

**LOUIS DREYFUS NATURAL GAS CORP**

**DRILLING AND OPERATION SUMMARY**

**SHEEP DRAW FEDERAL "28"-2**

660' FSL & 660 FWL  
SEC 28,T-22S, R-26E  
EDDY COUNTY, NM  
GR ELEV:  
LDNGC WI:85%; NRI: 71.1874%  
OBJ: DELAWARE

PROP. NO. 420136-002  
AFE. NO. 1009  
AFE: DHC \$162,500; CWC:\$369,700  
CONTR:CAPSTAR #6  
SPUD DATE: 03/02/96  
PROPOSED TD:4950'

03/03/96 Day 1; Depth-120'; Prog-83; Oper-Drlg; Formation-Hard rock; MW-8.3; Vis-28; pH-8; Bit-#1; S/N-263513; Size 17 ½; MFG-Security; Type-RR53; Jets-13/16/16; In-37; Out-98; Ftg-61'; Hrs-9 ¾; FPH-6; WOB-All; RPM-80; Bit-#2; S/N-RR; Size 17 ½; MFG-Smith; Type-J5J; In-98; Ftg-22; Hrs-4; FPH-5.5; WOB-All; RPM-80; Liner-5 ½; Stroke-18; SPM-39; Press-300; Dev-None; Time Breakdown-MIRU Capstar Rig #6. After setting 20' conductor pipe @ 37'. Spud well @ 4:45 pm-03/02/96. 9 ¾ hrs-MIRU & weld on to conductor pipe; 9 ¾ hrs-Drlg; ¼ hr-TOH w/Bit #1; ¼ hr-TIH w/Bit #2; 4 hrs-Drlg. Note: Lost circ (complete) @ 68' from surf.  
DMC \$444 TMC \$444  
DWC \$15,695 CWC \$15,695

03/04/96 Day 2; Depth-348'; Prog-228 Oper-Drlg; Formation-Hard rock; MW-8.3; Vis-28; pH-7.0; Bit-#2; S/N-RR; Size 17 ½; MFG-Smith; Type-J5J; In-98; Out-179; Ftg-81; Hrs-20 ¾; FPH-4; WOB-All; RPM-70; Bit-#3; S/N-RT; Size-12 ¼; MFG-HTC; Type-J-3-C; Jets-2/13's; In-179; Out-348; Ftg-169; Hrs-10; FPH-16; WOB-All; RPM-70; Liner-5 ½; Stroke-18; SPM-49; Press-300; Dev-None; Time Break Down-11 hrs-Drlg; 1 ½ hrs-TOH w/Bit #2; 1 ½ hrs-TIH w/Bit #3; 10 hrs-Drlg.  
DMC \$99 TMC \$543  
DWC \$7,053 CWC \$22,748

03/05/96 Day 3; Depth-348'; Prog-0; Oper-Preparing to run 13 ¾"; MW-8.3; Vis-28; pH-7.0; Bit-#4; S/N-263513; Size-17 ½; MFG-Sec; Type-RR; Jets-13/13/14; In-166; Out-348; Ftg-182; Hrs-17 ¼ reaming; FPH-10- reaming; WOB-All; RPM-65; Liner-5 ½; Stroke-18; SPM-49; Press-300; Time Break Down- ½ hr-Drlg 12 ¼" to 348'; 1 ½ hrs-Work stuck pipe; 1 ¼ hrs-TOH w/12 ¼" bit & TIH w/ 17 ½" bit; 6 hrs-Reaming 12 ¼" hole to 17 ½"; ½ hr-Wait on wtr; 12 ¼ hrs-Reming hole; ¼ hr-Wait on wtr; ¼ hr-Reaming hole; ½ hr-Circ hole - no ret; ¼ hr-Sur; ¾ hr-TOH w/Bit #4.  
DMC \$114 TMC \$657  
DWC \$6,024 CWC \$28,772

03/06/96 Day 4; Depth-348'; Prog-0; Oper-Laying dn csg; MW-8.3; Vis-28; pH-7.0; Bit-#4; S/N-263513; Size-17 ½; MFG-Sec; Type-RR; Reaming; Liner-5 ½; Stroke-18; SPM-49; Time Break Down- ½ hr-POOH w/bit; 7 ½ hrs-RU & run csg (13 ¾"). Stopped @ 120'; 1 hr-Lay dn csg; 1 hr-Wash & ream hole to btm; 1 hr-POOH to 100'; 3 hrs-Wash & ream hole; 1 hr-POOH w/bit; 2 hrs-Wait on csg crew; 5 hrs-Run 13 ¾" csg. Stopped @ 120'; 1 ½ hrs-Wait on welder; 1 ½ hrs-Repair on csg tools.  
DMC \$0 TMC \$657  
DWC \$1,256 CWC \$30,028