

DATE IN 3/15/02	SUSPENSE 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
- 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 _____

MAR 15 2002

- [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 Joe W. Hammond Staff Landman 2-26-02
 Print or Type Name Signature Title 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.

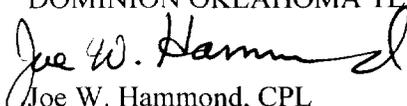
Please find enclosed our Forms C-101, C-102, land plat, geological exhibit and a notification list of offset operators and/or owners including letters of waiver. Notification to the offset operators and/or owners will be made by certified mail including a copy of this application letter with all attachments.

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 87605

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.	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	1020 1038	WEST	EDDY

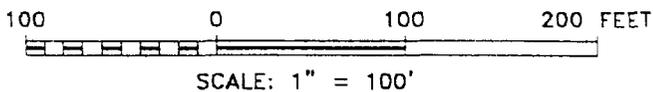
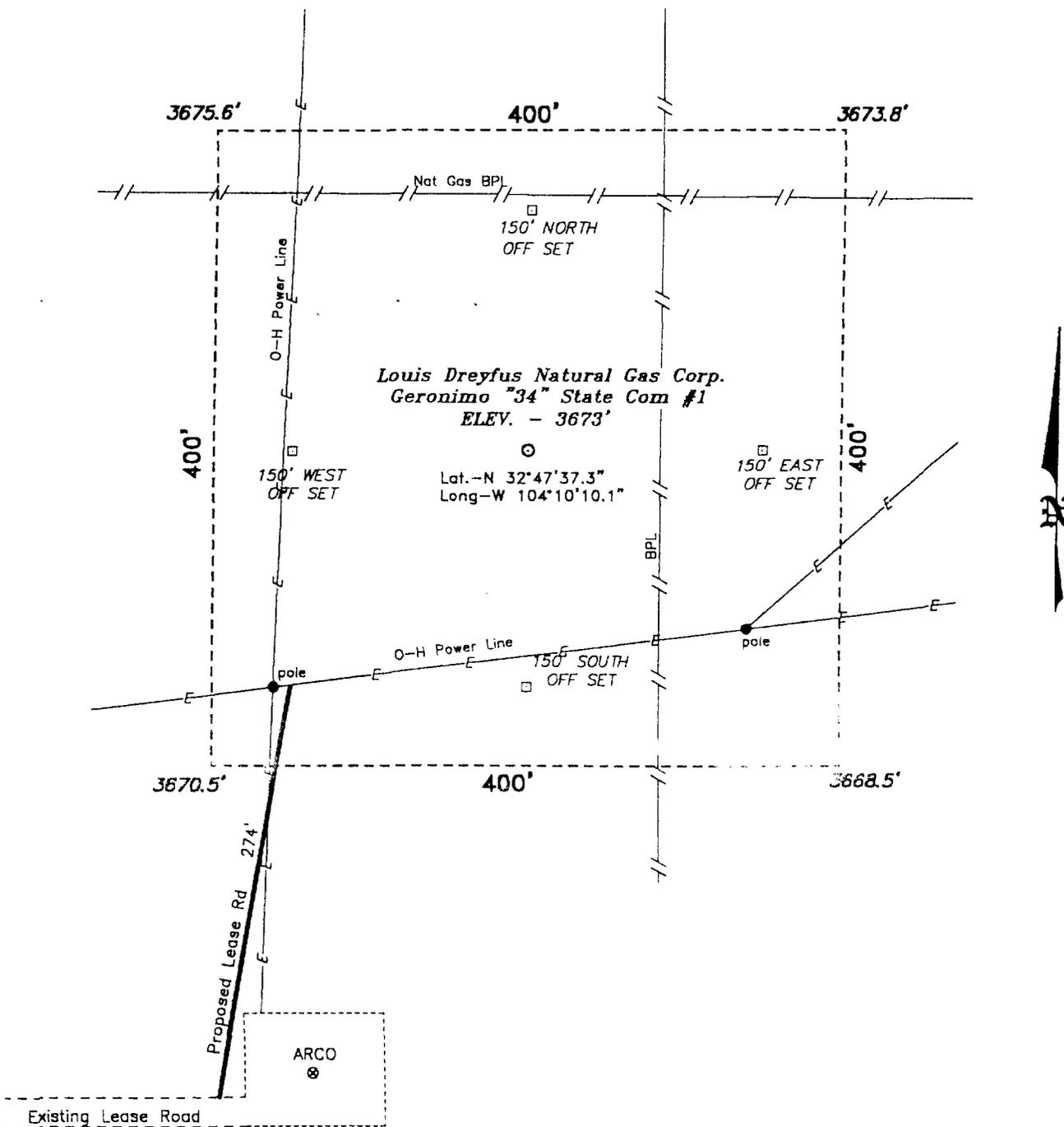
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 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. 0268 Certification No. Gary Jones 7977</p> <p>NEWMEXICO REGISTERED PROFESSIONAL LAND SURVEYOR BOARD OF SURVEYS</p>

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.

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.

