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ROYAL ST. #1  
22.10' FSL & 1310' FEL  
SEC 33, T-17-S, R-35-E  
LEA, CO. N.M.

PRE SET 13 3/8" CONDUCTOR @ 60', CEMENTED TO SURFACE W/REDIMIX. MIRU PETERSON #1. SPUD 11" HOLE @ 0600 HRS 9/22/95. DRILLED TO 1,565'. RAN 38 JTS., 8 5/8", 24#, K-55 STC NEW CASING. TX PATTERN SHOE @ 1,564', FLOAT COLLAR @ 1,522'. CEMENTED TO SURFACE CSG W/345 SX CLASS 'C' W/4% GEL, 2% CACL<sub>2</sub>, 1/4 PPS CELLO (WT-13.7, YIELD 1.67. TAILED IN W/150 SX 'C' W/2% CACL<sub>2</sub>, WT- 14.8, YEILD 1.34. BUMPED PLUG, FLOAT HELD, CIRC'D 100 SX TO SURFACE. WOC 4 HRS. CUT CONDUCTOR, INSTALLED 8 5/8" 50W X 11" 3M CSG HEAD. TESTED WELD TO 500 PSI. NU 11" 3M DUAL RAM, ANNULUR, ANNULUR & CHOKE MANIFOLD. TESTED RAMS, CHOKE & KILL LINES, MANIFOLD, MUDLINES & FLOOR VALVES TO 200/3000 PSI. TESTED ANNULUR TO 200/1500 PSI. PU BIT & TIH. TAGGED E-CEMENT @ 1,497', TOTAL WOC - 32.75 HRS. DRILL CEMENT & FLOAT TO 1,542', TESTED CSG TO 1000 PSI. DRILLED CEMENT TO 1,565' & 10' OF NEW FORMATION, SI WELL, RAN FORMATION COMPETANCY TEST TO 12 PPG EMW.

DRILLED 7 7/8" HOLE TO 5,827'. SURVEYED HOLE W/MULTISHOT. AZIMUTH - 228°, PU, MONEL DC & DOWN HOLE MOTOR. DIRECTIONALLY DRILLED 5,827' - 6,017'. PU PENDULUM ASSY & DRILLED 6,017' - 8,408'. TD 7 7/8" HOLE RU SCHLUMBERGER, INSTALLED PACKOFF, PUMP IN SUB & W. L. BOPE'S. LOGGED WELL AS FOLLOWS: DLL//MSFL/GR 8,405' - 5,750'. LDT/NGT 8,405' - 6,350', BHC/CNL/CAL 8,405' - SURF. FMI/GR 8,405' - 7,000'. LOGGERS TD 8,414'

RAN 34 JTS (1401.55'), 17# K-55, LTC, 157 JTS (6925.51') 15.5 #, K-55, LTC, 2 JTS (85.92') 17#, K-55, LTC, 5 1/2" NEW CASING, SHOE @ 8,412', FC @ 8,323', DV @ 5,707'.

MIXED & PUMPED 1ST STAGE 50 SX POZ 'C' W/1% WR-2, 1% FL-52, WT 10.5, YIELD 2.73, TAILED IN W/630 SX CLASS 'H' W/3% KCL, 1/4 PPS CF-14 WT. 15.6, YIELD 1.2. BUMPED PLUG, DROPPED BOMB, SHIFTED TOOL CIRC'D 21 SX TO PIT. CIRC'D THRU DV 5.5 HRS.

MIXED AND PUMPED 2ND STAGE W/ 1540 SX PSL LITE W/5 PPS NACL 5PPS GILSONITE, 1/4 PPS CELLO WT 12.2 YIELD 2.24. TAILED IN W/100 SX 'C' W/ 1/4 PPS CELLO. BUMPED PLUG, CLOSED TOOL CIRC'D 278 SX TO RESERVE.

ND BOPE'S CUT CSG. SET SLIPS W/145 K. NU 7 1/16" X 3M TBG HEAD. TESTED SEALS TO 3000 PSI RELEASED RIG @ 0030 HRS 10/15/95.

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