF WASTE

999999

↔ Name Well V-6 Field Wachewie Salt Dome
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water 15
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

901

↔ Commercial Facility Name Pool Ltd
↔ 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.

C. A. Foster
Signature of Generator's Authorized Agent

10/25/88
Date and Time of Shipment

PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

PSC PERMIT

5493-C

↔ Transporter Pool Co
↔ Address Box 902
↔ City/State Springhill, La.

994-2107
Telephone No.
PO 59945
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 Taylor
Signature of Transporter's Agent

10/25/88
Date and Time Received

PART III: TO BE COMPLETED BY COMMERCIAL FACILITY

CODE

901

↔ Facility Operator Pool Ltd
↔ Site Name Twitt #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

10/25/88
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

Manifest No.

Pg 14/L-2N

104269

GENERATOR'S COPY

FILE COPY
J.O. NO. 17500
TFSC-SRPO

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

PART I:
CODES

TO BE COMPLETED BY GENERATOR

Stone & Webster Eng'g Corp. 36

↔ Generator

Southwest Laboratory

↔ Address

245 Summer St

↔ City/State

Boston, Mass. 02107

P.O. # 0036

(617)-589-7058

Telephone No.

ORIGINATION OF WASTE

↔ Name

DOE - V-T Monitoring well Field Vachere Salt Domes

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water

51214

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

P.O. Co

↔ Site Address

BX 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.

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

Pool Co

↔ Address

BX 902

↔ City/State

Springhill

994-3107
Telephone No.

9048015
Truck License No.

9032858
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

Pool Co

↔ Site Name

Field #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 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.

15 / L-20
104103

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY

J.O. NO. 17509

TFSC-8RPO

PO # 0036
671-599-8613
Telephone No.

PART I:

CODES

6424

TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng. Corp.
↔ Address PO Box 2325
↔ City/State Boston, Mass. 02107

ORIGINATION OF WASTE

↔ Name DOE 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
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 & D
↔ 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.

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
↔ Address Box 902
↔ City/State Springhill, La.

994-2107
Telephone No.
105-9945
Truck License No.
Q174807
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 Tyler

Signature of Transporter's Agent

11/8/88

Date and Time Received

PART III:

CODE

501

TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool & D
↔ Site Name Smith #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 Tyler

Signature of Facility Agent

11/8/88

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

Manifest No.

104065

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY

J.O. NO. 17500

TFSC-8RPO

~~6121-589-7058~~

6121-589-7058

Telephone No.

PART I: TO BE COMPLETED BY GENERATOR

CODES

6424

↔ Generator STONE & Webster ENG. Corp.

Address 245/12 Summer St.

City/State Boston, Mass. 02107

ORIGINATION OF WASTE

157291

↔ Name DOE SMITH #1

Field Liberty

↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other Wildcat)

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

6501

↔ Commercial Facility Name Pool Ltd

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.

W. Brand

Signature of Generator's Authorized Agent

11-7-88

Date and Time of Shipment

PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

PSC PERMIT

5493-C

↔ Transporter Pool Co.

Address Bx. 902

City/State Springhill, LA. 71075

318-994-2107

Telephone No.

R46-874

Truck License No.

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

11-7-88

Date and Time Received

PART III: TO BE COMPLETED BY COMMERCIAL FACILITY

CODE

531

↔ 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

11-7-88

Date and Time Received

(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.

104080

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

FILE COPY

J.O. NO. 17500

TFSC-SRPO

PART I:

CODES

TO BE COMPLETED BY GENERATOR

↔ Generator Stone & Webster Eng. Corp.
Address P O Box 2325
City/State Boston, MA 02107

Phone No. 617-589-8613

Telephone No.

ORIGINATION OF WASTE

↔ Name DOE-Cont Field Rayburn, Louisiana, Salt Dome
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>2000</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 2ND
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.

2 M Tyah

Signature of Generator's Authorized Agent

11/3/88

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 Springhill, La.

994-2107

Telephone No.

PO59945

Truck License No.

0174807

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 Tyler

Signature of Transporter's Agent

11/3/88

Date and Time Received

PART III:

CODE

TO BE COMPLETED BY COMMERCIAL FACILITY

↔ Facility Operator Pool 2ND
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.

Mike Tyler

Signature of Facility Agent

11/3/88

Date and Time Received

(Please Check One)
SALVAGE OIL

YES	NO
	<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. **161221**

GENERATOR'S COPY

↔ If Yes indicate the number of barrels in the "50-Salvage Oil" below.

Pg 19
L-25
PROJECT TFSL
J.O. No 17500
PO # 0036
(612)-589-7058
Telephone No.

PART I: TO BE COMPLETED BY GENERATOR

CODES
16424
99999
3

↔ Generator Stone & Webster Eng. Corp.
↔ Address 245/12 Summer St.
↔ City/State Boston, Mass. 02107

ORIGINATION OF WASTE

↔ Name V-5 Field Wildcat
↔ Type (1= Lease; 2= Unit; 3= Well; or 5= Other)

WASTE IDENTIFICATION AND AMOUNT (IN 42 GALLON BARRELS)

01 Salt Water	<u>6 Bbl's</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 Suid
↔ 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]
Signature of Generator's Authorized Agent

1-10-89
Date and Time of Shipment

PART II: TO BE COMPLETED BY TRANSPORTER IN PRESENCE OF GENERATOR

PSC PERMIT

5493-C

↔ 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

1-10-89
Date and Time Received

PART III: TO BE COMPLETED BY COMMERCIAL FACILITY

CODE

6001

↔ Facility Operator Pool CO.
↔ Site Name Jissette #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

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
Attn: Chief - Water Resources Section
P.O. BOX 94345
Baton Rouge, LA 70804-0435
(504) 379-1434

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)

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.
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.) 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, 19 88 by (name and no. of
contractor) Southwestern Laboratories, Inc. WWC 261
Authorized Signature: [Signature] Date: 12/20/88

State Parish Local Well No. Identification Number OFFICE USE ONLY
22 - 323503092232801
DOTD COPY

Section Township Range Quad. No.
 3 18N 10W

(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 94345
Baton Rouge, LA 70804-0435
(504) 379-1434

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.
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.) 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, 19 88 by (name and no. of
contractor) Southwestern Laboratories, Inc. WWC 261
Authorized Signature: [Signature] Date: 12/20/88

State Parish Local Well No. Identification Number OFFICE USE ONLY
22 - 323503092232802
DOTD COPY

Section Township Range Quad. No.
 3 18N 10W

(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 94345
Baton Rouge, LA 70804-0435
(504) 379-1434

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

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 420 ft., Diameter of casing 4 1/2 in.,
Depth of completed well, 420 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.) Set Retainer at 59'.
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'.

5. REMARKS: Previously cement plugged, 168'-420', 4 1/2"
screen, 59' 139'. 4 1/2" casing.

I certify that this work was done and completed in accordance with Rules and Regulations
of the State on Sept. 27, 19 88 by (name and no. of
contractor) Southwestern Laboratories, Inc. WWC 261
Authorized Signature: [Signature] Date: 12/20/88

State Parish Local Well No. Identification Number OFFICE USE ONLY
22 - 323503092232803
DOTD COPY

Section Township Range Quad. No.
 3 18N 10W

(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 9435
Baton Rouge, LA 70804-0943
(504) 376-1434

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) DOE-KCI Hodge 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

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, 19 88 by (name and no. of

contractor Southwestern Laboratories, Inc. WWC 261

Authorized Signature: Thayer A. Hume Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>		<u>-</u>	<u>322457093100301</u>	<u>35</u>	<u>17M</u>	<u>8W</u>	

DOTD COPY

(REV. 11/85)

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 9435
Baton Rouge, LA 70804-0943
(504) 376-1434

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) DOE KCI Hodge 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.

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, 19 88 by (name and no. of

contractor Southwestern Laboratories, Inc. WWC 261

Authorized Signature: Thayer A. Hume Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>		<u>-</u>	<u>322457093100302</u>	<u>35</u>	<u>17N</u>	<u>8W</u>	

DOTD COPY

(REV. 11/85)

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 9435
Baton Rouge, LA 70804-0943
(504) 376-1434

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) DOE/KCI Hodge 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.

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, 19 88 by (name and no. of

contractor Southwestern Laboratories, Inc. WWC 261

Authorized Signature: Thayer A. Hume Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>		<u>-</u>	<u>322457093100303</u>	<u>35</u>	<u>17N</u>	<u>8W</u>	

DOTD COPY

(REV. 11/85)

**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 94345
Baton Rouge, LA 70804-0435
(504) 376-1434

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) DOE/KCI Hodge Holdings LVH-6WS

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Fryeburg, LA
Approximately 0.6 miles from Intersection of Parish
Roads 499 and 516
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 144 ft., Diameter of casing 4.5 in.,
Depth of completed well, 99 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.)

93' to 38' Tremie Sand 5 Sacks
38' to 4.5' Pump Down Grout 8% Bentonite
92% Cement 3 Sacks
Cutoff at 4.5' Welded Steel Cap
Backfill to surface

5. REMARKS: Abandoned Water Supply Well

Bottom of screen at 93' Tail pipe to 98'

Gravel pack to 144'

I certify that this work was done and completed in accordance with Rules and Regulations
of the State on 11/78, 19 88 by (name and no. of

contractor Southwestern Laboratories, Inc. wwc 261

Authorized Signature: Lloyd A. Hovine Date: 02/03/89

State Parish Local Well No. Identification Number
2 2 - 3 2 2 4 5 7 0 9 3 1 0 0 3 0 4
DOTD COPY

Section Township Range Quad No.
3 5 17 N 8 W 1 1 1 1

(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 94345
Baton Rouge, LA 70804-0435
(504) 376-1434

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-7A

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Arcadia
Approximately 3.9 miles from Rt. 147, South on
Parish Road 173
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 2612 ft., Diameter of casing 6-5/8 in.,
Depth of completed well, 1570 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.)

156' to 146' Tremie Sand 9 Sacks
146' to Surface Pump Down Grout
8% Bentonite 92% Cement 20 Sacks
Gut 3' Below Ground Surface. Welded steel
cap. Backfill upper 3 feet.

5. REMARKS: 12-3/4 inch surface casing 0-400'
20" conductor pipe, 0 to 57'

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 A. Hovine Date: 02/03/89

State Parish Local Well No. Identification Number
2 2 - 3 2 2 9 0 0 0 9 2 5 4 4 0 0 1
DOTD COPY

Section Township Range Quad No.
3 5 17 N 5 W 1 1 1 1

(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 94345
Baton Rouge, LA 70804-0435
(504) 376-1434

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-7B

2. LOCATION OF WELL: Parish: Bienville, Well is Near, Arcadia, LA
Approximately 3.9 miles from Rt. 147, South on
Parish road 173
(Crossroads, Town, City, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 1052 ft., Diameter of casing 6-5/8 in.,
Depth of completed well, 1047 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.)

1047' to 932' Tremie Sand 11 Sacks
932' to surface pump down grout 124 sacks
8% Bentonite 92% Cement
Cutoff at 3' Welded steel cap. Backfill
to surface.

