

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

☐ AMENDED REPORT

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

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 30-025-35216
⁴ Property Code 25427	⁵ Property Name Toro "27" State	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	27	19S	35E		710	North	1980	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	
Klein Ranch; Southeast Scharb (Wolfcamp)					⁹ Proposed Pool 1					¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3733
¹⁶ Multiple N	¹⁷ Proposed Depth 11,300'	¹⁸ Formation Wolfcamp	¹⁹ Contractor Patterson	²⁰ Spud Date 11/15/00

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#	600'	480 sks	Surface
11"	8 5/8"	32#	5,300'	1800 sks	Surface
7 7/8"	5 1/2"	17#	11,300'	925 sks	7000'

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 600'. Run 13 3/8" csg. and cement to surface w/480 sks. cement.
2. Drill 11" hole to \pm 5,300'. Set 8 5/8" csg. and cement to surface w/1800 sks cement.
3. Drill 7 7/8" hole to \pm 11,300'. Run 5 1/2" csg. and cement to 7000' w/925 sks cement.

See attached "Exhibit 6" for BOP assembly.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Carla Christian</i>		OIL CONSERVATION DIVISION	
Printed name: Carla Christian		Approved by: <i>ORRIN L. GILBERT, EXECUTIVE VICE PRESIDENT</i>	
Title: Regulatory Technician		Title: <i>MANAGER, REGULATION</i>	
Date: 10/23/00		Approval Date: <i>10/23/00</i>	Expiration Date:
Phone: (405) 749-5263		Conditions of Approval: Attached <input type="checkbox"/>	

RMP

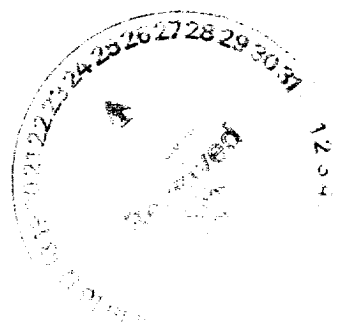
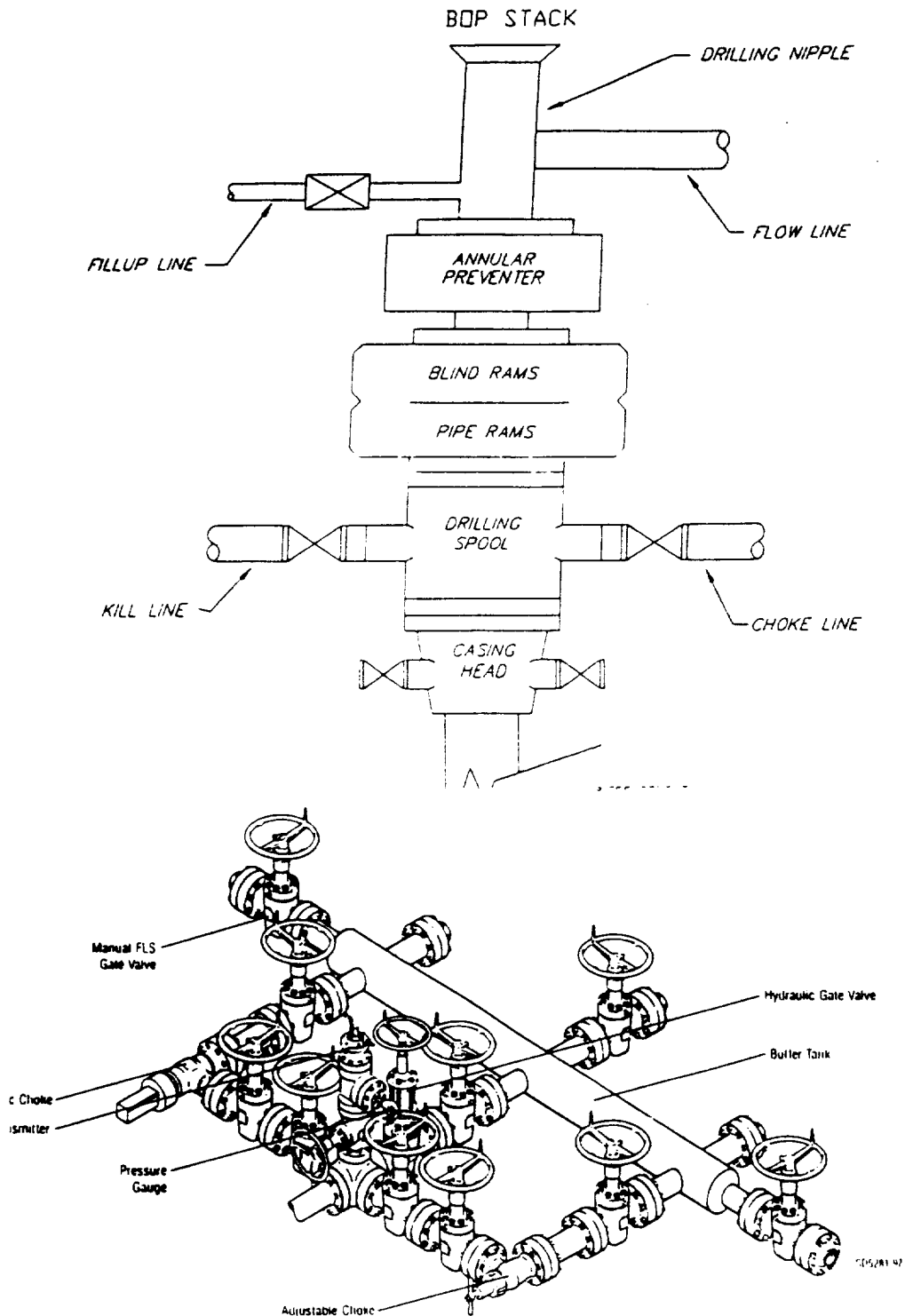


