

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

~~Louis Dreyfus Natural Gas Corp.~~ *Dominion etc*

(405) 749-1300

3. ADDRESS AND TELEPHONE NO.

14000 Quail Springs Pkwy., #600, OK City, Ok. 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

870' FNL & 1180' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 air miles SSW of Bloomfield

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1180'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

206'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,145' ungraded

5. LEASE DESIGNATION AND SERIAL NO.

NMNM-03523

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME WELL NO.

30307
Holloway 6 1

9. AP WELL NO.

30-045-30536

10. FIELD AND POOL OR WILDCAT

Fr Coal & W Kutz PC Ex

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

A 6-26n-11w NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

16. NO. OF ACRES IN LEASE

1,275.24

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NE 1/4 160.29 & 320.29 *EA*

19. PROPOSED DEPTH

2,000'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

July 19, 2001

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	J-55 8-5/8"	24	250'	≈185 sx & to surface
7-7/8"	J-55 5-1/2"	15.5	2,000'	≈300 sx & to surface

This permit is subject to the BLM
procedural review rules at 43 CFR 3160.3
and appeal pursuant to 43 CFR 3160.4.

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

cc: BIA, BLM, Conoco, Gabbard, NAPI, OCD (via BLM), Tribe

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

Consultant (505) 466-8120

1-8-01

SIGNED

TITLE

DATE

(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/ Charlie Beecham

TITLE

DATE

JUL 12 2001

*See Instructions On Reverse Side

District I
 PO 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

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

API Number 30-045-30536		Pool Code 71629 79680		Pool Name Basin Fruitland Coal Kut2 West PC	
Property Code 25773 30307		Property No. HOLLOWAY 6			Well Number 1
OGRID No. 25773		Operator Name ETP			Elevation 6145
Dominion OKITX LOUIS DREYFUS NATURAL GAS					

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
A	6	26N	11W		870	NORTH	1180	EAST	SAN JUAN

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	13 Joint or Infill	14 Consolidation Code	15 Order No.

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

	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Brian Wood</i></p> <p>Signature</p> <p>Printed Name</p> <p>Title</p> <p>Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 24, 2000</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p><i>Cecil B. Tulland</i></p> <p>CECIL B. TULLAND REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO 9672</p> <p>Certificate Number</p>

Louis Dreyfus Natural Gas Corp.
Holloway 6 1
870' FNL & 1180' FEL
Sec. 6, T. 26 N., R. 11 W.
San Juan County, New Mexico

PAGE 1

Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Subsea Elevation</u>
Nacimiento Fm	000'	14'	+6,145'
Ojo Alamo Ss	300'	364'	+5,845'
Kirtland Sh	604'	618'	+5,541'
Fruitland Fm	1,036'	1,050'	+5,109'
Base Fruitland Coal	1,576'	1,590'	+4,569'
Pictured Cliffs Ss	1,594'	1,608'	+4,551'
Base of Pictured Cliffs	1,766'	1,770'	+4,389'
Total Depth (TD)*	2,000'	2,014'	+4,145'

* all elevations reflect the ungraded ground level of 6,145'

2. NOTABLE ZONES

<u>Gas Zones</u>	<u>Water Zones</u>	<u>Coal Zones</u>
Ojo Alamo Ss (300')	Nacimiento Fm (000')	Kirtland Sh (604')
Fruitland Fm (1,036')	Ojo Alamo Ss (300')	Fruitland Coal (1,036')
Pictured Cliffs (1,594')	Fruitland Fm (1,036')	

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 3,000 psi model is on PAGE 3. It will be

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PAGE 2

installed once the surface casing is cemented.

Onshore Order 2 standards will be followed for BOP, choke manifold, accumulator system, closing unit power, and locking devices installation, operation, maintenance, and tests. Hydraulic controls will be located on the rig floor. Manual controls will be hand wheels. Remote control for the accumulator will be 100' - 120' from the drill hole. Kill line will not be used as a fill line.

Ram type preventers and associated equipment (choke manifold, kelly cocks, etc.) will be tested to 100% of their rated working pressure (BOP stack isolated from casing by a test plug) for 10 minutes. Annular preventers will be tested to 50% of rated working pressure for 10 minutes. Tests will be run after initial installation, before drilling out of each casing shoe, and after any use under pressure; or a minimum of once every 14 days. Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Annular preventers will be functionally operated at least weekly. Such checks of BOP equipment will be noted on daily drilling reports.

4. CASING & CEMENT

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Age</u>	<u>GL Setting Depth</u>
11"	8-5/8"	24	J-55	New	250'
7-7/8"	5-1/2"	15.5	J-55	New	2,000'

Surface casing will be cemented to surface with ≈ 185 sx Class H + 3% CaCl_2 + 1/4 pound per sack Cello-Seal. If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to the surface through 1" pipe using Class H + 3% CaCl_2 .

Production casing will be cemented to the surface with ≈ 200 sx Halco Lite + 5 pounds per sack Gilsonite + 1/4 pound per sack Flocele® followed by ≈ 100 sx 50/50 Poz A + 2% gel + 0.5% Halad 322. Volumes to be determined by caliper.