

DATE IN 3/15/02	SURPENSE 4/4/02	ENGINEER MS	LOGGED IN W	TYPE NSL	APP NO. 207456942
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

MAR 15 2002

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Joe W. Hammond
 Print or Type Name

Joe W. Hammond
 Signature

Staff Landman
 Title

2-26-02
 Date

Joe - W - Hammond@dom.com
 e-mail Address

February 25, 2002

Mr. Michael Stogner
New Mexico Oil Conservation Division
~~2040 South Pacheco~~
Santa Fe, New Mexico 87508

Certified Mail
Return Receipt Requested

Re: Application for Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1038' FWL
Eddy County, New Mexico

Dear Mr. Stogner:

Dominion Oklahoma Texas Exploration & Production, Inc. (Dominion), successor by merger with Louis Dreyfus Natural Gas Corp., respectfully requests administrative approval for an unorthodox Upper Penn oil well, the Geronimo "34" State #1Y. The well is located on State of New Mexico Lease #647, 1700' FNL and 1028' FWL of Section 34, Township 17 South, Range 28 East, Eddy County, New Mexico. The well was originally drilled to and produced from the Morrow formation.

This well does not comply with existing well spacing and location rules for oil wells. Division Rule 104 requires the well location for oil wells on 40-acre spacing to be 330 feet from the quarter-quarter section. The well is non-standard by 48 feet.

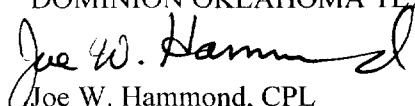
Please find enclosed our Forms C-101, C-102, land plat, geological exhibit and a notification list of offset operators and/or owners including letters of waiver. Notification to the offset operators and/or owners will be made by certified mail including a copy of this application letter with all attachments.

Dominion respectfully requests that this unorthodox location be administratively approved if no objections are received within the cited twenty (20) days as required by OCD regulations, or earlier if waivers are received.

Please call me at (405) 749-5279 if you need further information.

Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.



Joe W. Hammond, CPL
Staff Landman

JWH:rec
Encls.

DISTRICT I
1625 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 30-015-31293	Pool Code	Pool Name Wildcat Upper Penn
Property Code 26001	Property Name GERONIMO "34" STATE	Well Number 1 Y
OGRID No. 025773	Operator Name LOUIS DREYFUS NATURAL GAS CORPORATION	Elevation 3673'

Surface Location

UL or lot No. E	Section 34	Township 17 S	Range 28 E	Lot Idn	Feet from the 1700	North/South line NORTH	Feet from the 1038 1020	East/West line WEST	County EDDY
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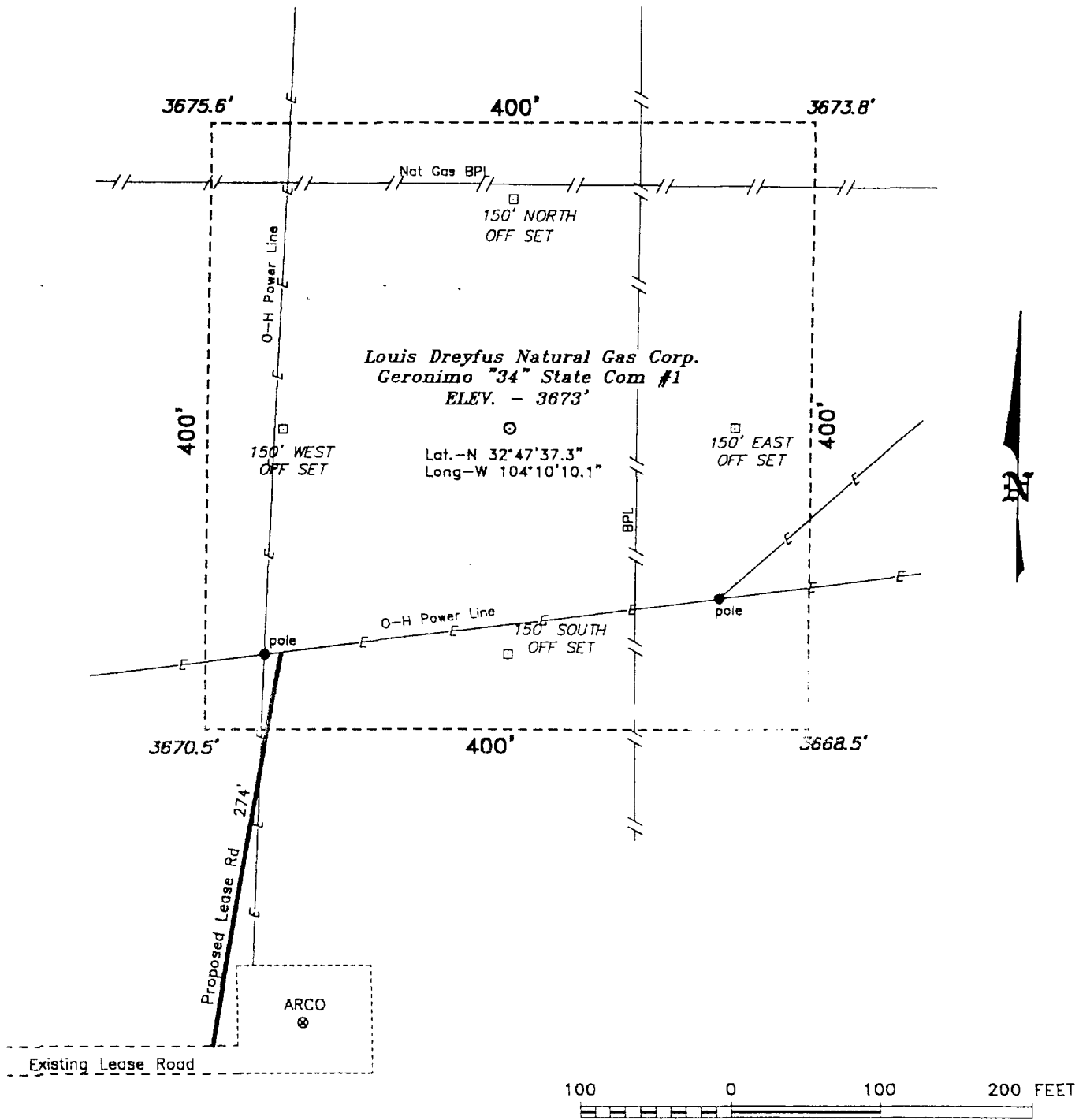
Bottom Hole Location If Different From Surface

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Gene Simer</i> Signature</p> <p>Gene Simer Printed Name</p> <p>Dist. Ops. Mgr. Title</p> <p>05-31-00 Date</p> <p>SURVEYOR CERTIFICATION</p> <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>May 19, 2000 Date Surveyed</p> <p><i>GARY L. JONES</i> Signature & Seal of Professional Surveyor</p> <p>W.O. No. 0280 Certificate No. 7977 PROFESSIONAL LAND SURVEYOR BLAKE SURVEYS</p>
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SECTION 34, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF US HWY 82 AND STATE
HWY 360, GO SOUTH ON HWY 360 APPROX. 1400
FEET TO A POINT WHICH LIES APPROX. 1000 FEET
EAST OF THE PROPOSED WELL LOCATION.