Exhibit 6

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



Typical Choke Manifold Designed for Land Drilling Applications



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1625 N. French Dr., Hobbs, NM 88240

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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 30-025-352.16	Pool Code 96989 55650	Property Name Klein Ranch; Southeast Scharb (Wolfcamp)	Pool Name
Property Code 25427	TORO "27" STATE		Well Number 4
GRID No. 025773	Operator Name LOUIS DREYFUS NATURAL GAS CORPORATION		Elevation 3733'

Surface Location

UL or lot No. C	Section 27	Township 19 S	Range 35 E	Lot Idn	Feet from the 710	North/South line NORTH	Feet from the 1980	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

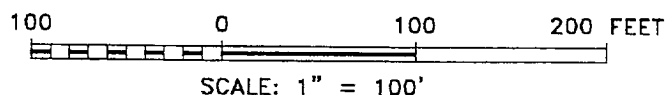
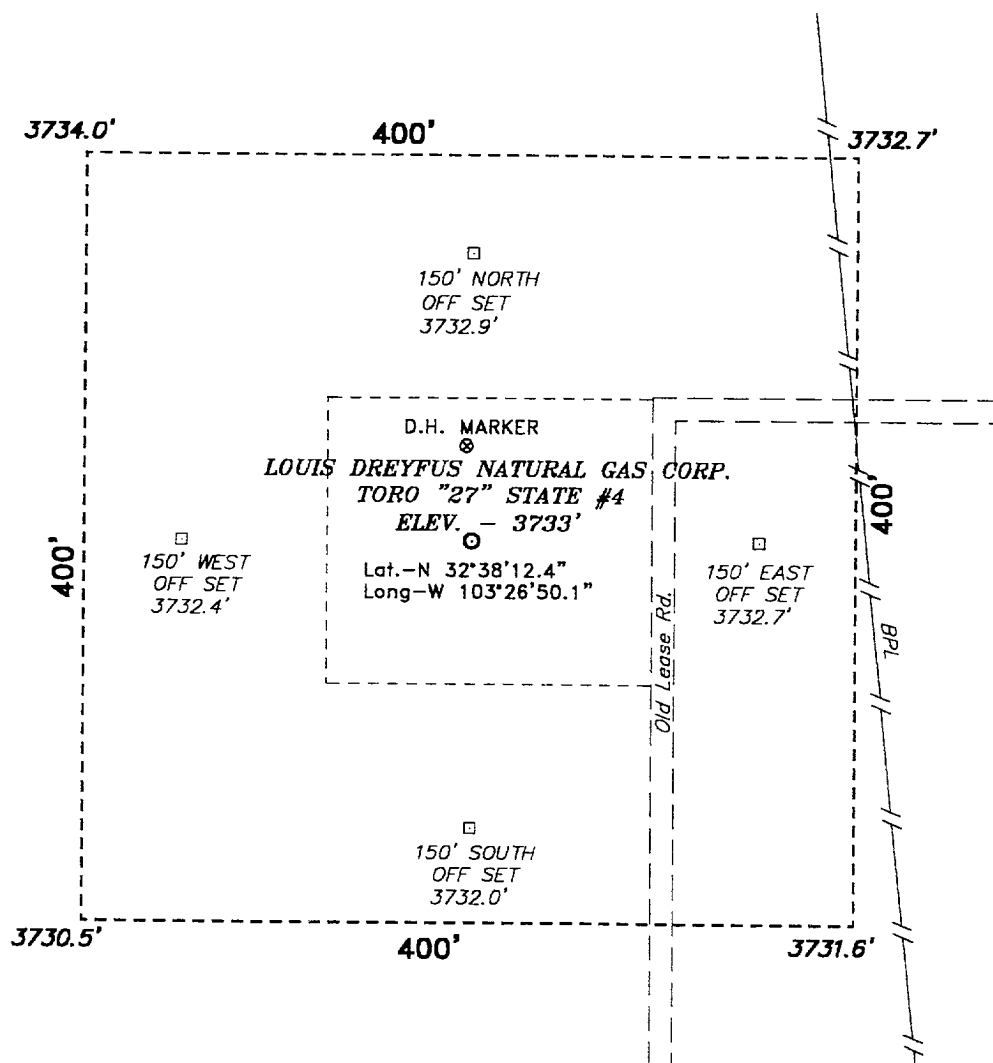
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.						

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

	Lat.: N32°38'12.4" Long.: W103°26'50.1"	OPERATOR CERTIFICATION	
		<p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Carla Christian</u> Signature Carla Christian Printed Name Regulatory Technician Title 10-23-00 Date</p>	
		SURVEYOR CERTIFICATION	
		<p>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.</p> <p>October 12, 2000</p> <p>Date Surveyed Signature <u>GARY L. JONES</u> Professional Surveyor NEW MEXICO 7977 W.O. No. 0494 Certificate No. Gary Jones 7977 PROFESSIONAL LAND SURVEYOR</p>	



SECTION 27, TOWNSHIP 19 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF STATE HWY 529 & US HWY 62/180, GO SOUTHWESTERLY ON 62/180 APPROX. 4.5 MILES TO A LEASE ROAD; THENCE SOUTHEAST ON LEASE ROAD APPROX. 2 MILES; THENCE NORTH ON LEASE ROAD APPROX. 700 FEET TO A POINT ON THE PROPOSED WELL PAD.

Louis Dreyfus Natural Gas Corp.

REF: Toro "27" State #4 / Well Pad Topo

THE TORO "27" STATE No. 4 LOCATED 710' FROM THE NORTH LINE AND 1980' FROM THE WEST LINE OF SECTION 27, TOWNSHIP 19 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786—HOBBS, NEW MEXICO