5. REMARKS: 20" Conductor pipe, 0 to 57'

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 A. Hovine Date: 02/03/89

State Parish Local Well No. Identification Number
2 2 - 3 2 2 9 0 0 0 9 2 5 4 4 0 0 2
DOTD COPY

Section Township Range Quad No.
3 8 17 N 5 W 1 1 1 1

(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 70804-9245
(504) 375-1434

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
8% 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: [Signature] Date: 02/03/89

State		Parish		Local Well No.		Identification Number										Section		Township		Range		Quad No.										
2	2			-			3	2	1	8	0	0	9	2	5	4	4	0	0	3		8		1	7	N		5	W			

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(REV. 11/88)

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Baton Rouge, LA 70804-9245
(504) 375-1434

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
8% 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: [Signature] Date: 02/03/89

State		Parish		Local Well No.		Identification Number										Section		Township		Range		Quad No.										
2	2			-			3	2	1	8	0	4	0	9	3	2	0	2	5	0	1		1	2		1	5	N		1	0	W

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P.O. BOX 94245
Baton Rouge, LA 70804-9245
(504) 375-1434

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
8% Bentonite 92% Cement
Cut off at 3'. Welded steel cap. Backfill
upper 3 feet.

5. REMARKS: 20" Conductor pipe 0 to 57'.

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: [Signature] Date: 02/03/89

State		Parish		Local Well No.		Identification Number										Section		Township		Range		Quad No.										
2	2			-			3	2	1	8	0	4	0	9	3	2	0	2	5	0	2		1	2		1	5	N		1	0	W

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**WATER WELL PLUGGING and ABANDONMENT
FORM (DOTD-GW-2)**

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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 90248
Baton Rouge, LA 70804-0248
(504) 375-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) _____
KCI Hodge Holdings, Inc.
ADDRESS: 1111 Pannin St., Suite 500 Houston, Tx 77002
OWNERS WELL NUMBER (if any) KCI Hodge 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
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.)
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, 19 88 by (name and no. of
contractor Southwestern Laboratories, Inc. wwc 261
Authorized Signature [Signature] Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>	<u> </u>	<u>-</u>	<u>321804093202503</u>	<u>12</u>	<u>15N</u>	<u>10W</u>	<u> </u>

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Department of
Transportation and Development
Attn: Chief - Water Resources Section
P.O. BOX 90248
Baton Rouge, LA 70804-0248
(504) 375-1434

1. WELL OWNER: (if different from owner when drilled, note in item 5) _____
Norherr 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
(Crossroads, Town, City, Railroad, Any Landmark, etc.)
Roads 171 and 165

(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

4. Describe in detail how well or hole was plugged: (materials used, amount of casing
and/or screen removed, or left in hole, etc.)
488 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, 19 88 by (name and no. of
contractor Southwestern Laboratories, Inc. wwc 261
Authorized Signature [Signature] Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>	<u> </u>	<u>-</u>	<u>322753093110101</u>	<u>15</u>	<u>17N</u>	<u>8W</u>	<u> </u>

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MAIL ORIGINAL TO
Department of
Transportation and Development
Attn: Chief - Water Resources Section
P.O. BOX 90248
Baton Rouge, LA 70804-0248
(504) 375-1434

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
(Crossroads, Town, City, Railroad, Any Landmark, etc.)
Roads 497 and 499

(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, 19 89 by (name and no. of
contractor Southwestern Laboratories, Inc. wwc 261
Authorized Signature [Signature] Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>	<u> </u>	<u>-</u>	<u>322649093110001</u>	<u>22</u>	<u>17N</u>	<u>08W</u>	<u> </u>

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(REV. 11/88)

**WATER WELL PLUGGING and ABANDONMENT
FORM (DOTD-GW-2)**

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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 70804-0245
(504) 379-1434

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
Roads 497 and 499 and on 497
(Crossroads, Town, City, Railroad, Any landmark, etc.)
(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

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
8% 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, 19 88 by (name and no. of
contractor Southwestern Laboratories, Inc. WWC 261
Authorized Signature Flagg to Lowe Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>		<u>-</u>	<u>322638093110601</u>	<u>22</u>	<u>17N</u>	<u>08W</u>	

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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 70804-0245
(504) 379-1434

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 165.
(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

4. Describe in detail how well or hole was plugged: (materials used, amount of casing
and/or screen removed, or left in hole, etc.) Drilled, milled &
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, 19 88 by (name and no. of
contractor Southwestern Laboratories, Inc. WWC 261
Authorized Signature Flagg to Lowe Date: 12/20/88

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>		<u>-</u>	<u>3227410931122201</u>	<u>17</u>	<u>17N</u>	<u>08W</u>	

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Attn: Chief - Water Resources Section
P.O. BOX 94245
Baton Rouge, LA 70804-0245
(504) 379-1434

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-RLA
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
8% 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, 19 89 by (name and no. of
contractor Southwestern Laboratories, Inc. WWC 261
Authorized Signature Flagg to Hines Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
<u>22</u>		<u>-</u>	<u>321416092545901</u>	<u>31</u>	<u>15N</u>	<u>05W</u>	

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**WATER WELL PLUGGING and ABANDONMENT
FORM (DOTD-GW-2)**

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MAIL ORIGINAL TO
Department of
Transportation and Development
Attn: Chief - Water Resources Section
P.O. BOX 9046
Baton Rouge, LA 70804-0946
(504) 379-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) _____
Continental Hodge Woodlands, Inc.
ADDRESS: P. O. Drawer Hodge, LA 71247
OWNERS WELL NUMBER (If any) DOE Continental F.I. et.al. No.1

2. LOCATION OF WELL: Parish: Bienville Well is Near, Lucky, LA
Approximately 4 miles from Lucky, east on Rt 4
(Crossroads, Town, City, Railroad, Any Landmark, etc.)
680' down access road on south side of Rt. 4
(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 5013 ft., Diameter of casing 9-5/8 in.,
Depth of completed well, 424 ft., Date completed 04/77 by (Give name
of water well contractor who installed well or hole): Unknown

4. Describe in detail how well or hole was plugged: (materials used, amount of casing
and/or screen removed, or left in hole, etc.)
478' to 3' pump down 157 sacks grout
8% Bentonite 92% Cement
Cut off at 3'. Welded steel cap. Backfill
upper 3 feet.

5. REMARKS: Open 8.5" uncased hole. 5013 to 424'.
13.6" Conductor Pipe, 59' to surface.

I certify that this work was done and completed in accordance with Rules and Regulations
of the State on 12/01, 19 88 by (name and no. of
contractor Southwestern Laboratories, Inc. WWC 261
Authorized Signature: Raymond Brown Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
22		-	321424092552901	31	15N	5W	

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Attn: Chief - Water Resources Section
P.O. BOX 9046
Baton Rouge, LA 70804-0946
(504) 379-1434

1. WELL OWNER: (If different from owner when drilled, note in item 5) _____
Effie Holley Smith Connell et. al.
ADDRESS: Heflin, LA 71309
OWNERS WELL NUMBER (If any) DOE/Smith et.al. No. 1

2. LOCATION OF WELL: Parish: Webster Well is Near, Heflin, LA
Approximately 0.7 miles from Eastern end of Parish
(Crossroads, Town, City, Railroad, Any Landmark, etc.)
Road 169 on an access road to the right.
(Please draw sketch on back of Original)

3. WELL INFORMATION: Depth of hole, 5043 ft., Diameter of casing 9-5/8 in.,
Depth of completed well, 972 ft., Date completed 04/77 by (Give name
of water well contractor who installed well or hole): Unknown

4. Describe in detail how well or hole was plugged: (materials used, amount of casing
and/or screen removed, or left in hole, etc.)
1028 to 3' Pump down grout 312 sacks.
8% Bentonite 92% Cement
Cut off at 3'. Welded steel cap. Backfill
to surface.

5. REMARKS: Open uncased hole 5043' to 1028.
Surface casing to 297' depth conductor
casing to 60'.

I certify that this work was done and completed in accordance with Rules and Regulations
of the State on 11/20, 19 88 by (name and no. of
contractor Southwestern Laboratories, Inc. WWC 261
Authorized Signature: Raymond Brown Date: 02/03/89

State	Parish	Local Well No.	Identification Number	Section	Township	Range	Quad. No.
22		-	322743093115851	16	17N	08W	

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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

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.

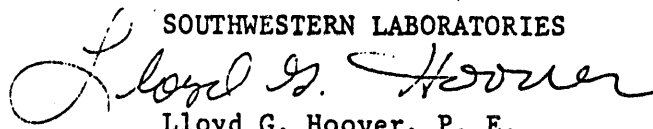
Plugging and Abandonment activities commenced on September, 1988. An obstruction was tagged at 124.1 feet in 6-5/8 inch casing. Drill cuttings revealed the obstruction consisted of bottles, cans, wood and rocks. The hole was advanced two (2) feet. On September 2, 1988 drilling activities resumed with a 4-3/4 inch milling tool. The obstruction was cleared to 740 feet in the 3-1/2 inch riser pipe, but could be advanced no 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's with this letter.


Stone & Webster Engineering Company

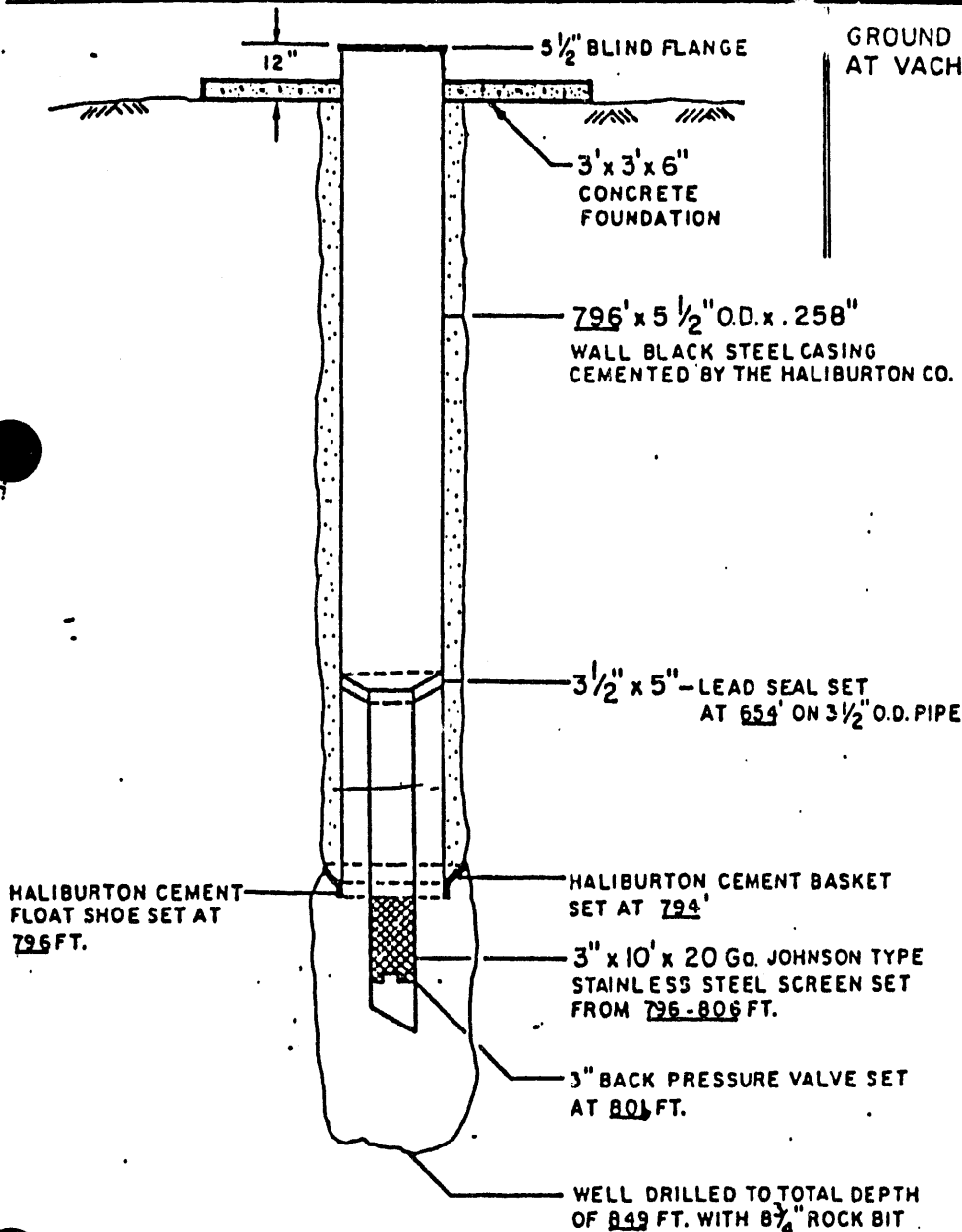
Table D-4. Well completion description, Well V-7, Vacherie salt dome.

