



**Marathon
Oil Company**

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**McGrail State #10
400' FSL 7 1650' FWL
Sec. 26, T-19-S, R-26-E
Lea County, New Mexico**

12/14/96 - MIRU Tmbrsharp #23. Spud 17 1/2" hole @ 1030 hrs. Drilled to 503'. Ran 11 jts, 13 3/8", 48#, H-40 STC. Cement w/525 sx Prem Plus w/2% CACL2, 1/4 pps Flocele, circ 140 sx to pit. WOC 4 hrs. & weld on 13 3/8 csg head. Tested weld to 500 psi. NU 13 5/8" 3M BOP'S. Tested blind and pipe rams, choke & kill lines, manifold, floor lines & valves to 300/3000 psi. TIH w/ 11" bit & tagged cement @ 440'. Total WOC time - 18.5 hrs. Tested csg to 750 psi. Drilled cement & shoe, resumed drlg formation to 2833'. TD intermediate hole @ 1000 hrs 12/17/96. Ran 23 jts 8 5/8", 32#, K-55, 44 jts, 24#, K-55 csg to 2833'. Shoe @ 2831, collar @ 2747'. Cemented intermediate csg w/750 sx Prem Plus Lite, wt - 12.4, yield 1.95. Tailed in w/200 sx Prem Plus, wt - 14.8, yield 1.34. Plug down @ 2115 hrs. Circ'd 165 sx to pit. Set slips & cut 8 5/8", installed 13 5/8" x 11" 3M B section, tested to 1000 psi. NU 11" 5M BOPE. Tested blind and pipe rams, choke & kill lines, manifold, floor valves & lines to 250/3000 psi. TIH & tagged cement @ 2680', total WOC - 15 hrs. Tested csg to 1000 psi. Drilled cement & collar to 2820', tested csg to 1000 psi. Drilled 10' of formation, ran 11 ppg EMW P.I.T - OK. Drilled to 5862'. Ran Gyro. PU bit, motor & MWD tools to steer hole back to vertical. (See attached directional summary). Drilled to 8015'. TD @ 2015 hrs 1/1/97.

Logged wells as follows: Platform Express, 8015-2830', CNL/GR sonic to surface.

Ran 5 1/2", 17#, 15.5# K-55 LTC csg to TD.
Cemented w/480 sx Prem Plus POZ, wt - 14.2, yield 1.13.
Tailed in w/680 sx Prem Plus Lite wt, - 12.4, yield 1.97, 100 sx "C" NEAT wt - 16.0, yield 1.11.
Bumped plug, floats held. Set 5 1/2" slips, NU 7 1/16" 3M tbg head.
Released rig 1/4/97.