



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	1780'					
Cherry Canyon	2488'					
T.	3050'					

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

# LOUIS DREYFUS NATURAL GAS CORP

## DRILLING AND OPERATION SUMMARY

### RAM EWE FEDERAL #5

2080' FSL & 990' FEL	PROP. NO. 4329-001
SEC 33, T-22S, R-26E	AFE. NO. 729
EDDY COUNTY, NM	AFE: DHC \$138,900.; CWC:\$316,600.
GR ELEV:	CONTR:CAPSTAR #6
LDNGC WI:60%; NRI: 47.887%	SPUD DATE: 02-22-96
OBJ: DELAWARE	PROPOSED TD:3050'

- 02-23-96  
1/4";
- Day 1; Depth-372' Prog-334'; Oper-Drlg. Formation-Anhy; Bit #1; S/N-ER4738; Size-12
- MFG-HTC; Type- Re-run; Jets 13/13/14; In-38; Out-; Ftg. 334; Hrs,-7; FPH-47.7; WOB-35K;  
RPM-80; BHA-121.6; Liner-5 1/2"; Stroke 18; SPM-49; Press. 600; GPM-5.4; Time Break  
Down-2-21-96 Franks Rat Hole Service set 20" conductor @38'.  
MIRU Capstar Rig #6-17 hrs.; Spud 12 1/4" hole @11:00 PM (MST). Drill to 372' in 7hrs. @  
6:00 AM report time.  
DMC-\$304. TMC-\$304.  
TDC-\$15,713. CWC-\$15,713.
- 02-24-96  
1/4";  
40K;
- Day 2; Depth-962' Prog-590'; Oper-Drlg. Formation-Red Bed; Bit #1; S/N-ER4738; Size-12
- Mfg.-HTC; Type- Re-run; Jets 13/13/14; In-38; Out-; Ftg. 924; Hrs,-29 1/2; FPH-30; WOB-  
40K;  
RPM-65; BHA-800.41; Liner-5 1/2"; Stroke 18; SPM-52; Press. 800; GPM-; Time Break  
Down-2-24-96. 21 3/4 hrs. Drilling; 1 3/4 hrs. Rig Repair; 1/2 hr. Survey.  
DMC-\$22. TMC-\$326.  
TDC-\$7,674. CWC-\$23,387.
- 02-25-96
- Day 3; Depth-1205' Prog-243'; Oper-NU BOP. Formation-; Bit #1; S/N-ER4738; Size-12  
1/4"; Mfg.-HTC; Type- Re-run; Jets 13/13/14; In-38'; Out-1205'; Ftg. 1167'; Hrs,-39 1/2;  
FPH-30; WOB-40K; RPM-65; BHA-800.44; Liner-5 1/2"; Stroke 18; SPM-52; Press. 800;  
GPM-; Drilled to 972'. Ran survey 1 3/4" @ 972'. Drilled to 1205' TD. Circl. Hole & drop  
totco. 2 1/2" @ 1205'. TOH to run 8 5/8" casing. Rigged up and ran 8 5/8" casing. RU Dowell  
cementers. Cemented 8 5/8" casing w/ lead slurry 275 sx of 35/65 POZ w/ 6% gel & 2%  
CACL & 1/4 lb. cello flake. Tail-in slurry 200 sx class "C" w 2% CACL. Cird. 35 sx. Plug  
down @ 2:30 AM. WOC-4 hrs. Cut off casing & weld on head. Casing Report - Ran 29 jts. 8  
5/8", 24# ST&C (1218'). Csg. Shoe @1205'. Dowell Cement csg, w/ 275 sx. 65/35 POI & 200  
sx. "C". Circl. 35 sx. Float collar @1161'.  
DMC-\$29. TMC-\$355.  
TDC-\$18,876. CWC-\$42,263.
- 02-26-96  
WOB-  
Break
- Day 4; Depth-1395'; Prog-190'; Oper-Drlg. Formation-Anhy; Bit #2; S/N-A1447; Size-7 7/8";  
Mfg.-W/M; Type- 52 CHF; Jets 13/13/14; In-1205'; Out-; Ftg. 190'; Hrs,-8 1/2; FPH-24;  
8-10K; RPM-70; BHA-678.31; Liner-5 1/2"; Stroke 18; SPM-52; Press. 800; GPM-; Time  
Down-2-26-96. 3 1/2 hrs. Weld on & test wellhead to 600 psi (OK). 4 hrs. nipple up BOP; 1/2  
hr. test BOP to 1000 psi (OK) 4 1/2 hrs. trip in hole w/ bit #2; 1/2 hr. Test pipe rams to 1000 psi  
(OK) 2 hrs.drilling cement; 1 3/4 hrs. drill formation; 1/2 hrs. to prime cent. pump; 6 3/4 hr.  
drlg. Changing to brine mud.

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Ram Ewe Federal #5

02-27-96 Day 5; Depth-2050'; Prog-655'; Oper-Drlg. Formation-Anhy & Salt; Bit #2; S/N-A1447; Size-7 7/8"; Mfg.-W/M; Type- 52 CHF; Jets 13/13/14; In-1205'; Out-; Ftg. 845'; Hrs,30 3/4; FPH-27; WOB-15-20K; RPM-75; BHA-648.31; Liner-5 1/2"; Stroke 18; SPM-49; Press. 800; GPM-7.38; Surveys as follows: 2 1/4 @ 1466'; 2 1/2 @ 1638'; 2 1/4 @ 1767'; 1 1/4 @ 2027'; Time Break Down-2-27-96. 1 3/4 hrs. drlg; 1/4 hr. RU mud logger; 1 1/2 hrs. drlg.; 1/2 hr. survey; 7 1/4 hr. drlg.; 1/2 hr. survey; 5 1/4 hr. 1/4 hr. survey; 1/4 hr. drlg. Mud loggers report- No shows.  
DMC-\$32. TMC-\$464.  
TDC-\$8,901. CWC-\$54,676.