L-4B Pg 3/4

Lanford Drilling Company, Inc.

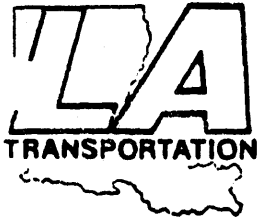
• P.O. Box 98 • Shreveport, La. • 71161

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

GROUND WATER OBSERVATION WELL No.7
AT VACHERIE SALT DOME

Shal. in. 4.11.11.

801.



LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. Box 94245, Baton Rouge, Louisiana 70804-9245

(504) 379-1434

NEIL L. WAGCNER, 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

L-4A 21/3



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
P.O. 5086

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.

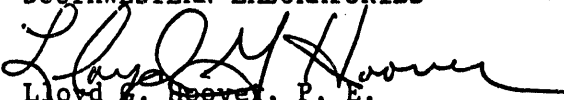
LVH6B - Fish for junk with magnet, spear and grab tools on wireline at top of riser pipe (1786.6 feet). Some metal components were retrieved. No advancement during three days.

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.

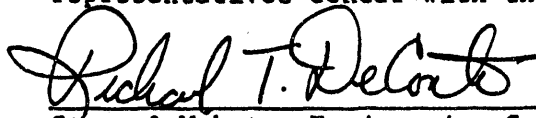
Sincerely,

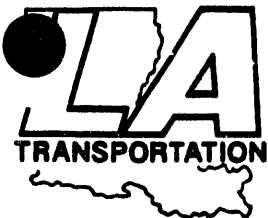
SOUTHWESTERN LABORATORIES


Lloyd G. Heever, P. E.
SwL Vice President
Manager-Louisiana Offices
WWC-261

LGH:awd

Stone & Webster Engineering Corporation's
representatives concur with this letter.


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

October 24, 1988

BUDDY ROEMER
GOVERNOR

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.

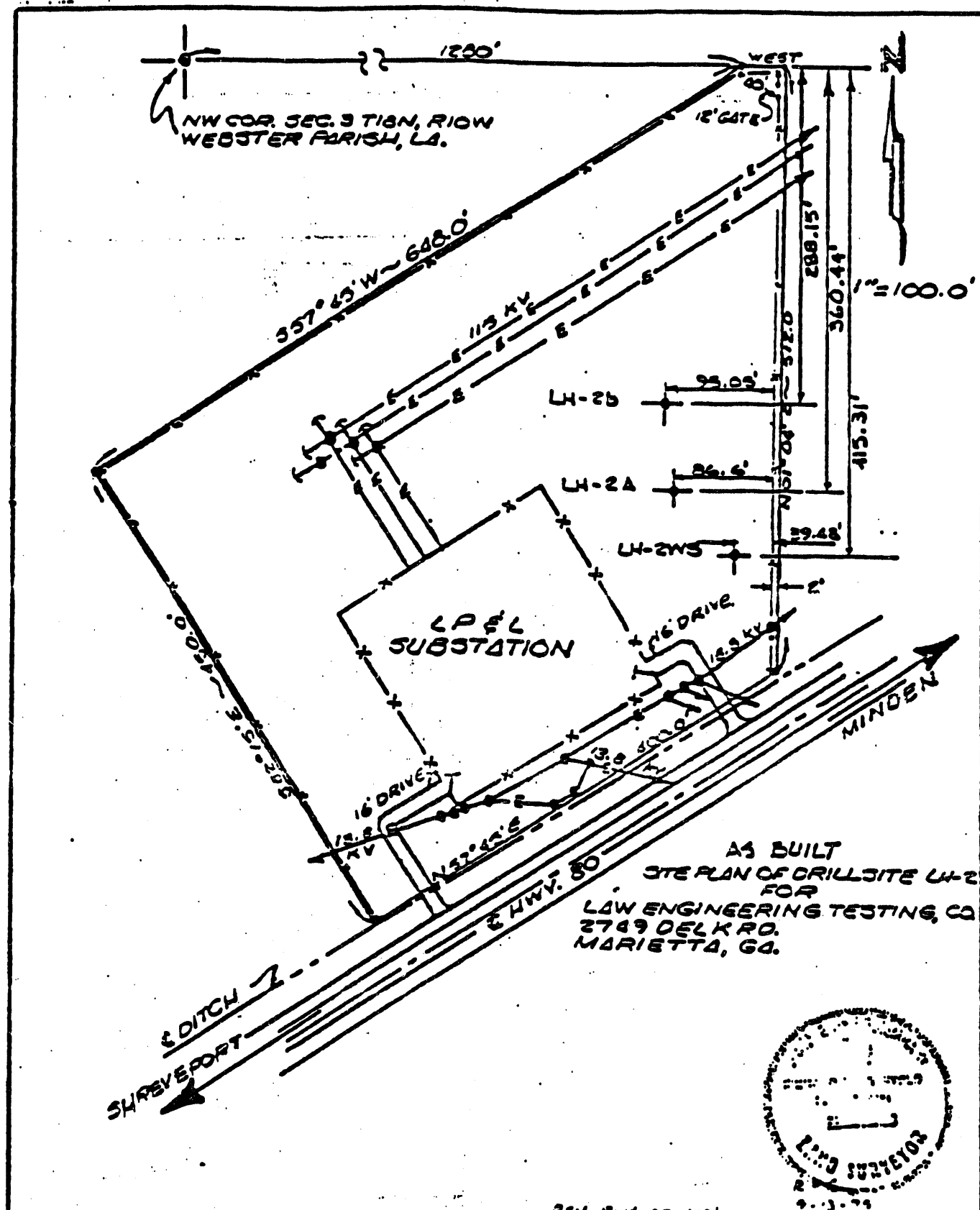
Please be advised that based on the information contained in your letter, we have no objection to the plugging procedure outlined in the subject letter. All other applicable Water Well Rules, Regulations, and Standards shall be complied with.