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

W.O. Number: 0282 Drawn By: K. GOAD

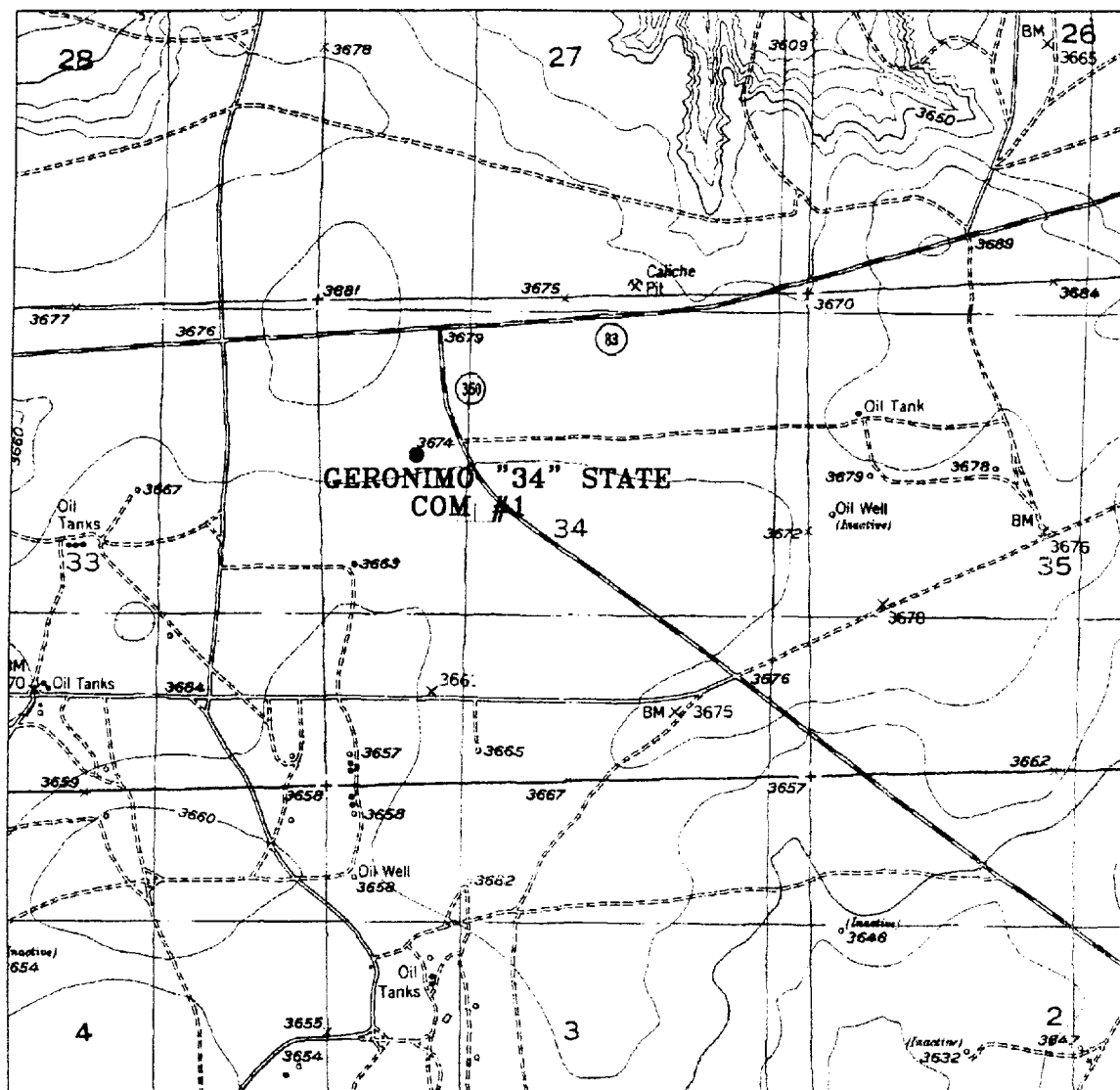
Date: 05-30-2000 Disk: KJG #122 - 0282A.DWG

Louis Dreyfus Natural Gas Corp.

REF: Geronimo "34" State Com #1 / Well Pad Topo

THE GERONIMO "34" STATE COM No. 1 LOCATED 1700' FROM
THE NORTH LINE AND 1020' FROM THE WEST LINE OF
SECTION 34, TOWNSHIP 17 SOUTH, RANGE 28 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 05-19-2000 Sheet 1 of 1 Sheets



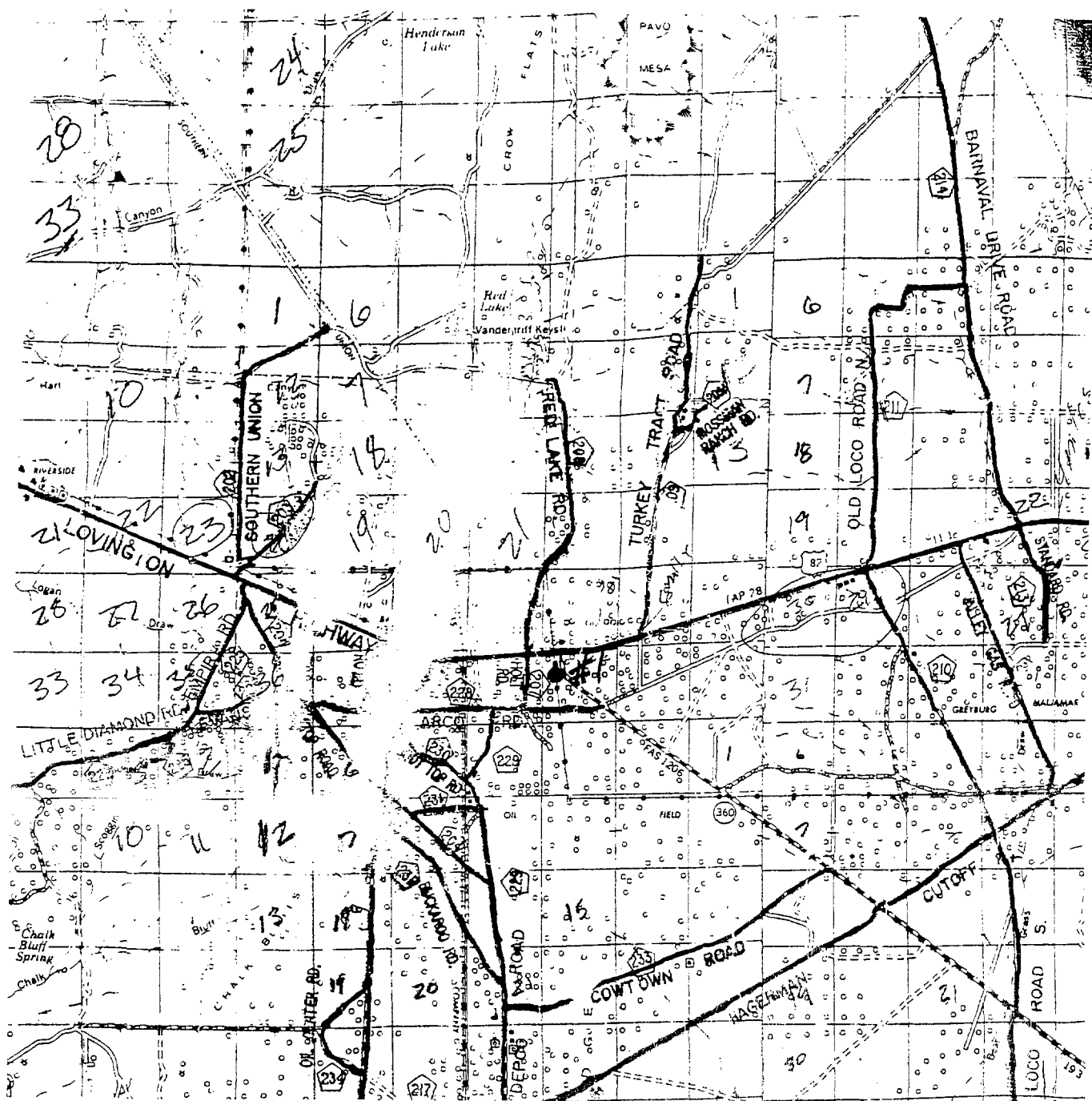
GERONIMO "34" STATE COM #1
 Located at 1700' FNL and 1020' FWL
 Section 34, Township 17 South, Range 28 East,
 N.M.P.M., Eddy County, New Mexico.