02-28-96 Day 6; Depth-2580; Prog-530; Oper-Drlg; Formation-Lime-Sand; MW-9.0; Vis-30; PV/YP-2/1; pH-10; WL-10; Cake-1/32; Sand-Trace; Solids-1; Chls-58,000; Calc-2800; Bit #2; SN-A14447; Size-7 7/8"; MFG-W/M; Type-52; CHF; Jets-13/13/14; In-1205'; Ftg-1375; Hrs-54; FPH-26; WOB-25; RPM-65; BHA-648.31; Liner-5 1/2"; Stroke-18; SPM-49; Press-800; GPM-310; Dev- 3/4 @ 2545; Time Break Down - 15 1/4 hrs-Drlg; 1/4 hr-Rig work to mud up; 6 hrs-Drlg; 1/2 hr-Survey 3/4 @ 2535; 2 hrs-Drlg.  
DMC \$1,220 TMC \$1,684  
TDC \$8,155 CWC \$62,831

02-29-96 Depth: 3,050' (470') RU loggers. Formation: Sd. MW 8.9, Vis 30, PV/YP 2/L pH, 7.5, Cake 1/32, Sd 0, Chls 4600, alc 1960. Liner 5 1/2, Stroke 18, SPM 47, Press 800, GPM 7.5, Dev 1 1/4 @ 3050'. Bit #2, SN A1447, Size 7 7/8, MFG W/M, Type 52CHF, Jets 13/13/14, In 1205', Out 3050'. Fig 1845, Hrs 70 1/2, FPH 26, WOB 40, RPM 65, BHA 648.31. 16 1/4 hrs drlg, 2 3/4 hrs rig repair. 1 hr Circ to log. 1/4 hr srvy. 3 1/2 hr TOO. H.  
DMC: \$262 TMC: \$1,946  
DWC: \$6,877 CWC: \$69,708

03/01/96 Day 8; Depth-3050; Prog-0; Oper-Plugging Well; Formation-Delaware; MW-8.9+; Vis-30; PV/YP-2/1; pH-7.5; WL-1; Cake-1/32; Chls-4600; Calc-1960; Liner-5 1/2"; Stroke-18; SPM-47; Press-800; GPM-75; Time Break Down - 1 1/2 hrs-Trip out to log; 6 1/2 hrs-Log well; 4 hrs-Wait on orders; 1 1/2 hrs-Lay drill collars; 3 1/4 hrs-Trip in hole; 3/4 hrs-Circ hole; 1 hr - Rig up cementers & set 150' plug @ 3050'; 2 1/2 hrs-Lay dn 40 jts & set 150' plug @ 1280'; 1 1/2 hrs-Lay dn 12 jts of drill pipe; 1 1/2 hrs- Circ well - Waiting to tag plug.  
DMC \$200 TMC \$2,146  
TDC \$11,004 CWC \$80,712

03/02/96 Day 9; Depth-3050; Prog-0; Oper-Plugging Well; Formation-Delaware; MW-8.9; Vis-30; Liner-5 1/2"; Stroke-18; Time Break Down - 1 1/2 hrs-Circ hole; 1/2 hr-TIH to tag plug @ 1100'; 1 hr-POOH to set surf plug; 1/2 hr-Set surf plug @ 50'; 4 1/2 hrs-ND & RD. Released rig @ 12:30 pm 03/01/96. **FINAL REPORT.**  
DMC \$0 TMC \$2,146  
TDC \$4,598 CWC \$85,310

Louis Dreyfus  
14000 Quail Springs Pkwy, Ste 600  
Oklahoma City, OK 73134

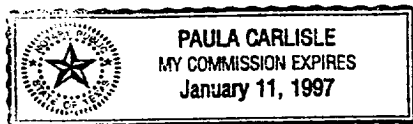
Ram EWE Fed #5  
Lea County, NM

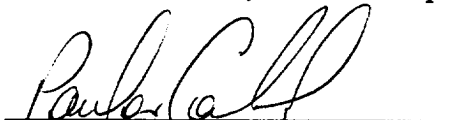
489	4.89	3/4	1.31	6.42	6.42
972	4.83	1 3/4	3.06	14.79	21.21
1205	2.33	2 1/2	4.38	10.19	31.40
1466	2.61	2 1/4	3.94	10.28	41.68
1638	1.72	2 1/2	4.38	7.53	49.21
1767	1.29	2 1/4	3.94	5.08	54.29
2027	2.60	1 1/4	2.19	5.69	59.97
2545	5.18	3/4	1.31	6.80	66.77
3050	5.05	1 1/2	2.63	13.26	80.03

NOV 23 1996

  
James L. Brazeal - President

The attached instrument was acknowledged before me on the 27<sup>th</sup> day of Nov, 1996 by James L. Brazeal, President of Brazeal, Inc. d/b/a CapStar Drilling.



  
Notary Public