

STATE "GO" GAS COM WELL NO. 1  
1980' FNL & 660' FWL, Section 2, Unit E, T-23-S, R-28-E  
Eddy County, New Mexico

DST RESULTS

DST NO. 1 6065-6245 DELAWARE CLOSED CHAMBER TEST TO  
EVALUATE SHOW INTERVALS 6067-6080 6168-6174 AND 6187-  
6232. ON 10 MIN INITIAL PRE-FLOW AVERAGE FLOW RATE OF  
4.26 MCFPD WAS CALCULATED WITH LOW GAS FLOW  
INDICATED. RAN 85 MIN ISIBHP WITH SURFACE PRESSURE  
STABILIZING RAPIDLY ON SHUT IN. ON 45 MIN FINAL FLOW  
AVERAGE FLOW RATE OF 6.75 MCFPD WAS CALCULATED WITH  
INDICATIONS OF RAT HOLE MUD COMING IN AND LOW FLOW OF  
GAS. RAN 120 MIN FSIBHP WITH SURFACE PRESSURE  
STABILIZING IN 30 MINS - GAS BREAKING OUT. BLOWDOWN  
INDICATED LIQUID RECOVERY OF 4 BBLS. RECOVERED 10 FT.  
OF FREE OIL AND 350 FT OR 2.14 BBLS OF DRILLING MUD  
WITH RESISTIVITY 0.08 AT 46 DEG F AND CHLORIDES 124000  
MPL. SAMPLE CHAMBER RECOVERY AT 180 PSI OF 0.32 CU FT. OF  
GAS 60 CC OF OIL 41.4 DEG API AT 60 DEG F AND 980 CC OF  
WATER WITH RESISTIVITY 0.08 AT 45 DEG F AND  
CHLORIDES 123000 MPL GOR 52. PIT MUD 0.10 AT 42 DEG  
F AND 128000 MPL. IHH 3082 PSI. 10 MIN IFBHP 193-193 PSI.  
85 MIN ISIBHP 2790 PSI STILL BUILDING SLIGHTLY.  
45 MIN FFBHP 2310231 PSI. 120 MIN FSIBHP 2803 PSI  
STILL BUILDING SLIGHTLY. GHH 3082 PSI. BHT 110 DEG F.  
VISUAL INTERPRETATION OF CHART INDICATES TIGHT ZONE  
WITH LOW FLOW PRESSURES.

DST NO. 2 7650-7715 BONE SPRINGS CONVENTIONAL TO EVALUATE  
SHOW INTERVAL 7653-7678: ON 5 MIN PRE-FLOW WITH WEAK  
BLOW OF AIR CONTINUING THROUGH PERIOD. RAN 60 MIN ISIBHP.  
ON 60 MIN FINAL FLOW HAD FAIR BLOW OF AIR CONTINUING  
THROUGHOUT TEST. RAN 120 MIN FSIBHP. RECOVERED  
5 FT OF FREE OIL AND 175 FT OF DRILLING FLUID WITH  
RESISTIVITY 0.08 AT 44 DEG F AND CHLORIDES 110000 MPL.  
SAMPLE CHAMBER RECOVERY AT 180 PSI OF 0.60 CU FT OF  
GAS AND 1360 CC OF OIL 40.8 DEG API AT 60 DEG F  
GOR 490. PIT MUD SAMPLE RESISTIVITY 0.09 AT 46 DEG F  
AND CHLORIDES 118000 MPL.  
IHH 3778 PSI. 5 MIN IFBHP 53-79 PSI.  
60 MIN ISIBHP 2043 PSI. 60 MIN FFBHP 79-142 PSI.  
120 MIN FSIBHP 2575 PSI. FHH 3778 PSI. BHT 130 DEG F.  
VISUAL INTERPRETATION OF CHART INDICATES LOW  
PERMEABILITY WITH BOTH SHUT IN PRESSURES STILL BUILDING.