Basin Surveys P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 0282

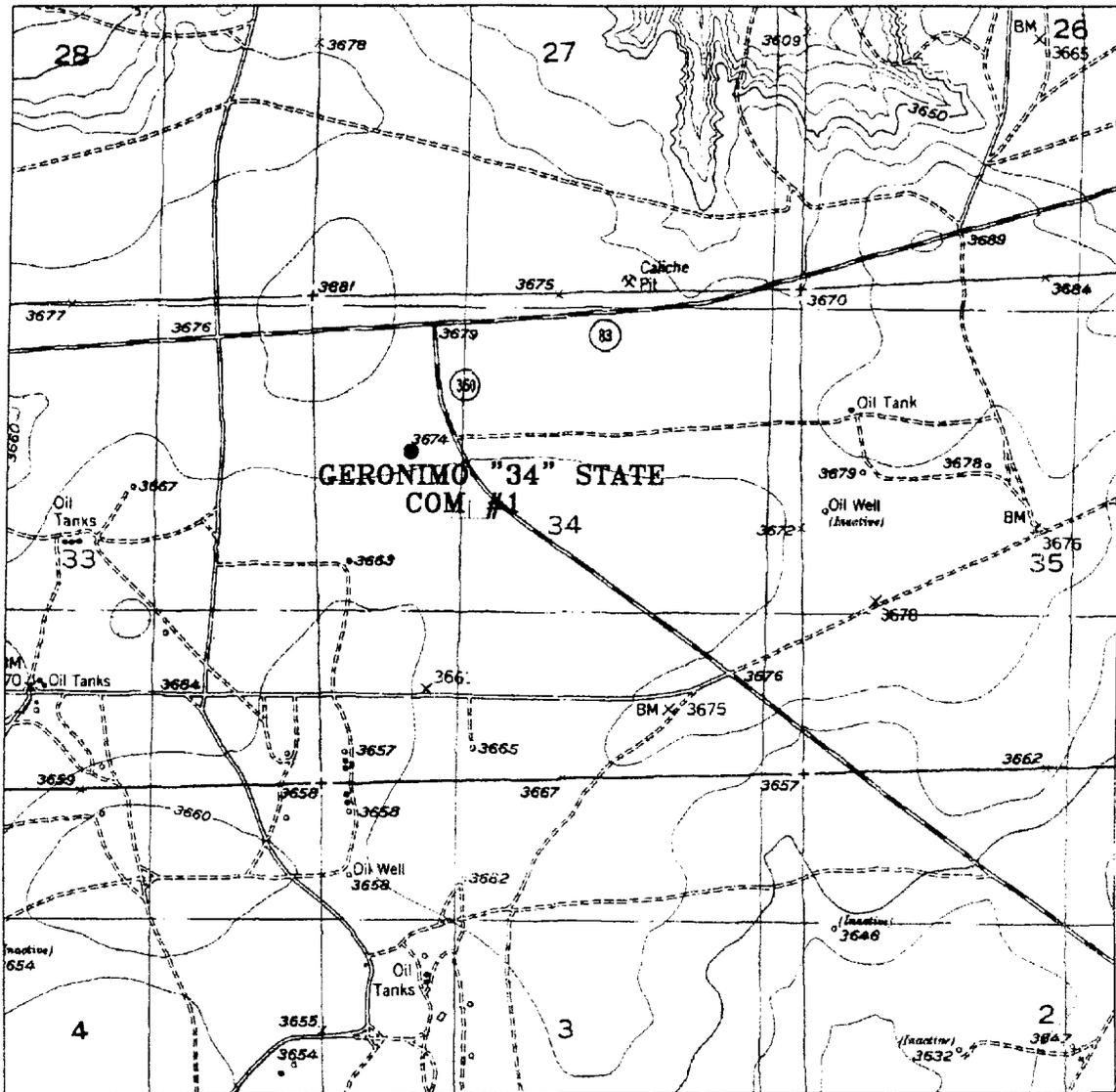
Drawn By: K. GOAD

Date: 05-30-2000

Disk: KJG #122 - 0282A.DWG

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

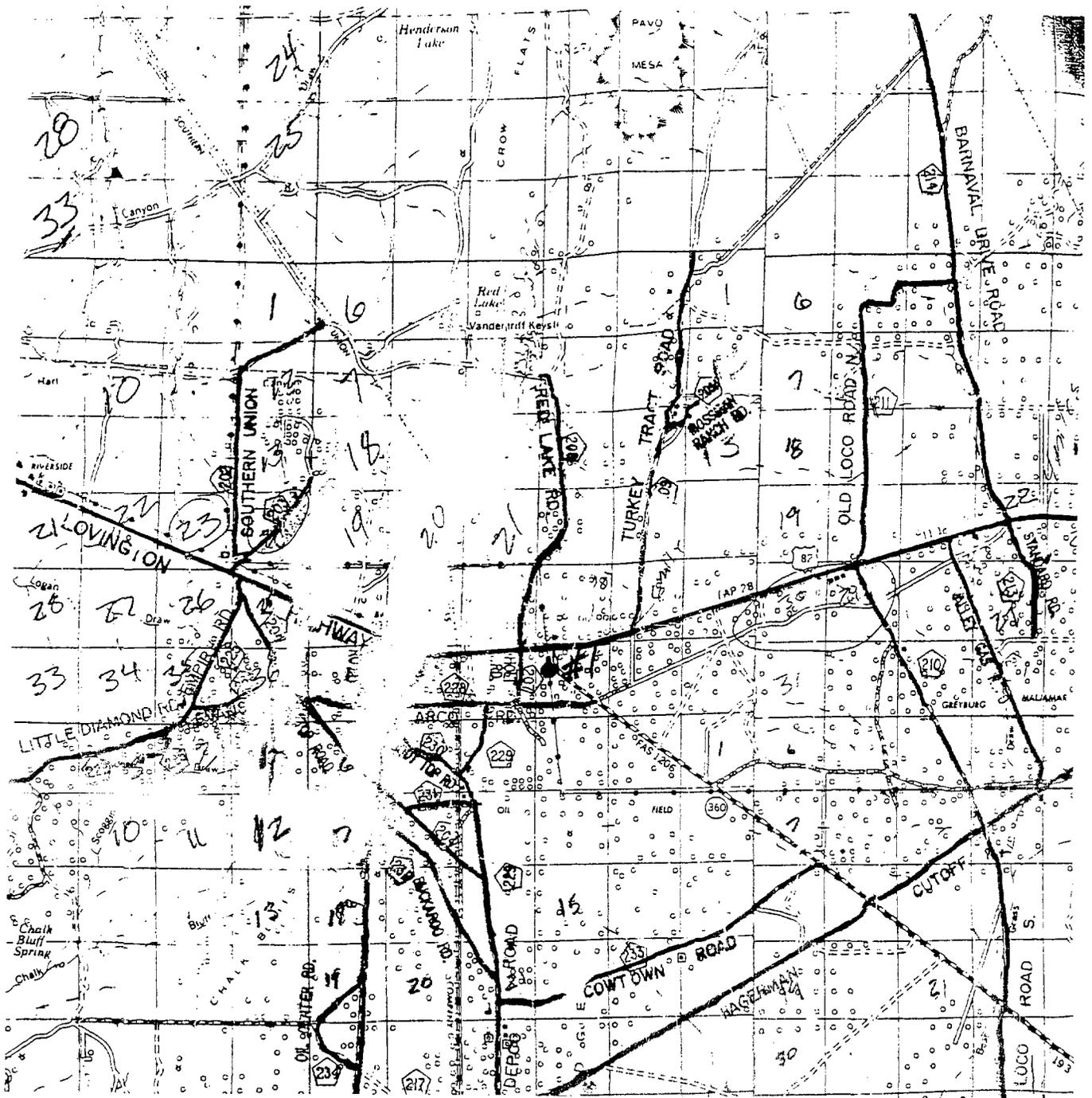
W.O. Number: 0282AA - KJG #122

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.



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" = 2 miles

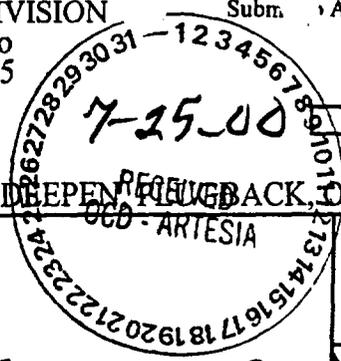
Date: 05-30-2000

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