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: 0282AA - KJG #122
 Survey Date: 05-19-2000
 Scale: 1" = 2000'
 Date: 05-30-2000

LOUIS DREYFUS
NATURAL GAS
CORPORATION



GERONIMO "34" STATE COM #1
 Located at 1700' FNL and 1020' FWL
 Section 34, Township 17 South, Range 28 East,
 N.M.P.M., Eddy County, New Mexico.

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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: 0282AA - KJG #122

Survey Date: 05-19-2000

Scale: 1" = 2 miles

Date: 05-30-2000

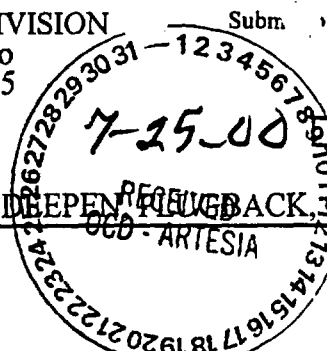
LOUIS DREYFUS
 NATURAL GAS
 CORPORATION

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Revised October 18, 1994

Instructions on back
Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies



AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, 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
⁴ Property Code 26001	⁵ Property Name Geronimo "34" State Com	³ API Number 30-015-31293
		⁶ Well No. 1-Y

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
E	34	17S	28E		1700	North	1038	West	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 Empire; Penn	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 3673'
¹⁶ Multiple N	¹⁷ Proposed Depth 10,900'	¹⁸ Formation Morrow	¹⁹ Contractor Patterson	²⁰ Spud Date

Minimum WOC time 8 hrs. ²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Amount of Cement	Estimated TOC
17 1/2"	13 3/8"	54.5#	425'	450 sks	Surface
12 1/4"	9 5/8"	36#	2,700'	900 sks	Surface
8 3/4"	5 1/2"	17#	10,900'	2500 sks	Tie back to 9 5/8"

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 425'. Run 13 3/8" csg. and cement to surface w/450 sks. cement.
2. Drill 12 1/4" hole to \pm 2,700'. Set 9 5/8" csg. and cement to surface w/900 sks cement.
3. Drill 8 3/4" hole to \pm 10,900'. Run 5 1/2" csg. and cement to 9 5/8" w/2500 sks cement.

See attached "Exhibit 6" for BOP assembly.

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: 7-24-00

Phone: (405) 749-5263

OIL CONSERVATION DIVISION

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

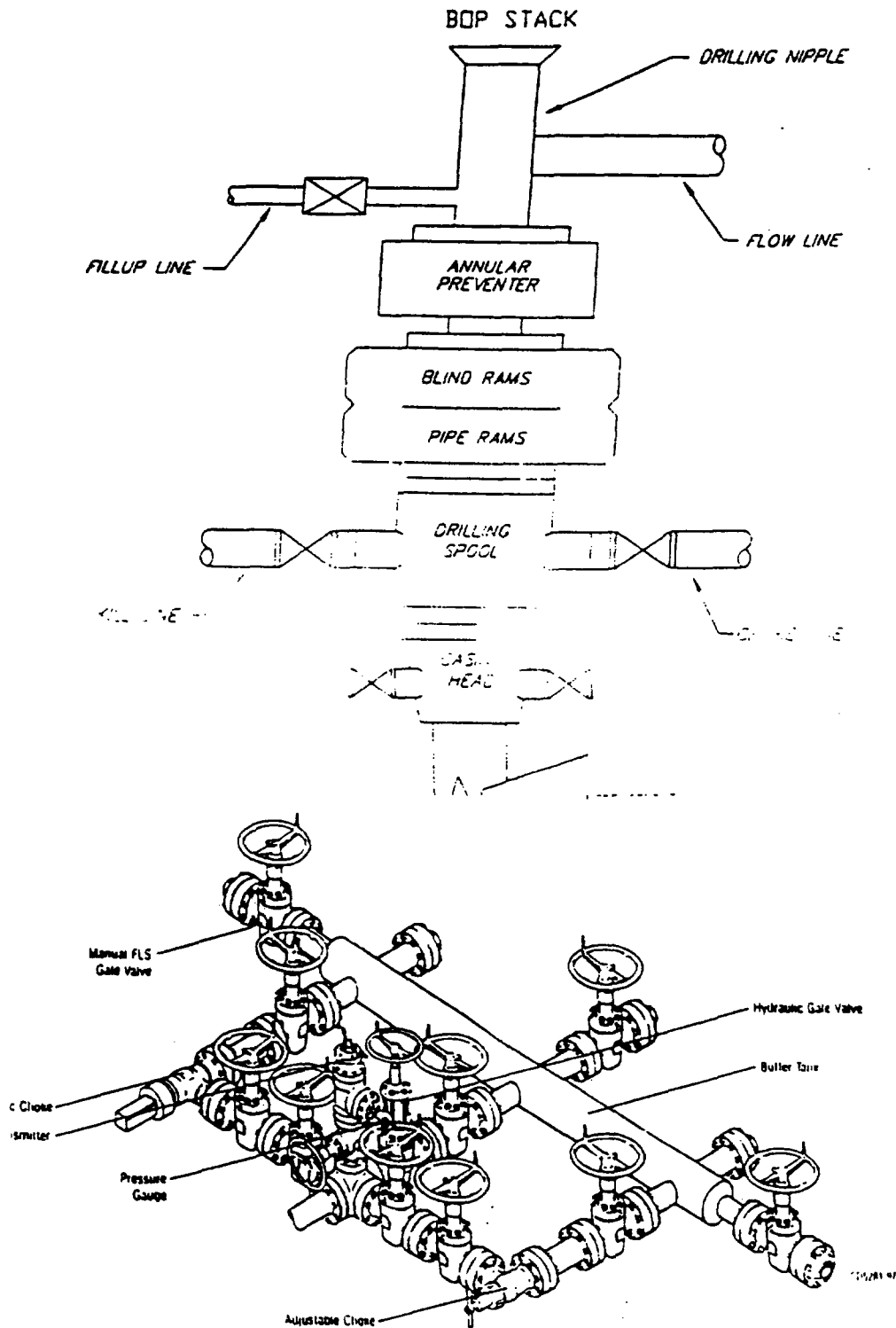
Title:

Approval Date: 7-25-00 Expiration Date: 7-25-01

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

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505RECEIVED
OCD - ARTESIA

Form C-103

Revised March 25, 1999

WELL API NO.

30-015-31293

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-7116, E-949, B-2071, 647

7. Lease Name or Unit Agreement Name:

Geronimo 34 State Com

8. Well No.

1Y

9. Pool name or Wildcat

Empire, Penn

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

Louis Dreyfus Natural Gas Corp.

3. Address of Operator

14000 Quail Springs Parkway - Suite 600 - Oklahoma City, OK 73134

4. Well Location

Unit letter E 1700' feet from the North line and 1038' feet from the West line.Section 34 Township 17S Range 28E NMPM Eddy County10. Elevation (Show whether DR, RKB, RT, Gr, etc.)
3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐OTHER: ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE
COMPLETION ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING TEST AND CEMENT JOB ☐OTHER: Set CIBP & perf new zone. ☒ALTERING CASING ☐PLUG AND
ABANDONMENT ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/27/01 Set CIBP @ 10,294 and perf'd new morrow peris from 10,172 - 10,184.

10/01/01 Field personsei requesting verbal approval to dump bail 35' of cement on CIBP @ 10,294 and set another one at 10,100 w/35' of cement and to perf the well from 8,370 - 8,390.

