

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address. LOUIS DREYFUS NATURAL GAS CORP. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		² OGRID Number 025773
		³ API Number 30 - 025 - 34813
⁴ Property Code 22194	⁵ Property Name STATE ETA	⁶ Well No. 4

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	8	16 S	35 E		660	NORTH	1650	WEST	LEA

⁸ Proposed 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

⁹ Proposed Pool 1 TOWNSEND; MORROW (GAS)	¹⁰ Proposed Pool 2
--	-------------------------------

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4044'
¹⁶ Multiple No	¹⁷ Proposed Depth 12,700'	¹⁸ Formation Morrow	¹⁹ Contractor Patterson	²⁰ Spud Date 1/1/2000

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	350'	330	Surface
12-1/4"	9-5/8"	32#	4700'	1567	Surface
7-7/8"	5-1/2"	17#	12700'	500	9700'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Drill 17-1/2" hole to $\pm 350'$. Set 13-3/8" csg. @ TD, cement to surface w/130 sx. 35:65 Poz:Cl. C + 2% CaCl₂ + 0.25#/sk. Cello Flake + 6% Bentonite. Tail w/200 sx. Cl. C + 2% CaCl₂.
2. Drill 12-1/4" hole to $\pm 4700'$. Run 9-5/8" 32# csg, cement to surface w/1296 sx. 35:65 Poz:Cl. C + 5% NaCl + 0.25#/sk. Cello Flake + 6% Bentonite. Tail w/271 sx. Cl. C + 1% CaCl₂.
3. Drill 7-7/8" hole to $\pm 12700'$. Set 5-1/2" 17# csg, cementw/500 sx. Cl. H + 0.2% CD-32 + 1% FL-62 + 0.5% BA-10A -0.1% Diacel LWL + 2#/sk. EC-1. Estimated TOC 9700'. See attached "Exhibit 6" for BOP program.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Terrye D. Bryant

Title:

Regulatory Technician

Date:

12/20/00

Phone:

(405) 749-5287

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

2-3-1999

Expiration Date:

Conditions of Approval:

Attached ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway