

AMEND NSL

5/24/99

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com

Land Fax 405-749-6662



Louis Dreyfus Natural Gas

April 30, 1999

Michael E. Stogner
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Bonespring Recompletion
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

RECEIVED
MAY - 3 1999
OIL CONSERVATION DIVISION

30-015-29833

Dear Mr. Stogner:

Louis Dreyfus Natural Gas Corp. has recompleted the White Wing 22 Fed Com #23 well to the Bonespring formation.

It is respectfully requested that OCD NSL 3869 be amended to approve an Unorthodox Location in the Bonespring. I have attached a copy of our original Order #R-10903 and OCD NSL 3869-A, as well as other information for the White Wing well for your review.

Notice has been given to all Lessees of record in the diagonal or adjoining spacing unit. Your assistance is appreciated and should you have any questions or comments, please do not hesitate to call.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond
District Landman

JWH/eoo

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

5. LEASE DESIGNATION AND SERIAL NO.
LC-064490

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

White Wing 22 Fed. Com. #23

9. APIWELLNO.

10. FIELD AND POOL, OR WILDCAT

Happy Valley (Bone Springs)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22-T22S-R26E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

2. NAME OF OPERATOR
Louis Dreyfus Natural Gas Corp.

3. ADDRESS AND TELEPHONE NO.
14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
1980' FSL & 2635' FWL Sec. 22-22S-26E
At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED 9/30/97 Orig.
16. DATE T.D. REACHED 9/11/98
17. DATE COMPL. (Ready to prod.) 9/17/98
18. ELEVATION (OF, RKB, RT, GR, ETC.)* 3349' GL
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,850'
21. PLUG, BACK T.D., MD & TVD 7865'
22. IF MULTIPLE COMPL., HOW MANY* _____
23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
7745' - 7752' Happy Valley (Bone Springs)

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
None

27. WAS WELL CORRD
No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	J-55, 50#	525'	17 1/2"	Surface 600 sx.	-0-
9 5/8"	J-55, 36#	1727'	12 1/4"	Surface 750 sx.	-0-
7"	J-55, 26#	8977'	8 3/4"	Surface 1320 sx.	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2"	8759'	11847'	375	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7585.17'	7605.59'

31. PERFORATION RECORD (Interval, size and number)

11661'-11664'	13 holes	Retainer @ 11614'
11667'-11671'	17 holes	squeeze perfs. w/
11674'-11676'	9 holes	125 sx. C1. H cmt.
11716'-11719'	6 holes	4 1/2" - 13# CIBP
11402'-11408'	6 holes	@ 9600' w/35' cmt.
11430'-11440'	8 holes	on top

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7745'-7747'	2000 gal. 15% NEFE acid
7749'-7752'	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9/16/98	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/16/98	20.5	3/8"	→	47	226	-0-	4,808/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1400		→	55	264	-0-		

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Terry R. Bryant TITLE Regulatory Technician DATE 10/5/98

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	2150'	
Bone Spring	5090'	
Wolfcamp	8657'	
Strawn	10233'	
Atoka	10534'	
Morrow Clastics	11213'	
Lower Morrow	11539'	

WHITE WING 22 FED COM 23

Happy Valley (Bone Spring) Plug Back continued:

31.	9442'-9458'	16'	16 holes	4 1/2" RBP set @ 9,400' w/5' sand on RBP.
	9407'-9418'	11'	11 holes	
	9378'-9384'	6'	3 holes	
	9367'-9360'	2'	2 holes	
	9337'-9339'	2'	2 holes	
	9326'-9329'	3'	3 holes	
	9304'-9313'	7'	7 holes	
	9294'-9296'	2'	2 holes	
	9285'-9287'	2'	2 holes	
	9280'-9282'	2'	2 holes	
	9258'-9260'	2'	2 holes	
	9248'-9250'	2'	2 holes	CIBP @ 7900' w/35' cement on top.
	7745'-7747'	2'	4 holes	
	7749'-7752'	3'	6 holes	

orig.

