

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI-STATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

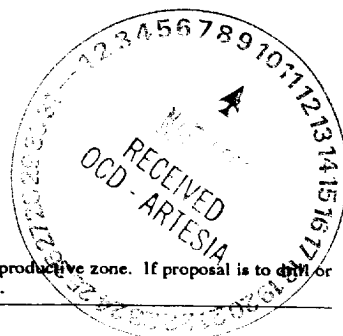
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-23416		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Louis Dreyfus Natural Gas Corporation 25773			7. UNIT AGREEMENT NAME 17613		
3. ADDRESS AND TELEPHONE NO. (405) 749-1300 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134			8. FARM OR LEASE NAME, WELL NO. Loco Hills 4 Federal #5		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 2310' FWL (SE/4 NW/4) At proposed prod. zone Unit F			9. API WELL NO. 30-015-31025		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 Miles Southeast of Artesia, NM			10. FIELD AND POOL, OR WILDCAT UNOES GRAYBURG, UPPER PENN		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 330' FEL		16. NO. OF ACRES IN LEASE 80	17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		19. PROPOSED DEPTH 9,800	20. ROTARY OR CABLE TOOLS R		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3541'			22. APPROX. DATE WORK WILL START* 5/1/2000		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" J55	54.5#	400'	360 sxs - Surface
11"	8 5/8" K55	32#	3100'	995 sxs - Surface
7 7/8"	5 1/2" N80	11.6#	9800'	375 sxs - Est TOC 7000'

- A. Drill 17 1/2" hole to 400'. Set 13 3/8" surface casing at 400' with 360 sxs cement.
- B. Drill 11" hole to 3100', set 8 5/8" intermediate casing at 3100'. Cement with 795 sxs 35:65 POZ/C tail in with 200 sxs Class C.
- C. Drill 7 7/8" hole to 9800'. Set 5 1/2" production Casing at 9800'. Cement with 375 sxs modified H .3% D 156.

Post 2-24-00



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 Carla Christian TITLE Regulatory Technician DATE 2-18-00

(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 LARRY D. GRAY TITLE Assistant Field Manager, Lands And Minerals DATE 2-18-00

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Instruction on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Upper Penn
Property Code 24932	Property Name LOCO HILLS "4" FEDERAL	Well Number 5
OGRID No.	Operator Name LOUIS DREYFUS NATURAL GAS CORPORATION	Elevation 3541'