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

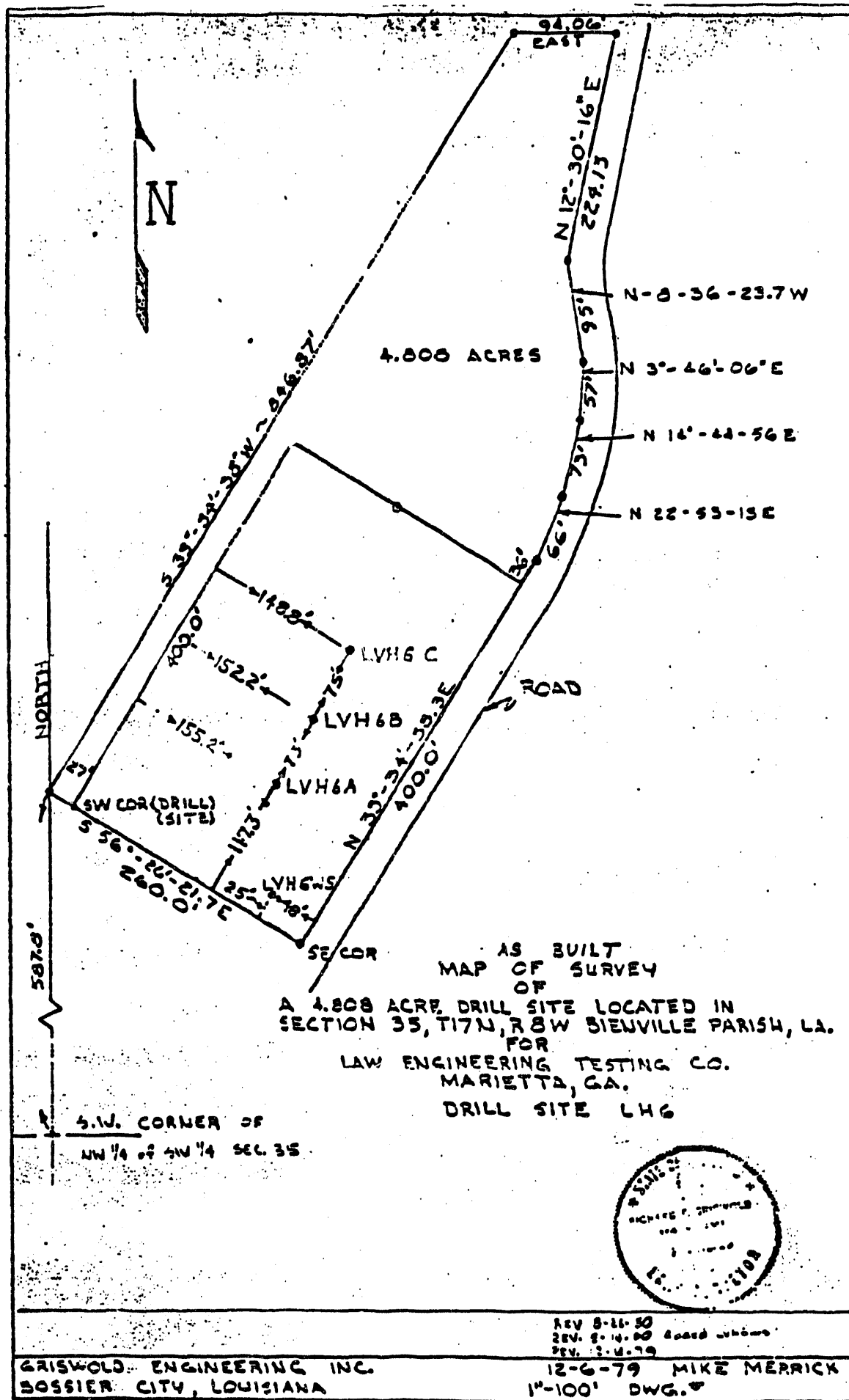
ZB:cec
cc: Mr. Richard T. Deconto

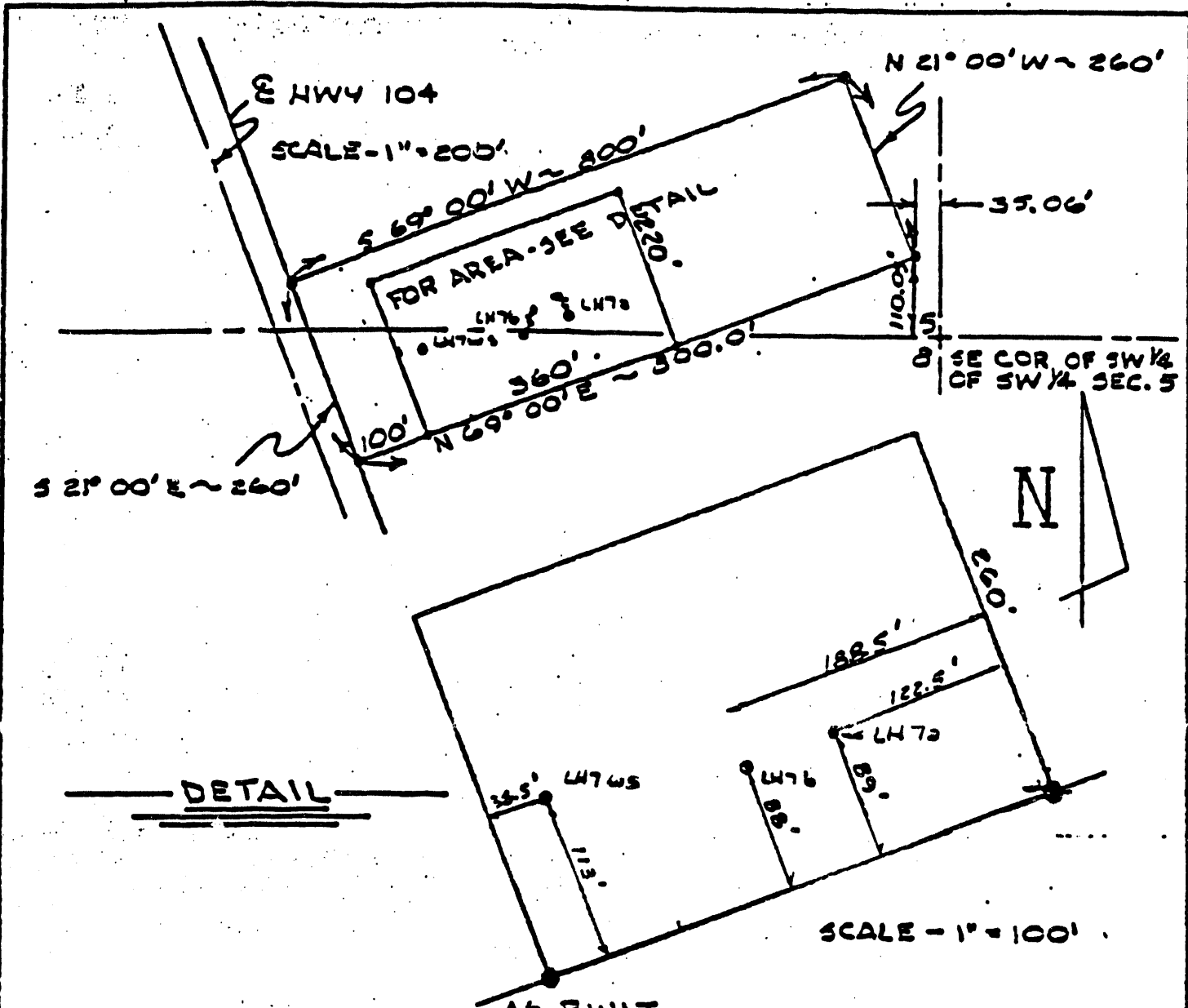


GRISWOLD ENGINEERING, INC.
BOSSIER CITY, LA. 318-742-0467

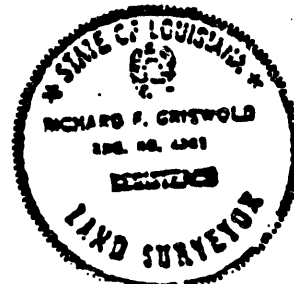
REV. 2-18-80 9-10-79
DWG. "LH-2-2"

NOTE: ORIGINAL REDUCED BY SWEC, ORIGINAL SCALE NO
LONGER VALID

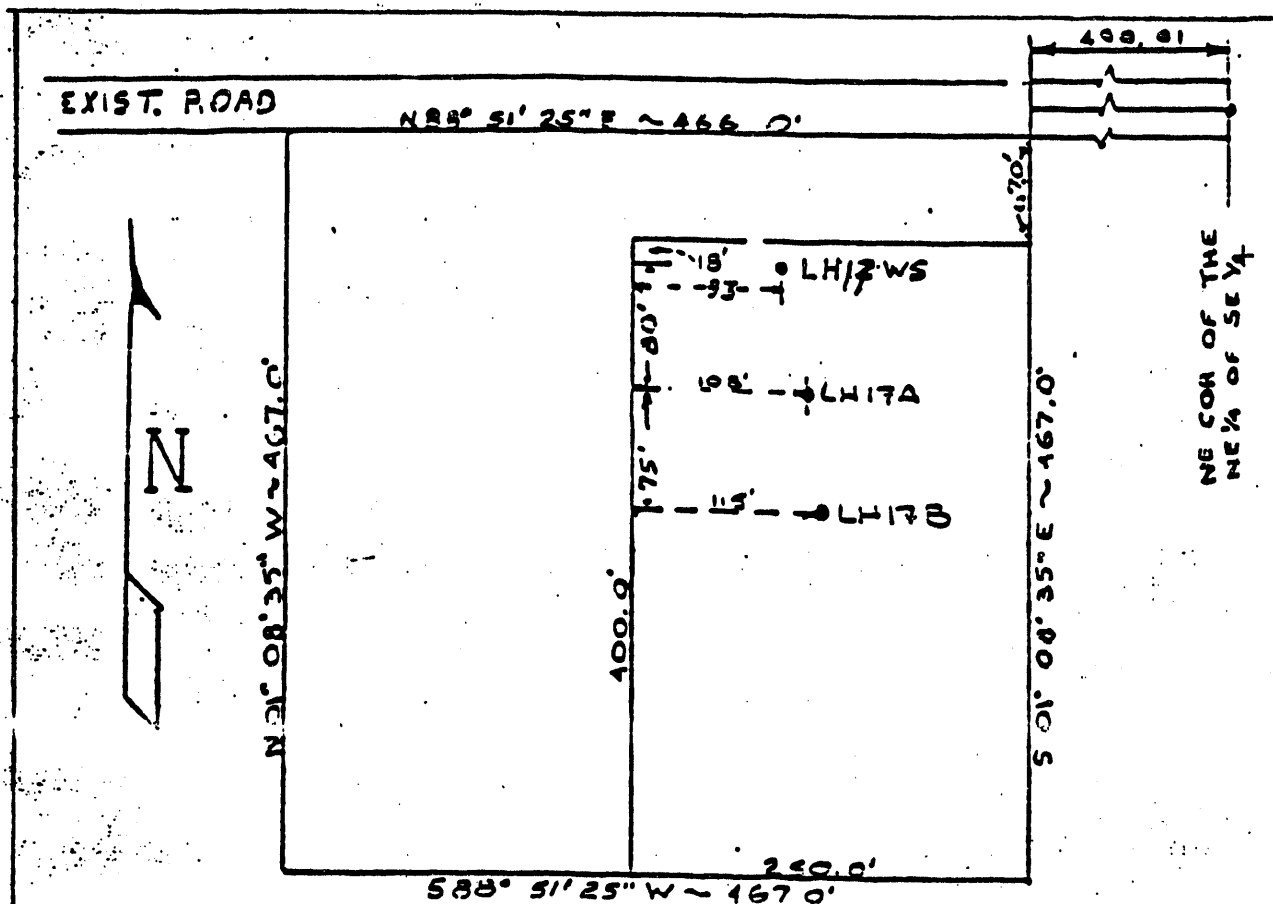




AS BUILT
 MAP OF SURVEY
 OF
 A 4.78 ACRE DRILL SITE LOCATED IN
 SECTIONS 5 AND 8, 17N, R3W BIENVILLE PARISH, LA.
 FOR
 LAW ENGINEERING TESTING CO.
 MARIETTA, GA.
 DRILL SITE LHT



GRISWOLD ENGINEERING INC.
 BOSSIER CITY, LOUISIANA
 REV. 5-14-90 AS BUILT
 12-5-79 MIKE MRRK.
 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



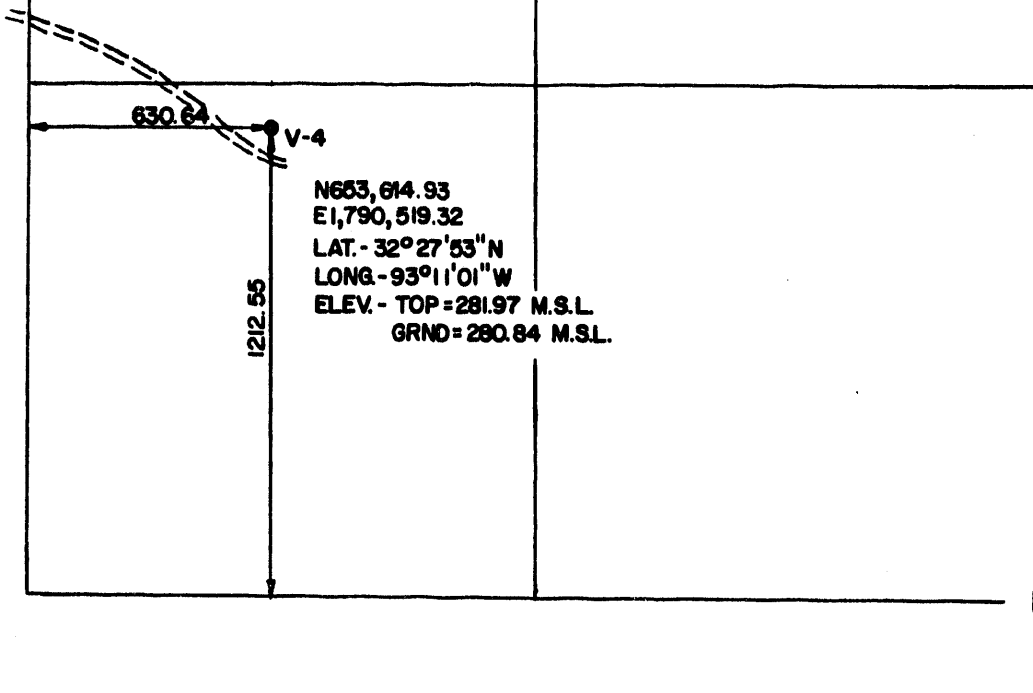
GRISWOLD ENGINEERING INC.
 BOSSIER CITY, LA.