Subm. 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					¹⁰ Proposed Pool 2				
Empire; Penn									

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	Quantity 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.

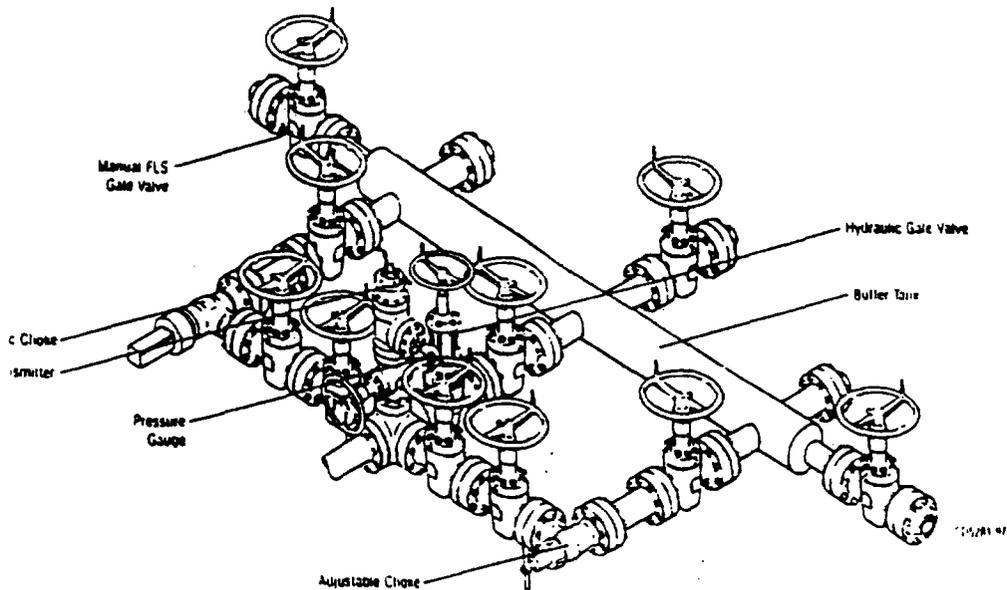
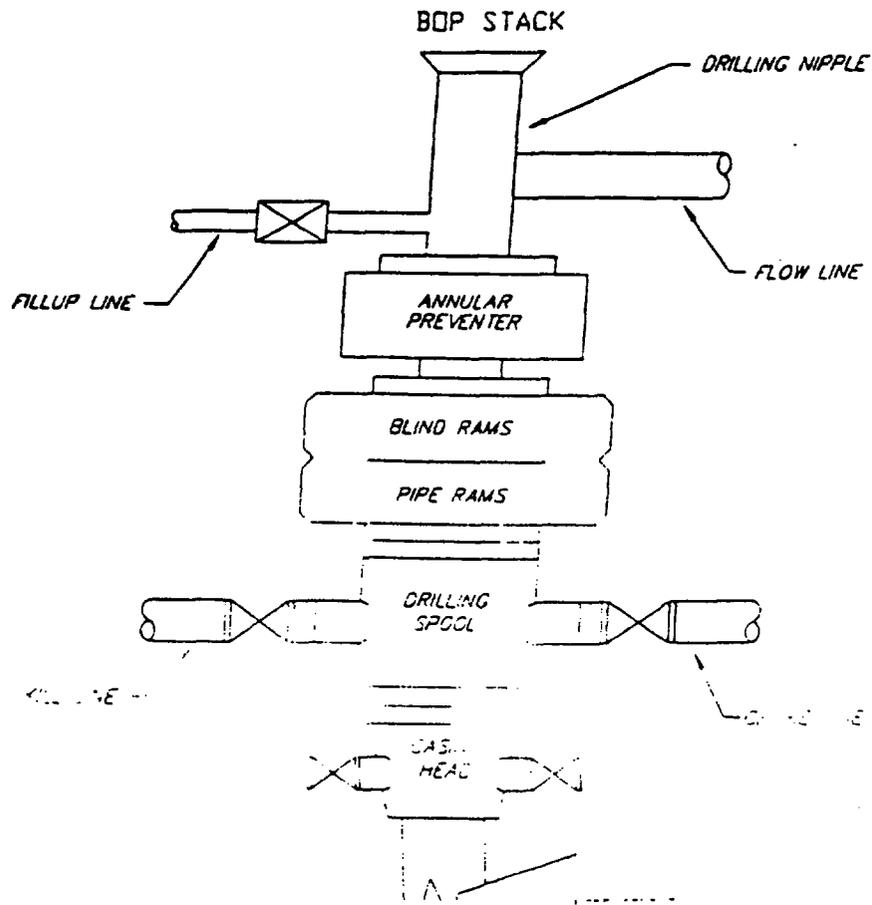
1. Drill 17 1/2" hole to ± 425'. Run 13 3/8" csg. and cement to surface w/450 sks. cement.
2. Drill 12 1/4" hole to ± 2,700'. Set 9 5/8" csg. and cement to surface w/900 sks cement.
3. Drill 8 3/4" hole to ± 10,900'. Run 5 1/2" csg. and cement to 9 5/8" w/2500 sks cement.