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-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29833	Pool Code 78060	Pool Name HAPPY VALLEY - Bone Springs
Property Code 21545	Property Name WHITE WING 22 FEDERAL	Well Number 23
OGRID No. 25773	Operator Name LOUIS DREYFUS NATURAL GAS CORP.	Elevation 3349.

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
K	22	22-S	26-E		1980	SOUTH	2635	WEST	EDDY

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Gene Limer</i> Signature
	40 acre Bone Spring Unit			mer _____ lon Foreman _____ 1997 _____
	2635			¹⁸ SURVEYOR CERTIFICATION I certify that the well location shown on this plat was the result of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. L. 1997 _____ R. P. Eddy Registered Professional Surveyor STATE OF NEW MEXICO 5412 ENGINEER Certificate Number: _____ N.M. REGS. NO. _____ PROFESSIONAL SURVEYOR
		1980'		

OWNERSHIP FOR NW SE

Louis Dreyfus
Chi Energy
Charles B. Read
Stanley Tyler, Agent
Great Western
Norman L. Stevens
S. P. Yates
Brooks Oil & Gas
Paul Ray
Sharbro Oil Co.
Fasken Oil & Ranch
Texaco E&P (FP)
Union Pacific (FP)



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

April 20, 1998

**Louis Dreyfus Natural Gas Corporation
14000 Quail Springs Parkway - Suite 600
Oklahoma City, Oklahoma 73134-2600
Attention: Joe W. Hammond**

Administrative Order NSL-3869-A

Dear Mr. Hammond:

Reference is made to the following: (i) your application to the Division, dated April 9, 1998; and, (ii) the records of the Division in Santa Fe, including Division Administrative Order NSL-3869 and Case No. 11858: all concerning Louis Dreyfus Natural Gas Corporation's request for the amendment of a previous order by the Division approving an unorthodox gas well location to expand the vertical limits of the provisions in said order to include the potential gas bearing Undesignated Southeast Carlsbad-Wolfcamp Gas Pool.

Division Administrative Order NSL-3869, dated September 16, 1997, authorized the drilling of the Louis Dreyfus Natural Gas Corporation's White Wing "22" Federal Com. Well No. 23 (API No. 30-015-29833) at an unorthodox gas well location within a standard 320-acre gas spacing and proration unit comprising the S/2 of Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, 1980 feet from the South line and 2635 feet from the West line (Unit K) in order to test the Undesignated Happy Valley-Morrow Gas Pool.

The S/2 of said Section 22, being a standard 320-acre gas spacing and proration unit in the Undesignated Southeast Carlsbad-Wolfcamp Gas Pool, is to be dedicated to said well.

The subject request has been duly filed under the provisions of Rule 104.F of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

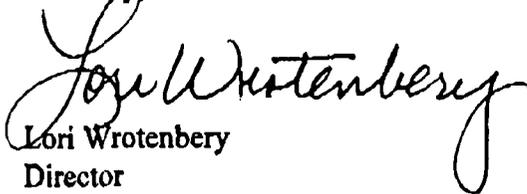
By the authority granted me under the provisions of Division General Rule 104.F(2), the above-described unorthodox gas well location for the Louis Dreyfus Natural Gas Corporation's White Wing "22" Federal Com. Well No. 23 is hereby approved for gas production from the Undesignated Southeast Carlsbad-Wolfcamp Gas Pool.

All provisions of said Administrative Order NSL-3869 shall remain in full force and effect until further notice.

Administrative Order NSL-3869-A
Louis Dreyfus Natural Gas Corporation
April 20, 1998
Page 2

Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,



Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia
U. S. Bureau of Land Management - Carlsbad
Files: NSL-3869
Case No. 11858

**STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**CASE NO. 11858
Order No. R-10903**

**APPLICATION OF LOUIS DREYFUS
NATURAL GAS CORPORATION FOR
COMPULSORY POOLING AND AN
UNORTHODOX WELL LOCATION,
EDDY COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on October 9, 1997, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 17th day of October, 1997, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Louis Dreyfus Natural Gas Corporation, seeks an order pooling all mineral interests from the surface to the base of the Morrow formation underlying the following described acreage in Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, and in the following manner:

the S/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools spaced on 320 acres within said vertical extent which presently includes but is not necessarily limited to the Undesignated Southeast Carlsbad-Wolfcamp Pool, Undesignated East Hackberry Hills-Canyon Gas Pool, Undesignated Northeast Sheep Draw-Strawn Gas Pool, Undesignated South Happy Valley-Atoka Gas Pool and the Undesignated Happy Valley-Morrow Gas Pool;

the SW/4 to form a standard 160-acre spacing and proration unit for any and all formations and/or pools spaced on 160 acres within said vertical extent; and,

the NE/4 SW/4 to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools spaced on 40 acres within said vertical extent.

Said units are to be dedicated to the applicant's proposed White Wing "22" Federal Com Well No. 23 to be drilled at an unorthodox location 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22.

(3) The applicant has the right to drill and proposes to drill its White Wing "22" Federal Com Well No. 23 at the unorthodox location described above.

(4) At the time of the hearing the applicant testified that by Order No. NSL-3869 dated September 16, 1997, it has obtained Division approval of the proposed unorthodox location for the White Wing "22" Federal Com Well No. 23 as to the Morrow interval. Applicant therefore requested that the portion of this application seeking approval of the proposed unorthodox location be dismissed.

(5) There are interest owners in the proposed proration units who have not agreed to pool their interests.

(6) To avoid the drilling of unnecessary wells, to protect correlative rights, to avoid waste, and to afford to the owner of each interest in said units the opportunity to recover or receive without unnecessary expense his just and fair share of the production in any pool completion resulting from this order, the subject application should be approved by pooling all mineral interests, whatever they may be, within said units.

(7) The applicant should be designated the operator of the subject well and units.

(8) Any non-consenting working interest owner should be afforded the opportunity to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production.

(9) Any non-consenting working interest owner who does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs plus an additional 200 percent thereof as a reasonable charge for the risk involved in the drilling of the well.

(10) Any non-consenting working interest owner should be afforded the opportunity to object to the actual well costs but actual well costs should be adopted as the reasonable well costs in the absence of such objection.

(11) Following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated costs should pay to the operator any amount that reasonable well costs exceed estimated well costs and should receive from the operator any amount that paid estimated well costs exceed reasonable well costs.

(12) \$5610.00 per month while drilling and \$663.00 per month while producing should be fixed as reasonable charges for supervision (combined fixed rates); the operator should be authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator should be authorized to withhold from production the proportionate share of actual expenditures required for operating the subject well, not in excess of what are reasonable, attributable to each non-consenting working interest.

(13) All proceeds from production from the subject well which are not disbursed for any reason should be placed in escrow to be paid to the true owner thereof upon demand and proof of ownership.

(14) Upon the failure of the operator of said pooled units to commence the drilling of the well to which said units are dedicated on or before January 15, 1998, the order pooling said units should become null and void and of no effect whatsoever.

(15) Should all the parties to this forced pooling order reach voluntary agreement subsequent to entry of this order, this order shall thereafter be of no further effect.

(16) The operator of the well and units shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the forced pooling provisions of this order.

IT IS THEREFORE ORDERED THAT:

(1) All mineral interests, whatever they may be, from the surface to the base of the Morrow formation underlying the following described acreage in Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, are hereby pooled in the following manner:

the S/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools spaced on 320 acres within said vertical extent which presently includes but is not necessarily limited to the Undesignated Southeast Carlsbad-Wolfcamp Pool, Undesignated East Hackberry Hills-Canyon Gas Pool, Undesignated Northeast Sheep Draw-Strawn Gas Pool, Undesignated South Happy Valley-Atoka Gas Pool and the Undesignated Happy Valley-Morrow Gas Pool;

the SW/4 to form a standard 160-acre spacing and proration unit for any and all formations and/or pools spaced on 160 acres within said vertical extent; and,

the NE/4 SW/4 to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools spaced on 40 acres within said vertical extent.