REVISED 8-25-80

1" = 75'

NOTE: ORIGINAL REDUCED BY SW, ORIGINAL SCALE
 NO LONGER VALID

9 10
16 15



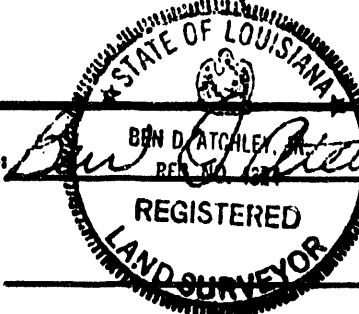
MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

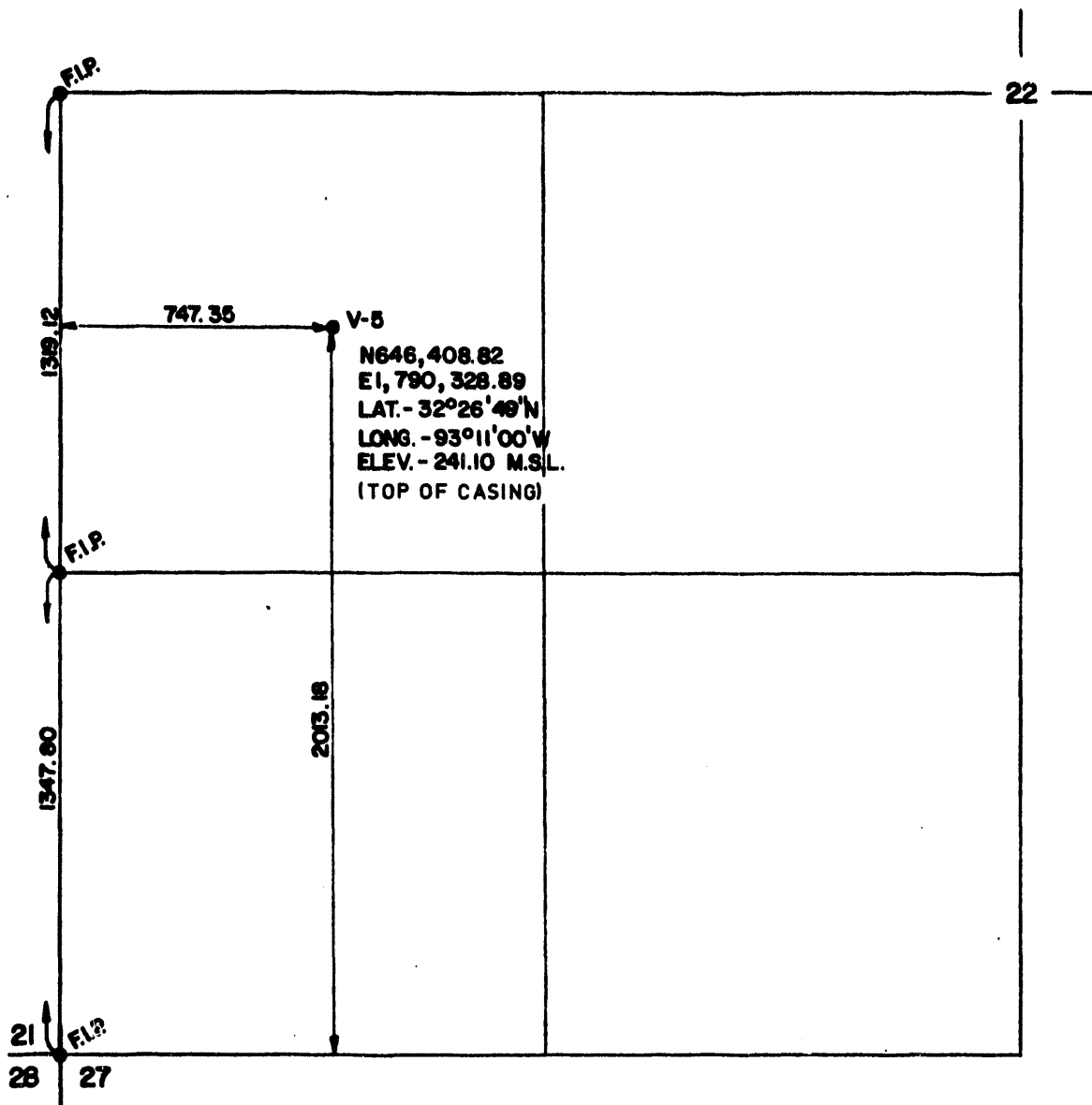
OF WELL V-4, LOCATED 1212.55 FT. FROM THE SOUTH LINE
AND 630.64 FT. FROM THE WEST LINE OF THE NORTHWEST
QUARTER OF SECTION 15, T17N, R8W, WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED:

DRAWN:





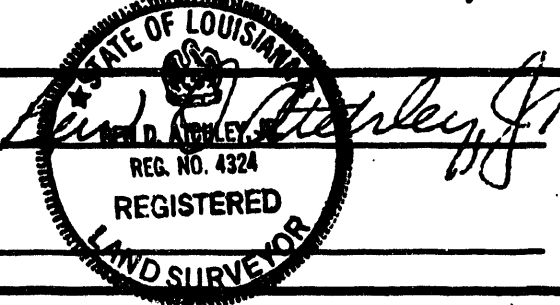
MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

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.

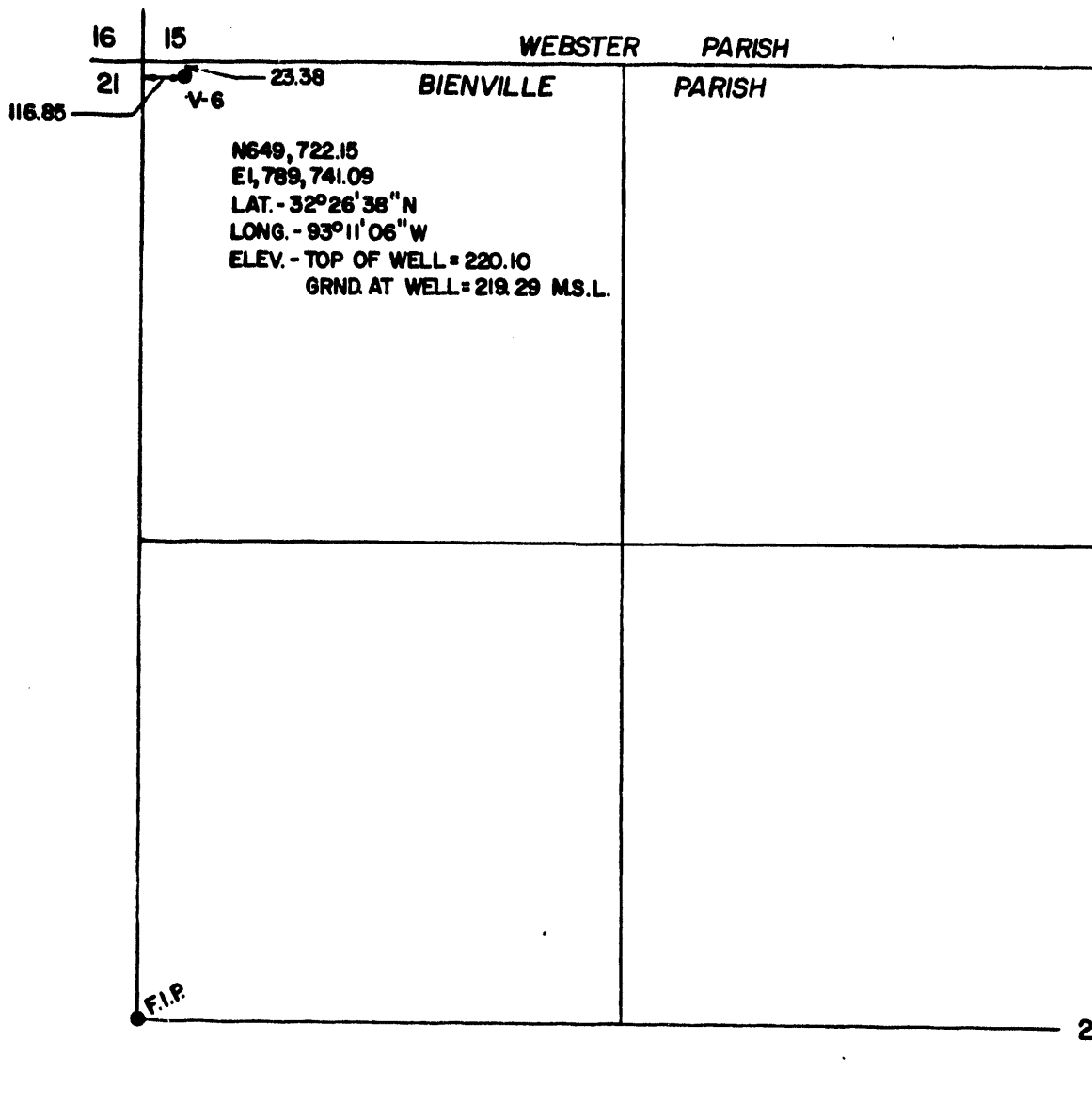


ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED:



DRAWN:



MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

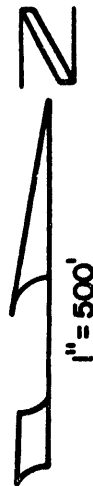
OF WELL V-6, LOCATED 23.38 FT. FROM THE NORTH LINE AND
116.85 FT. FROM THE WEST LINE OF SECTION 22, T17N, R8W,
BIENVILLE PARISH, LOUISIANA.

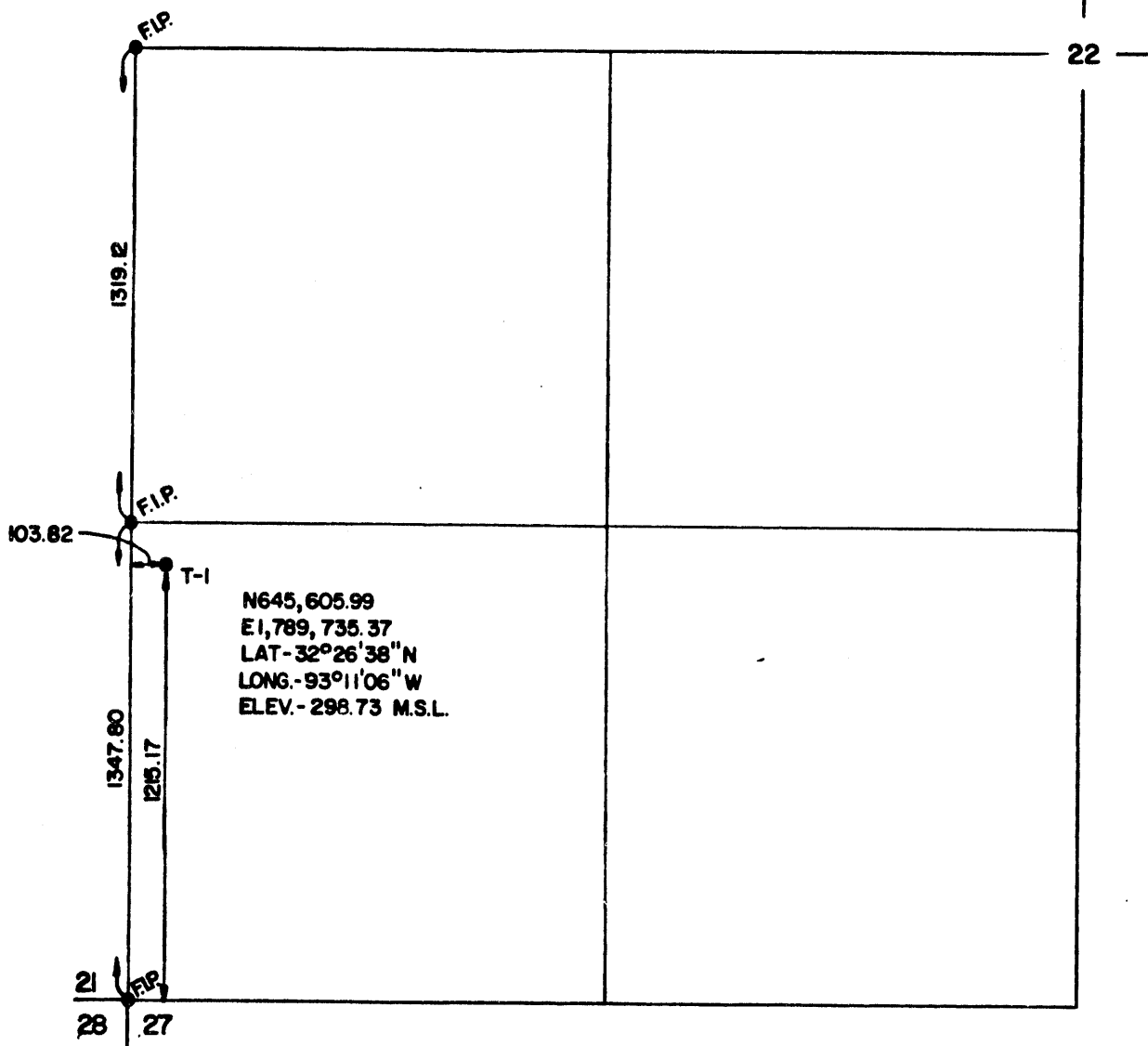
ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED: _____

DRAWN: _____







MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

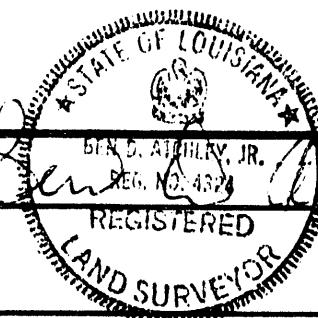
OF TILTMETER T-1, LOCATE 1215.17 FT. FROM THE SOUTH LINE AND
103.82 FT. FROM THE WEST LINE OF SECTION 22, T17N, R8W,
BIENVILLE PARISH, LOUISIANA.

