

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

memorandum

TO: Distribution
FROM: Jim Albright/Don Brown
SYMBOL: EES-4-90-218
SUBJECT: PROPOSED SCHEDULE FOR FENTON HILL EXPERIMENTS

DATE: October 22, 1990

MAIL STOP/TELEPHONE: D443/7-4318

To help in planning Fenton Hill experimental operations in concert with preparations for the Long-Term Flow Test (LTFT) next summer, the following schedule is proposed. This schedule fits some of the realities of the next few months, including the Laboratory closure during the Holidays, the seismic monitoring tests in Roswell, and the difficulties of operating during the winter months. Whenever possible, cyclic pumping operations during the colder months will be scheduled so that the pump will be on during the late evening and early morning hours to prevent freezeup.

<u>EXPERIMENTAL OPERATION</u>	<u>ENDING DATE</u>
Third Repeat -- 15-MPa Pressure Plateau (cyclic pumping only to maintain approximately equal time above and below 15 MPa -- 2176 psi)	Oct. 28
Inflate Reservoir to 19 MPa (small Kobe) and, then stabilize the pressure with cyclic pumping using the big Kobe pump	Nov. 26 Dec. 6 1991
Long Shutin to allow pressure to decay to 10 MPa (some venting will probably be required)	early Feb.
Establish a 10-MPa Pressure Plateau with cyclic pumping	late Feb.
Inflate Reservoir to 15 MPa (small Kobe) and, then re-establish the 15-MPa Pressure Plateau	early Mar. late Mar.
Pump to Seismicity (last phase of Expt.2077), using our new pumps	late April
Then, level out the reservoir pressure at 16 MPa (2320 psi) by shutting in	early May
Experiment 2078 (high backpressure flow test), with a controlled pressure of about 2000 psi at EE-2A	late May or early June
Experiment 2079 -- To measure the waterloss (actually storage) during reservoir extension at an injection pressure of about 4200 psi. This will be a flow test similar to Expt. 2078, but with a higher injection pressure.	late June or early July

JNA/DWB:esm

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