

P.O Box 977
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(505) 327-1639



March 27, 1992

Mr. William J. Lemay
State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

RECEIVED
MAR 30 1992
OIL CON. DIV.,
DIST. 3.

Re: Administrative Order No. SWD-450
BHP Petroleum (Americas) Inc.
Gallegos Canyon Unit "13" No.1
Sec. 13, T29N, R13W

Gentleman:

BHP is requesting a surface injection pressure of 900 PSI for the G.C.U. 13 No.1 SWD. A step rate test was performed on 03-23-92 with Mr. Denny Foust, Oil Conservation Division representative present. Prior to running the step rate test, BHP injected 1,440 bbl's at 550 PSI and then shut the well in for 18 hours.

An electronic bottom hole pressure bomb was run and set at 2731' and The Western Company started the step rate test at 8:56 am. The attached chart shows the bomb pressure, calculated bottom hole pressure, surface pressure and the intercept point at 936 PSI. At 1.6 BPM the surface pressure decreased from 1020 PSI to 760 PSI, based on the information this was a break down of perforations in zone as the zone has never been acidized. The final pump rate was 4 BPM at 1020 PSI, with an ISIP of 620 PSI and a 15 minute shut in of 370 PSI.

If you have any questions, please call me at (505) 327-1639.

Sincerely,

Fred Lowery

Fred Lowery
Operations Superintendent

cc: Oil Conservation Division - Aztec
Mark Stevens - BHP