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: <i>Carla Christian</i>		OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY TIM W. GUM BGA Title: DISTRICT II SUPERVISOR	
Printed name: Carla Christian		Approval Date: <i>7-25-00</i> Expiration Date: <i>7-25-01</i>	
Title: Regulatory Technician		Conditions of Approval: Attached <input type="checkbox"/>	
Date: <i>7-24-00</i>	Phone: (405) 749-5263		

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
 311 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

RECEIVED
 OGD - ARTESIA

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 County

10. 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:		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 type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Set CIBP & perf new zone. <input checked="" 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.

9/27/01 Set CIBP @ 10,294 and perf'd new morrow perfs 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 wellcamp 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.

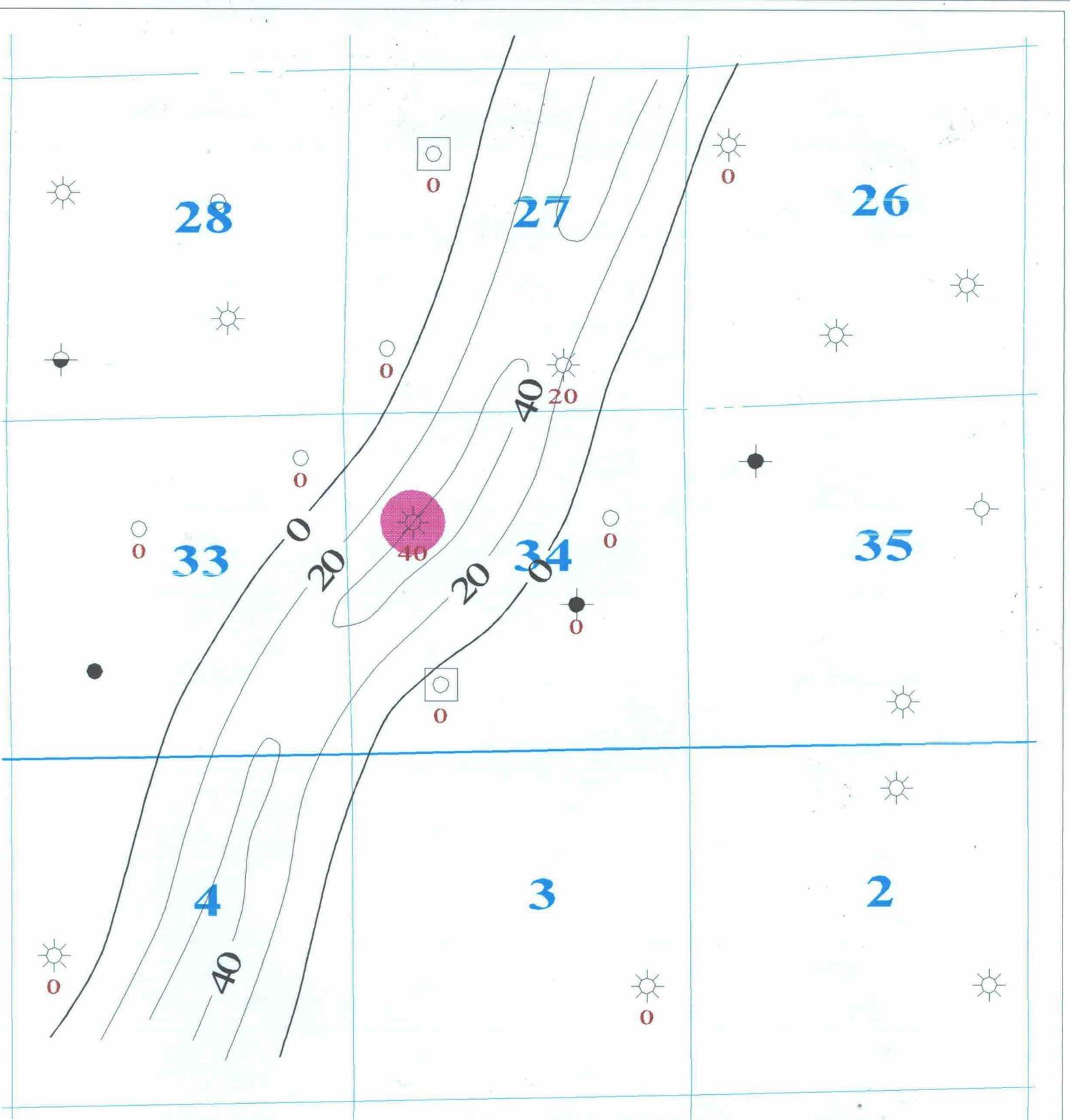
SIGNATURE Carla Christian TITLE Regulatory Technician DATE 10/01/01

