

continuation of Sundry Notices And Reports On Wells (1 of 3)

FEDERAL 31 NO. 1  
2310' FSL & 660' FEL of Section 31, T-21-S, R-32-E  
Lea County, New Mexico

12-05-90

thru : Build location - dig reserve pit - MIRU Grace 426

12-10-90

12-11-90: Spud 5:00 PM CST 12/10/90 - Drilling 17-1/2" hole to 715'

12-12-90: Drill 17-1/2" hole to 800' - Run 68# K-55 13-3/8" csg shoe @ 800' - FC @ 760' - HOWCO cmt w/1000 sks (BLM witness A. Cortez) - Plug dn w/600# - circ 390 sks 3:00 PM CST 12-11-90 - N/U BOP's to test 3000#

12-13-90: Total WOC - 19 hrs - Drilling 12-1/4" hole to 2200'

12-14-90: Drlg 12-1/4" hole to 3000'

12-15-90: Drlg 12-1/4" hole to 3470'

12-16-90: Drlg 12-1/4" hole to 4010'

12-17-90: Drlg 12-1/4" hole to 4395'

12-18-90: Drlg 12-1/4" hole to 4550' - Run 9-5/8" N-80 40# csg to 4550' - HOWCO cmt w/1800 sks - plug dn 05:00 CST w/2300 PSI - WOC

12-19-90: Total WOC - <sup>circ 350 sks</sup> 18-3/4 hrs - N/U BOP's - test to 5000# - Drlg 8-1/2" hole to 4900'

12-20-90: Drlg 8-1/2" hole to 6350'

12-21-90: Drlg 8-1/2" hole to 7330'

12-22-90: Drlg 8-1/2" hole to 7398' - DST #1 (7319-7398')

12-23-90: Finish DST #1 - Drlg 8-1/2" hole to 7900'

12-24-90: Drlg 8-1/2" hole to 8146' - DST #2 (8054-8146')

12-25-90: Finish DST #2 - Drlg 8-1/2" hole to 8201'

12-26-90: Drlg 8-1/2" hole to 8780'

12-27-90: Drlg 8-1/2" hole to 9180'

12-28-90: Drlg 8-1/2" hole to 9630' - start DST #3

12-29-90: DST #3 (9561-9630')

12-30-90: Drlg 8-1/2" hole to 9920'

12-31-90: Drlg 8-1/2" hole to 10,497'

1-01-91: Drlg 8-1/2" hole to 10,807'

1-02-91: Drlg 8-1/2" hole to 11,130'

1-03-91: Drlg 8-1/2" hole to 11,400'

1-04-91: Drlg 8-1/2" hole to 12,120'

1-05-91: Drlg to 12,500' - SLM - corrected T.D. to 12,519'

1-06-91: Logging - CNL-LDT & DIL 12,500 to 4550 - Gamma/Neutron to surface - (Schlumberger)