

160-5  
990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Name of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LOUIS DREYFUS NATURAL GAS CORP.

3. Address and Telephone No.

4000 Quail Springs Pkwy., #600, OKC, OK 73134 (405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FNL & 2310' FEL, Sec. 33-22S-26E

NM OIL CONS COMMISSION  
Drawer DD  
Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM34247

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SHEEP DRAW FEDERAL #4

9. API Well No.

30-015-28701

10. Field and Pool, or Exploratory Area

Happy Valley Delaware

11. County or Parish, State

Eddy Co., NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Run 5-1/2" casing.

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/12/95 Reached TD of 4990'.

8/14/95 Ran 5-1/2" casing. See attached for details.

RECEIVED

NOV 30 1995

OIL CON. DIV.  
DIST. 2

RECEIVED

I hereby certify that the foregoing is true and correct

Signed Raylene Smith

Title PRODUCTION ANALYST

Date 10/24/95

This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Page Three  
Drilling and Operation Summary  
Sheep Draw Federal #4

08/09/95 Day 10-Depth-3517; Prog-529; Oper-Rig Repair; Formation-Sd & Dolo; MW-8.8; Vis-28; pH-10; WL-20; Cake-flm; Solids-Trace; Chls-42,000; Bit #3; S/N-D22XK; Size-7 7/8"; MFG-HTC; Type-J33C; Jets-13/13/14; In-1642; Out-Drlg; Ftg-1875; Hrs-62 1/4; FPH-30.1; WOB-20-35; RPM-70-55; BHA-723; Liner-5 1/2; Stroke-18; SPM-50; Press-900; GPM-296; NV-231; AV-279/196; Dev-1 1/4 @ 3299, 1 1/2 @ 3514; Time breakdown-4 hrs-Drlg; 1/2 hr-Totco (Mis run); 7 hrs-Drlg; 1/2 hr-Totco; 8 1/2 hrs-Drlg; 1/2 hr-Totco; 3 hrs-Rig repair.  
DMC \$150 TMC \$3,150  
DWC \$8,295 CWC \$98,112

08/10/95 Day 11-Depth-4143; Prog-626; Oper-Drlg; Formation-Sd; MW-8.8; Vis-28; pH-9.5; WL-20; Chls-54,000; Bit #3; S/N-D22XK; Size-7 7/8"; MFG-HTC; Type-J33C; Jets-13/13/14; In-1642; Out-Drlg; Ftg-2501; Hrs-83 3/4; FPH-29.9; WOB-40K; RPM-60; BHA-723; Liner-5 1/2; Stroke-18; SPM-50; Press-900; GPM-296; NV-231; AV-279/196; Dev-1 @ 4014; Time breakdown-1 3/4 hr-Rig repair; 5 hrs-Drlg; 1/4 hr-Service rig; 12 1/2 hrs-Drlg; 1/2 hr-Totco; 4 hrs-Drlg.  
DMC \$710 TMC \$3,860  
DWC \$10,171 CWC \$108,282

08/11/95 Day 12-Depth-4700; Prog-557; Oper-Drlg; Formation-Sd; MW-8.8; Vis-28; pH-10; WL-16; Cake-Flm; Chls-50,000; Bit #3; S/N-D22XK; Size-7 7/8"; MFG-HTC; Type-J33C; Jets-13/13/14; In-1642; Out-Drlg; Ftg-3058; Hrs-107; FPH-28.6; WOB-40K; RPM-60; BHA-723; Liner-5 1/2; Stroke-18; SPM-50; Press-900; GPM-296; NV-231; AV-279/196; Dev-3/4 @ 4514; Time breakdown-15 1/2 hrs-Drlg; 1/4 hr-Service rig; 1 1/4 hrs-Drlg; 1/2 hr-Totco; 6 1/2 hrs-Drlg.  
DMC \$1,141 TMC \$5,000  
DWC \$9,510 CWC \$117,792

08/12/95 Day 13-Depth-4990; Prog-290; Oper-Circ for logs; Formation-Bone Springs Lime; MW-8.8; Vis-30; PV/YP-2/3; Gel-2/3; pH-9.5; WL-9.6; Cake-Flm; Chls-50,000; Bit #3; S/N-D22XK; Size-7 7/8"; MFG-HTC; Type-J33C; Jets-13/13/14; In-1642; Out-4990; Ftg-3348; Hrs-127 1/4; FPH-26.3; WOB-40K; RPM-65; BHA-723; Liner-5 1/2; Stroke-18; SPM-50; Press-900; GPM-296; NV-231; AV-279/196; Dev-3/4 @ 4514; Time breakdown-1 1/2 hr-Rig repair; 7 3/4 hrs-Drlg; 1/2 hr-Go to working pits; 12 1/2 hrs-Drlg; 1 3/4 hr-Circ & drop Totco.  
DMC \$3,450 TMC \$8,450  
DWC \$9,210 CWC \$127,002

08/13/95 Day 14-Depth-4990; Prog-0; Oper-Logging; Formation-Bone Springs Lime; MW-8.8; Vis-30; PV/YP-2/3; Gel-2/3; pH-9.5; WL-9.6; Cake-Flm; Solids-1%; Chls-50,000; Bit #3; S/N-D22XK; Size-7 7/8"; MFG-HTC; Type-J33C; Jets-13/13/14; In-1642; Out-4990; Ftg-3348; Hrs-127 1/4; FPH-26.3; WOB-40K; RPM-65; BHA-723; Liner-5 1/2; Stroke-18; SPM-50; Press-900; GPM-296; NV-231; AV-279/196; Dev-1 @ 4990; Time breakdown- 1/2 hr-Rig repair; 4 hrs-TOOH; 17 1/2 hrs-Logging (Log TD @ 4992').  
DMC \$0 TMC \$8,450  
DWC \$4,360 CWC \$131,362