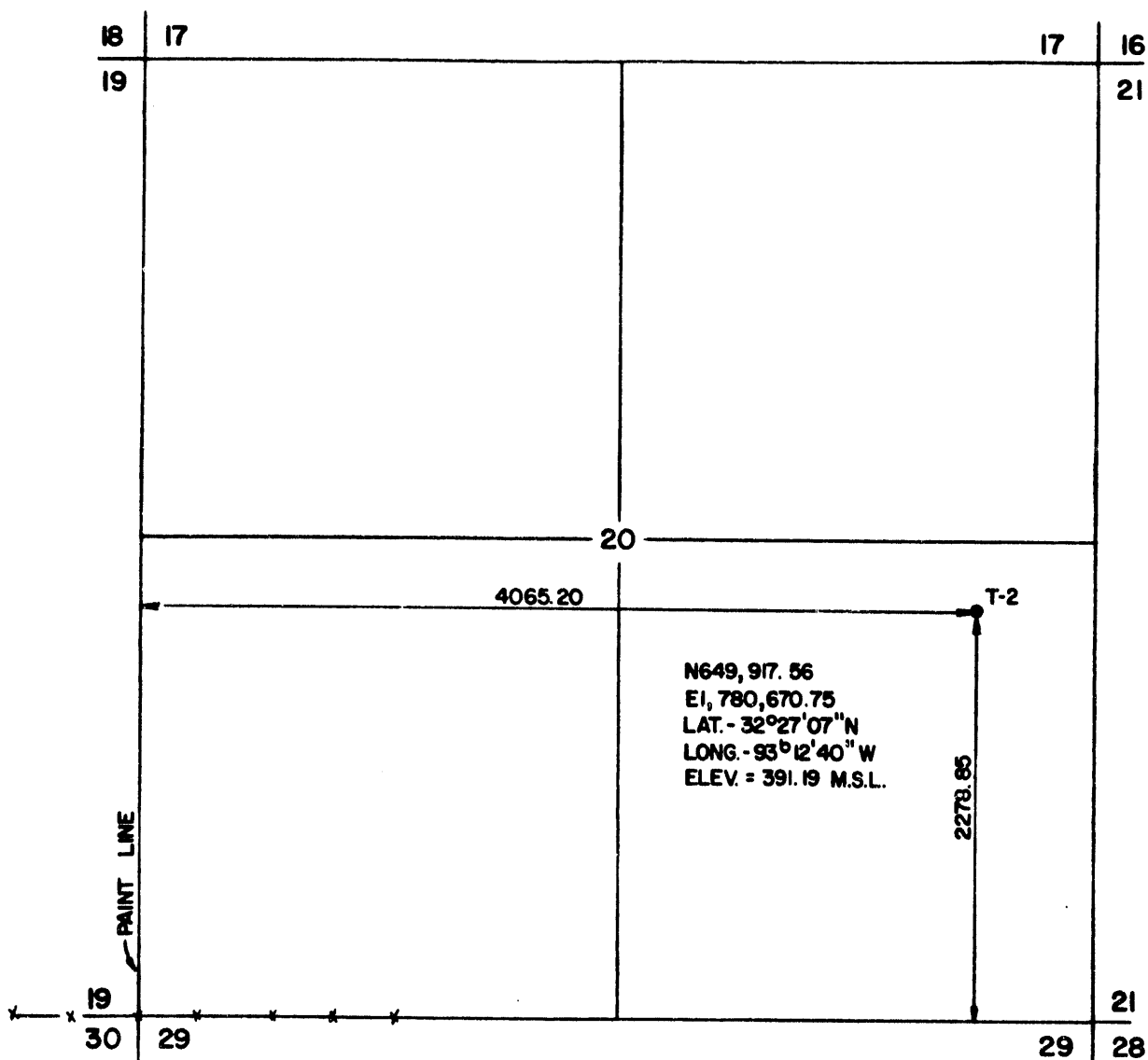


ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED: _____

DRAWN: _____





N649, 917.56
 E1, 780, 670.75
 LAT. - 32°27'07"N
 LONG. - 93°12'40"W
 ELEV. = 391.19 M.S.L.

MAP OF LOCATION
 FOR
 STONE & WEBSTER ENGINEERING CORPORATION

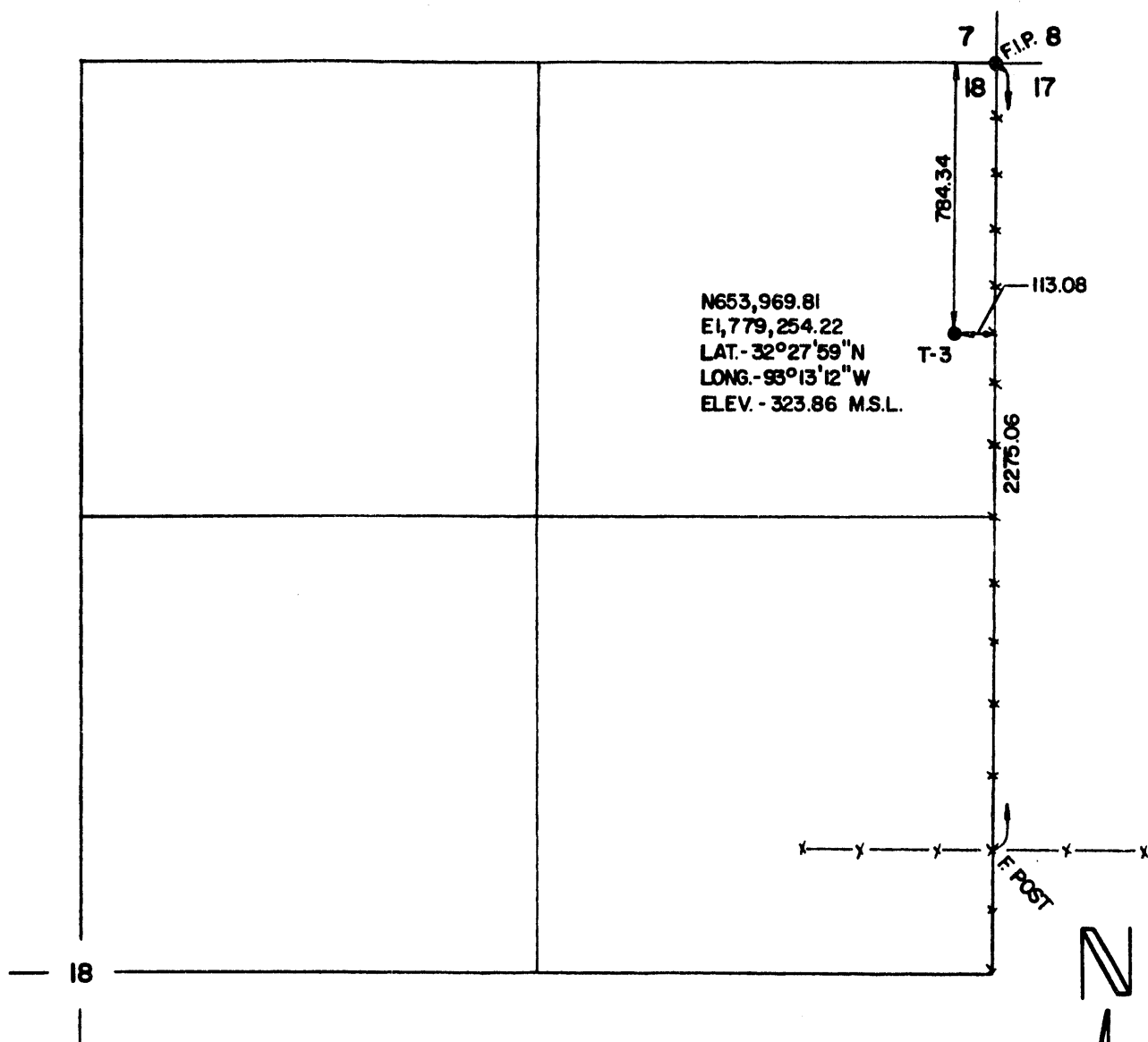
OF TILTMETER T-2, LOCATED 2278.85 FT. FROM THE SOUTH LINE
 AND 4065.20 FT. FROM THE WEST LINE OF SECTION 20,
 T17N, R8W, BIENVILLE PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.
 CONSULTING ENGINEERS
 412 LaSalle St.
 Shreveport, Louisiana (318) 222-5821

SIGNED: _____

DRAWN: _____





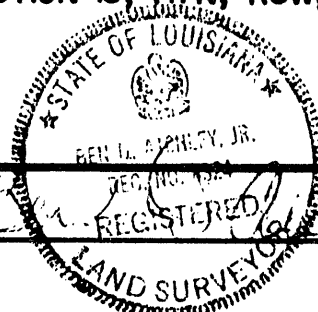
MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

