

District I
PO Box 1980, Hobbs, NM 88241-1980
District I
311 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
State Lease - 6 Copies
Fee Lease - 5 Copies

cliff
Bum
500

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

☐ AMENDED

¹ Operator Name and Address Louis Dreyfus Natural Gas Corporation 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		² OGRID Number 025773
		³ API Number 30 - 015 - 31584
⁴ Property Code 27319	⁵ Property Name Saragossa "16" State	⁶ Well No. 2

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
B	16	23S	26E		660	North	1650	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

⁹ Proposed Pool 1

Carlsbad South (Morrow) PM

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 3341'
¹⁶ Multiple N	¹⁷ Proposed Depth 12,000'	¹⁸ Formation Morrow	¹⁹ Contractor Patterson	²⁰ Spud Date 2/09/01

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#	675'	450 sks	Surface
12 1/4"	9 5/8"	36#	2,800'	900 sks	Surface
8 3/4"	7"	26#	9,800'	1300 sks	7,000'
6 1/8"	4 1/2" Liner	13.5#	12,000'	150 sks	Tie back to 7"

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 675'. Run 13 3/8" csg. and cement to surface w/450 sks. Cement.
2. Drill 12 1/4" hole to \pm 2,800'. Set 9 5/8" csg. and cement to surface w/900 sks cement.
3. Drill 8 3/4" hole to \pm 9,800'. Run 7" csg. and cement to 7,000' w/1300 sks cement.
4. Drill 6 1/8" hole to \pm 12,000'. Run 4 1/2" liner and cement 300' inside 7" with 150 sks c

See attached "Exhibit 6" for BOP assembly.

Operator to comply with all FAA rules that may apply.

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

Signature: *Carla Christian*

Printed name: Carla Christian

Title: Regulatory Technician

Date: 1/22/01

Phone: (405) 749-5263

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY TIM W. GUM**
DISTRICT II SUPERVISOR

Title:

Approval Date:

JAN 30 2001

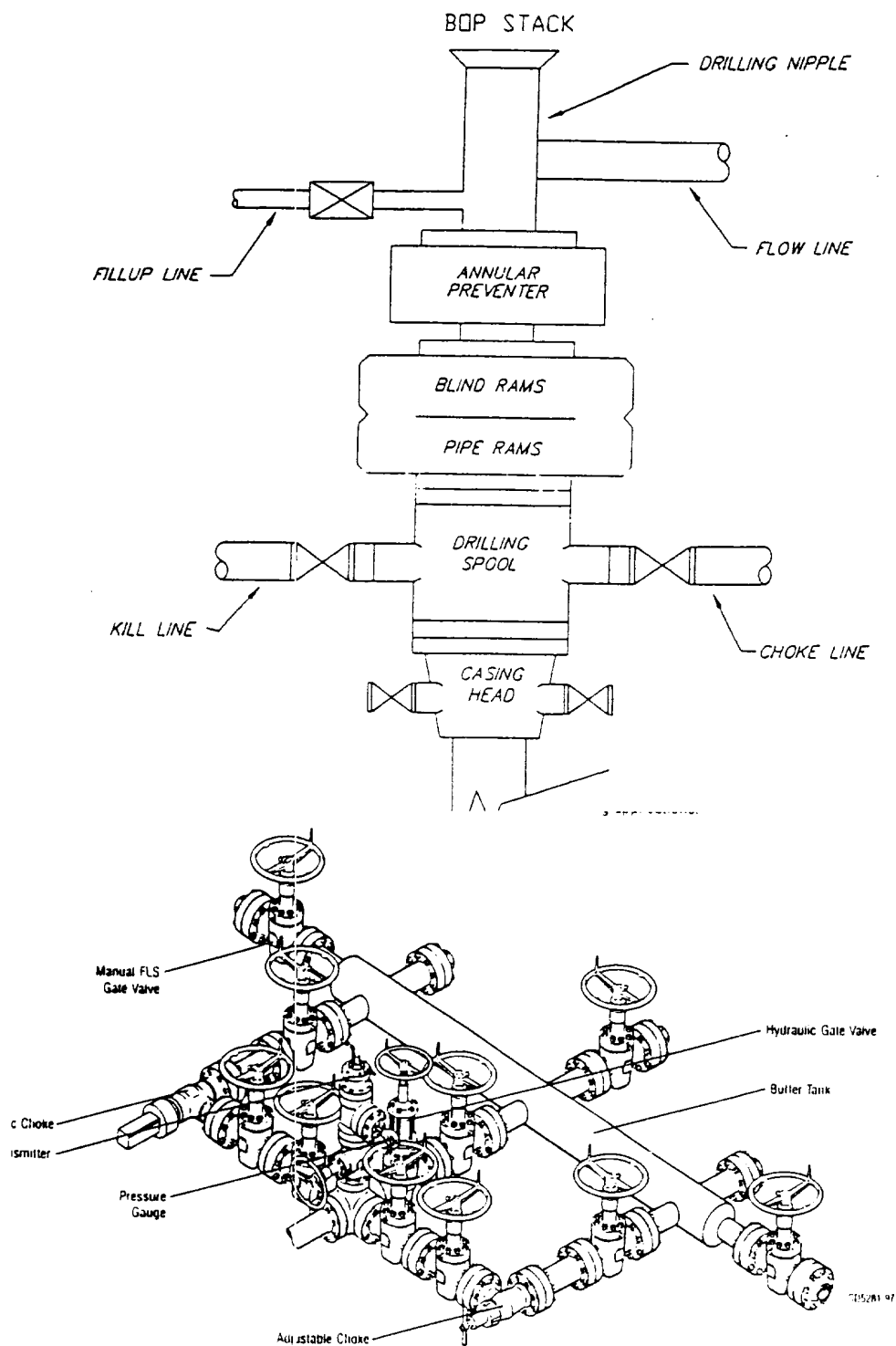
Expiration Date:

JAN 30 2002

Conditions of Approval :
Attached ☐

Exhibit 6

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



Typical Choke Manifold Designed for Land Drilling Applications

DISTRICT I
1623 N. French Dr., Hobbs, NM 88240

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 and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Carlsbad South (Morrow) PM
Property Code	Property Name	Well Number
	SARAGOSSA "16" STATE	2
OGRID No.	Operator Name	Elevation
025773	LOUIS DREYFUS NATURAL GAS CORPORATION	3341'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	16	23 S	26 E		660	NORTH	1650	EAST	EDDY

Bottom Hole Location If Different From Surface

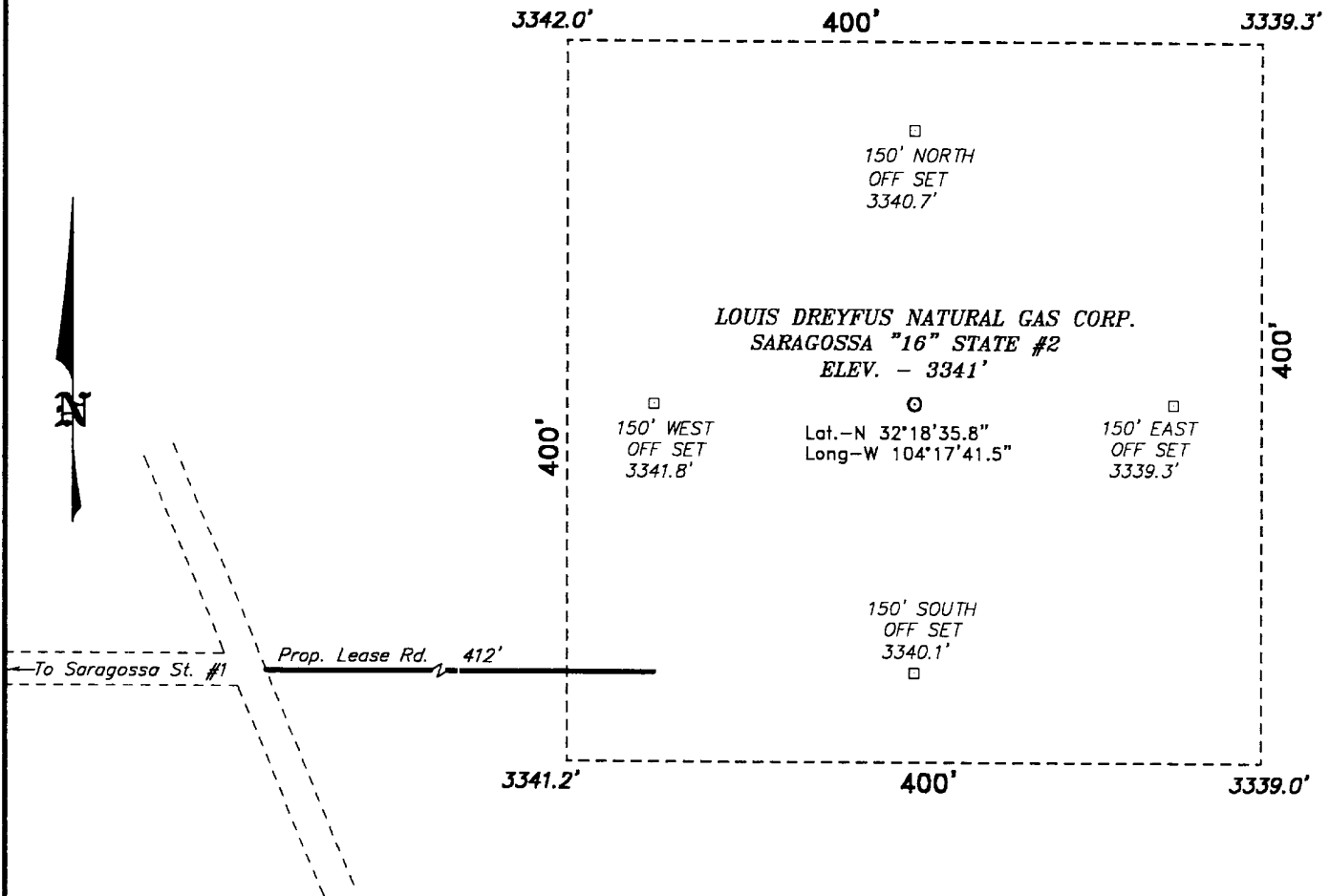
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
320	N								

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. <u>Carla Christian</u> Signature <u>Carla Christian</u> Printed Name <u>Regulatory Technician</u> Title <u>1/22/01</u> 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. <u>January 8, 2001</u> Date Surveyed <u>[Signature]</u> Signature & Seal of Professional Surveyor <u>7977</u> Professional Surveyor No. <u>1000</u> Certificate No. <u>E. Jones</u> Name <u>7977</u> Number

BASIN SURVEYS

SECTION 16, TOWNSHIP 23 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



SCALE: 1" = 100'

Directions to Location:

FROM THE JUNCTION OF US HWY 62/180 AND CO. RD. 408, GO NORTHERLY ON 62/180 FOR 1.5 MILE TO A LEASE ROAD LEFT; THENCE WESTERLY 1.4 MILE TO A "T"; THENCE GO NORTHERLY 0.3 MILE TO A PROPOSED LEASE ROAD WHICH LIES 412 FEET WEST OF THE PROPOSED WELL LOCATION.

Louis Dreyfus Natural Gas Corp.

