

State GH Well No. 1  
1980' FNL & 1980' FWL, Sec 21, T-16-S, R-35-E  
Lea County, New Mexico

DST RESULTS

DST NO. 1 12180-12316 MORROW CLOSED CHAMBER TEST TO  
EVALUATE SAND DRILLING BREAK 12262-12270: ON 5.5 MIN INITIAL  
PRE-FLOW AVERAGE FLOW RATE OF 83 BPD WAS CALCULATED INTER-  
PRETED AS RAT HOLE MUD. RAN 98 MIN ISIBHP. ON 33 MIN FINAL  
FLOW AVERAGE OF 8.4 BPD WAS CALCULATED WITH  
INDICATIONS OF VERY TIGHT FORMATION. RAN 90 MIN FSIBHP  
WITH SURFACE PRESSURE STABLE AND NO GAS BREAKING OUT.  
RECOVERED 1500 FT OF WATER CUSHION WITH CHLORIDES 1300 MPL  
AND RESISTIVITY 1.6 AT 55 DEG F AND 90 FT DRILLING FLUID  
17000 MPL AND 0.35 AT 54 DEG F. SAMPLE CHAMBER RECOVERY  
AT 400 PSI OF 0.42 CU FT OF GAS AND 1500 CC OF MUD WITH  
CHLORIDES 17000 MPL AND RESISTIVITY 0.35 AT 54 DEG F VS PIT  
MUD 120000 MPL AND 0.06 AT 54 DEG F. IHH 6325 PSI.  
5.5 MIN IFBHP 829-829 PSI. 98 MIN ISIBHP 1191 PSI.  
33 MIN FFBHP 782-782 PSI. 90 MIN FSIBHP 902 PSI. FHH 6312  
PSI. BHT 183 DEG F. VISUAL INTERPRETATION OF CHART  
FORMATION VERY TIGHT WITH FINAL SHUT-IN ALMOST LEVEL  
WITH FINAL FLOW BHP.

RECEIVED

MAR 9 1979

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BUREAU OF ECONOMIC ANALYSIS