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**BERTHA BARBER #16  
2140' FSL & 1650' FWL  
SEC. 5, T-20-S, R-37-E  
LEA COUNTY, NEW MEXICO**

MIRU McVay #4, Spud 17 1/2" hole @ 1600 hrs 5/12/97. Drilled to 490'. Rn 11 jts, 13 3/8", 48#, h-40, STC new casing to 490'. Shoe @ 488', Collar @ 446'. Cemented surface csg w/545 sx Prem. Plus with 2% CaCl<sub>2</sub>, 1/4 pps Flocele, wt - 14.8, yield - 1.34. Plug down @ 0430 hrs 5/13/97. Circ'd 88 sx to reserve.

WOC 4 hrs. Cut csg & installed "A" Section (13 3/8" SOW (Slip On Weld) x 11"3m). NU 11" 3m dual ram BOPE. Tested blind & pipe rams, choke & kill lines, manifold, floor valves, kelly & mud lines to 250/1000 psi. TIH & tagged cement @ 430. Total WOC - 18 hrs. Drilled cement & insert. Tested csg to 1000 psi.

Drilled formation w/11" bit to 2429'. TD intermediate hole @ 1930 hrs 5/13/97. Ran 72 jts, 8 5/8" 24# & 32# K-55, STC new casing to 2429'. Shoe @ 2428', Collar @ 2386'. Cemented intermediate w/850 sx Lite w/.3% CFR-3, .2% Econolite, wt - 12.7, yield - 1.84. Tailed in w/130 sx Prem Plus w/2% CaCl<sub>2</sub>, wt - 14.8, yield - 1.34. Circ'd 167 sx to surface. Plug dn @ 0700 hrs 5/17/97. ND BOP & set slips, cut 8 5/8", NU 13 5/8" x 11" 3m "B" Section. Tested flange to 1000 psi. Tested BOPE, choke & kill lines, floor lines & valves to 300/3000 psi. TIH w/7 7/8" bit & tagged cement @ 2375'. Tested csg to 1000 psi. Total WOC - 17.25 hrs. Drilled cement & float equipment.

Drilled formation w 7 7/8" bit. Encountered 40-60 BPH. Lost returns @ 3280'. Drilled w/partial returns @ 3770', lost all returns, dry drilled to 5135'. Stuck BHA & fished free.

Requested permission from Paul Kautz to run 7".

Ran 125 jts 7", 23#, K=55, flush joint casing to 5122'. Cemented 7" w/150 sx Prem Plus w/.6% Halad 9, 1/4 pps Flocele, wt - 14.8, yield - 1.32. Did not circulate cement. Plug down @ 0930 hrs 5/29/97. Set slips, cut casing. NU 11" 3m csg spool. Tested packoff & flange to 3000 psi. NU 11" 3m BOPE. Tested blind & pipe rams, choke & kill lines, manifold, mud lines & floor valves to 300/3000 psi. Tested annular to 1500 psi.

PU 3 1/2" DP & BHA. TIH w/6 1/8" bit, tagged FC @ 5020'. Tested csg to 500 psi. Total WOC - 24.75 hrs. Drilled float equipment & resumed drilling formation to 7800'. TD @ 2045 hrs 6/7/97.

Log well as follows: Platform Express 7800' - 5122'. GR/CAL/CNL to surface.