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

(This space for State use)
 APPROVED BY [Signature] ORIGINAL SIGNED BY TIA W. GUM DISTRICT II SUPERVISOR
 TITLE _____ DATE _____

Conditions of approval, if any: NSC for oil well

OCT 0 8 2001



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. Shepley	CI=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



DominionSM

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:

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.

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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.

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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



DominionSM

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:

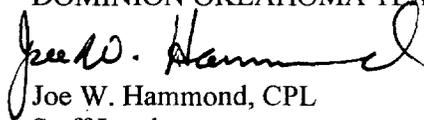
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The undersigned hereby waives any objection to the unorthodox location of Dominion's Geronimo "34" State Com #1Y well.

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



DominionSM

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:

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.

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Sincerely,

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.

Joe W. Hammond, CPL
Staff Landman

BP-Arco

Name: _____
Title: _____
Date: _____

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/02/02 08:19:
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 :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/02/02 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 PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 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 revealed 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

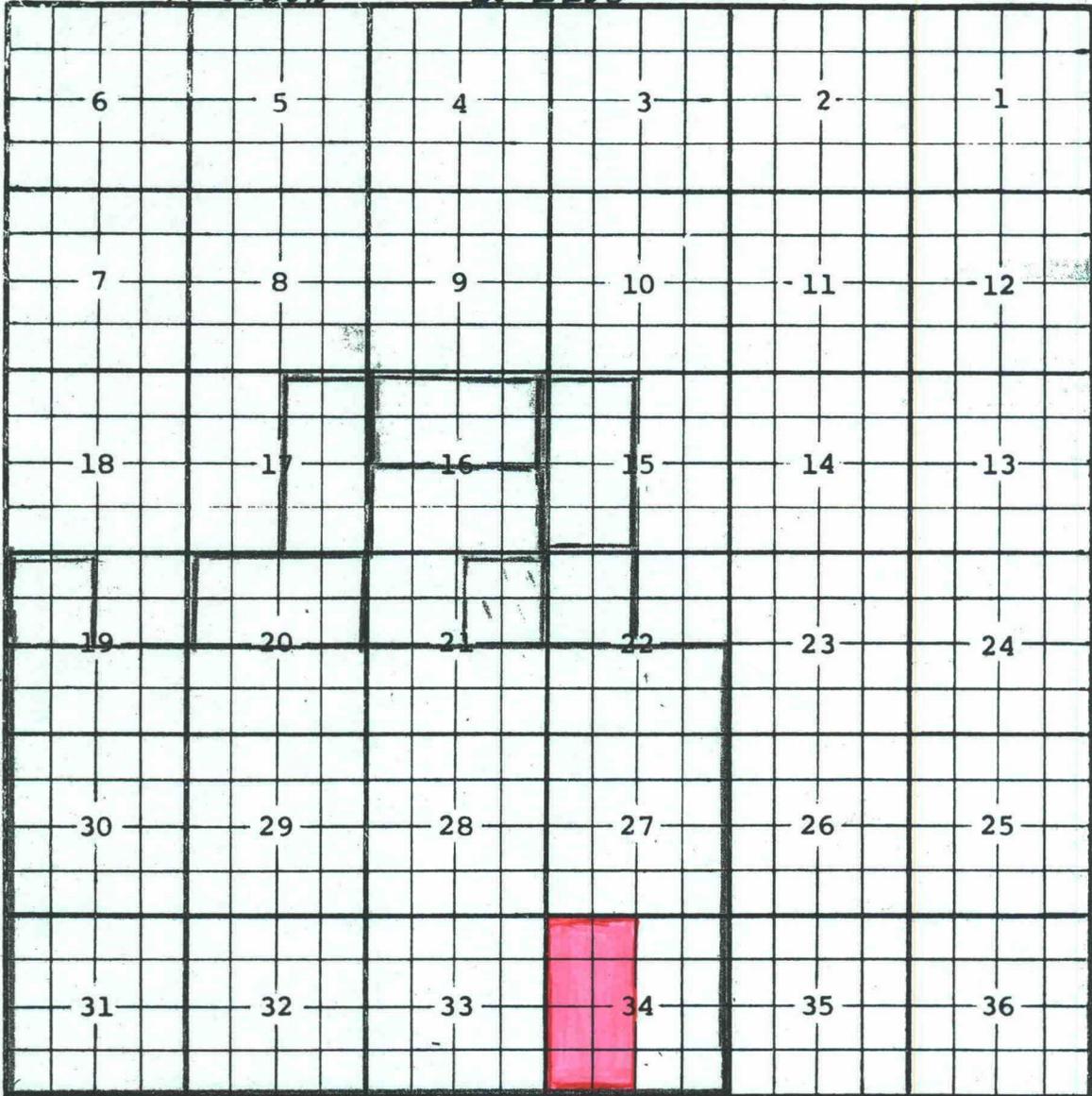
COUNTY Eddy

POOL Empire-Pennsylvanian Gas

TOWNSHIP 17-South

RANGE 28-East

NMPM



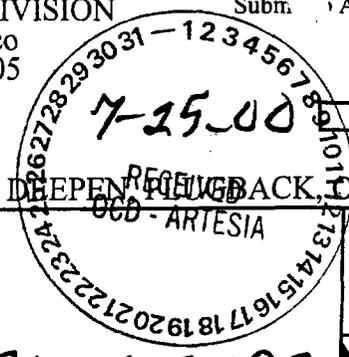
Description: 1/2 Sec. 19; 1/2 Sec. 20; 1/2 Sec. 21; 1/2 Sec. 22, 1/2 Secs. 27 thru 34 (R-391, 11-25-53). Special rules rescinded, pool now on statewide spacing (R-5809, 9-20-78) EXT: 1/2 sec 20 (R-7009, 6-19-82) EXT: NE 1/4 Sec. 21 (R-11203, 6-14-89) EXT: S 1/2 Sec. 16, NW 1/4 Sec. 21 (R-11256, 10-14-89)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

PO Box 1980, Hobbs, NM 88241-1980
 Distric 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

Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505



Subm. 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		³ API Number 30-015-31293
⁵ Property Name Geronimo "34" State Com		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					¹⁰ Proposed Pool 2				
Empire; Penn									

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	Setting 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 ± 425'. Run 13 3/8" csg. and cement to surface w/450 sks. cement.
2. Drill 12 1/4" hole to ± 2,700'. Set 9 5/8" csg. and cement to surface w/900 sks cement.
3. Drill 8 3/4" hole to ± 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: <i>Carla Christian</i>		OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY TIM W. GUM BGA Title: DISTRICT II SUPERVISOR	
Printed name: Carla Christian		Title: Regulatory Technician	
Date: 7-24-00		Approval Date: 7-25-00 Expiration Date: 7-25-01	
Phone: (405) 749-5263		Conditions of Approval: Attached <input type="checkbox"/>	

DISTRICT I
1025 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 87506

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

RECEIVED
OCCASIONAL
ARTESIA

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

