

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

Domination
Louis Dreyfus Natural Gas Corp. (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

1050' FNL & 840' FEL

At proposed prod. zone

Same

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

14 air miles SW of Bloomfield

15. DISTANCE FROM PROPOSED*

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

1050'

16. NO. OF ACRES IN LEASE

1,880

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

264'

19. PROPOSED DEPTH

2,000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

NE 1/4 160 & 320

20. ROTARY OR CABLE TOOLS

Rotary

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

5,867' ungraded

22. APPROX. DATE WORK WILL START*

July 5, 2001

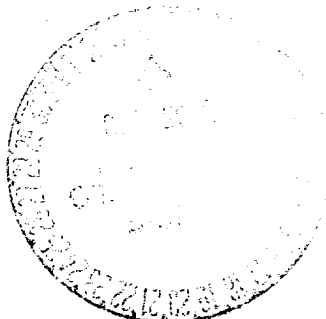
23.

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 action is taken in accordance with
procedural rules and is subject to appeal to the
and appeal pursuant to 43 CFR 2160.4.

NOTES: 1. ALL INFORMATION PROVIDED ARE
ONLY OF A GENERAL NATURE. 2. ON 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 surface locations and measured and true vertical depths. Give blowout preventer program, if any.

24

SIGNED

[Signature]

TITLE

Consultant (505) 466-8120

DATE

1-6-01

(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/ Charis Beecham

TITLE

DATE

SEP - 3

*See Instructions On Reverse Side

2000

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

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

AP# Number 30-045-30533		Pool Code 71629 & 79680	BAS. FRUIT. COAL & WEST KUTZ PC EX	
Property Code 30495	Property Name CAMPBELL		Well Number 27	
OGRID No. 025773	Operator Name LOUIS DREYFUSS NATURAL GAS		Elevation 5867	

10 Surface Location

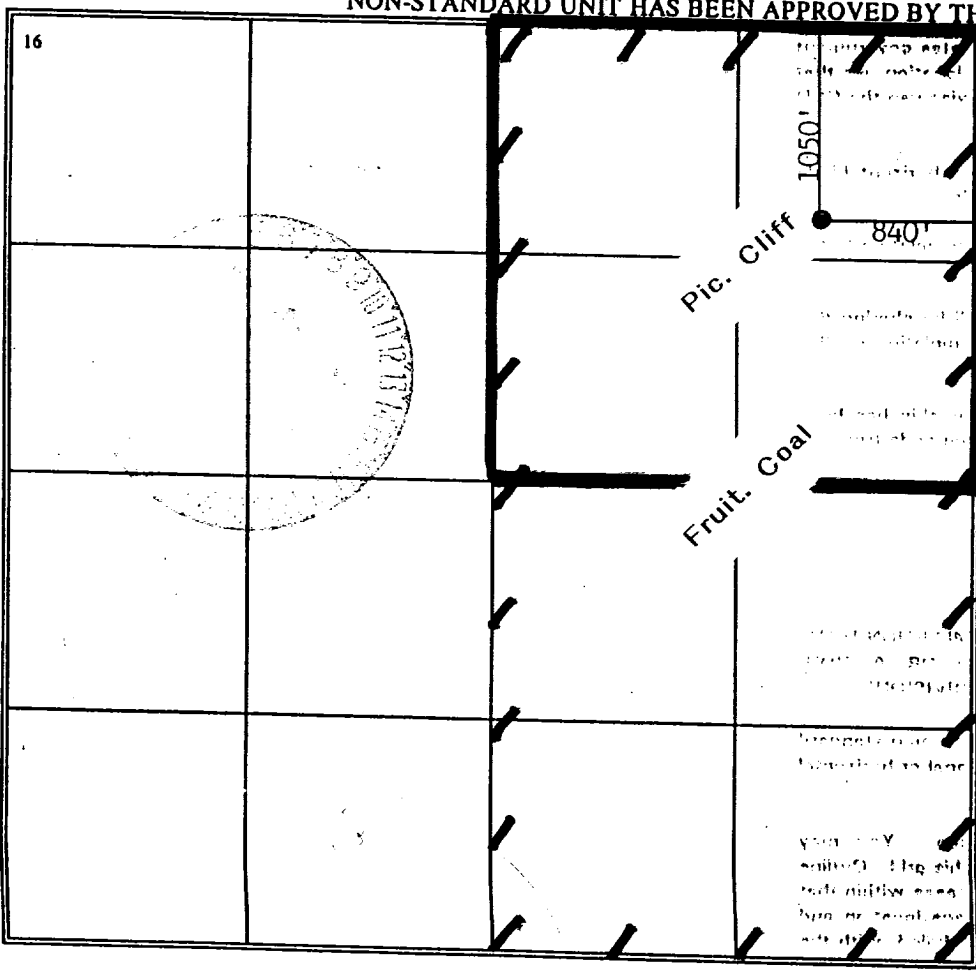
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	27	27N	12W		1050	NORTH	840	EAST	SAN JUAN

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

16		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature BRIAN WOOD Printed Name CONSULTANT Title Date JAN. 6, 2001
		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. Date of Survey OCTOBER 24, 2000 Signature and Seal of Professional Surveyor: CECIL B. TULLIS Certificate Number 9672

[illegible]

Issued May 1, 1948

Louis Dreyfus Natural Gas Corp.
Campbell 27 1
1050' FNL & 840' FEL
Sec. 27, T. 27 N., R. 12 W.
San Juan County, New Mexico

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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'	+5,867'
Ojo Alamo Ss	50'	64'	+5,817'
Kirtland Sh	236'	250'	+5,631'
Fruitland Fm	749'	763'	+5,118'
Base Fruitland Coal	1,296'	1,310'	+4,571'
Pictured Cliffs Ss	1,316'	1,330'	+4,551'
Base of Pictured Cliffs	1,456'	1,470'	+4,411'
Total Depth (TD)*	2,000'	2,014'	+3,867'

* all elevations reflect the ungraded ground level of 5,867'

2. NOTABLE ZONES

<u>Gas Zones</u>	<u>Water Zones</u>	<u>Coal Zones</u>
Ojo Alamo Ss (50')	Nacimiento Fm (000')	Kirtland Sh (236')
Fruitland Fm (749')	Ojo Alamo Ss (50')	Fruitland Coal (749')
Pictured Cliffs (1,316')	Fruitland Fm (749')	

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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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.