



**Marathon
Oil Company**

P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

BONE FLATS "12" #6
660' FSL & 1980' FWL
SEC. 12, T-21-S, R-23-E
EDDY COUNTY, NEW MEXICO

10/8/96 - MIRU UNITED #1. PRESET 13 3/8" CONDUCTOR @ 23'. N.U. ROTATING HEAD. SPUD 12 1/4" HOLE @ 1200 HRS 10/8/96. AIR/MIST DRILLED TO 1205' TD @ 2230 HRS 10/13/96. RAN 29 JTS 9 5/8", 36#, J-55 STC CSG TO 1205. SHOE @ 1204, COLLAR @ 1162'. CEMENTED SURF CSG W/250 SX "C" W/10% A-10 5 PPS KOLSEAL, 1/4 PPS CELLO, 1% CALC₂, WT-14.6, YIELD 1.51. TAILED IN W/200 SX "C" W/1% CACL₂, WT-14.8, YIELD 1.33. DID NOT CIRC CEMENT. WOC 3 HRS. RIGH W/1", TAGGED CEMENT @ 250'. MIXED & PUMPED 50 SX "C" W/3% CACL₂. WOC 3 HRS, TAGGED CEMENT @ 170'. CEMENTED TO SURFACE W/50 SX "C" W/3% CACL₂, CIRC'D 20 SX TO PIT. INSTALLED 11" 3M CSG HEAD, TESTED WELD TO 500 PSI. RELEASED UNITED @ 2000 HRS 10/14/96.

10/18/96 - MIRU MCVAY #4. N.U. BOPE. TESTED BLIND & PIPE RAMS, CHOKE & KILL LINES, MANIFOLD, FLOOR VALVES & MUD LINES TO 300/3000 PSI. TIH W/8 3/4" BIT & TAGGED CEMENT @ 1103'. TESTED CSG TO 1750 PSI. DRILLED CEMENT & COLLAR TO 1175'. TESTED CSG TO 1750 PSI.

DRILLED FORMATION TO 8100', TD @ 1430 HRS 10/27/96.

RIGGED UP SCHLUMBERGER. LOGGED WELL AS FOLLOWS: RAN PLATFORM EXPRESS 8100' - 5000', CNL/GR/CAL TO SURFACE. CHANGED RAMS TO 7", RAN 71 JTS 7", 26#, K-55, LTC (3265'), 109 JTS, 7", 23#, K-55, LTC CSG (4837') TO 8100'. FLOAT SHOE @ 8098', FLOAT COLLAR @ 8008, DV @ 6482'.

CEMENTED PRODUCTION CSG W/425 SX CLASS "H". DROPPED BOMB, OPENED TOOL, CIRC'D 155 SX TO SURFACE. CIRC'D W/RIG PUMPS 3 HRS. CEMENTED 2ND STAGE LEAD W/750 SX CLASS C, TAILED W/100 SX "C". CIRC'D 122 SX TO SURFACE. CLOSED TOOL, FLOATS HELD. PLUG DOWN @ 0830 HRS 10/29/96. N.D. BOP'S, SET SLIPS. N.U. 7/16" 3 M TBG HEAD & TESTED TO 3000 PSI. RELEASED RIG @ 1200 HRS 10/29/96.