CISCO

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 10/01/01Type or print name Carla ChristianTelephone No. 405-749-5263

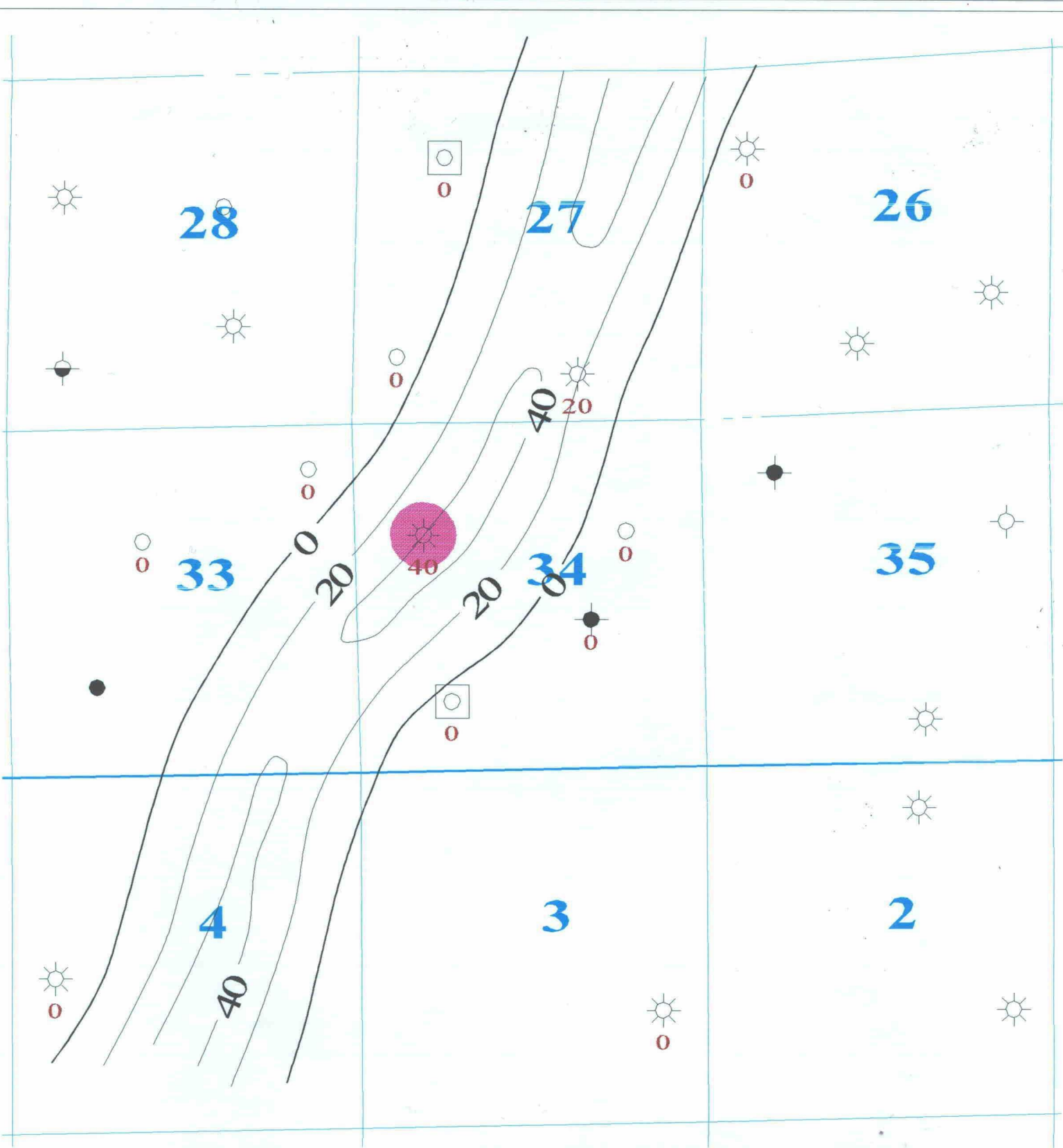
(This space for State use)

APPROVED BY [Signature] TITLE DISTRICT II SUPERVISOR DATE 10/01/01

Conditions of approval, if any:

NSC for oil well

[illegible]




LEGEND

 WOLFCAMP PROD



Wells=9000' and deeper

SUBJECT WELL SEC 34-17S-28E

 DOMINION E&P		
ISOPACH WOLFCAMP (GERONIMO 34 #1 PAY) NET POROS Eddy Co., New Mexico		
Geo. D. Shapley	C.I = 10'	2/22/02
Tech. S. Swart	Scale 1:24000.	File 34-17,28

**NOTIFICATION LIST OF OFFSET
OPERATORS/LEASEHOLD OWNERS**

Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1028' FWL
Eddy County, New Mexico

1. Marbob Energy Corporation
324 W. Main, Suite 103
Artesia, New Mexico 88211
2. BP - Arco
P.O. Box 4587
Houston, Texas 77219-4587
3. Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
4. Occidental Permian Limited Partnership
P.O. Box 50250
Midland, Texas 79710
5. The Moore Trust
310 West Wall Street, Suite 404
Midland, Texas 79701

February 25, 2002

Mr. Robert Bullock
Yates Petroleum Corporation
105 South Fourth St.
Artesia, New Mexico 88210

Re: Offset Operator/Leasehold Notification
Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1028' FWL
Eddy County, New Mexico

Dear Robert:

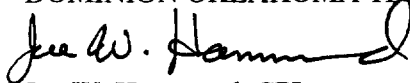
Dominion Oklahoma Texas Exploration & Production, Inc. (Dominion), successor by merger with Louis Dreyfus Natural Gas Corp., has been advised by the Artesia office of the Oil Conservation Division that the Geronimo "34" State Com #1Y is located at an unorthodox location which is described above. This location does not comply with existing well spacing and location rules for oil wells. Division Rule 104 requires the well location for oil wells on 40-acre spacing to be 330 feet from the quarter-quarter section.

If you have no objections to this unorthodox location please signify your approval by signing one copy of this letter in the space provided below and returning same to the undersigned. Any objection must be filed in writing with the New Mexico Oil Conservation Division within twenty (20) days from the date of this notice.

The undersigned hereby waives any objection to the unorthodox location of Dominion's Geronimo "34" State Com #1Y well.

Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.



Joe W. Hammond, CPL
Staff Landman

Yates Petroleum Corporation

Name: _____

Title: _____

Date: _____

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



Phone: 405 749-5279; Land Fax: 405 749-6662

February 25, 2002

Mr. Richard L. Moore
The Moore Trust
310 West Wall St., Suite 404
Midland, Texas 79701

Re: Offset Operator/Leasehold Notification
Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1028' FWL
Eddy County, New Mexico

Dear Mr. Moore:

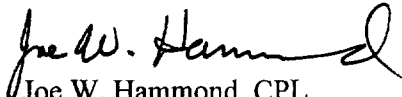
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Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.


Joe W. Hammond, CPL
Staff Landman

The Moore Trust

Name: _____
Title: _____
Date: _____

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



Phone: 405 749-5279; Land Fax: 405 749-6662

February 25, 2002

Ms. Carolyn Sebastian
Occidental Permian Limited Partnership
P.O. Box 50250
Midland, Texas 79710

Re: Offset Operator/Leasehold Notification
Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1028' FWL
Eddy County, New Mexico

Dear Carolyn:


Dominion Oklahoma Texas Exploration & Production, Inc. (Dominion), successor by merger with Louis Dreyfus Natural Gas Corp., has been advised by the Artesia office of the Oil Conservation Division that the Geronimo "34" State Com #1Y is located at an unorthodox location which is described above. This location does not comply with existing well spacing and location rules for oil wells. Division Rule 104 requires the well location for oil wells on 40-acre spacing to be 330 feet from the quarter-quarter section.

If you have no objections to this unorthodox location please signify your approval by signing one copy of this letter in the space provided below and returning same to the undersigned. Any objection must be filed in writing with the New Mexico Oil Conservation Division within twenty (20) days from the date of this notice.

The undersigned hereby waives any objection to the unorthodox location of Dominion's Geronimo "34" State Com #1Y well.

Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.


