

DRILLING REPORT

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Yates Pet. - Blackwater Unit #1 (Unit D) 19-9S-22E Chaves Co., NM

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PD at 10:30 PM 4-7-92. Circulate 20 sacks to pit. Total cement used 400 sacks Class "C" + 4% CaCl<sub>2</sub>. Total pea gravel 11 yards. Nipple up and test to 1100 psi for 30 minutes. Drilled out at 3:15 PM 3-8-91. WOC 43 hours 15 minutes. Reduced hole to 7-7/8" and resumed drilling. Larry Brady of BLM witnessed. Wash through bridges at 658-700'.

3-10-91 Drilling 2422' anhydrite and dolomite. Made 685' in 18 hours, 38'/hr. MW 10, Vis 29, Ph 10, WL 12, Cl 98,000. Survey 2048' 3/4 deg. WOB 40K, RPM 60, SPM 59, PP 775#. Jet pits. DMC \$0; CMC \$1627; DC \$11,930; CC \$117,308

3-11-91 Drilling 3013' anhydrite and shale. Made 591' in 19-1/2 hours, 30.5'/hr. MW 10.1, Vis 31, PV 4, YP 2, pH 9, WL 16, FC 1/32, Cl 158,000, Solids 1/2%, Calcium 1920. Survey 2484' 1-1/2 deg and 2983' 1-1/4 deg. WOB 40#, RPM 60, SPM 49, PP 1400#. Change pumps. DMC \$3253; CMC \$4880; DC \$13,273; CC \$130,581