



P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

INDIAN HILLS UNIT "8"
1182' FSL & 1545' FWL
SEC 33, T-21-S, R-24-E
LEA, CO. N.M.

8/3/95 - MIRU UNITED RIG #1, SPUD 17 1/2" HOLE @ 0630 HRS, DRLD TO 16', SET 16" CONDUCTOR & CEMENTED TO SURFACE W/REDIMIX. NU ROTATING HEAD & BLOOE LINE. PU 12 1/4" BIT & AIR DRILLED TO 2,303'. (LOST ALL RETURNS @ 250' AIR/MIST DRLD 1,680' - 1,970', DRLD W. AERATED H₂O 1,970' - 2,303'.) TD SURF. HOLE 1500 HRS 8/10/95. RAN 48 JTS., 9 5/8", 36#, J-55 NEW CASING TO 2,096', FLOAT SHOE @ 2,095', FLOAT COLLAR @ 2,061'. COULD NOT RUN CSG PAST 2,096' DUE TO FILL.

CEMENTED 9 5/8" W/200 SX CLASS "C" W/10% GYPSUM, 5 PPS KOL-SEAL, 1/2 PPS CELLO WT. 14.6, YIELD 1.51. TAILED IN W/614 SX PSL "C" W/2% CACL₂, 5 PPS KOL-SEAL WT-12.6, YIELD 1.92 TOTAL SLURRY 264 BBLs. CSG CAPY - 162 BBLs. ENCOUNTERED 3500# PUMP PRESSURE DURING CMT. HOLE BRIDGING OFF. UNABLE TO DISPLACE CEMENT FROM CASING. SHUT DOWN CEMENTING OPERATION. WOC 11 HRS DRILLED CEMENT W/8 3/4" BIT TO 2,060'. RAN CBL & TEMP SVY. FOUND TOC @ 1,140'. RAN 1" TO 630', HIT OBSTRUCTION. MIXED AND PUMPED 100 SX CLASS "C" W/3% CACL₂ @ 12.6 PPG, 1.32 YIELD. WOC 4 HRS. RAN 1" TO 540' TAGGED CEMENT. MIXED AND PUMPED 100 SX CLASS "C" W/4% CACL₂ @ 12.6 PPG, 1.32 YIELD. WOC 4 HRS. RAN 1" TO 280', PUMPED 200 SX CLASS "C" W/4% CACL₂ WT - 12.6 YIELD 1.32. WOC 1 HR, RAN 1" TO 210', PUMPED 100 SX CLASS "C" W/4% CACL₂ WT - 12.6, YIELD 1.32. WOC 1 HR, RAN 1" TO 120', PUMPED 100 SX CLASS "C" W/4% CACL₂ WT-12.6, YIELD 1.32. WOC 1 HR, RAN 1" TO 75', PUMPED 50 SX CLASS "C" W/4% CACL₂ WT-12.6, YIELD 1.32 - CIRCULATED 17 SX CEMENT TO SURFACE. INSTALLED 11" 3M X 9 5/8" 3M CASING HEAD. TESTED WELD TO 500 PSI.

8/14/95 - RD UNITED RIG #1 1900 HRS. MIRU MCVAY #4. INSTALLED BOP'S. TESTED BLIND & PIPERAMS, CHOKE LINES AND MANIFOLD, KILL LINE, FLOOR VALVES AND MUD LINES TO 300/3000 PSI. TESTED ANNULAR TO 1,500 PSI. TIH TO 2,000', TESTED CSG, TO 1750 PSI. TAGGED FLOAT COLLAR @ 2061'. DRILLED FC & CEMENT TO 2,085', TESTED CASING TO 1750 PSI. DRILLED SHOE & FORMATION TO 2,110'. TESTED FORMATION TO 11 PPG EMW W/ 290 PSI SURFACE PRESSURE.

RESUMED DRLG FORMATION W/8 3/4" BIT TO 8,350' TD @ 0200 HRS 8/28/95. TOOH W/DP RU LOGGERS. INSTALLED PACKOFF, W.L. BOP & PUMP IN SUB. LOGGED WELL AS FOLLOWS: FMI/NGI 8,337' - 7,600', CNL/GR 8,338' - SURF. CNL/LDT/GR 8,338' - 2,096', DLL/ML/MSFL 8,338' - 2,096' RD LOGGERS, TIH. LDDP. CHANGED RAMS TO 7". RAN 74 JTS., 7", 26#, K-55, (3,200') & 110 JTS 23#, (5,169') TO 8,360', FLOAT SHOE @ 8,358', FLOAT COLLAR @ 8,268' DV @ 6,285'.

CEMENTED 1ST STAGE W/400 SX CLASS "H" W/5 PPS CSE. .6% CF-14, .3% WL-1P, 3 PPS KOL SEAL, WT-15.5, YIELD 1.29. DISPLACED W/MUD & H₂O TO DV, BUMPED PLUG, SHIFED TOOL CIRC 113 SX TO SURFACE. CIRC W/RIG PUMP 3 HRS CMTD 2ND STAGE W/725 SX PSL "C" + 6% GEL, 5% NACL 3 PPS KOL-SEAL, .2% LWL WT 12.6 PPG YIELD 1.99, TAILED IN W/ 100 SX "C" NEAT. ND BOP'S, SET SLIPS W/175K CUT CSG. INSTALLED 11" 3M X 7 1/16" 3M TBG HEAD, TESTED SEALS TO 3000 PSI. RELEASED RIG @ 1800 HRS 8/30/95.

WJD/RDP/IH08.wpd