Joe W. Hammond, CPL
Staff Landman

Occidental Permian Limited Partnership

Name: _____
Title: _____
Date: _____

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



Phone: 405 749-5279; Land Fax: 405 749-6662

February 25, 2002

Mr. Raye Miller
Marbob Energy Corporation
324 W. Main, Suite 103
Artesia, New Mexico 88211

Re: Offset Operator/Leasehold Notification
Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1028' FWL
Eddy County, New Mexico

Dear Raye:

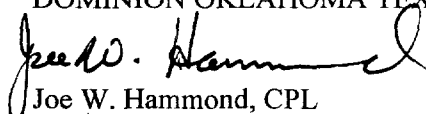
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The undersigned hereby waives any objection to the unorthodox location of Dominion's Geronimo "34" State Com #1Y well.

Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.


Joe W. Hammond, CPL
Staff Landman

Marbob Energy Corporation

Name: _____
Title: _____
Date: _____

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



Phone: 405 749-5279; Land Fax: 405 749-6662

February 25, 2002

Mr. Lee Scarborough
BP-Arco
P. O. Box 4587
Houston, Texas 77219-4587

Re: Offset Operator/Leasehold Notification
Unorthodox Location
Geronimo "34" State Com #1Y
Township 17 South, Range 28 East
Section 34: 1700' FNL & 1028' FWL
Eddy County, New Mexico

Dear Lee:

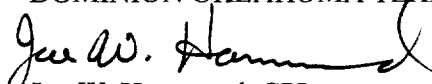
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Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.


Joe W. Hammond, CPL
Staff Landman

BP-Arco

Name: _____
Title: _____
Date: _____

CMD : ONGARD 04/02/02 08:19:
 OG5SECT INQUIRE LAND BY SECTION OGOMES -TQ
 PAGE NO:

Sec : 34 Twp : 17S Rng : 28E Section Type : NORMAL

D 40.00 CS E00949 0001 AMOCO PRODUCTION C U 08/10/56 A	C 40.00 CS E07116 0001 OCCIDENTAL PERMIA C U 05/11/63 A A	B 40.00 CS E07116 0001 OCCIDENTAL PERMIA C U 05/11/63 A A A	A 40.00 CS E07832 0001 OCCIDENTAL PERM C U 02/16/6 A A A A A
E 40.00 CS X00647 0364 OCCIDENTAL PERMIA C U 11/14/32 A A A A A A	F 40.00 CS X00647 0371 BETTY JANE MOORE C U 11/14/32 A A A A A	G 40.00 CS E07116 0001 OCCIDENTAL PERMIA C U 05/11/63 A A A A A A	H 40.00 CS B02071 0025 BETTY JANE MOOR C U 08/10/4 A A A A A

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
 PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION04/02/02 08:27:
OGOMES -TQ
PAGE NO:

Sec : 34 Twp : 17S Rng : 28E Section Type : NORMAL

L 40.00 CS B02071 0026 OCCIDENTAL PERMIA C U 08/10/43 A A A A A	K 40.00 CS B02071 0026 OCCIDENTAL PERMIA C U 08/10/43 A A A A A	J 40.00 CS X00647 0394 DOMINION OKLAHOMA C U U 11/14/32 A A A A A A	I 40.00 CS X00647 0394 DOMINION OKLAHO C U U 11/14/3 A A A A
M 40.00 CS B02071 0026 OCCIDENTAL PERMIA C U 08/10/43 A A P	N 40.00 CS B02071 0026 OCCIDENTAL PERMIA C U 08/10/43 A A A A A	O 40.00 CS B11538 0014 CONOCO INC & FINA C U U 10/10/54 A	P 40.00 CS B11538 0014 CONOCO INC & FI C U U 10/10/5 A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

Stogner, Michael

From: Arrant, Bryan
Sent: Thursday, February 21, 2002 2:16 PM
To: Stogner, Michael; Gum, Tim
Subject: Well Producing w/o an approved NSL

February 21, 2002

Dominion Exploration & Production
(formally Louis Dreyfus Natural Gas Corporation)
140000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
Attn: To Whom It May Concern

RE:

**Dominion Exploration & Production's Geronimo '34' State Com. Well No. 1Y.
Located in Unit E, 1700 feet from the North line and 1038 feet from the West line of Section 34,
Township 17 South, Range 28 East, Eddy County, NM, NMPM.**

Dear Sirs/Madams,

In reference to the above captioned well, a field inspection on 2/20/2002 reveled that said well is producing without an approved Form C-104, "Request for Testing Allowable and Authorization to Transport".

This well is considered non-standard for an oil well according to Division Rule 104.B(1). Said well is to be **shut-in immediately** until a NSL approval has been issued in addition to an approved Form C-104 by this district office.

Please call if you have any questions regarding this matter.

Respectfully yours,

Bryan G. Arrant
Petroleum Engineer Specialist

E-mail:

Michael E. Stogner, Engineering/Chief Hearing Officer, Santa Fe
Tim Gum, District Supervisor, Artesia