Said units shall be dedicated to the applicant's White Wing "22" Federal Com Well No. 23 to be drilled at a previously approved unorthodox location 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22.

PROVIDED HOWEVER THAT, the operator of said units shall commence the drilling of said well on or before the 15th day of January, 1998, and shall thereafter continue the drilling of said well with due diligence to a depth sufficient to test the Morrow formation.

PROVIDED FURTHER THAT, in the event said operator does not commence the drilling of said well on or before the 15th day of January, 1998, Ordering Paragraph No. (1) of this order shall be null and void and of no effect whatsoever, unless said operator obtains a time extension from the Division Director for good cause shown.

PROVIDED FURTHER THAT, should said well not be drilled to completion, or abandonment, within 120 days after commencement thereof, said operator shall appear before the Division Director and show cause why Ordering Paragraph No. (1) of this order should not be rescinded.

(2) Louis Dreyfus Natural Gas Corporation is hereby designated the operator of the subject well and units.

(3) After the effective date of this order and within 90 days prior to commencing said well, the operator shall furnish the Division and each known working interest owner in the subject units an itemized schedule of estimated well costs.

(4) Within 30 days from the date the schedule of estimated well costs is furnished to him, any non-consenting working interest owner shall have the right to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production, and any such owner who pays his share of estimated well costs as provided above shall remain liable for operating costs but shall not be liable for risk charges.

(5) The operator shall furnish the Division and each known working interest owner an itemized schedule of actual well costs within 90 days following completion of the well; if no objection to the actual well costs is received by the Division and the Division has not objected within 45 days following receipt of said schedule, the actual well costs shall be the reasonable well costs; provided however, if there is objection to actual well costs within said 45-day period the Division will determine reasonable well costs after public notice and hearing.

(6) Within 60 days following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated well costs in advance as provided above shall pay to the operator his pro rata share of the amount that reasonable well costs exceed estimated well costs and shall receive from the operator his pro rata share of the amount that estimated well costs exceed reasonable well costs.

(7) The operator is hereby authorized to withhold the following costs and charges from production:

- (A) The pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.
- (B) As a charge for the risk involved in the drilling of the well, 200 percent of the pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.

(8) The operator shall distribute said costs and charges withheld from production to the parties who advanced the well costs.

(9) \$5610.00 per month while drilling and \$663.00 per month while producing are hereby fixed as reasonable charges for supervision (combined fixed rates); the operator is hereby authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator is hereby authorized to withhold from production the proportionate share of actual expenditures required for operating such well, not in excess of what are reasonable, attributable to each non-consenting working interest.

(10) Any unleased mineral interest shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for the purpose of allocating costs and charges under the terms of this order.

(11) Any well costs or charges which are to be paid out of production shall be withheld only from the working interest's share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

(12) All proceeds from production from the subject well which are not disbursed for any reason shall immediately be placed in escrow in Eddy County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership; the operator shall notify the Division of the name and address of said escrow agent within 30 days from the date of first deposit with said escrow agent.

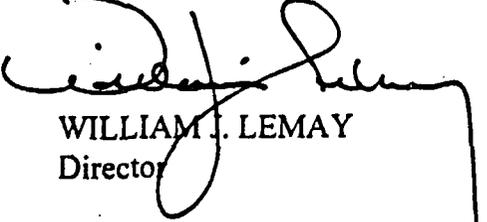
(13) Should all the parties to this forced pooling order reach voluntary agreement subsequent to entry of this order, this order shall thereafter be of no further effect.

(14) The operator of the well and units shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the forced pooling provisions of this order.

