

AMOCO PRODUCTION COMPANY

June 19, 1979

STATE "HC" #1

1980' FSL & 1980' FWL Sec. 21 T-16-S, R-35-E Unit K

DST RESULTS

DST #1 Cisco 11,140'-11,246'

ON 6-MIN INITIAL PRE-FLOW AVERAGE FLOW RATE OF 150 BPD WAS CALCULATED WITH INDICATIONS OF VERY LOW PERMEABILITY - RATHOLE MUD BEING PRODUCED. RAN 90-MIN. ISIBHP. ON 45-MIN. FINAL FLOW AVERAGE CLOSED CHAMBER FLOW RATE OF 7 BPD WAS CALCULATED. SHUT-IN AFTER 45 MINS. DUE TO SMALL AMOUNT OF PRODUCTION. RAN 150-MIN. FSIBHP. RECOVERED 6 IN OF OIL AND 1300 FT. FRESH WATER CUSHION WITH CHLORIDES 3005 MG/L AND RESISTIVITY 1.4 AT 80 DEG F. SAMPLE CHAMBER REC AT 450 PSI OF 450 CU FT OF GAS 100 CC OF OIL AND 950 CC OF GAS-CUT DRLG MUD WITH CHLORIDES 145000 MG/L AND RESISTIVITY 0.03 AT 80 DEG F VS PIT MUD CHLORIDES 149000 MG/L X RESISTIVITY 0.03 AT 80 DEG F. IHH 5905 PSI. 6 MIN IFBHP 678-678 PSI. 90-MIN ISIBHP 1761 PSI. 45 MIN FFBHP 678-678 PSI. 150 MIN FSIBHP 1108 PSI. 150 MIN FSIBHP 1108 PSI. FHH 5905 PSI. BHT 164.

DST #2 Morrow 12,704'-13,001'

ON 12 MIN INITIAL PRE-FLW AVG FLW RATE 118 BPD WAS CALCULATED W/INDICATIONS OF LOW PERM. RAN 60 MIN ISIBHP. ON 60 MIN FINAL FLW AVG CLOSED CHAMBER FLW RATE OF 50 MCF/D WAS CALCULATED. RAN 120 MIN FSIBHP. REC 75 FT OF DRILLING FL X 3000 FT WATER CUSHION. SAMPLE CHAMBER REC AT 1050 PSI OF 2.1 CU FT OF GAS X 1700 CC OF MUD W/CHLORIDES 212000 MG/L X RESISTIVITY 0.04 AT 78 F. IHH 7468 PSI. 12 MIN IFBHP 1567-1585 PSI. 60 MIN ISIBHP 2750 PSI. 60 MIN FFBHP 1585-1607 PSI. 120 MIN FSIBHP 4171 PSI. FHH 7377 PSI. BHT-190 F.

RECEIVED

JUN 22 1979

OIL CONSERVATION COMM.
HOBBS, N. M.