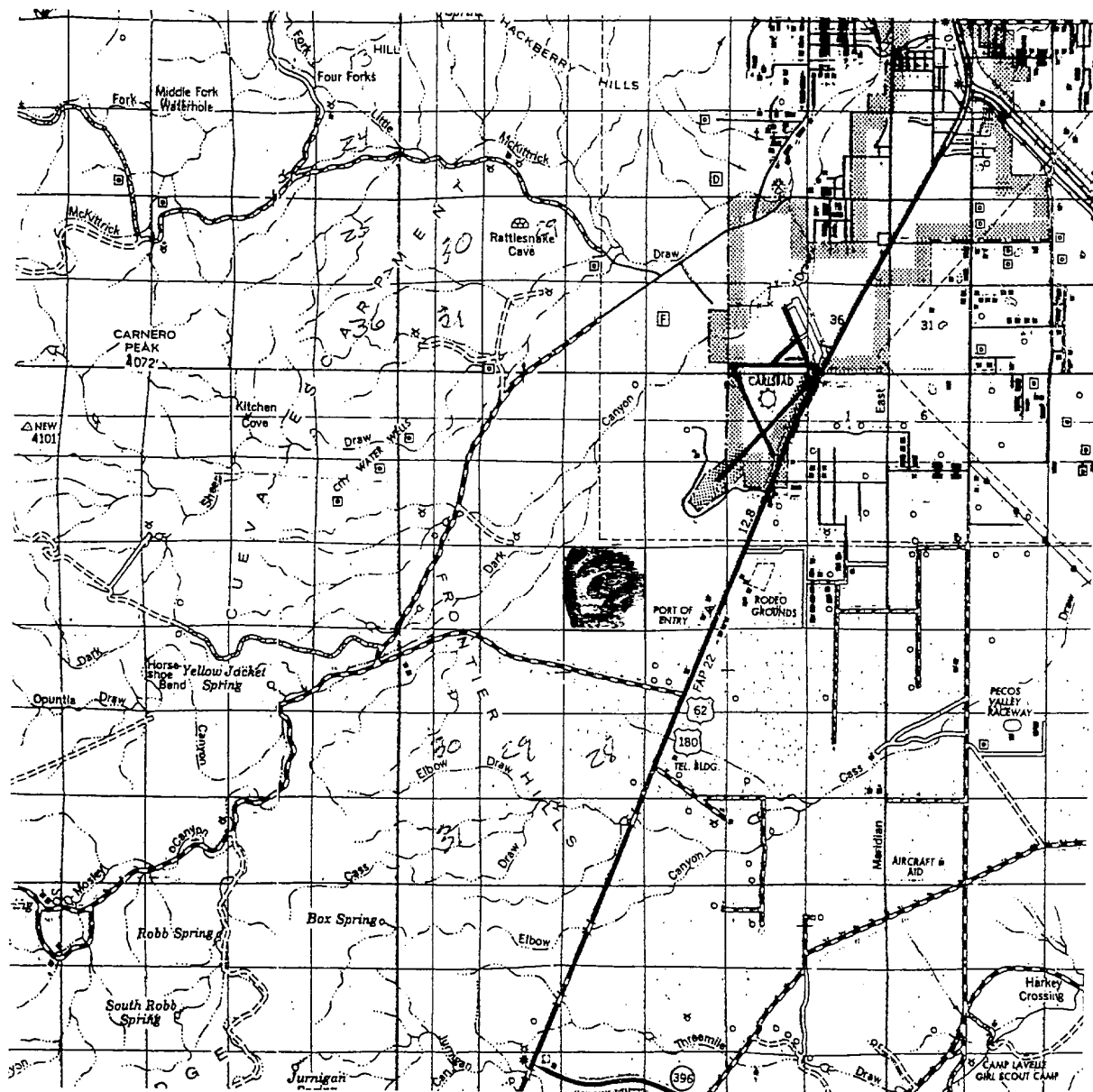
REF: Saragossa "16" State #2 / Well Pad Topo

THE SARAGOSSA "16" STATE No. 2 LOCATED 660' FROM THE NORTH LINE AND 1650' FROM THE EAST LINE OF SECTION 16, TOWNSHIP 23 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

Basin Surveys P.O. BOX 1786 - Hobbs, New Mexico

W.O. Number: 1002 Drawn By: K. GOAD

Date: 01-11-2001 Disk: KIC CD#3 1002A.DWG Survey Date: 01-08-2001 Sheet: 1 of 1



SARAGOSSA "16" STATE #2
 Located at 660' FNL and 1650' FEL
 Section 16, Township 23 South, Range 29 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

W.O. Number: 1002AA - KJG CD#3

Survey Date: 01-08-2001

Scale: 1" = 2 MILES

Date: 01-10-2001

LOUIS DREYFUS
 NATURAL GAS
 CORPORATION