(15) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

Gene Jimer

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134		² OGRID Number 025773
		³ Reason for Filing Code RC
⁴ API Number 30-015-29833	⁵ Pool Name <i>W.A.</i> Happy Valley (Bone Springs) Sec. 22-26E	⁶ Pool Code 96605
⁷ Property Code 21545	⁸ Property Name White Wing "22" Fed. Com.	⁹ Well Number 23

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
K	22	22S	26E		1980'	South	2635'	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	¹³ Producing Method Code	¹⁴ Gas Connection Date	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
007057	El Paso Natural Gas P.O. Box 1492 El Paso, TX 79978	2821978	G	C Sec. 22-22S-26E Custody Transfer Meter
138648	Amoco Pipeline - ICT 502 NW Avenue Levelland, TX 79336	2822168	0	K Sec. 22-22S-26E Tank Battery

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
2821979	NE SW Sec. 22-22S-26E Tank Battery

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforations	³⁰ DHC, DC, MC
9/11/98 PB	9/16/98	11,850'	7865'	7745'-7752'	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 1/2"	13 3/8"	525'	600		
12 1/4"	9 5/8"	1727'	750		
8 3/4"	7"	8977'	1320		
6 1/8"	4 1/2"	11847'	375		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
9/16/98	9/16/98	9/16/98	20.5 hrs.	1400	
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
3/8"	47	-0-	226		F

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Terrye D. Bryant</i> Printed name: Terrye D. Bryant Title: Regulatory Technician Date: 10/5/98 Phone: (405) 749-5287	OIL CONSERVATION DIVISION ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR
	Approved by:
	Title:
	Approval Date: 10-8-98

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator			
Previous Operator Signature	Printed Name	Title	Date

DIVISION OF INTEREST

For all depths from the surface to 10,600 feet subsurface, before payout of any interests or penalties described herein:

United States of America		.1250000 RI
Heirs or Devisees of Buck Russell and wife, Emma T. Russell, both deceased		.0030000 PPI
Hanson-McBride Petroleum Company		.0135000 PPI
Paul Slayton, whose wife is Patricia Slayton		.0135000 PPI
Paul Slayton, whose wife is Patricia Slayton		.0062500 ORI
Fisco, Inc.		.0062500 ORI
Marshall & Winston, Inc.		.0075000 ORI
Fasken Land and Minerals, Ltd.	(21.5715% x .095)	.0204929 ORI
Tom Brown, Inc.		.0021875 ORI
Charles B. Read	(3.31473% x .845) plus (3.0% x .8104588)	.0523232 WI
Norman L. Stevens, whose wife is Dolores B. Stevens	(3.31473% x .845)	.0280095 WI
Stanley Tyler, Agent	(1.60417% x .845)	.0135552 WI
Paul Ray, whose wife is Sarah Ray	(.45833% x .845)	.0038729 WI
S. P. Yates, whose wife is Estelle Yates	(.42535% x .845)	.0035942 WI
Sharbro Oil Ltd. Co., a New Mexico Limited Liability Company	(.21268% x .845)	.0017971 WI
Frank Yates, Jr., S. P. Yates and B. W. Harper, personal representatives of the Estate of Lillie M. Yates	(.21268% x .845)	.0017971 WI
Texaco Exploration and Production Inc.	Force Pooled	-0-
Union Pacific Resources Company	Force Pooled	-0-
Brooks Oil & Gas Interests, a Texas General Partnership	(.4421% x .845)	.0037358 WI
Chi Energy, Inc.	9.0% x .8104588	.0729413 WI
Great Western Drilling Company	25.0% x .8104588	.2026147 WI

H:\DOCS\262573\AGH9.ODO

Louis Dreyfus Natural Gas Corp.	27.23458% x .8104588 plus 21.5715% x .75 plus 4.20914% x .845	.4180786 WI
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NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

May 14, 1999

Louis Dreyfus Natural Gas Corporation
14000 Quail Springs Parkway - Suite 600
Oklahoma City, Oklahoma 73134-2600

Attention: Joe W. Hammond

Re Application dated April 30, 1999 for an unorthodox oil well location within the Bone Spring formation for its existing White Wing "22" Federal Com. Well No. 23 (API No. 30-015-29833) located 1980 feet from the South line and 2635 feet from the West line of Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico. A standard 40-acre oil spacing and proration unit comprising the NE/4 SW/4 (Unit K) of Section 22 is the proposed acreage to be dedicated to this well.

