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NORTH INDIAN BASIN UNIT "21"
2245' FNL & 1815' FEL
SEC 11, T-21-S, R-23-E
EDDY, CO. N.M.

PRE SET 16" CONDUCTOR @ 21', CEMENTED TO SURFACE W/REDIMIX. MIRU UNITED #5. SPUD 12 1/4" HOLE @ 2000 HRS. 8/30/95, AIR/MIST DRILLED TO 1,210'. TD @ 1315 HRS 9/3/95. RAN 28 JTS., 9 5/8", 36#, J-55 STC NEW CASING TO 1,210', FLOAT SHOE @ 1,208', FLOAT COLLAR @ 1,170'.

RU BJ., CEMENTED TO SURFACE W/200 SX THIXAD 3% CACL₂, 10 PPS GILSONITE, 1/2 PPS CELLO (WT-14.6, YIELD 1.55. FOLLOWED BY 225 SX PSL 'C' LITE W/3% CACL₂, 10 PPS GILSONITE, 1/4 PPS CELLO (WT-12.5, YIELD 2.01) TAILED IN W/70 SX 'C' W/2% CACL₂, WT-14.8, YIELD 1.33. PRESSURE INCREASED TO 3500 PSI. WHILE MIXING TAIL SLURRY, SHUT DOWN MIXING, DID NOT DISPLACE CEMENT FROM CASING. POSSIBLE FLASH SET OR BRIDGING.

CUT 9 5/8" CASING, NU ROTATING HEAD, PU 8 3/4" BIT, WASHED CEMENT IN 9 5/8" TO 1,148'. RAN CBL FOUND TOC @ 580'. RAN 1' TO 530'. MIXED & PUMPED 755 SX CLASS 'C' W/2% CACL₂, WT-14.6, YIELD 1.33. WOC 3 HRS. RIH W/1" TAGGED TOC @ 250'. MIXED & PUMPED 100 SX CLASS 'C' W/2% CACL₂, WT-14.6, YIELD 1.33. CIRCULATED 32 SX CEMENT TO SURFACE.

CUT 9 5/8" INSTALLED 9 5/8" X 11" 3M SOW CASING HEAD. TESTED WELD TO 500 PSI. RELEASED UNITED #5 @ 0600 HRS 9/5/95.

9/07/95 - MIRU MCVAY #4. INSTALLED 11" 3M DUAL RAMS, ANNULAR & CHOKE MANIFOLD. TESTED RAMS, CHOKE AND KILL LINES, MANIFOLD, FLOOR VALVES AND MUD LINES TO 300/3,000 PSI. TESTED ANNULAR TO 1,500 PSI. TIH W/ 8 3/4" BIT & TAGGED @ 1,164', TESTED CASING TO 1750 PSI. DRILLED CEMENT AND FLOAT TO 1,198', TESTED CASING TO 1750 PSI. DRILLED SHOE & RESUMED DRLG FORMATION.

DRILLED 8 3/4" HOLE TO 9,470', TD @ 0930 HRS 9/25/95. TOH, LOGGED WELL AS FOLLOWS: CNL/GR - 9,470'. SURFACE, SONIC GR/SP 8,000' - 7,400', FMI/GR 8,000' - 7,400'. LAY DOWN DP., CHANGED RAMS TO 7'. RAN 107 JTS., 7", 26#, K-55, LTC (4,757') & 106 7", 23#, K-55, LTC (4,712'), FLOAT SHOE @ 9,468", FLOAT COLLAR @ 9,388' DV @ 6,304'. RU BJ. CEMENTED PRODUCTION CASING AS FOLLOWS: 1ST STAGE 900 SX CLASS "H" W/5 PPS CSE, 3% KOLSEAL, .8% CFI-A, .3% WL-1P. WT - 15.3, YIELD 1.29. DISPLACED W/H₂O & MUD, BUMPED PLUG, SHIFTED TOOL. CIRCULATED 130 SX TO SURFACE. CIRCULATED W/RIG PUMPS 4 HRS, CEMENTED 2ND STAGE LEAD W/770 SX PSL 'C' W/6% GEL, 5% NACL, 3 PPS KOL-SEAL, .2% LWL, 1/4 PPS CELLO FLAKE WT 12.5, YIELD 1.99. TAILED IN W/100 SX 'C' NEAT WT 14.8, YIELD 1.32. PLUG DOWN @ 1800 HRS, 9/27/95. CIRCULATED 197 SX TO PIT.

ND BOP, SET 7" SLIPS W/165 K, NU 11" X 7 1/16" TBG HEAD, TESTED SEALS TO 2500 PSI.

RELEASED RIG @ 2400 HRS. 9/28/95.

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