W.O. Number: 0494

Drawn By: **K. GOAD**

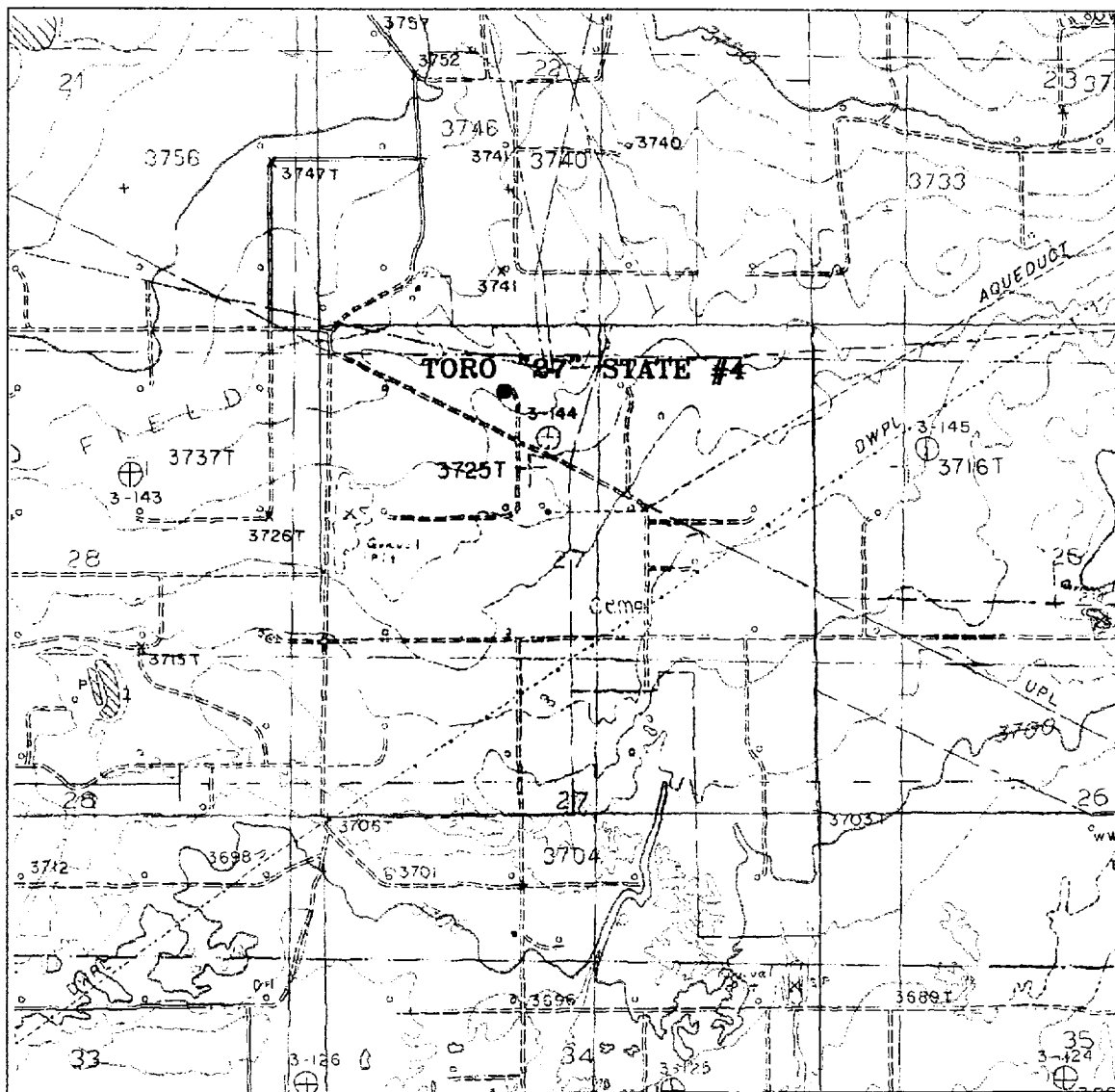
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Survey Date: 10-12-2000

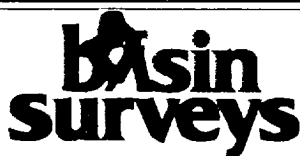
Sheet 1 of 1 Sheets





TORO "27" STATE #4

Located at 710' FNL and 1980' FWL
 Section 27, Township 19 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



