

MARATHON OIL COMPANY

Mitchusson "4" State # 1
1980' FSL & 1980' FWL
Sec. 4, T- 1-S, R-28-E
Eddy County, New Mexico

MIRU United # 4, spud 17.5" hole @ 1245 hrs 4/1/98. Drilled to 446'. Ran 10 jts, 13.375", H-40 casing to 446'. Shoe @ 445, insert @ 400'. RU BJ, Cemented surface casing W/ 220 sx 35:65:6,2% cacl, Wt 12.3, yield - 2.02. Tailed in W/ 200 sx "C" Wt- 14.8, yield - 1.34. Bumped plug and circulated 175 sx to pit. WOC 4 hrs, cut casing and installed 13.625" X 13.375" SOW casing head, NU rotating head and TIH w/ 12.25" bit. WOC 10 hrs. Drilled float equip and air drilled formation to 2918'. TD @ 0315 hrs 4/10/98.

Ran 9-5/8" Intermediate casing as follows: 65 jts 36#, K-55, LTC new casing to 2918'. Shoe @ 2918, float collar @ 2869'. Cemented w/ 550 sx BJ lite, 5 pps gilsonite, 5 pps nacl, .25 pps cello, Wt - 12.4 ppg, yield - 2.04. Tailed in w/ 200 sx "C" neat Wt - 14.8, yield 1.34. Circulated 150 sx to pit. ND BOPE and set slips w/ 80K. NU 13-5/8" 3M X 11" 3M casing head and tested weld to 1000 psi.

Rigged down United, released rig @ 1800 4/10/98. MIRU McVay #7, 4/6/98. Installed 11" 3m dual ram BOPE. Tested rams to 200/1900 psi. PU 12.25" bit and BHA and TIH. Drilled float and cement.

Drilled formation to 11,166', TD @ 1015 hrs, 5/19/98. Logged well as follows: Platform Express W/HALS, NGT/BHC Sonic TD - 9240'. FMI TD - 9240'. CNL/GR/CAL to surface.

Ran 7" production casing as follows : 140 jts, (6192.81'), 20# L-80, 111 jts, (4977.29'), 17#, L-80. Float shoe @ 11,171', Float collar @ 11,079.11', DV @ 8502.78'.

Cemented production casing with 700 sx modified Super H, .4% CFR - 3, 5 pps Gilsonite, .5% Halad 344, 2 pps nacl, Wt - 13.0, yield - 1.64. Opened stage tool and circulated 170 sx to surface. Cemented 2nd stage w/ 1180 sx Interfil C, Wt - 11.9, yield - 2.64. Tailed in w/ 200 sx neat. Bumped plug and did not circulate cement. Plug down @ 2130 hrs, 5/21/98.

Set slips w/ 210K, Installed 11" 3m, X 7-1/16" 5m tubing spool. Released rig @ 0430 hrs 5/23/98.