<p>State Lease E-949</p>	<p>State Lease E-7116</p>			<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></p> <p>Signature</p> <p>Gene Simer</p> <p>Printed Name</p> <p>Dist. Ops. Mgr.</p> <p>Title</p> <p>7-24-00</p> <p>Date</p>
<p>1700'</p>				
<p>3675.6' 3673.8'</p> <p>1038' 1038'</p> <p>Lat.: N32°47'37.3"</p> <p>Long.: W104°10'10.1"</p> <p>3670.5' 3688.5'</p>				
<p>State Lease 647</p>				
<p>State Lease B-2071</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</p> <p>Date Surveyed</p> <p><i>GARY L. JONES</i></p> <p>Signature & Seal of Professional Surveyor</p> <p>W.O. No. 02877</p> <p>Certificate No. Gary Jones 7977</p> <p>BASIN SURVEYS</p>

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

Form C-103
 Revised March 25, 1999

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

WELL API NO.
 30-015-31172 - 31293

5. Indicate Type of Lease
 STATE FEE

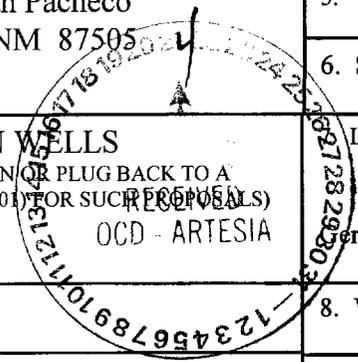
6. State Oil & Gas Lease No.
 E-949, E-7116, 647, B-2071

Lease Name or Unit Agreement Name:

Arnonimo "34" State Com

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

8. Well No. 1Y

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. 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

SUBSEQUENT REPORT OF:

REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT
 CASING TEST AND CEMENT JOB

OTHER: 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 Richard TITLE Please note Est. TOC job 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

SP Form C-103
 Revised March 25, 1999

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

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)

RECEIVED
 DISTRICT IV
 ARTESIA

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

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

8. Well No. 1Y

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. 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 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 [Signature] TITLE District Supervisor DATE OCT 02 2000

Conditions of approval, if any:
Records

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

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

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

8. Well No. 1Y

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. 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.

7-25-00 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:

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

Form C-104
 Revised February 21, 1994
 Instructions on back
 Submit to Appropriate District Office
 5 Copies

SF

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Louis Dreyfus Natural Gas 14000 Quail Springs Parkway, #600 Oklahoma City, Oklahoma 73134		2 OGRID Number 025773
4 API Number 30-0 15-31293		6 Pool Code 76440
5 Pool Name Empire; Penn		3 Reason for Filing Code NW
7 Property Code 26001	8 Property Name Geronimo "34" State Com	9 Well Number 1Y

II. 10 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

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Lse Code S	13 Producing Method Code F	14 Gas Connection Date 9-23-00	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
------------------	-------------------------------	-----------------------------------	------------------------	-------------------------	--------------------------

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
990	Arco Permian P.O. Box 1610 Midland, TX 79702	2827075	G	E, Sec. 34-17S-28E Custody Transfer Meter
138648	Amoco Pipeline 502 N.W. Avenue Levelland, TX 79336	2827074	O	E, Sec. 34-17S-28E Tank Battery



