

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ 2001 FEB 21 PM 1:57

2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

3. NAME OF OPERATOR
Louis Dreyfus Natural Gas Corporation

4. ADDRESS AND TELEPHONE NO.
14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134

5. LOCATION OF WELL (Report location clearly and in accordance with any state requirements.)
At surface
UL H, 1960' FNL & 730' FEL, Sec. 7-26N-7W

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
23 Miles Southeast of Blanco, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)
730'

8. NO. OF ACRES IN LEASE
320

9. NO. OF ACRES ASSIGNED TO THIS WELL
320

10. PROPOSED DEPTH
6750'

11. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)
6132'

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
H 7-26N-7W

15. APPROX. DATE WORK WILL START*
15-Mar-01

16. DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8" J55	24#	350'	250 sx Class H
7 7/8"	5 1/2" LT&C	11.6#	6750' --	550 sx Class H

1. Drill 11" hole to \pm 350'. Set 8 5/8" J55, 24# surface csg at \pm 350. Cement w/250 sx Class H.
2. Drill 7 7/8" hole to \pm 6,750'. Set 5 1/2", LT&C, 11.6# csg at \pm 6,750. Cement w/550 sx Class H.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Conita Christian TITLE Regulatory Technician DATE 2/20/01
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval 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.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Jim Lovato TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, 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.

NMOCD

District I
1901 Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

2001 FEB 21 PM 1:57

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ A/P Number 30-039-26680	¹ Pool Code 22319	¹ Pool Name Basin (Dakota)
⁴ Property Code 5964	³ Property Name MKL	⁸ Well Number 7-3
¹ OGRID No. 025773	¹ Operator Name LOUIS DREYFUS NATURAL GAS CORP.	⁹ Elevation 6132'

¹⁰ Surface Location

UL, or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	7	26N	7W		1960'	NORTH	730'	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL, or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	S89°19'W	5509.02'							
5280.00'					1960'		5257.56'		
					730'				
	Section 7								
N00°08'E									
		100% Federal Mineral BLM SF-079162							
	N89°57'W	5444.34'							

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Carla Christian
Signature
Carla Christian
Printed Name
Regulatory Technician
Title
2-20-01
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

08/09/2000
Date of Survey
Signature and Seal of Professional Surveyor:
Henry P. Broadhurst
Certificate Number
HENRY P. BROADHURST
NEW MEXICO
PROFESSIONAL SURVEYOR

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PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS NOS NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1977
FIELD CHECKING ..... 1981 MAP EDITED ..... 1985
PROJECTION ..... TRANSVERSE MERCATOR
GRID ..... 100-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 10
..... 19,000-FOOT STATE GRID TICS ..... NEW MEXICO, CENTRAL
..... AND WEST ZONES
UTM GRID DECLINATION ..... 1 32 WEST
1985 MAGNETIC NORTH DECLINATION ..... 13 EAST

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Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

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.

1. Type of Well



Oil Well



Gas Well



Other

2. Name of Operator

LOUIS DREYFUS NATURAL GAS CORP.

3a. Address

Suite 600

14000 QUAIL SPGS PKWY, OKLA CITY, OK 73134

3b. Phone No. (include area code)

405-749-1300

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

1960' FNL & 730' FEL, Sec. 7-26N-7W

5. Lease Serial No.

NMSF-079162

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

MKL 7-3

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Dakota/Blanco Mesa Verde

11. County or Parish, State

Rio Arriba 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"/> Altering 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Cementing program for csg.
	<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 recompletion 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.)

1. Cement surface casing @ a depth of 350' with 140 sks Type III + 2% CaCL2 + 1/4 lb Cello Flake - Circ to surf @ a density of 14.6 ppg, yield 1.39 cf/sk, and mix water @ 6.67 gps.

2. Production casing (5 1/2" - 17# N80 & J55) ran to 6750' will be cemented in two stages with a D.V. tool @ 2950'. (Circulate to surface) First Stage: 360 sks 35:65 POZ L; Type III + 6% gel + 10#/sk CSE + 1% FL-52 + .3% CD-32 + 1/4# Cello Flake mixed at 12.5 ppg, Yield = 2.03 cf/sk, water = 10.15 gps. Second Stage: Lead 290 sks 35/65 POZ L; Type III + 8% Gel + 5#/sk LCM-1 mixed at 12.1 ppg, Yield = 2.08 cf/sk, water = 11.09 gps. Tail: 50 sks Type III cement + 1% CaCL2 + 1/6# Cello Flake mixed at 14.6 ppg, water @ 6.65 gps, Yield = 1.38 cf/sk.