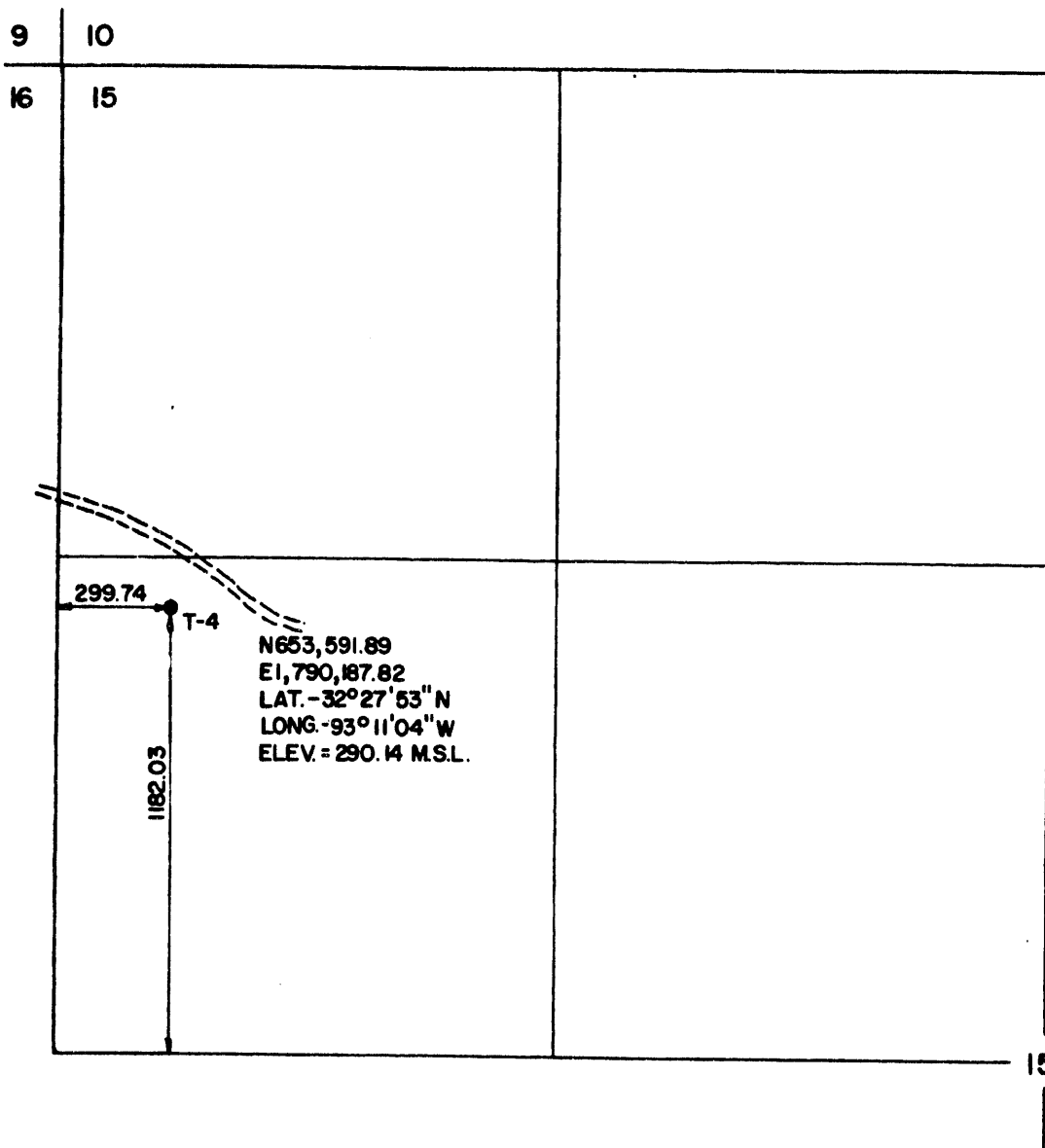
OF TILTMETER T-3, LOCATED 784.34 FT. FROM THE NORTH LINE
AND 113.08 FT. FROM THE EAST LINE OF SECTION 18, T17N, R8W,
WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED: _____

DRAWN: _____





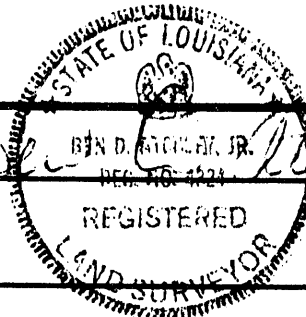
MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

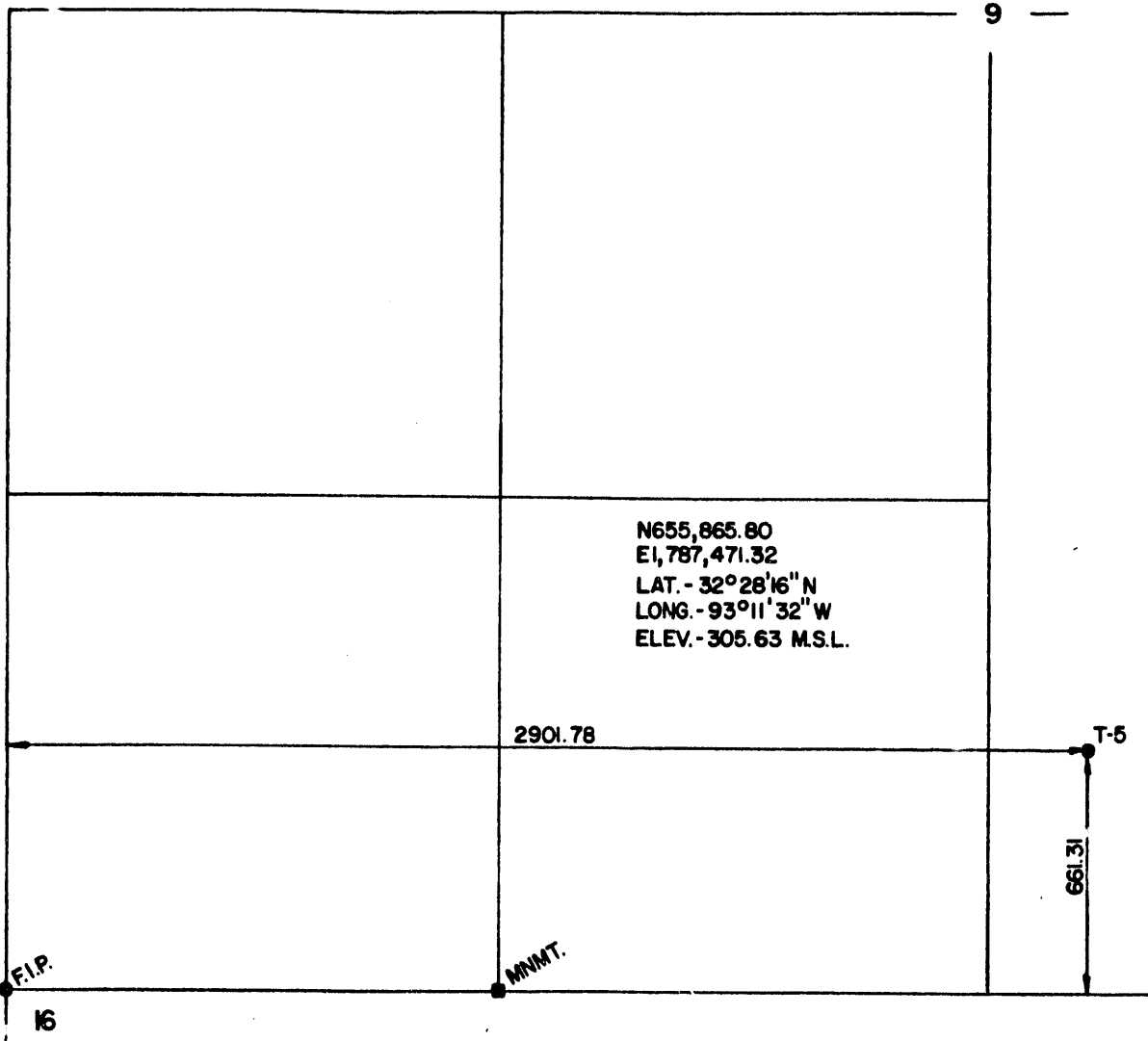
OF TILTMETER T-4, LOCATED 1182.03 FT. FROM THE SOUTH LINE AND
299.74 FT. FROM THE WEST LINE OF THE NORTHWEST QUARTER
OF SECTION 15, T17N, R8W, WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED: _____

DRAWN: _____





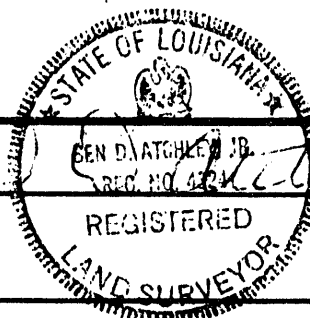
MAP OF LOCATION
FOR
STONE & WEBSTER ENGINEERING CORPORATION

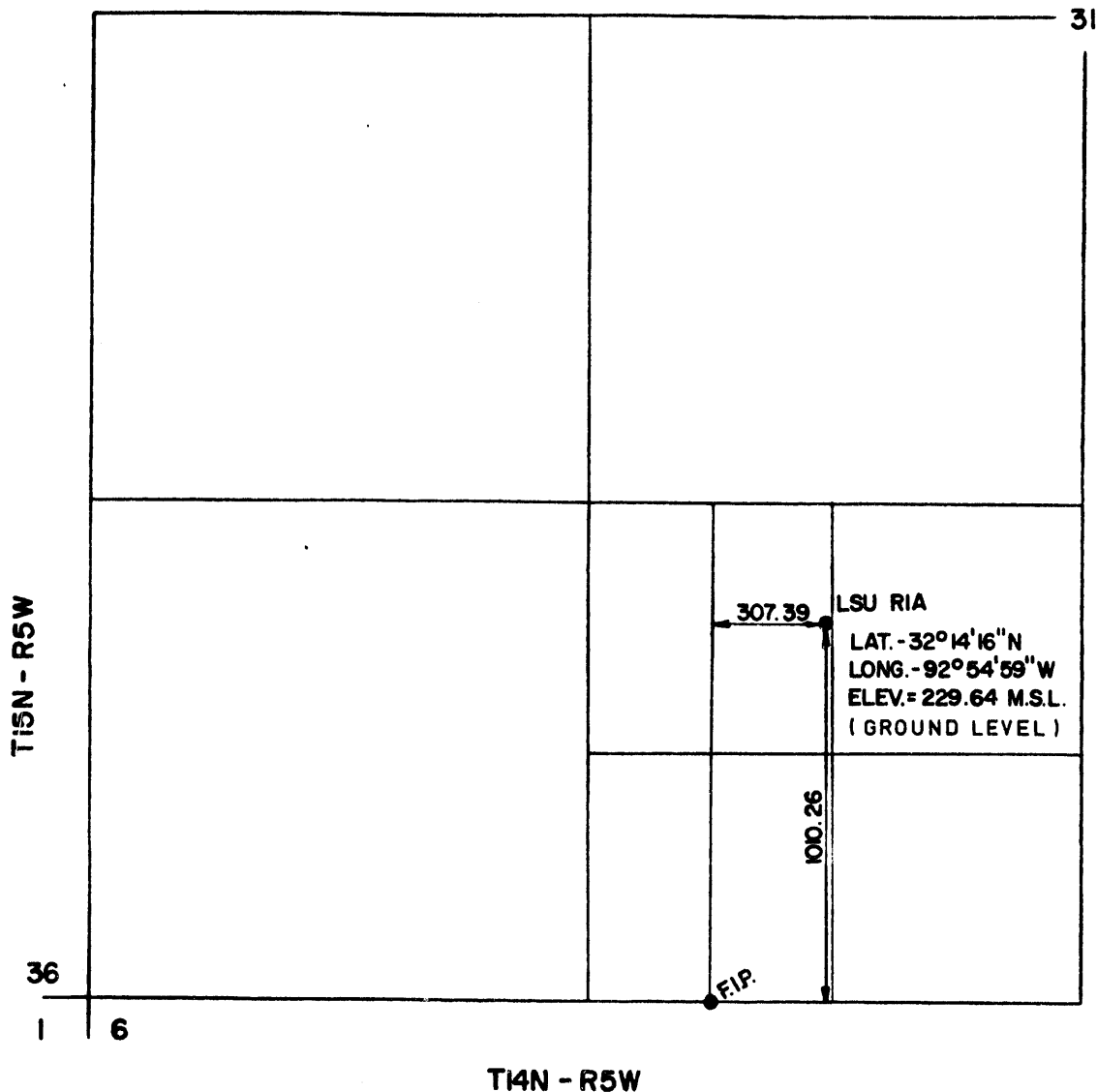
OF TILTMETER T-5, LOCATED 2901.78 FT. FROM THE WEST LINE AND
661.31 FT. FROM THE SOUTH LINE OF SECTION 9, T17N, R8W,
WEBSTER PARISH, LOUISIANA.

ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED: _____

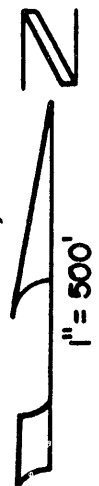
DRAWN: _____





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 100.26 FT.
FROM THE SOUTH LINE OF SECTION 31, TOWNSHIP 15 NORTH,
RANGE 5 WEST, BIENVILLE PARISH, LOUISIANA.



