

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

FORM APPROVED
OMB NO. 1004-0137
November 30, 2000

C19F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2. Name of Operator

Louis Dreyfus Natural Gas Corporation

3. Address 14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

3a. Phone No. (include area code)
(405) 169-1300

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At surface 990 FNL & 900 FEL

At top prod. interval reported below

At total depth

14. Date Spudded

4-19-00

15. Date T.D. Reached

5-23-00

16. Date Completed

☐ D & A ☒ 2-9-01

5. Lease Serial No.

NM - 14846

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

17613

8. Lease Name and Well No.

Loco Hills 4 Fed #4

9. API Well No.

30-015-31024 S1

10. Field and Pool, or Exploratory

Grayburg; Strawn

11. Sec., T., R., M., on Block and Survey or Area 4-18S-29E

12. County or Parish

Eddy Co.

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

3525'

18. Total Depth: MD

TVD 10,620

19. Plug Back T.D.: MD

TVD 10,585

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Compensated Neutron/NGT, Azimuthal Laterolog/CFL/NGT
Three Detector Litho-Density

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	68#		430		480 sks		Surface	
11	8 5/8	32#		3080		1025 sks		Surface	
7 7/8	5 1/2	17#		9802		900 sks		5,500	
4 3/4	2 7/8	6.5#		10605		150 sks			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Strawn			10,215 - 10,237	4 SPF	89	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10,215 - 10,237	Acid Frac with a total of 237 bbl acid and 100 bbl CO2
	See Attachment

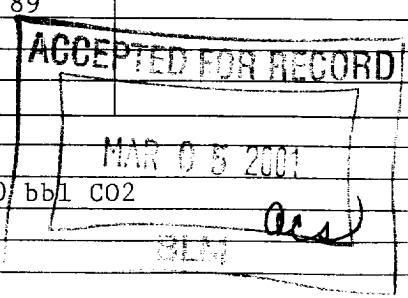
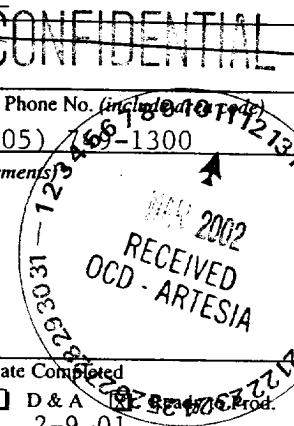
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2-9-01	2-14	24	→	6	64	4	43.6		Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
10/64	SI 110		→	6	64	4	1;10,666	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
	SI		→						

(See instructions and spaces for additional data on reverse side)



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Name (please print) Carla Christian Title Regulatory Technician
Signature Carla Christian Date 2/15/01

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other:

32. Additional remarks (include plugging procedure):

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
				Wolfcamp Canyon Strawn Atoka Clastics Lower Atoka	8446 9104 10013 10311 10500

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Solid

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

28b. Production - Interval C		28c. Production - Interval D	
Date First Produced	Test Hours	Date First Produced	Test Hours
Tested	Tested	Tested	Tested
Oil	Oil	Oil	Oil
BBL	BBL	BBL	BBL
Gas	Gas	Gas	Gas
MCF	MCF	MCF	MCF
Water	Water	Water	Water
BBL	BBL	BBL	BBL
Oil Gravity	Oil Gravity	Oil Gravity	Oil Gravity
Corr. API	Corr. API	Corr. API	Corr. API
Gas	Gas	Gas	Gas
Gravity	Gravity	Gravity	Gravity
Production Method	Production Method	Production Method	Production Method
Well Status	Well Status	Well Status	Well Status
Gas : Oil Ratio	Gas : Oil Ratio	Gas : Oil Ratio	Gas : Oil Ratio
24 Hr. Rate	24 Hr. Rate	24 Hr. Rate	24 Hr. Rate
Oil BBL	Oil BBL	Oil BBL	Oil BBL
Gas MCF	Gas MCF	Gas MCF	Gas MCF
Water BBL	Water BBL	Water BBL	Water BBL
Choke Size	Choke Size	Choke Size	Choke Size
Tbg. Press.	Tbg. Press.	Tbg. Press.	Tbg. Press.
Csg. Press.	Csg. Press.	Csg. Press.	Csg. Press.
Flow. SI	Flow. SI	Flow. SI	Flow. SI

11-16-00	Squeezed perfs 5630 – 5656 & 5675 – 5688, 45 sks cement in formation.
11-17 & 11-18-00	Drilled out CIBP's @ 6900 7680 9040
11-19-00	Squeezed perfs 7738 – 7793 7393 – 7408 6950 – 6973 & 6988 – 6994 202 sks cement in formation
11-26-00	Drilled out CIPB @ 9300
11-29-00	Squeezed perfs 9286 – 9518 w/300 sks 9105 – 9116 w/50 sks



PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

June 1, 2000

Louis Dreyfus Natural Gas Company
P. O. Box 370
Carlsbad, NM 88221

Re: Deviation Report
Loco Hills 4 Fed Com #4
Sec. 4, T-18-S, R-29-E

Gentlemen:

The following is a deviation survey on the above-referenced well located in Eddy County, New Mexico.

402' - 0.75	5404' - 3.25	6409' - 1.70	6969' - 3.10	7950' - 3.50
697' - 0.75	5711' - 5.00	6440' - 1.60	7033' - 3.20	8025' - 3.00
1100' - 0.75	5807' - 7.50	6470' - 1.40	7064' - 2.90	8119' - 3.00
1472' - 0.75	5900' - 11.0	6502' - 1.50	7097' - 3.10	8214' - 2.50
1884' - 1.25	5971' - 9.70	6533' - 1.90	7221' - 3.20	8309' - 2.25
2224' - 0.75	6039' - 8.70	6565' - 2.60	7284' - 3.80	8404' - 2.25
2598' - 0.75	6064' - 6.30	6597' - 3.00	7348' - 3.80	8496' - 2.25
3038' - 0.50	6095' - 6.30	6629' - 3.30	7410' - 3.70	8591' - 2.00
3389' - 1.00	6127' - 6.30	6659' - 3.10	7440' - 3.70	8686' - 2.00
3824' - 1.00	6158' - 6.20	6690' - 3.10	7501' - 3.10	8813' - 1.75
4169' - 1.75	6188' - 5.80	6722' - 2.80	7589' - 2.70	9032' - 1.75
4353' - 1.50	6219' - 4.70	6752' - 3.30	7621' - 2.40	9221' - 1.20
4602' - 2.00	6251' - 3.60	6782' - 3.40	7652' - 2.10	9504' - 1.20
4819' - 2.75	6282' - 3.20	6813' - 3.30	7714' - 1.60	9660' - 1.80
4941' - 3.50	6313' - 2.80	6844' - 3.00	7776' - 2.60	9808' - 1.50
5058' - 3.25	6346' - 2.40	6876' - 3.00	7840' - 3.20	
5150' - 3.25	6378' - 2.20	6938' - 3.20	7870' - 3.30	

Sincerely,

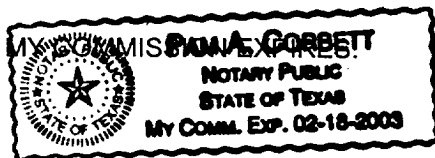
Treva Forrester

Treva Forrester

STATE OF TEXAS)

COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 30th day of January, 2001 by Treva Forrester.



Pamela Corbett

NOTARY PUBLIC