IV. Produced Water

23 POD 2827076	24 POD ULSTR Location and Description E, Sec. 34-17S-28E, Tank Battery
-------------------	---

V. Well Completion Data

25 Spud Date 7-25-00	26 Ready Date 9-23-00	27 TD 10,600	28 PBTD 10,451	29 Perforations 10,291 - 10,303 6 SPF
30 Hole Size 17 1/2"	31 Casing & Tubing Size 13 3/8"	32 Depth Set 443'	33 Sacks Cement 300 sks	
			950 sks	
			1730 sks	

VI. Well Test Data

34 Date New Oil 9-23-00	35 Gas Delivery Date 9-23-00	36 Test Date 10-5-00	37 Test Length 24 hrs	38 Tbg Pressure 2150	39 Csg. Pressure
40 Choke Size	41 Oil	42 Water	43 Gas	44 AOF	45 Test Method

30-019-21213

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

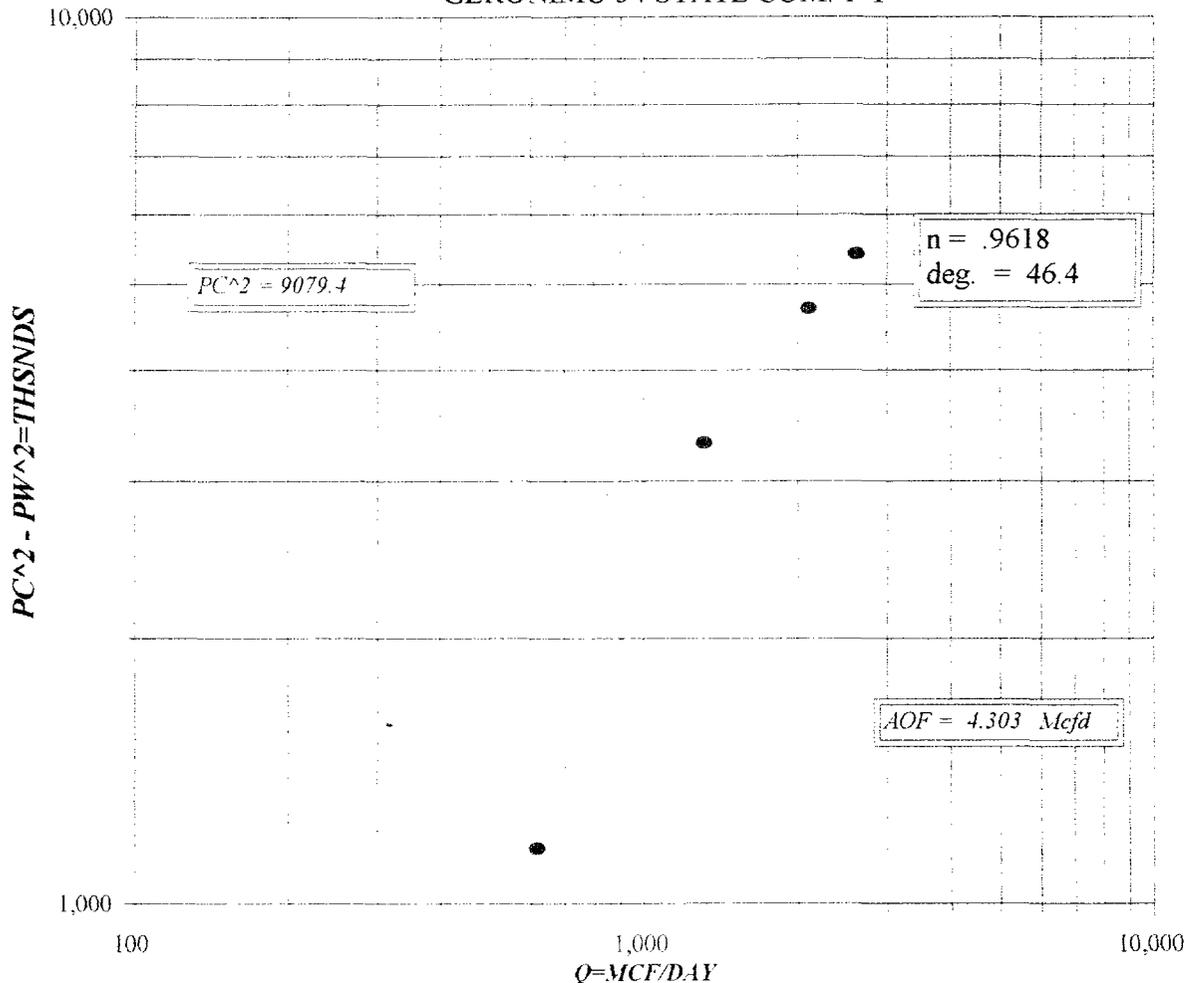
Form C-122
Revised October, 1999



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:		Packer Set At 10172					
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Baro. Press.-P _a 13.2		Prover N/A					
Producing Thru TUBING		Reservoir Temp.-F 176.2	Mean Annual Temp.-F 60	Meter Run 4.026		Taps FLG					
L 10215	H 10215	Gg 0.679	%CO ₂ 0.505	%N ₂ 0.402	%H ₂ S N/A	Duration of Flow					
FLOW DATA				TUBING DATA		CASING DATA					
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow	
SI						3000	N/A	PKR	N/A		
1	4.026 X 2.000		290	2	68	2800				1 HR	
2	4.026 X 2.000		440	6	68	2380				1 HR	
3	4.026 X 2.000		430	16	70	2050				1 HR	
4	4.026 X 2.000		360	29	70	1850				1 HR	
5											
RATE OF FLOW CALCULATIONS											
No.	COEFFICIENT (24 Hour)	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									
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) P _c ² = <u>1.68</u>		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.647$				
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	AOF = Q		$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.303$				
4	3471.5	1916.9	3674.5	5405.9							
5											
Absolute Open Flow		<u>4.303</u>		Mcf/d @ 15.025		Angle of Slope (°)		<u>46.4</u>		Slope n: <u>0.9618</u>	
Remarks:											
Approved By Division:			Conducted By:			Calculated By:			Checked By:		
			PRO WELL TESTING			MB			BM		