Page Four  
Drilling and Operation Summary  
Sheep Draw Federal #4

08/14/95 Day 15-Depth-4990; Prog-0; Oper-Set slips & Rigging dn; Formation-Limestone; Bit #3; S/N-D22XX; Size-7 7/8"; MFG-HTC; Type-J33C; Jets-13/13/14; Ftg-3348; Hrs-127 1/4; FPH-26.3; T/B/G-3/3/F; WOB-40K; RPM-65; Time breakdown- 7 hrs-Logging; 1 hr-RD loggers & RU csg crew; 5 1/4 hrs-Run 5 1/2" csg; 1/2 hr-Circ; 1 1/4 hr-Cmt 1st stage & drop bomb; 6 hrs-Circ; 1 hr-Cmt 2nd stage; 4 hrs-ND. Set slips & NU wellhead. \*\*NOTE-26 hrs on today's report. Rel Rig @ 8:00 am (MST) 08/14/95. Closing wtr meter-23554. Csg Report -Ran 110 jts 5 1/2" 15.5#/ft; LT/C: K-55; 8rd csg (5,011.75') set @ 4990'. Ran 10 cent & 10 turbolizers on jts#1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,34,35 & 109. Left 6 jts (275.44) & 1-19.70' cut-off left on location. Cmt Report 1st stage - Pmpd 10 bbls wtr, 10 bbls CW 100, 10 bbls wtr, 10 bbls D75, 10 bbls wtr, 335 sxs 50/50 H/Poz w/5# salt, .3% FLAC, 2.5# X-Pand, 1/4# Floceal & .2% Defoam. Mixed @ 14.4#/g & 1.31 yield. Displ w/40 bbls FW & 78 bbls mud. Plug dn @ 8:50 pm (MST) 08/13/95. Drop opening bomb. Open tool w/900 psi. Circ 6 hrs. Circ 77 sxs to pit. 2nd stage-Pmpd 10 bbls wtr, 10 bbls CW 100, 10 bbls wtr, 10 bbls D75, 10 bbls wtr, 180 sxs 65/35 C/Poz w/6% gel & 1/4# Floceal. Mixed @ 13.2#/g & 1.75 yield. Tailed w/500 sxs 50/50 H/Poz w/5# sk salt, .3% FLAC, 2.5#/sk X-Pand, 1/4# /sk Floceal & .2% Defoam. Mixed @ 14.4#/g w/1.31 yield. Displ w/81 bbls wtr. Plug dn @ 4:10 am 08/14/95 (MST). Close DV tool w/1500 psi over lift. Held OK. Did not circ cmt. Set 65,000# on slips. ND BOP. NU wellhead. Test head to 2000 psi-OK. Released Rig @ 8:00 am(MST) 08/14/95.  
DMC \$0 TMC \$8,450  
DWC \$79,010 CWC \$210,372

08/15/95 thru  
08/28/95 Waiting on completion.  
DMC \$0 TMC \$8,450  
DWC \$0 CWC \$210,372

08/29/95 MIRU Rental equipment. NU BOP. Uload 152 jts 2 7/8" J-55 tbh (4994.14'). GIH w/4 3/4" bit, 4-3 1/2" DC (126.55'), x-overs & tbh to 3395'. RU Davis rev unit & drl out cmt, plugs, & DV tool to 3397'. Test csg 650 psi/15 min (OK). Continue in hole to 4935'. Drl cmt to 4947' (FC). Circ hole clean. POOH. GIH w/bit, 5 1/2" csg scraper on tbh. Work scraper through DV tool. Continue in hole to 4900'. SDFN.  
DMC \$0 TMC \$8,450  
DWC \$17,700 CWC \$228,072

08/30/95 SIP-0; GIH to 4947' (SLM). RU D/S & pickle tbh w/100g 15% HCL. Rev out acid & circ hole w/2% KCL. Pull tbh to 4608' & spot 200g 7 1/4% MSR100. POOH. RU Wedge wireline & run CBL, CCL & GR from 4943' (log PBTD) to 1600' (600 psi). TOC @ 350'. DV tool @ 3397'. Perf Delaware @ 4596-4606 (10' 2 SPF-21 holes). GIH w/Model "R" pkr, SN & 2 7/8" tbh to 4511. Rev 5 bbls via csg. Set pkr w/14 pts. Press csg to 500 psi (OK). Breakdown new perfs. Broke @ 1350 psi. Put acid away 2 BPM @ 710 psi; ISIP-550. Acidize w/800g 7 1/2% MSR100 & 42 ball sealers. Max avg & Fin rate 2.25 BPM. Max press @ 2500 (Ball out). Avg-720; Final 800; ISIP-530; 5 min-380; 10 min-230; (TLTR-65 bbls) RD D/S & RU swab. IFL-surf. Made 9 runs. FFL-SN. Rec 45 BLW; BLWTR-20 bbls.  
DMC \$0 TMC \$8,450  
DWC \$7,900 CWC \$235,972