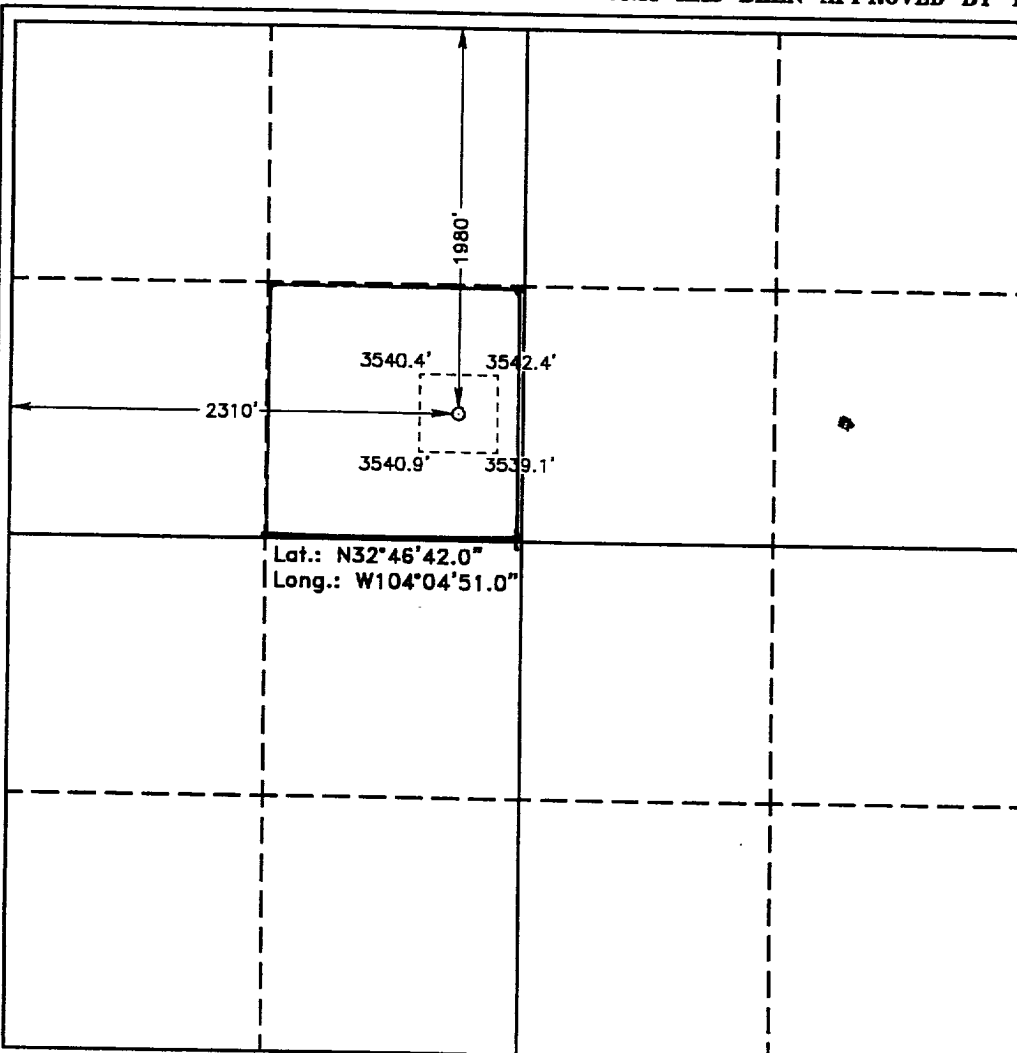
Surface Location

UL or lot No. F	Section 4	Township 18 S	Range 29 E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 2310	East/West line WEST	County EDDY
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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
Dedicated Acres 40	Joint or Infill N	Consolidation Code	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



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Carla Christian
Signature

Carla Christian
Printed Name

Regulatory Technician
Title

3-14-00
Date

SURVEYOR CERTIFICATION

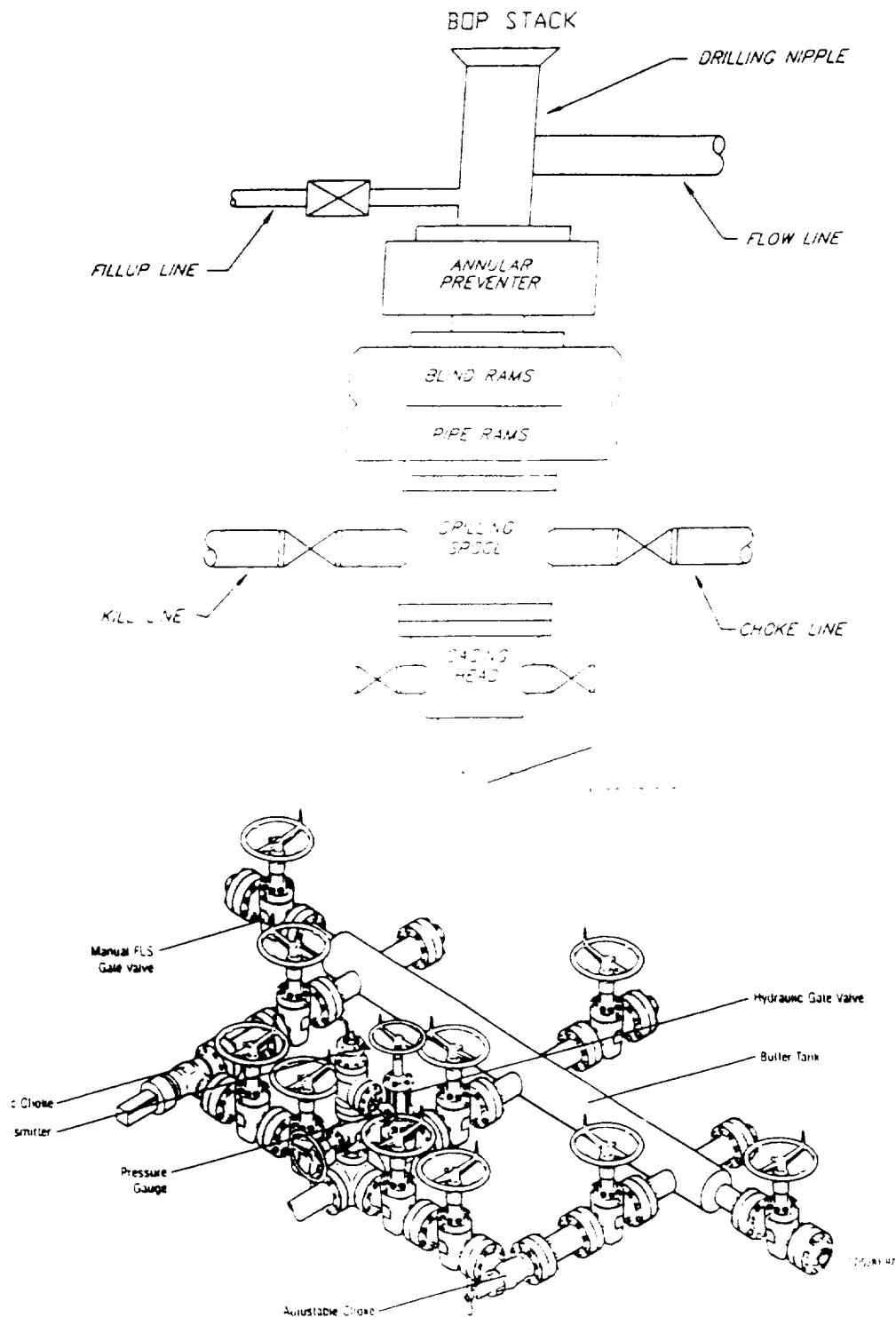
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