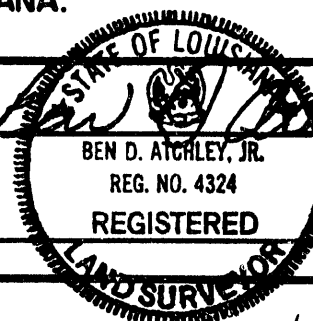
ATCHLEY & ATCHLEY, INC.
CONSULTING ENGINEERS
412 LaSalle St.
Shreveport, Louisiana (318) 222-5821

SIGNED:

BEN D. ATCHLEY, JR.
REG. NO. 4324

DRAWN:

REGISTERED



1-11 P10



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-R1A 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

DAMAGE RELEASE

REGISTRY
NUMBER

2221

AE-

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.

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:

[Signature]
[Signature]

[Signature]
Garland P. Theus

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)

My Commission Expires:

RECEIVED & FILED
BIENVILLE, LA.
NOV 29 1988
CLERK OF COURSE & RECORDS
BIENVILLE, LA.
Clerk BK 514 P. 210

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, accruing 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:

OWNERS:

Dea Ann Holmes
Debra S. Lafon

LOUISIANA MINERALS, LTD.
B. F. Shell, Jr.

STATE OF Texas County Harris

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.

(SEAL)

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. DACW43-5-87-6 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. KraneS

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 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: 

LESSOR

By: 

CAROLYN M. HOLLEY

NOTED JUL 14 1989 R.Kranes

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~~^{147A} 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: 

ANDERSON D. SANDELIN
Chief, Real Estate Division

LESSOR

By: 

EFFIE HOLLEY SMITH CONNELL

By: 

BILLY JEAN SMITH

By: 

BETTY JO SMITH ROBINSON

NOTED JUL 14 1989 R.Kranes

June 19, 1989

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. KRAVES OF: CWEC
TO: W. R. ROBERTS OF: LA. POWER & LIGHT

SUBJECT: RESTORATION OF LH-2 well site on
LP&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 LP&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)-enc

SRS890118011
EMWasher
CAFoster
JHPeck
JKantola
Project Files (M9)
RKranes

Mr. 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 Vacharie and Rayburns Salt Domes.

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.

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 & 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.

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 & 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

CAF:cd

NOTED MAY 16 1989 C.A.Foster

APPENDIX D

LIST OF PERSONAL COMMUNICATION REFERENCES

1989

NOTES OF CONFERENCE

Location & DNR Baton Rouge 6/17/88 : 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 ^{regulatory} 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 $2\frac{1}{2}$ ohms

IF logs were not run in well OC will extrapolate from other nearby wells
OC will assist SWEC if we request

- All annulus 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.

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?
DoTD recommends, drill out top 25 ft if we can find holes & cement to G.S.

689

DOC - STATEWIDE ORDER 29-B

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 suggest 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 ^HWD). 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 funnels 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 DeVall or Frank Savant,

Shreveport office 318-226-7585.

DOC Box 3250

711-03

1960 Jordan St

DOC 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 & 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 fresh water 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 Doc. 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. U

TIME _____

OF SINCE

TO: ARMED SERVICES (54-38853) BATTELLE

SUMMARY ANNUAL REPORT (BLUE AND RED)
SURVEYS NOT REPORT IN ANNUAL
REPORT - ALL SENT TO COL. OHIO
PLUGGING - BACKFILL W/ WATER
OUT OF HOLE BARORITE MUD
R & T FILL CONCRETE AND MUD @
E' W HIGHWAY CROSS BLACK LAKE
BAYOU - BLUE REPORT SHOWS
BLUE LOCATE GRAD CIDE @ LSU, & J. HOME
E S LINE LSU GRAD STUDENT.

HE'LL CALL ME BACK IF HE FIND MICRO. INFO

DISTRIBUTION:

OTHERS

Telephone Memorandum
SEM
Technical & Field Services Contract

CALL DATE 7/8/88 TIME _____

From: R. DeCorto OF SWEC

504-342-8950
To: George Krainer OF DEQ, A.

SUBJECT DEQ Jurisdiction

SUMMARY DEQ requests that they be
informed with regard to planning & characterization
of Shallow Boreholes & Geotechnical Boreholes
Particular 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

~~EMWasher~~
EMWasher
Project Files

OPTIONAL

DTKillilea _____
CMcShain _____
RGBurns _____
DSDuncan(Bechtel) _____
JHPeck _____
WSGray(Bechtel) _____

OTHERS

DLPentz (Golder) _____
RJByrne (Golder) _____
JMcCleary (WCC) _____
CWilgus(Everest) _____
HParker (S&W) _____

CA Foster _____
R.T. Decortel _____

NOTES OF CONFERENCE

1 of 3

LOCATION: DEPARTMENT OF NATURAL RESOURCES,
OFFICE OF CONSERVATION, BATON ROUGE, LA.

DATE: 8/15/88 10: AM

ATTENDEES: Bill Walter: OC

Clyde Carlson: DOTD

R. Krane: 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 organization. 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 (< 10000 TDS) from salt water. Prior to the meeting, R. Krane 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 LH-7 site wells

All LH-17 site wells also R.K.

All LVH-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 LVH-6A, 6B, & 6C wells. Bill Walter recommended:

- perforating & squeezing ⁷⁵ too sacks 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 ^{performed} 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 OC, however DOTD need to check.

- Restoration of Pit at LSW 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 20 - 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 Walters said there would be no problem for those shallow depths.

J.O. No. 17500.
Job Book No. T2.
Subject Files

Telephone Memorandum
SEM
Technical & Field Services Contract

CALL DATE 9/20/88 TIME _____
From: R DeConto OF SWEC
To: Bo Bolunchi OF DOTD La.
SUBJECT Squeezing LH-7WS

SUMMARY Informed Bo that the CBL in
LH 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 perforation
3) Recommends only squeeze zones not previously cemented.
ACTION REQUIRED Plug above sand plug to G.L.
Do not squeeze

DISTRIBUTION:

STANDARD

~~STRIP~~
ENWasher
Project Files

OPTIONAL

DTKillilea _____
CEMcShain _____
RGBurns _____
DSDuncan(Bechtel) _____
JHPeck ☒ _____
WSGray(Bechtel) _____

OTHERS

DLPentz (Golder) _____
RJByrne (Golder) _____
JMcCleary (WCC) _____
CWilgus(Everest) _____
HParker (S&W) _____

CAFoster ☒
R DeConto ☒

Telephone Memorandum
S&W
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 serial 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:
1/4-971960 & 1/5-971961 & 1/6-971962
1/7-971963 & LSUBRIA-971964. Walter said
to file work permits at Baton Rouge Office.
Notification of 12hr prior to plugging is not
required. Also perforation of riser pipe to
fill annular space between riser & casing is not
ACTION REQUIRED 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

DTKillelea _____
CBMcShain _____
RGBurns _____
DSDuncan(Bechtel) _____
JHPeck ☒ _____
WSGray(Bechtel) _____

OTHERS

DLPentz (Golder) _____
RJByrne (Golder) _____
JMcCleary (WCC) _____
CWilgus(Everest) _____
HParker (S&W) _____

~~P. DeConto~~
~~CP Foster~~

Telephone Memorandum
S&W
Technical & Field Services Contract

CALL DATE 10-11-88

TIME 2:30

From: JOEL O. KANTOLA OF SWEC

To: MR. GARNER

MCCOLLAND ENGINEERS
B NOW KNOWN AS
OF GRUB GARNER AND HUFKIN

SUBJECT REQUEST DAILY REPORTS ON VACHERIE
SHALLOW BORING.

SUMMARY REQUESTED INFO ON SHALLOW
BORING @ VACHERIE. 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)___

DLPentz (Golder)___
RJByrne (Golder)___
JMcCleary (WCC)___
CWilgus(Everest)___
HParker (S&W) ___

OTHERS

D. DUCENTE ✓
A. FOSTER ✓
✓
✓
✓
✓

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: R. KRANES OF: SWEC
TO: FOWLER DRILLING OF: _____

SUBJECT: RECORDS RELATING TO THE BACKFILLING OR
GROUTING OF LSU. QUATERNARY STUDY BOREHOLES

SUMMARY: MR. FOWLER SAID HE HAD NO FORMAL RECORDS
INDICATING THAT THE BOREHOLES WERE GROUTED OR
BACKFILLED, BUT IT WAS COMMON PRACTICE WITH HIM AND
MOST OTHER DRILLERS TO PUT ALL MUD + CUTTINGS 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: SWEC
TO: I.W. ROWLAND OF: 377-5189
T-5 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 <u>✓</u>	C.B. MCSHAIN <u>_____</u>	<u>_____</u>
C.A. FOSTER <u>✓</u>	R.G. BURNS <u>_____</u>	<u>_____</u>
J.H. PECK <u>✓</u>	C.E. HOUK <u>_____</u>	<u>_____</u>
	F.J. DEHLER <u>_____</u>	<u>_____</u>

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: 8:00 PM
FROM: R. KRAVES 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 SHE 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 <u>/</u>	C.B. MCSHAIN <u>_____</u>	<u>_____</u>
C.A. FOSTER <u>/</u>	R.G. BURNS <u>_____</u>	<u>_____</u>
J H. PECK <u>/</u>	C.E. HOUK <u>_____</u>	<u>_____</u>
	F.J. DEHLER <u>_____</u>	<u>_____</u>

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 ^{plugging} cement removed from the ground surface.

R. Krane

Dec. 19, 1988 settlement finalized

J.O. NO. 17500.
JOB BOOK NO. T2.
SUBJECT FILES

TELEPHONE MEMORANDUM
S & W
TECHNICAL AND FIELD SERVICES CONTRACT

CALL DATE: 12-8-88 TIME: 10:30
FROM: Clyde Knox - district manager OF: Willamette Industries
TO: R. Kraines OF: SWEC

SUBJECT: Acceptability of site restoration - DOE Continental F. I. #1

SUMMARY: • Mr. Knox inspected the site and found the restoration effort sufficient and acceptable
• R. Kraines informed Mr. Knox that the COE would be contacting him regarding the release of the site. Mr. Knox acknowledged the process required.

ACTION REQUIRED: Notify COE of work completed and landowner acceptance of site restoration.

DISTRIBUTION:

STANDARD	OPTIONAL	OTHERS
E.M. WASHER _____	C.B. MCSHAIN _____	_____
C.A. FOSTER _____	R.G. BURNS _____	_____
H. PECK _____	C.E. HOUK _____	_____
	F.J. DEHLER _____	_____

J.O. No. 17500.
Job Book No. Y2.
Subject Files

Telephone Memorandum
S&W
Technical & Field Services Contract

CALL DATE 12-12-80

TIME 4:30

From: J.R. DIEHL

OF MARATHON OIL Co.
713-242-5193

To: J. Q. KANTOLA

OF SWEC

SUBJECT CONSERVATION W/ SHALLOW BOREHOLE QA REP. FROM
LETCo.

SUMMARY J.R. DIEHL SAID HE WAS A LETCo. QA 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:

STANDARD

DTKing
EMWasher
Project Files

OPTIONAL

DTKillilea _____
CBMcShain _____
RGBurns _____
DSDuncan(Bechtel) _____
JHPeck _____
WSGray(Bechtel) _____

OTHERS

DPentz (Golder) _____
RJByrne (Golder) _____
JMcCleary (WCC) _____
CWilgus(Everest) _____
HParker (S&W) _____

END

DATE

FILMED

3/21/94

