

## MARATHON OIL COMPANY

### Indian Hills Unit # 1

UL "M" 660' FSL & 660' FWL

Sec. 21, T-21-S, R-24-E

Eddy Co., N.M.

4/21/98 MIRU Mc Vay # 4. NU 11" 3M dual ram BOPE, annular, choke manifold, gas separator. Tested BOPE w/ rig pump.

Drilled 8.75" hole through cement plug 0 - 321. TIH and tagged plug @ 2959'. Drilled cement 2959' - 3125'. Tagged plug #3 @ 6000'. Drilled cement to 6030'. TIH open ended to set kick off plug @ 6012', at 8.5 degrees.. Pumped 100 sx "H". WOC Tagged cement plug @ 5849', drilled cement to 5984', made kick - off. Drilled to 6230', TOH to change BHA, TIH and could not enter side - track. TIH open - ended to 6114', set balanced cement plug W/ 350 sx., "H" w/ 1% CFR-3, Wt - 13.0, yield - .97. WOC, Tagged cement @ 5354', dressed off plug to 5390', PU motor and bent sub to make kick - off. Drilled to 7931'. TD @ 5/17/98. Logged well as follows: Platform Express W/ HALS/ NGT/FMI-GR TD - 7916'. CNL/GR/CAL to surface.

Ran 7" production casing as follows: Float shoe, 2 jts, 26#, float collar, 18 jts, 26#, marker jt., 20 jts, 26#, ESC tool, 37 jts 26 #, 103 jts 23#, 2 jts 26#. Shoe @ 7765', FC @ 7773', Marker jt @ 6971', DV @ 6083'.

Cemented 1st stage w/ 250 sx Modified Super H w/ .4% CFR-322, 5 pps Gilsonite, .5% halad 344, Wt - 13.0, yield - 1.68. Opened DV and circulated 5 sx to pit. Cemented 2nd stage w/ 650 sx Interfil C w/ .25 pps flocele, 3 pps Gilsonite, Wt - 11.9, yield 2.46. Tailed in w/ 100 sx C. Circulated 165 sx. Pug down @ 0245 hrs 5/17/98.

Set 7" slips, cut casing and installed 11" 3M X 7-1/16" 3M tubing head. Tested seals to 3000 psi.

Released rig @ 0700 hrs 5/17/98.