2/21/2002

COUNTY Eddy

POOL

Empire-Pennsylvanian Gas

320

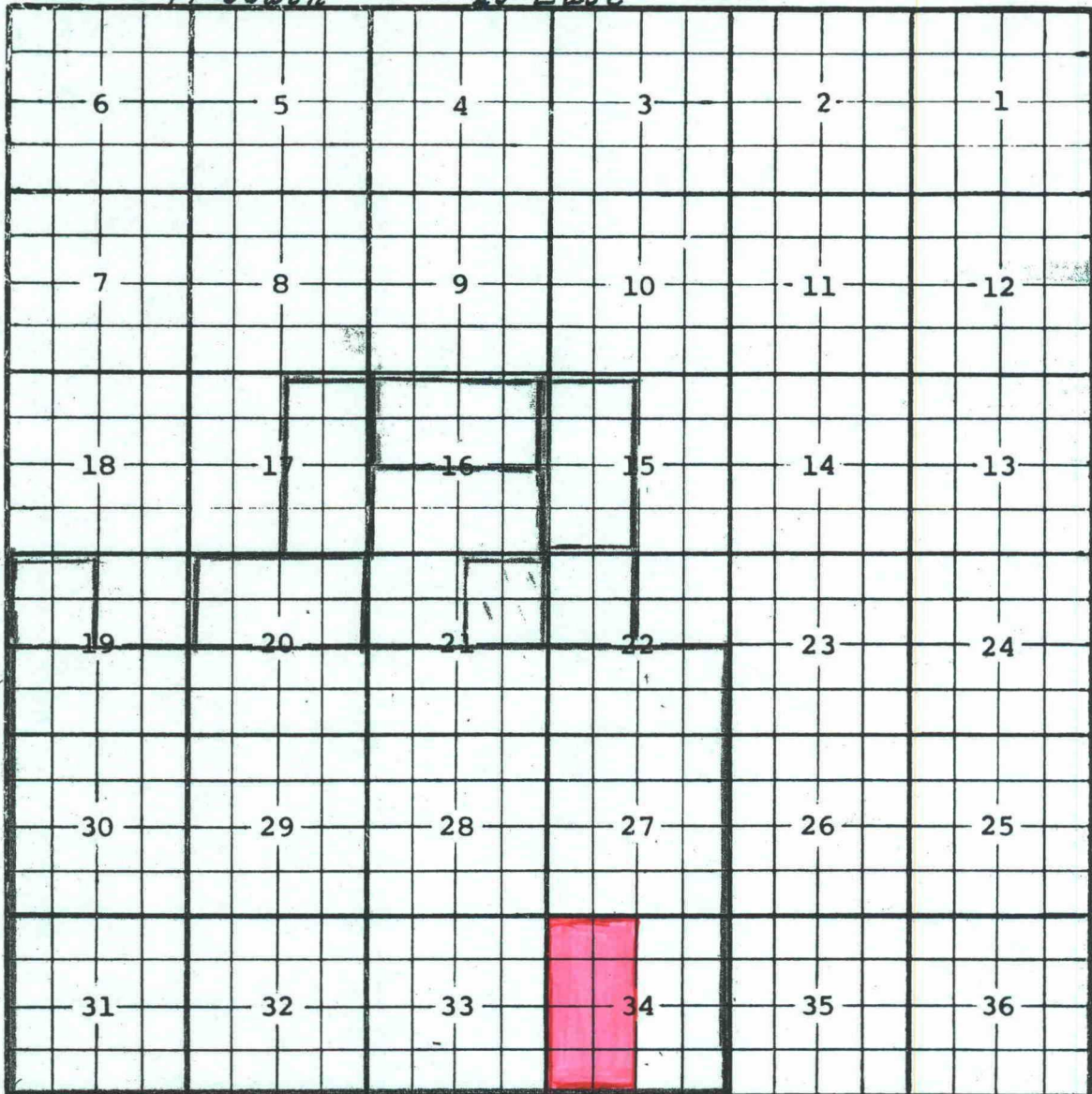
TOWNSHIP

17-South

RANGE

28-East

NMPM



Description: $\frac{1}{2}$ Sec. 19; $\frac{1}{2}$ Sec. 20; $\frac{1}{2}$ Sec. 21; $\frac{1}{2}$ Sec. 22, $\frac{1}{2}$ Secs. 27
thru 34 (R-391, 11-25-53). Special rules rescinded, pool now on
statewide spacing (R-5809, 9-20-78) EXT: $\frac{1}{2}$ sec 20 (R-7009, 6-19-82)
EXT: $\frac{NE}{4}$ Sec. 21 (R-11203, 6-14-89) EXT: $\frac{SE}{2}$ Sec. 16, $\frac{NW}{4}$ Sec. 21 (R-11256, 10-14-89)
EXT: $\frac{1}{2}$ Sec. 16 (R-11323, 2-10-00) EXT: $\frac{W}{2}$ Sec. 15 (R-11444, 8-31-00)
EXT: $\frac{NW}{4}$ Sec. 19, $\frac{NW}{4}$ Sec. 22 (R-11544, 3-13-01) EXT: $\frac{E}{2}$ Sec. 17 (R-11706, 1-9-02)

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Subm.

Instructions on back

Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, 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 30-015-31293	4 Well No. 1-Y	

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
E	34	17S	28E		1700	North	1038	West	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 Empire; Penn					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 3673'
16 Multiple N	17 Proposed Depth 10,900'	18 Formation Morrow	19 Contractor Patterson	20 Spud Date

Minimum WOC time 8 hrs. 21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Amount of Cement	Estimated TOC
17 1/2"	13 3/8"	54.5#	425'	450 sks	Surface
12 1/4"	9 5/8"	36#	2,700'	900 sks	Surface
8 3/4"	5 1/2"	17#	10,900'	2500 sks	Tie back to 9 5/8"

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 425'. Run 13 3/8" csg. and cement to surface w/450 sks. cement.
2. Drill 12 1/4" hole to \pm 2,700'. Set 9 5/8" csg. and cement to surface w/900 sks cement.
3. Drill 8 3/4" hole to \pm 10,900'. Run 5 1/2" csg. and cement to 9 5/8" w/2500 sks cement.

See attached "Exhibit 6" for BOP assembly.

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: 7-24-00

Phone: (405) 749-5263

OIL CONSERVATION DIVISION

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

Title:

Approval Date: 7-25-00

Expiration Date: 7-25-01

Conditions of Approval:

Attached ☐

DISTRICT I
1625 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
		Empire; Penn
Property Code	Property Name	Well Number
	GERONIMO "34" STATE COM	1Y
OGRID No.	Operator Name	Elevation
025773	LOUIS DREYFUS NATURAL GAS CORPORATION	3673'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	17 S	28 E		1700	NORTH	1038	WEST	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	C							

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

State Lease E-949	State Lease E-7116				
State Lease 647	State Lease B-2071				

1700'

3675.6'

3673.8'

1038'

1038'

3670.5'

3668.5'

Lat.: N32°47'37.3"

Long.: W104°10'10.1"

OPERATOR CERTIFICATION

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

Gene Simer

Signature

Gene Simer

Printed Name

Dist. Ops. Mgr.

Title

7-24-00

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.

May 19, 2000

Date Surveyed

Signature of Surveyor

Professional Surveyor

W.O. No. 0282

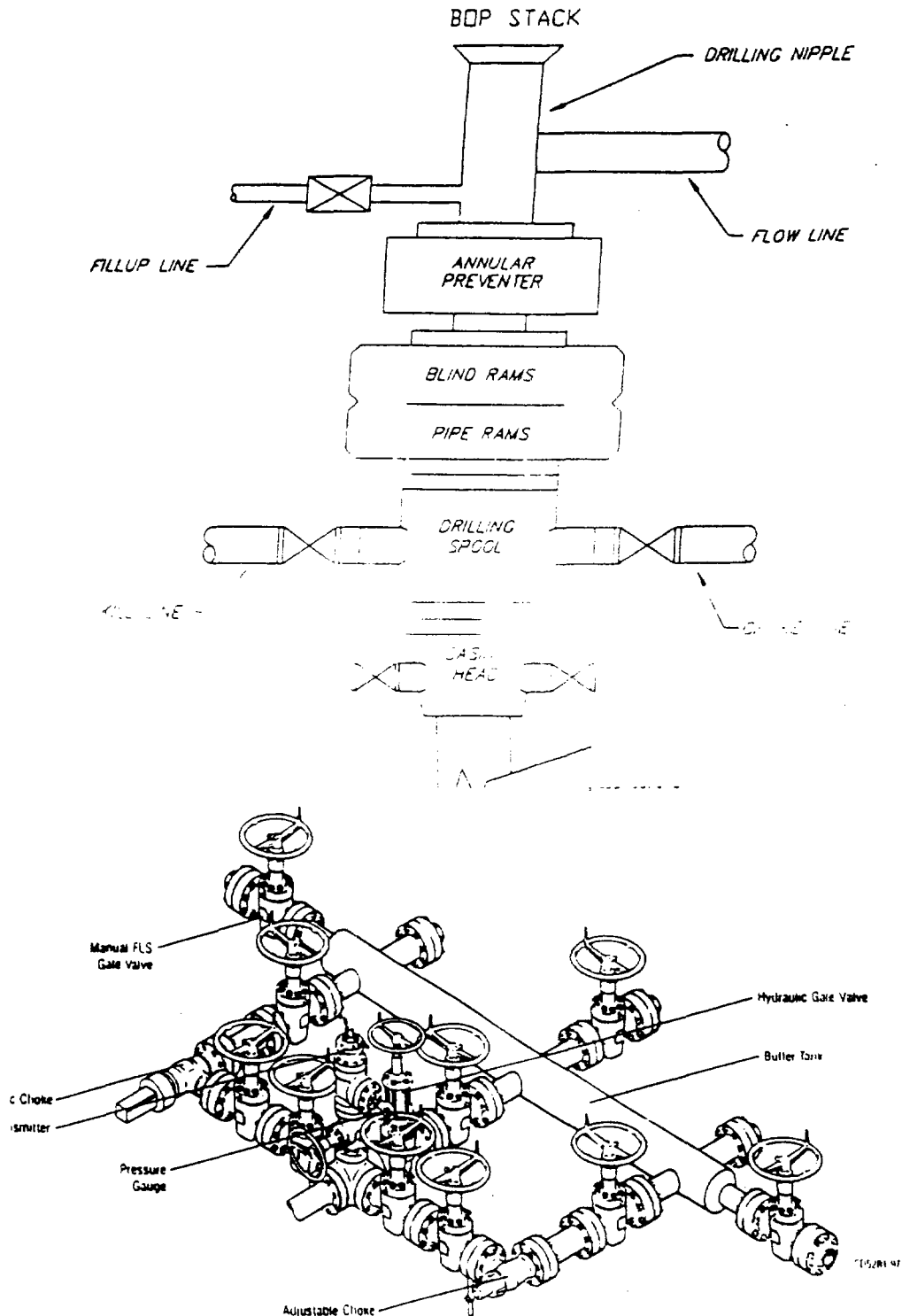
Certificate No. 647

7977

BASIN SURVEYS

Exhibit 6

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



Typical Choke Manifold Designed for Land Drilling Applications

Submit 3 Copies To Appropriate
District Office
DISTRICT I
1625 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 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

51"
Form C-103
Revised March 25, 1999

WELL API NO.
30-015-31172 **31293**

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-949, E-7116, 647, B-2071

Lease Name or Unit Agreement Name:

Arnonimo "34" State Com

8. Well No. 1Y

9. Pool name or Wildcat
Empire; Penn

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator
Louis Dreyfus Natural Gas Corporation

3. Address of Operator 14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

4. Well Location
Unit letter E : 1700 feet from the North line and 1038 feet from the West line

Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE
COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND
ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

8-20-00 ran 5 1/2", 17# csg set @ 10,591'. Cemented 1st stage lead w/300 sxs Interfill "H", tail w/650 Super "H". Cemented 2nd stage w/780 sxs 50/50 poz. Plug down at 24:00 float held. Rig released, waiting on completion unit.

