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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.