Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NMSF-079114-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL ☑ DEEPEN ☐

7. UNIT AGREEMENT NAME: 30496 N/A

b. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER — SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. FARM OR LEASE NAME, WELL NO.: Campbell 26#2

2. NAME OF OPERATOR: Dominion Louis Dreyfus Natural Gas Corp. (405) 749-1300

9. API WELL NO.: 30-045-30532

3. ADDRESS AND TELEPHONE NO.: 14000 Quail Springs Pkwy., #600, OK City, Ok. 73134

10. FIELD AND POOL, OR WILDCAT: Fr Coal & W Kutz PC Ex

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 990' FNL & 990' FEL
At proposed prod. zone: Same

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: A 26-27n-12w NMPM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 13 air miles SSW of Bloomfield

12. COUNTY OR PARISH: San Juan

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 990'

16. NO. OF ACRES IN LEASE: 1,880

17. NO. OF ACRES ASSIGNED TO THIS WELL: FC E/2 PC NE/4 160 & 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.: 3930'

19. PROPOSED DEPTH: 2,000'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5,937' ungraded

22. APPROX. DATE WORK WILL START*: June 21, 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 subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

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

cc: BIA, BLM, 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. SIGNED: [signature] TITLE: Consultant (505) 466-8120 DATE: 1-4-01

(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/ Charlie Beecham TITLE _____ DATE SEP - 3

*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

¹ API Number	² Pool Code	³ Pool Name
30-045-30532	71629 & 79680	BAS. FRUIT. COAL & WEST KUTZ PC EX

⁴ Property Code	⁵ Property Name	⁶ Well Number
30496	CAMPBELL 26	2

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
025773	LOUIS DREYFUSS NATURAL GAS	5937

¹⁰ Surface Location

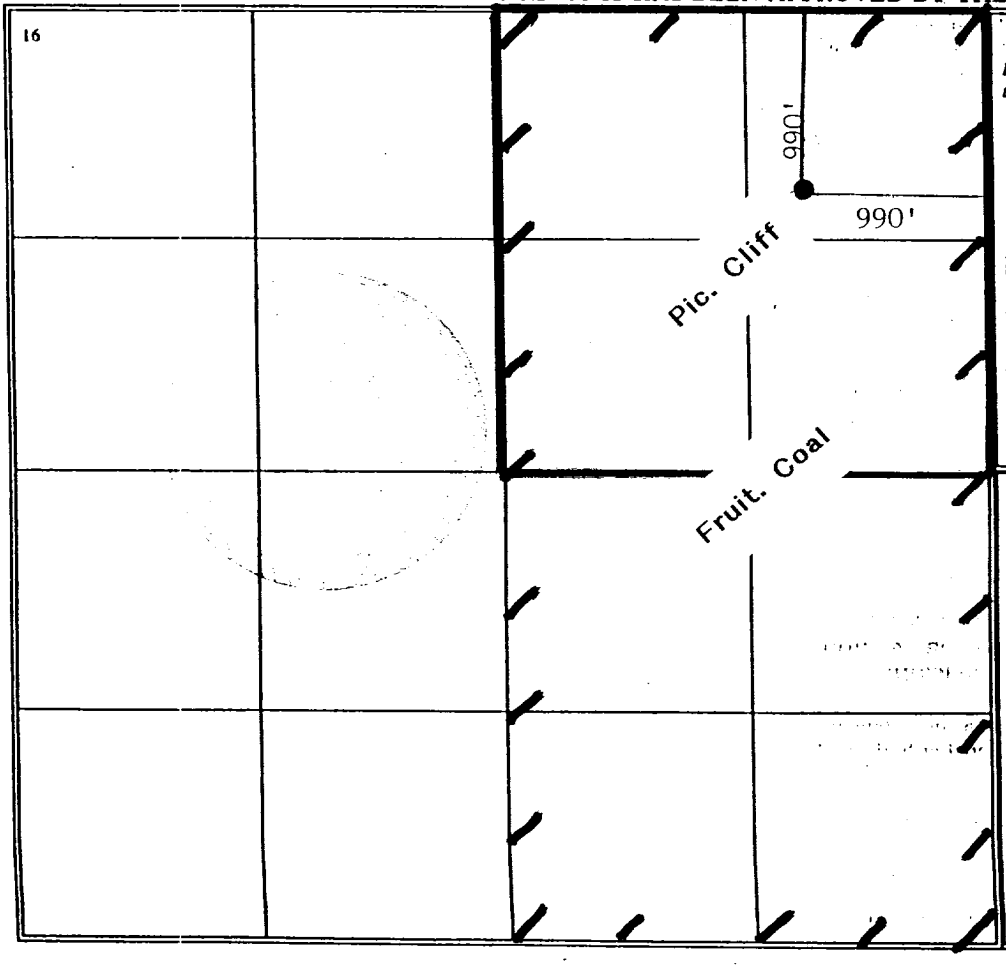
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	26	27N	12W		990	NORTH	990	EAST	SAN JUAN

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



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: BRIAN WOOD

Title: CONSULTANT

Date: JAN. 4, 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.