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 8/22/00

Type or print name Carla Christian Telephone No. (405) 749-5263

(This space for State use)

APPROVED BY Reed TITLE Please note EST. TOC sub DATE OCT 02 2000

Conditions of approval, if any:

Submit 3 Copies To Appropriate
District Office
DISTRICT I
1625 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 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

5P Form C-103
Revised March 25, 1999

WELL API NO.

30-015-31172

31293

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-949, E-7116, 647, B-2071

7. Lease Name or Unit Agreement Name:

Geronimo "34" State Com

8. Well No. 1Y

9. Pool name or Wildcat

Empire; Penn

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Louis Dreyfus Natural Gas Corporation

3. Address of Operator

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

4. Well Location

Unit letter E : 1700 feet from the North line and 1038 feet from the West line

Section

34

Township 17S

Range 28E

NMPM

Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

7-31-00 ran 9 5/8" csg set @ 2,666'. Cemented lead w/750 sxs "C" neat, tail w/200 sxs premium plus + 2% Cacl, circulated 150 sks to reserve pit. Plug down @ 20:35 hrs, float held. Wait on cement 20 hrs., commenced drilling.

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 8/4/00

Type or print name Carla Christian Telephone No. (405) 749-5263

(This space for State use)

APPROVED BY Jim L. Green TITLE District Supervisor DATE OCT 02 2000

Conditions of approval, if any:

51

Submit 3 Copies To Appropriate
District Office
DISTRICT I
1625 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 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.
30-015-~~31172~~ **31293**

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-949, E-7116, 647, B-2071

7. Lease Name or Unit Agreement Name:
Geronimo "34" State Com

8. Well No. 1Y

9. Pool name or Wildcat
Empire; Penn

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

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Unit letter E : 1700 feet from the North line and 1038 feet from the West line

Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7-25-00 rig skidded and well spudded

7-26-00 ran 13 3/8" 48# csg, set @ 443'. Cemented lead w/100 sks Premium Plus 10 LB/SS cal seal + 2% CaCl, tailed w/200 sks Prem/Plus 2% CaCl, displaced w/64 bbs water, bumped plug @ 20:30. 23 1/2 hrs wait on cement, then commenced drilling.

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 7/28/00

Type or print name Carla Christian Telephone No. (405) 749-5263

(This space for State use)

APPROVED BY [Signature] TITLE District Supervisor DATE OCT 02 2000

Conditions of approval, if any: [Signature]

