

MARATHON OIL COMPANY

Henry Courtman "4" State Com. # 1

1780' FNL & 1650' FEL

Sec. 4,T-19-S, R-28-E

Eddy County, N.M.

MIRU United Rig # 5, spud 17.5" hole @ 0500 hrs, 3/12/98. Drilled to 440'. Ran 10 jts., 13.375", H-40, STC new casing to 440'. Shoe @ 438', insert @ 394'. Cemented W/ 220 sx 35:65:6 w/ 2% cacl, wt 12.3, yield 2.02. Tailed in w/ 200 sx C. Circulated 143 sx to pit. WOC 14 hrs. Cut csg & welded on flange, NU rotating head. Drilled cement and float equipment.

Air drilled 12.25" hole to 2958' . Ran 67 jts, 9.625", 36#, K-55 intermediate casing to 2958', shoe @ 2956', insert @ 2911'. Cemented w/ 550 sx BJ Lite, 5 pps nacl, 5 pps gilsonite, .25 pps cello, wt - 12.49, yield - 2.04, tailed in w/ 200 sx "C" neat. Set slips w/ 60 K. NU 13-5/8" 3M X 11" 3M casing head. Released United # 5 1430 hrs, 3/21/98.

MIRU McVay # 4 3/22/98. NU 11" 3M BOPE. Tested blind and pipe rams, choke and kill lines, floor valves and mud lines to 1500 psi w/ rig pump. PU 8.75" bit and tagged cement @ 2831' Drilled cement & float Equip , tested shoe to 1000 psi. Drilled to 9633'.

Cored well 9633' - 9668'. (34'), 9669' - 9729' (60'), 9729' - 9789' (60'), 9789' - 9823' (34').

Drilled to 11,115 TD @ 0400 hrs, 4/16/98. Logged well as follows: Platform Express/BHC sonic TD - 2958', FMI - 10,000' - 9200'. CNL/GR TD - Surf.

Ran 5.5", 17# & 20#, L-80, LTC casing to 11,115'. Cemented production casing w/ 760 sx super modified "H", 5 pps gilsonite, 1 pps nacl, .5% Halad - 344, .4 CFR - 3. Bumped plug and shifted tool, circulated w/ rig pumps, circulated 22 sx cement to surface. Cemented 2nd stage w/ 1150 Interfil "C" w/ .3% Halad-322, Tailed in w/ 200 sx neat, lost returns on last 90 bbl of displacement. Did not circulate cement.

N.D. BOPE and set slips. N.U. tubing head and tested seals. Released rig at 00:00 hrs 4/18/98.