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: 0494AA - KJG #122

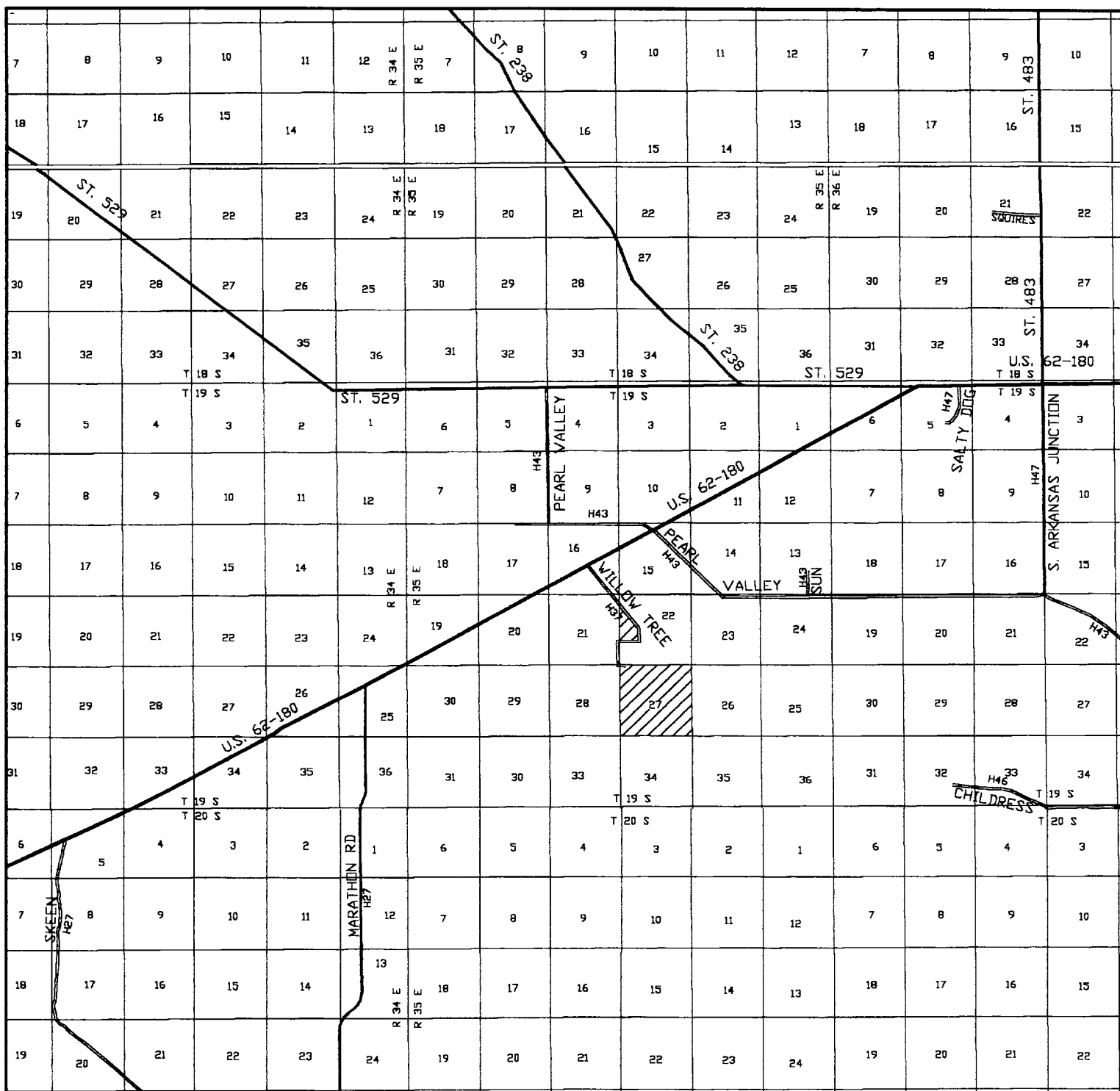
Survey Date: 10-12-2000

Scale: 1" = 2000'

Date: 10-17-2000

**LOUIS DREYFUS
 NATURAL GAS
 CORPORATION**





TORO "27" STATE #4

Located at 710' FNL and 1980' FWL

Section 27, Township 19 South, Range 35 East,
N.M.P.M., Lea County, New Mexico.

basin
surveys

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basinsurveys.com

W.O. Number: 0494AA - KJG #122

Survey Date: 10-12-2000

Scale: 1" = 2 miles

Date: 10-17-2000

LOUIS DREYFUS
NATURAL GAS
CORPORATION