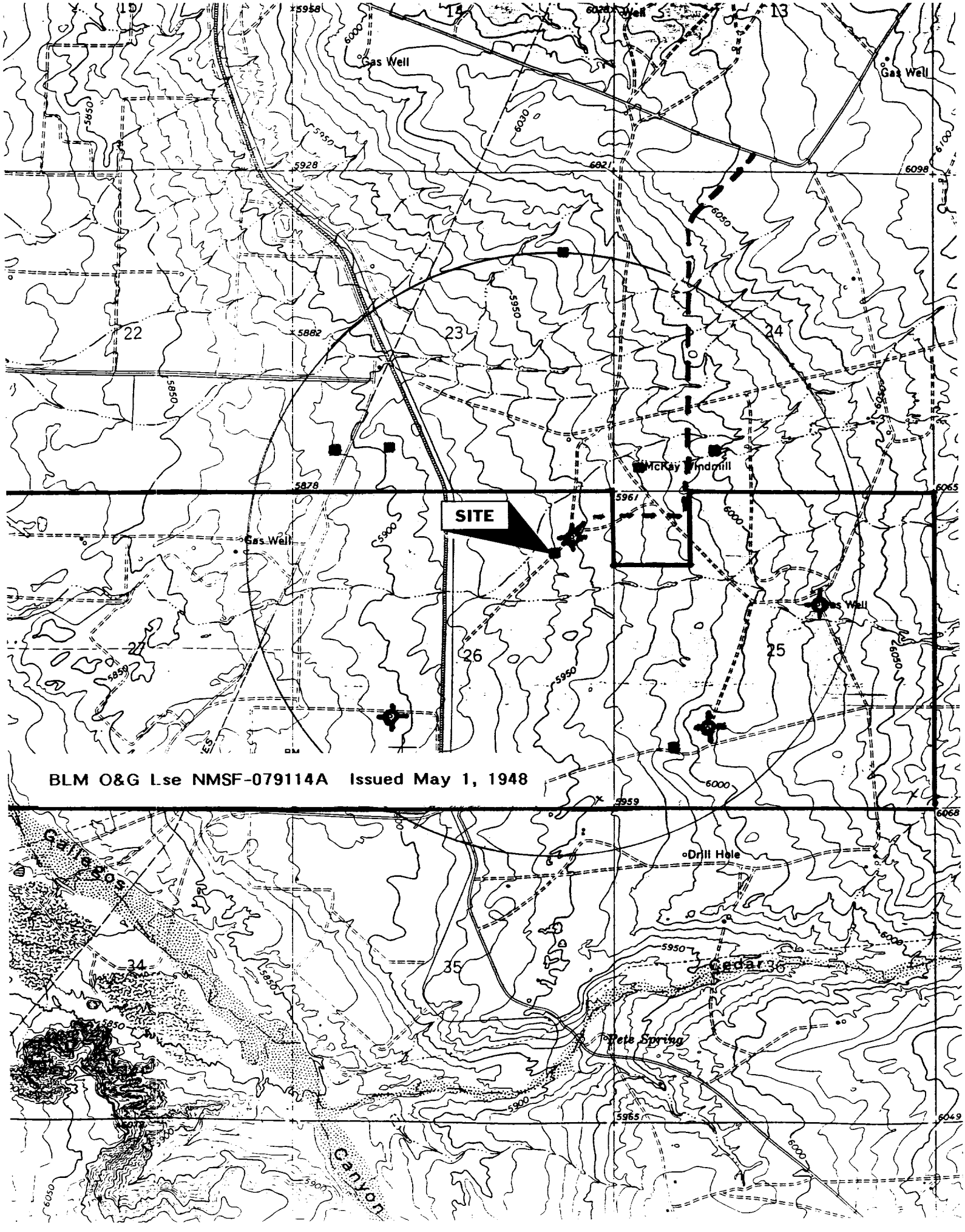
Date of Survey: OCTOBER 24, 2000

Signature and Seal of Professional Surveyor: Cecil B. Tullis

NEW MEXICO 9672 REGISTERED PROFESSIONAL LAND SURVEYOR

CECIL B. TULLIS

Certificate Number: 9672


SITE
Gas Well
McKay Windmill
Drill Hole
Pete Spring
Cedar
Canyon
22
23
24
25
26
27
34
35
36
BLM O&G Lse NMSF-079114A Issued May 1, 1948

Louis Dreyfus Natural Gas Corp.
Campbell 26 2
990' FNL & 990' FEL
Sec. 26, T. 27 N., R. 12 W.
San Juan County, New Mexico

Drilling Program

1. ESTIMATED FORMATION TOPS

Formation Name	GL Depth	KB Depth	Subsea Elevation
Nacimiento Fm	000'	14'	+5,937'
Ojo Alamo Ss	150'	164'	+5,787'
Kirtland Sh	361'	375'	+5,576'
Fruitland Fm	876'	890'	+5,061'
Base Fruitland Coal	1,414'	1,428'	+4,523'
Pictured Cliffs Ss	1,433'	1,447'	+4,504'
Base of Pictured Cliffs	1,576'	1,590'	+4,361'
Total Depth (TD)*	2,000'	2,014'	+3,937'

* all elevations reflect the ungraded ground level of 5,937'

2. NOTABLE ZONES

Gas Zones	Water Zones	Coal Zones
Ojo Alamo Ss (150')	Nacimiento Fm (000')	Kirtland Sh (526')
Fruitland Fm (876')	Ojo Alamo Ss (150')	Fruitland Coal (876')
Pictured Cliffs (1,433')	Fruitland Fm (876')	

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

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 a 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

Hole Size	O.D.	Weight (lb/ft)	Grade	Age	GL Setting Depth
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.