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YATES PETROLEUM CORP.
CHRONOLOGICAL DRILLING REPORT
Blackwater Unit #1
Unit D
19-9S-22E
Chaves County, New Mexico

BUREAU OF LAND MGT
ROS WELL RESOURCE
AREA

2-28-91 Location: 660' FNL & 660' FWL of Section 19-9S-22E, Chaves County, New Mexico. Lease No.: NM-36714. Elevation: 4309' GR. PTD: 3700' Abo. Drilling Contractor: L & M #2. Prep to spud.

3-1-91 TD 39'. WOC. Move in and rig up Auger Air Drilling Co. and spud well at 7:00 PM 2-28-91 with 26" hole. TD 26" hole at 1:30 AM 3-1-91 at 39'. Rig up and run 40' of 20" pipe. Will cement at 9:00 AM 3-1-91. Notified Pat Flannery of BLM.

3-2-4-91 TD 39' Moving in rotary tools.

3-5-91 Drilling 115'. Made 115' in 6-1/2 hours, 17'/hr. WOB all, RPM 90, SPM 60, PP 100#. Move in and rig up. Resumed drilling at 11:00 PM 3-4-91 with 12-1/4" hole. Lost circulation at 87'. Mix and pump LCM pill. DMC \$750; CMC \$750; DC \$27,242; CC \$27,242

3-6-91 Drilling 563' anhydrite. Made 448' in 12-3/4 hours, 35'/hr. No returns. WOB all, RPM 90, SPM 64, PP 600#. TIH with bit #2 at 194'. Mix and pump LCM pills. Work stuck pipe at 194'. DMC \$292; CMC \$1042; DC \$17,355; CC \$44,597

3-7-91 TD 962' anhydrite and sand. Running 1". Made 399' in 7 hours, 57'/hr. No returns. Survey 962' 2 deg. WOB 30K, RPM 90, SPM 62, PP 600#. TD at 1:45 PM 3-6-91. Circulate. Run casing and cement. WOC. Temp survey at 2:00 AM. Top of cement at 420'. DETAILED CASING REPORT TO FOLLOW. DMC \$500; CMC \$1542; DC \$35,955; CC \$80,552

3-8-91 TD 962'. Nipple up BOP. Made 0'. Run 1". WOC. Nipple up BOP. Wait on flange. DETAILED CASING REPORT TO FOLLOW. DC \$11,461; CC \$92,013

3-9-91 Drilling 1737' anhydrite and dolomite. Made 775' in 15-1/2 hours, 50'/hr. MW 10.1, Vis 29, ph 12, Cl 100,000. Survey 1486' 2 deg. WOB 40K, RPM 60, SPM 57, PP 950#. DMC \$585; CMC \$1627; DC \$13,365; CC \$105,378 DETAILED CASING REPORT: Reached TD at 1:45 PM 3-6-91. Ran 22 joints 8-5/8" 24# J-55 ST&C (965') casing, set at 962'. Texas Pattern Notched guide shoe set at 962'. Insert float set at 918'. Cemented with 150 sacks "C" + 10% CalSeal + 10#/sx gilsonite + 1/4#/sx flocele (yield 1.38, weight 14.6) and 350 sacks Halliburton Lite + 10#/sx gilsonite + 1/4#/sx flocele + 3% CaCl₂ (yield 1.99, weight 12.4). Tailed in with 200 sacks Class "C" + 2% CaCl₂ (yield 1.32, weight 14.8). PD at 8:00 PM 3-6-91. Bumped plug to 500 psi, float held OK. Cement did not circulate. WOC 6 hours. Ran temperature survey and found top of cement at 420'. Ran 1" Tagged cement at 410'. Spotted 35 sacks Class "C" + 4% CaCl₂. Dumped 1 yard pea gravel. PD at 4:00 AM 3-7-91. WOC 2 hours. Ran 1". Tagged cement 402'. Spotted 35 sacks Class "C" + 4% CaCl₂. Dumped 1 yard pea gravel. PD at 6:30 AM 3-7-91. WOC 2 hours. Ran 1". Tagged cement 329'. Spotted 50 sacks Class "C" + 4% CaCl₂. Dumped 1 yard pea gravel - 25' fill with gravel. PD at 9:00 AM 3-7-91. WOC 2 hours. Ran 1". Tagged cement 287'. Spotted 50 sacks Class "C" + 4% CaCl₂. Dump 1 yard gravel - 15' fill. PD at 11:30 AM 3-7-91. WOC 2 hours. Ran 1". Tagged cement at 217'. Spotted 50 sacks Class "C" + 4% CaCl₂. Dump 1-1/2 yard pea gravel. PD at 3:00 PM 3-7-91. WOC 2 hours. Ran 1". Tagged cement 185'. Spotted 50 sacks Class "C" + 4% CaCl₂. Dumped 2 yards pea gravel. PD at 5:45 PM 3-7-91. WOC 2 hours. Ran 1". Tagged cement at 115'. Spotted 60 sacks Class "C" + 4% CaCl₂. Dumped 2-1/2 yards pea gravel. PD at 8:15 PM 3-7-91. WOC 2 hours. Run 1". Tag cement at 43'. Spotted 60 sacks Class "C" + 4% CaCl₂. Dumped 1 yard pea gravel.