January 10, 2000

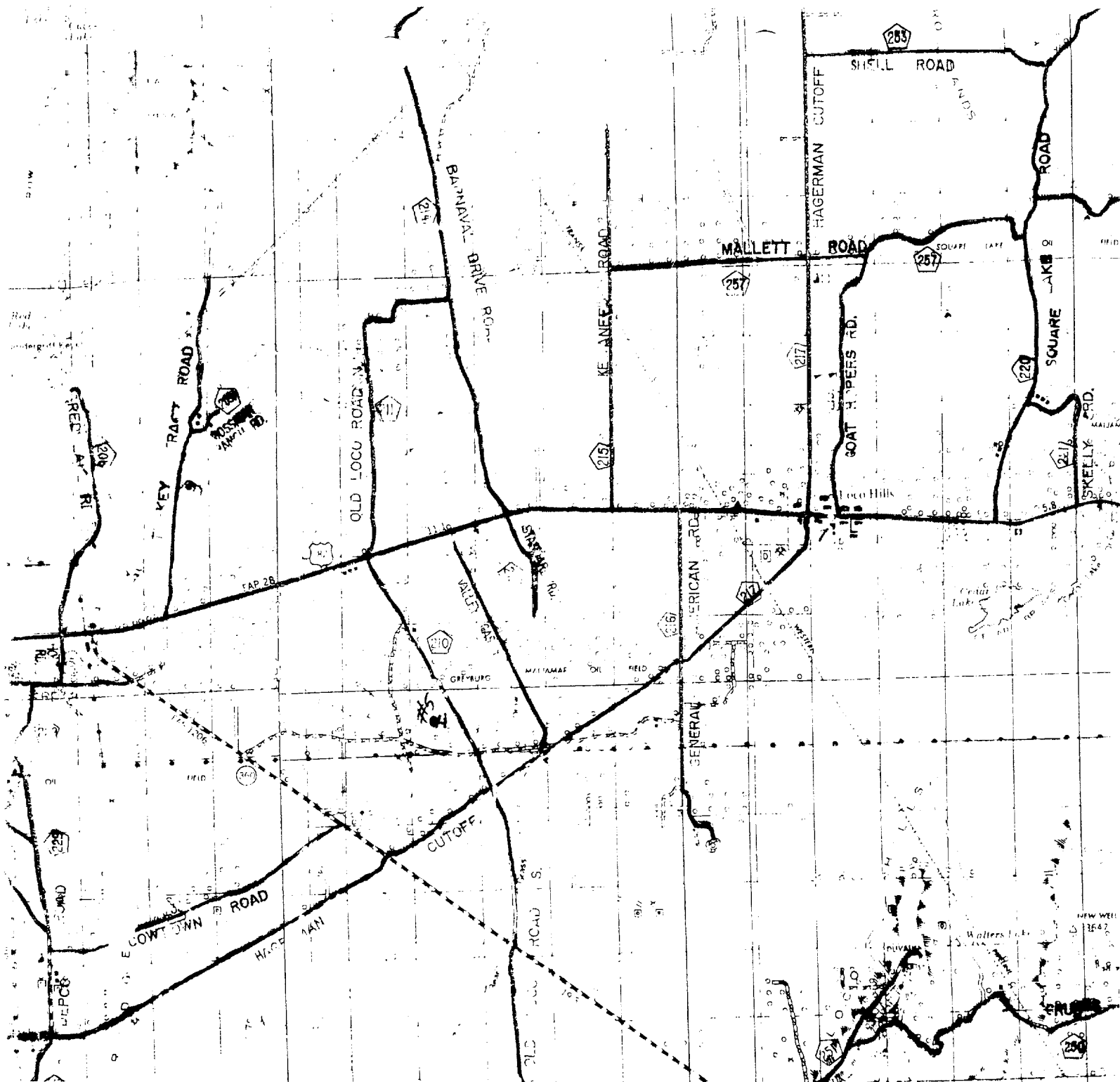
Date Surveyed
Signature & Seal
Professional Surveyor
NEW MEXICO
W.O. No. 00134
Certificate No. Gary Jones 7977
BASIN SURVEYS

Exhibit 6

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC



Typical Choke Manifold Designed for Land Drilling Applications



LOUIS DREYFUS NATURAL GAS CORP.
 LOCO HILLS "4" FED. #5
 1980' FNL & 2310' FWL
 Sec. 4, T-18-S, R-29-E,
 Eddy County, New Mexico.



SCALE: 1"=2 MILES

Basin Surveys

P.O. BOX 1786-HOBBS, NEW MEXICO

2000' 0 2000' 4000 Feet

W.O. Number: 0013 | Drawn By: K. GOAD | Survey Date: 01-10-2000 | Sheet 1 of 1 Sheets