(See attached Job Description)

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Carla Christian

Title Regulatory Technician

Signature



Date: March 13, 2001

Approved by

/s/ Jim Lovato

Title

Date

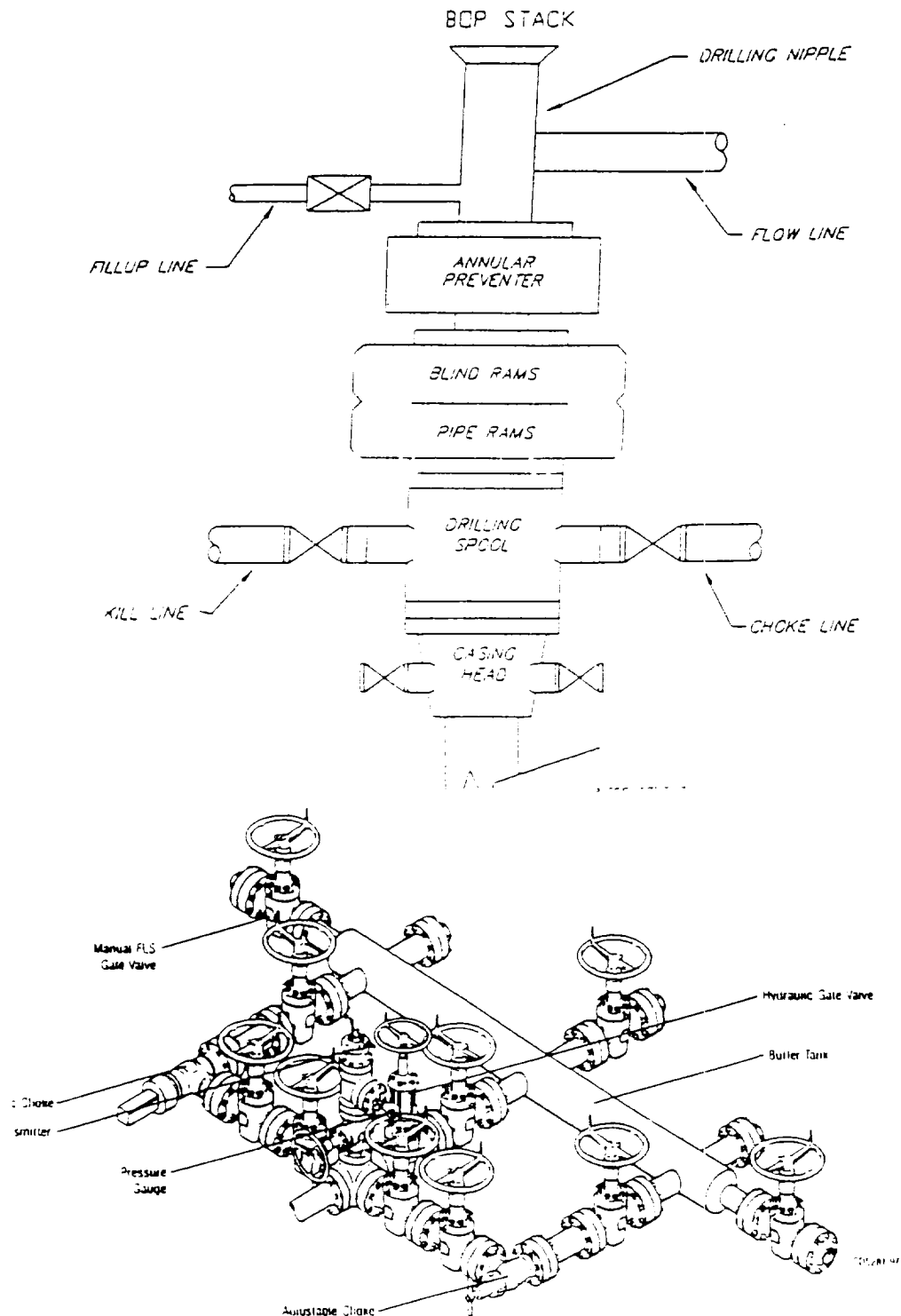
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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

Exhibit 6

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC



Typical Choke Manifold Designed for Land Drilling Applications