

MARATHON OIL COMPANY

HANSEN STATE # 9
2190' FNL & 460' FEL
Sec. 16, T-20-S, R-37-E
Lea County, New Mexico

MIRU Patterson # 71. Spud 12.25" hole @ 0030 hrs, 3/10/98. Drilled to 1150'.

Ran 27 jts, 8.625", 24#, K-55, STC casing to 1155', TX pattern shoe @ 1153', insert float @ 1109'. Cemented surface casing w/ 595 sx. PBCZ wt-13.5, yield-1.63. Plug down @ 0130 hrs, 3/11/98. Circ 45 sx to pit. WOC 4 hrs and NU 11" 3M dual ram BOPE. Tested blind and pipe rams, choke and kill lines, floor valves and mud lines to 300/3000 psi. Tested annular to 1500 psi. TIH and tagged cement at 1070', tested casing to 1000 psi. Total WOC - 17 hrs. Drilled float equip and cement.

Drilled formation to 7830', TD @ 0515 hrs, 3/29/98.

Logged well as follows: Platform Express / CNL / DEN / NGT 7824' - 5000' GR/CAL, TD - Surf.

RU casing crew and ran production casing as follows: 5-1/2" float shoe @ 7836', 2 jts, 5-1/2", 17# , K-55, LTC. Float collar @ 7739', 39 jts 5-1/2" 17# , 38 jts, 5-1/2" 15.5#, stage tool @ 4222', 95 jts, 5-1/2", 15.5#.

Cemented production casing with 700 sx Modified super "H" w/ 3 p.p.s. gilsonite, 3 p.p.s. nacl, wt - 13.0, yield 1.7. Displaced with water and mud, bumped plug w/ 1300 psi, floats held.

Circulated with rig pumps, circulated 150 sx to pit.

Cemented 2nd stage w/ 1500 sx Prem. Plus Interfil, w/ 8 p.p.s. nacl, .25 p.p.s. flocele, wt 11.9, yield - 2.46. Tailed in w/ 70 sx Modified Super "II" w/ 3 p.p.s. Gilsonite, 3 pps nacl, wt - 13.0, yield - 1.7. Bumped plug & closed tool. Plug down @ 0645 hrs 3/31/98. Circulated 385 sx to surface.

Set slips w/124K. Rig released @ 1200 hrs, 3/31/98.