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



UNIT : SECTION : TOWNSHIP :
 L : 10215 H : 10215 L/H : 1 G/GMIX : 0.679
 %CO2 : 0.505 %N2 : 0.402 H2S : DATE : 9/13/00
 d : 1.995 Fr : 0.018231 GH : 5936.0 RANGE :

VOL 1 : 619 PSIA 1 : 2813.2 RESV. TEMP 176.2
 VOL 2 : 1311 PSIA 2 : 2393.2
 VOL 3 : 2116 PSIA 3 : 2063.2 SHUT-IN PR= 3013.2
 VOL 4 : 2613 PSIA 4 : 1863.2

PCR : 672
 TCR : 381

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 *

n = 0.962

Pc2/(Pc2-Pw2) = 7.872
 2.751
 1.936
 1.680

[Pc2/Pc2-Pw2]n = 7.275
 2.647
 1.888
 1.647

AOP= Q 4.503
 3.470
 3.995
 4.303

LINE	RATE 1		RATE 2		RATE 3		RATE 4		
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	
1	QM	0.619	0.619	1.311	1.311	2.116	2.116	2.613	2.613
2	TW	534	534	534	534	534	534	534	534
3	Ts	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1
4	T	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1
	PR (est)	4.19		3.56		3.07		2.77	
5	Z(est)	0.780	0.801	0.772	0.780	0.775	0.773	0.782	0.773
6	TZ	456.6	468.7	451.9	456.3	453.7	452.0	457.5	452.2
7	GH/TZ	15.191	14.798	15.349	15.200	15.288	15.346	15.159	15.337
8	eS	1.768	1.742	1.778	1.768	1.774	1.778	1.766	1.777
9	l-e-S	0.434	0.426	0.438	0.434	0.436	0.438	0.434	0.437
0	Pt	2813.2	2813.2	2393.2	2393.2	2063.2	2063.2	1863.2	1863.2
1	Pt2 /1000	7914.1	7914.1	5727.4	5727.4	4256.8	4256.8	3471.5	3471.5
2	Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
3	Fc=FrTZ	8.324	8.545	8.238	8.319	8.271	8.240	8.342	8.245
4	FcQm	5.15	5.29	10.80	10.91	17.50	17.44	21.80	21.54
5	L/H(FcQm)	26.5	28.0	116.6	118.9	306.3	304.0	475.1	464.1
6	Pw	11.52964	11.91592	51.04782	51.68048	133.6624	133.0253	206.0037	203.00276
7	Pw2	7925.6	7926.0	5778.5	5779.1	4390.5	4389.8	3677.5	3674.5
8	Ps2	14010.1	13805.4	10275.3	10219.0	7789.1	7804.9	6492.9	6530.9
9	Ps	3743.0	3715.6	3205.5	3196.7	2790.9	2793.7	2548.1	2555.6
0	P	3278.1	3264.4	2799.4	2795.0	2427.0	2428.5	2205.7	2209.4
1	Pr	4.88	4.86	4.17	4.16	3.61	3.61	3.28	3.29
2	Tr	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
3	Z	0.801	0.800	0.780	0.780	0.773	0.773	0.773	0.773



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 870
Carlsbad, New Mexico 88221

SAMPLE:
IDENTIFICATION: Geronimo 34 St. Comp. 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 (H2S)	0.000	
Nitrogen (N2)	0.402	
Carbon Dioxide (CO2)	0.508	
Methane (C1)	86.587	
Ethane (C2)	6.888	1.838
Propane (C3)	2.632	0.724
I-Butane (IC4)	0.351	0.115
N-Butane (NC4)	0.728	0.229
I-Pentane (IC5)	0.278	0.101
N-Pentane (NC5)	0.262	0.095
Hexane Plus (C6+)	1.386	0.602
	<u>100.000</u>	<u>3.704</u>

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

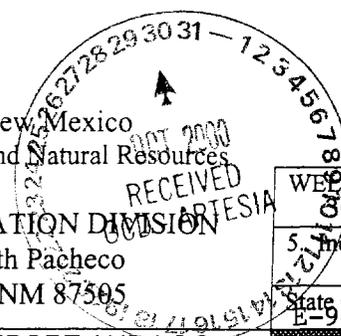
SPECIFIC GRAVITY -
CALCULATED 0.679
MEASURED

SF

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

Northwestern New Mexico

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

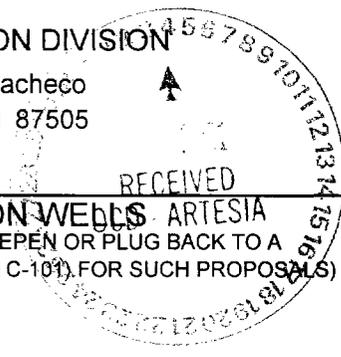
LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

District Office
DISTRICT I
625 n. French Dr., Hobbs, NM 88240
DISTRICT II
111 South First, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

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

8. Well No.
1Y

9. Pool name or Wildcat
Empire; Penn

SUNDRY NOTICES AND REPORTS ON WELLS - ARTESIA
(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 County

10. 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 AND ABANDONMENT

CASING TEST AND CEMENT JOB

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 wolfcamp 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 10/01/01

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

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

Conditions of approval, if any: NSL for Oil Well