30-017-21213

SF

Submit in duplicate to appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

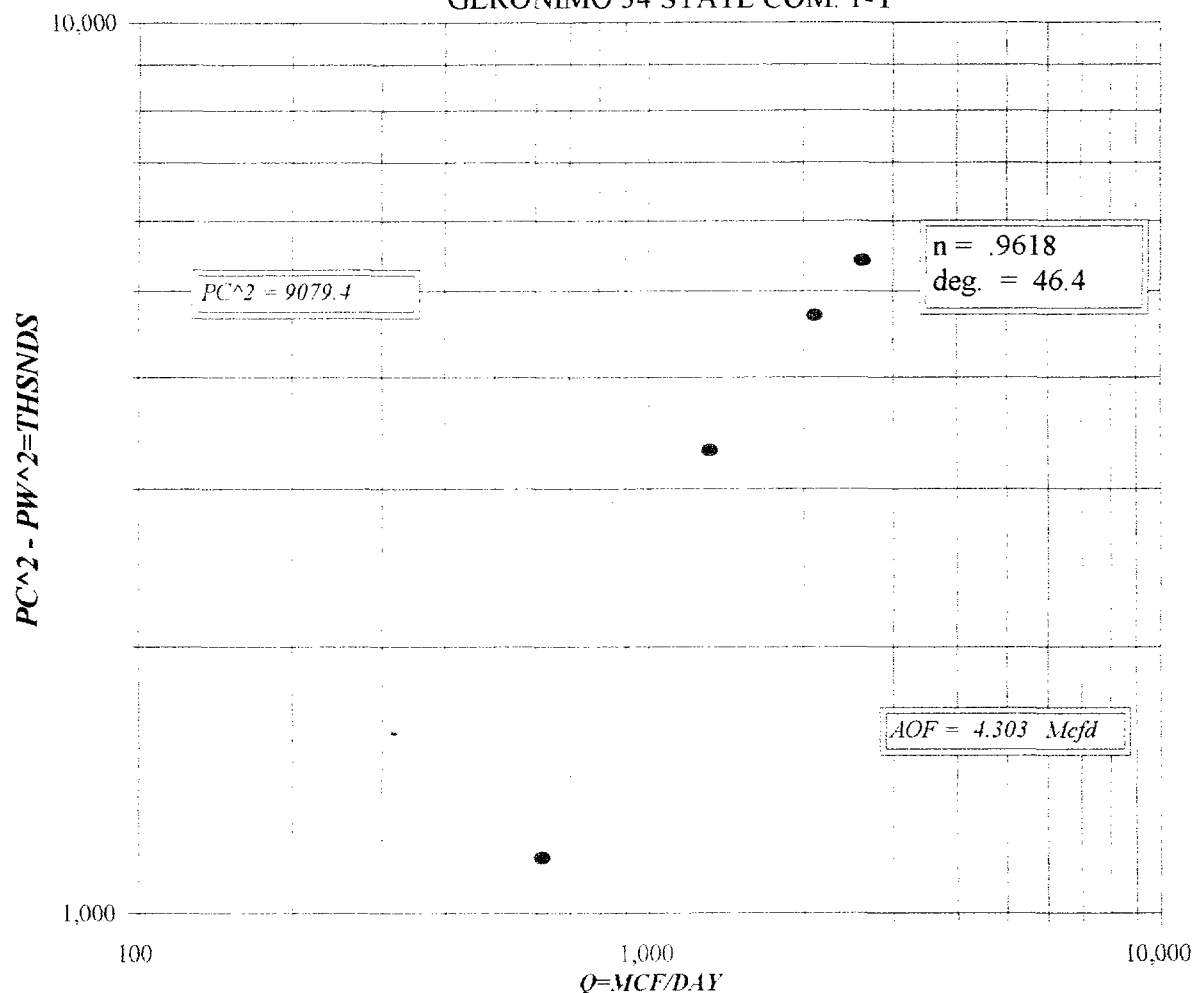
Form C-122
Revised October, 1999



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator LOUIS DREYFUS NATURAL GAS				Lease or Unit Name GERONIMO 34 ST. COM			
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 9/13/00		Well No. 1-Y	
Completion Date 9-23-00		Total Depth 10,600		Plug Back TD 10451		Elevation 3623	
Unit Ltr - Sec - TWP - Rge E 34-17-28		County EDDY		Pool Empire Penn		Formation Penn	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10451	Perforations: From: 10291 To: 10303		Connection AIR	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10130	Perforations: From: To:		Baro. Press.-P _a 13.2	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10172		Connection AIR	
Producing Thru TUBING		Reservoir Temp.-°F 176.2		Mean Annual Temp.-°F 60		Baro. Press.-P _a 13.2	
L 10215	H 10215	Gg 0.679	%CO ₂ 0.505	%N ₂ 0.402	%H ₂ S N/A	Prover N/A	Meter Run 4.026
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						3000	N/A
1	4.026 X 2.000		290	2	68	2800	
2	4.026 X 2.000		440	6	68	2380	
3	4.026 X 2.000		430	16	70	2050	
4	4.026 X 2.000		360	29	70	1850	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1	19.81	24.6	303.2	0.9924	1.214	1.055	619
2	19.81	52.1	453.2	0.9924	1.214	1.055	1311
3	19.81	84.2	443.2	0.9905	1.214	1.055	2116
4	19.81	104	373.2	0.9905	1.214	1.055	2613
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1	0.78	528	1.38	0.895	A.P. I. Gravity of Liquid Hydrocarbons Deg.		
2	0.78	528	1.38	0.895	Specific Gravity Separator Gas 0.679 XXXXXXXX		
3	0.78	530	1.39	0.898	Specific Gravity Flowing Fluid XXXXXX		
4	0.78	530	1.39	0.898	Critical Pressure 672 P.S.I.A. P.S.I.A.		
5					Critical Temperature 381 R. R.		
P _c 3013.2 P ₂ 9079.4				(1) $P_c^2 = 1.68$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.647$			
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.303$		
1	7914.1	2815.3	7926	1153.4			
2	5727.4	2404	5779.1	3300.3			
3	4256.8	2095.2	4389.8	4689.6			
4	3471.5	1916.9	3674.5	5405.9			
5							
Absolute Open Flow 4.303 Mcfd @ 15.025				Angle of Slope (°) 46.4		Slope n: 0.9618	
Remarks:							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MB		Checked By: BM	

LOUIS DREYFUS NATURAL GAS
GERONIMO 34 STATE COM. 1-Y



Pt2 = 7914.1	Pw = 2815.3 *
5727.4	2404.0 *
4256.8	2095.2 *
3471.5	1916.9 *

Pc2-Pw2= 1153.4	Pw2 = 7926.0 *
3300.3	5779.1 *
4689.6	4389.8 *
5404.9	3674.5 *

$$R = 0.962$$
$$\text{Pc2}/(\text{Pc2}-\text{Pw2}) = \begin{array}{r} 7.872 \\ 2.751 \\ 1.936 \\ 1.680 \end{array}$$

[PC2/PC2-PW2]n =	7.275
	2.647
	1.888
	1.647

AOF= Q	4.503
	3.470
	3.995
	4.303

FORM C122-D



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Louis Dreyfus Natural Gas
Attention: Mr. Gene Simer
P. O. Box 370
Carlsbad, New Mexico 88221

SAMPLE:
IDENTIFICATION: Geronimo 34 St. Com. 1-Y
COMPANY: Louis Dreyfus Natural Gas
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 9/6/00 9:20 am
ANALYSIS DATE: 9/8/00
PRESSURE - PSIG 3100
SAMPLE TEMP. °F
ATMOS. TEMP. °F 86

GAS (XX) LIQUID ()
SAMPLED BY: Rolland Perry
ANALYSIS BY: Rolland Perry

REMARKS: H₂S = 0
Well down.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)	0.000	
Nitrogen (N ₂)	0.402	
Carbon Dioxide (CO ₂)	0.508	
Methane (C ₁)	86.587	
Ethane (C ₂)	6.888	1.838
Propane (C ₃)	2.833	0.724
I-Butane (IC ₄)	0.351	0.115
N-Butane (NC ₄)	0.728	0.229
I-Pentane (IC ₅)	0.278	0.101
N-Pentane (NC ₅)	0.262	0.095
Hexane Plus (C ₆ +) <u>1.386</u>		<u>0.602</u>
	100.000	3.704

BTU/CU.FT. - DRY 1186
AT 14.650 DRY 1182
AT 14.650 WET 1161
AT 14.73 DRY 1188
AT 14.73 WET 1167

MOLECULAR WT. 19.7512

SPECIFIC GRAVITY -
CALCULATED 0.679
MEASURED

Submit To Appropriate District Office

State Lease - 6 copies

Fee Lease - 5 copies

District I

1625 N. French Dr., Hobbs, NM 87240

District II

811 South First, Artesia, NM 87210

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

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-105

Revised March 25, 1999

WELL API NO.

30-015-31293

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

E-949, E-7116, 647, B-2071

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Lease Name or Unit Agreement Name

Geronimo "34" State Com

2. Name of Operator

Louis Dreyfus Natural Gas Corporation

8. Well No.

1Y

3. Address of Operator 14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

9. Pool name or Wildcat

Empire; Penn

4. Well Location

Unit Letter E 1700 Feet From The North Line and 1038 Feet From The West Line

Section 34 Township 17S Range 28E NMPM Eddy County

10. Date Spudded

7-25-00

11. Date T.D. Reached

8-18-00

12. Date Compl. (Ready to Prod.)

9-23-00

13. Elevations (DF& RKB, RT, GR, etc.)

3673' GR

14. Elev. Casinghead

15. Total Depth

10,600

16. Plug Back T.D.

10,451

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Yes

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

10,291 - 10,303 Empire;Penn

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run Three Detector LithoDensity Comp. Neutron

Azimuthal Laterolog Micro-CFL/NGT

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	443'	17 1/2"	300 sks	-0-
9 5/8	36#	2666'	12 1/4"	950 sks	-0-
5 1/2	17#	10591'	8 3/4"	1730 sks	-0-

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2.375	10130	

26. Perforation record (interval, size, and number)

10,291 - 10,303 6 SPF

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production 9-23-00	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing		
Date of Test 10-5-00	Hours Tested 24	Choke Size 19/64	Prod'n For Test Period	Oil - Bbl 66	Gas - MCF 3860	Water - Bbl. 0	Gas - Oil Ratio 1:58,485
Flow Tubing Press. 2150	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 66	Gas - MCF 3860	Water - Bbl. 0	Oil Gravity - API - (Corr.) 54.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature Carla Christian Printed Name Carla Christian Title Regulatory Technician Date 10-27-00

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	T. Canyon
T. Salt	T. Strawn 9165
B. Salt	T. Atoka 9771
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo reef 5595	T. L. Atoka 9890
T. Wolfcamp 7005	T. Morrow Clastics
T. Penn	T. 10,158
T. Cisco (Bough C)	T. L. Morrow 10,225
	Chester 10,532

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otztze
Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.

30-015-31293

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-7116, E-949, B-2071, 647

7. Lease Name or Unit Agreement Name:

Geronimo 34 State Com

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

Louis Dreyfus Natural Gas Corp. /

8. Well No.

1Y

3. Address of Operator

14000 Quail Springs Parkway - Suite 600 - Oklahoma City, OK 73134

9. Pool name or Wildcat

Empire; Penn

4. Well Location

Unit letter E 1700' feet from the North line and 1038' feet from the West line.Section 34 Township 17S Range 28E NMPM Eddy County10. Elevation (Show whether DR, RKB, RT, Gr, etc.)
3673'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG ANDCASING TEST AND CEMENT JOB ☐ ABANDONMENT ☐OTHER: Set CIBP & perf new zone. ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/27/01 Set CIBP @ 10,294 and perf'd new morrow perms from 10,172 - 10,184.

10/01/01 Field personsel requesting verbal approval to dump bail 35' of cement on CIBP @ 10,294 and set another one at 10,100 w/35' of cement and to perf the wolcamp from 8,370 - 8,390.

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

SIGNATURE Carla Christian TITLE Regulatory Technician DATE 10/01/01Type or print name Carla ChristianTelephone No. 405-749-5263

(This space for State use)

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT IIDATE OCT 08 2001

Conditions of approval, if any:

NSL for Oil Well