

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-96568
2. Name of Operator Louis Dreyfus Natural Gas Corp.		6. If Indian, Allottee or Tribe Name
3a. Address 14000 Quail Springs Parkway Suite 600, Oklahoma City, OK 73134	3b. Phone No. (include area code) (405) 749-5287	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SL: 1930' FWL & 280' FSL Sec. 13, T22S-R25E		8. Well Name and No. McGruder "13" Federal Com
		9. API Well No.
		10. Field and Pool, or Exploratory Area Happy Valley Morrow Gas
		11. County or Parish, State Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Setting casing string</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)
- Drilled 12 1/4" hole to 5000'. Ran 9 5/8" 40# HCK & J-55 csg. to 5000'. Cemented 1st lead with 310 sks. 35/65 POZ, 6% D20 gel, 1/4# sk. CelloFlake (D29), 1% CaCl2 (SI) at 13.2 lbs. per gal. @ 1.75 yield. Followed by 393 skz. Cl. C neat @ 14.8 lbs. per gal., 1.32 yield. Dropped bottom plug and displaced 377 bbls. of water. Bumped plug, plug held. Drop free falling cone & load top plug in cement head, pressure up on cone to 200# and open DV tool & circulate. Pumped 48 sks. excess cement to surface from DV tool. 2nd stage cement 924 sxs. 35/65 POZ, 6% D20 gel, 1/4# sk. CelloFlake (D29), 1% CaCl2 (SI) @ 13.2 lb. per gal. w/ 1.75 yield. Followed by 100 sks. Cl. C neat @ 14.8 lbs. per gal., yield 1.32. Dropped top plug and displaced 240 bbls. water. Float held OK. Pumped 68 sks. excess cement to surface. Bumped plug. Cut off 9 5/8" & nipple up "D" section. Nipple up 5000# BOP & manifold, test BOP, Hydril & manifold to 5000# by third party tester.

(ORIG. SGD.) GARY GOURLEY

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terrye D. Bryant

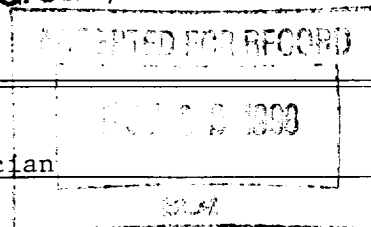
Signature

Title

Regulatory Technician

Date

September 3, 1998



THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Louis Dreyfus Natural Gas Corp.

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

3b. Phone No. (include area code)

(405) 749-5287

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

SL: 1930' FWL & 280' FSL Sec. 13, T22S-R25E

5. Lease Serial No.

NM-96568

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

McGruder "13" Federal Com #

9. API Well No.

10. Field and Pool, or Exploratory Area

Happy Valley Morrow Gas

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Setting casing string</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drilled 8 3/4" hole from 5000' to 5200'. Commenced directional drilling @ 5200' w/steerable motor. TD @ 11,825'. Ran 5 1/2" 17# LT&C and P110HC, LT&C csg. to 11,819'. Cemented with 150 sxs. Cl. H PWS 2 gal/sx. D600 "T", 3% D44 salt & .3% D800 & .02 gal/sx. M45 & 21b/sx. D-42. Mixed @ 15.6#, yield 1.2. Tailed in w/350 sx. Cl. H @ 2 gal/sx. D600 & 3% D44 & .3% D800 & .02 gal/sx. M45 antifoam mixed @ 15.6 lb, yield 1.2. Dropped plug & displaced w/273 bbls. 2% KCl water. Float held OK. Test to 5000 psi.

(ORIG. SGD.) GARY GOURLEY

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terrye D. Bryant

Signature

Terrye D. Bryant

Title

Regulatory Technician

Date

September 3, 1998

ACCEPTED FOR RECORD

NOV 02 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 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.

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Get Bureau No. 100-9135
Expires: March 31, 1993

N.M. Oil Cons. Division

5. Lease Designation and Serial No.

NM-96568

311 S. 1st Street
Artesia, NM 88210-2834

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

McGruder "13" Federal Com #1

9. API Well No.

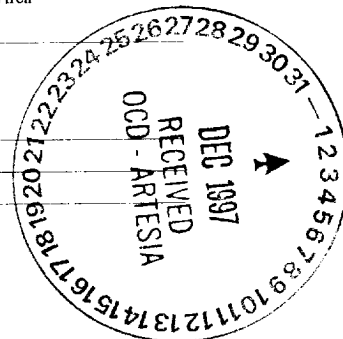
30-015-29871

10. Field and Pool, or Exploratory Area

Happy Valley Morrow Gas

11. County or Parish, State

Eddy County, New Mexico



SUNDRY NOTICES AND REPORTS ON WELLS

Do 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. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

LOUIS DREYFUS NATURAL GAS CORP.

3. Address and Telephone No.

14000 QUAIL SPRINGS PARKWAY, STE. 600, OKLAHOMA CITY, OK 73134 (405) 749-13

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

1930' FWL & 280' FSL Sec. 13 T22S-R25E

990' FSL & 1980' FEL Sec. 13 T22S-R25E (Bottom Hole)

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
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water
(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed 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.)*

1. Drill a 36" hole to 40'. Set 40' of 30" conductor pipe and cement to surface with redi-mix.
2. Drill a 26" hole to 350'. Run and set 350' of 20" 94# K-55 Buttress thread. Circulate to surface with 600 sks class "C" cement.
3. Drill a 17 1/2" hole to 1200'. Run and set 1200' of 13 3/8" 54.5# K-55 8-rd thread. Circulate to surface with 900 sks class "C" cement.
4. Drill a 12 1/4" hole to 5000'. Run and set 5000' of 9 5/8" 40# S-95 LT&C casing. Cement with 1100 sks class "C" to 200' into 13 3/8" casing.
5. Drill 8 5/8" hole to TD @ 11888'. Run and set 11888' of 5 1/2" 23 & 26# LT&C casing. Cement with 2 stages w/DV Tool @ 8500' 1240 sks class "H" cement.

Note: If a string of 7" casing is required to control the Atoka or Wolfcamp Zone, then 4 1/2" casing will be run for a production string.

I hereby certify that the foregoing is true and correct

Signature: *Alexis C. Swoboda*

Title: Production Foreman

Date: November 25, 1997

Space for Federal or State office use)

by (ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Date: NOV 28 1997

of approval, if any:

* 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 as to any matter within its jurisdiction.

*See Instructions on Reverse Side

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

OCTOBER 2, 1997

ORDER NO. DD-A-6

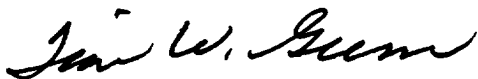
Mr. W. Thomas Kellahin
Kellahin and Kellahin
(Louis Dreyfus)
P.O. Box 2265
Santa Fe, New Mexico 87504-2265

Re: APD-Directional Drill McGruder Federal No.1
SHL 1930' FWL & 280' FSL
BHL 710' FSL & 1650' FEL
SEC. 13, T-22s, R-25e
Eddy County, New Mexico

Dear Mr. Kellahin :

Louis Dreyfus is hereby authorized to drill the McGruder Federal No.1 as a Directional Drill . Additional State approval will not be required as long as the bottom hole location / producing interval is within the set back rules (1650' from end and 660' from side boundaries).

OIL CONSERVATION DIVISION



TIM W. GUM
DISTRICT II SUPERVISOR.