

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-101  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

clerk  
Bum  
OP

☐ AMENDED REPORT

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

|  |                                   |                              |
|--|-----------------------------------|------------------------------|
| 1 Operator Name and Address.<br>LOUIS DREYFUS NATURAL GAS CORP.<br>14000 Quail Springs Prkwy., Ste. 600, OKC, OK 73134 |                                   | 2 OGRID Number<br>025773     |
|  |                                   | 3 API Number<br>30-015-29179 |
| 4 Property Code<br>17447   | 5 Property Name<br>PINNACLE STATE | 6 Well No.<br>15             |

| 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 |
| A                  | 36      | 22S      | 28E   |         | 990           | NORTH            | 990'          | EAST           | EDDY   |

| 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 |
| 30670   |         |          |       |         |                                   |                  |               |                |        |
| 9 Proposed Pool 1<br>HERRADURA BEND, DELAWARE, EAST       |         |          |       |         | 10 Proposed Pool 2<br>SEP 20 1996 |                  |               |                |        |

|                        |                            |                          |                             |                                   |
|------------------------|----------------------------|--------------------------|-----------------------------|-----------------------------------|
| 11 Work Type Code<br>N | 12 Well Type Code<br>O     | 13 Cable/Rotary<br>R     | 14 Lease Type Code<br>STATE | 15 Ground Level Elevation<br>3258 |
| 16 Multiple<br>N       | 17 Proposed Depth<br>6475' | 18 Formation<br>Delaware | 19 Contractor<br>TMBR/Sharp | 20 Spud Date<br>9/30/96           |

| 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"     | 54.5#              | 380'          | 400 Sxs         | To Surface    |
| 12 1/4"                               | 8 5/8"      | 24 & 32#           | 2700' 2750'   | 1000 Sxs        | To Surface    |
| 7 7/8"                                | 5 1/2"      | 15.5#              | 6475'         | 900 Sxs         | To Surface    |
|                                       |             |                    |               |                 |               |
|                                       |             |                    |               |                 |               |

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. Fresh water sands will be protected by setting 13 3/8" csg at 380' and cementing to surface.
2. The potash reserves will be protected by setting 8 5/8" csg at 2700' and cementing to surface.
3. The 5 1/2" production csg will be set @ 6475' and cemented to surface. The well will then be completed as a producer.

Post AD-1  
10-4-96  
APR Loc & API

|   |  |  |                          |
|---|--|--|--------------------------|
| 23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <i>Gene Simer</i> |  | OIL CONSERVATION DIVISION                                    |                          |
| Printed name: Gene Simer  |  | Approved by: ORIGINAL SIGNED BY TIM W. GUM                   |                          |
| Title: Production Foreman   |  | Title: DISTRICT II SUPERVISOR                                |                          |
| Date: 09-19-96  |  | Approval Date: 9-25-96                                       | Expiration Date: 9-25-97 |
| Phone: 885-1313   |  | Conditions of Approval:<br>Attached <input type="checkbox"/> |                          |

R-III-P

Musty R. ROCC in addition  
time to witness cementing  
the 8 5/8" casing