Dear Mr. Hammond:

Please provide the Division with detailed breakouts of the mineral interests ownership (royalty, over ride royalty, and working) in both the NW/4 SE/4 (Unit J) of Section 22 and the NE/4 SW/4 (Unit K) of Section 22 as to the Bone Spring formation. Also, the attached "Division of Interest" was submitted with this application, what area does this cover?

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Artesia
U. S. Bureau of Land Management - Carlsbad
Jim Bruce, Legal Counsel for Louis Dreyfus Natural Gas Corporation in Division
Case 11858 - Santa Fe

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

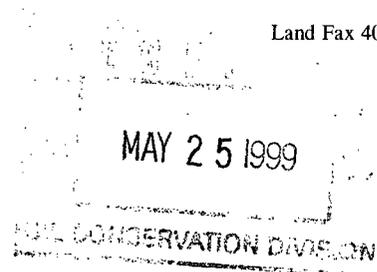
Telephone 405 749-1300
www.ldng.com

Land Fax 405-749-6662

 Louis Dreyfus Natural Gas

May 20, 1999

Mr. Michael E. Stogner
New Mexico Oil conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505



RE: White Wing 22 Fed Com #23
Section 22-22S-26E
Eddy County, New Mexico

Dear Mr. Stogner:

Reference is made to your letter dated May 14, 1999 requesting detailed ownership information in the NW/4 SE/4 and NE/4 SW/4 of Section 22.

The Division of Interest sheet submitted with the application covers the NE/4 SW/4 of Section 22 and is taken from the Title Opinion rendered for the well. The acreage covering all Section 22 is covered by just one Federal Lease (No. NMLC-064490). The working interest, override and royalty ownership for the NW/4 SE/4 would be identical to the NE/4SW/4 with the exception of the following:

Fasken Land & Minerals would own a 4.4% working interest in lieu of an ORRI. Texaco E&P would own a 2.9% working interest. Union Pacific would own a .73% working interest. (Note: Texaco and Union Pacific neither claim an interest herein, but their ownership shows of record regardless.) Louis Dreyfus working interest would be reduced by the above amounts. Also, please note the above parties have been properly notified.

Also, as a precaution, it is respectfully requested that the Delaware formation be added to this application. Should the Bone Spring not be successful, we would want to immediately recomplete to the Delaware. The ownership in the Delaware is identical to that in the Bone Spring.

Should you have any further questions, please do not hesitate to contact me. My direct telephone number is 405-749-5279, and my e-mail address is hammojw@LDNGC.com.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

A handwritten signature in black ink, appearing to read "Joe W. Hammond".

Joe W. Hammond
District Landman
JWH/eeo



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

May 26, 1999

Louis Dreyfus Natural Gas Corporation
14000 Quail Springs Parkway - Suite 600
Oklahoma City, Oklahoma 73134-2600

Attention: Joe W. Hammond

Re Administrative application for an unorthodox oil well location within the Delaware and Bone Spring formations for the existing White Wing "22" Federal Com. Well No. 23 (API No. 30-015-29833) located 1980 feet from the South line and 2635 feet from the West line of Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico. A standard 40-acre oil spacing and proration unit comprising the NE/4 SW/4 (Unit K) of Section 22 is the proposed acreage to be dedicated to this well.

Dear Mr. Hammond:

Your letter dated May 20, 1999 adequately addressed my concerns of the mineral interests ownership (royalty, over ride royalty, and working) in both the NW/4 SE/4 (Unit J) of Section 22 and the NE/4 SW/4 (Unit K) of Section 22 as to the Bone Spring formation. However, your precautionary request to include the Delaware formation changes this application significantly. Since the notification letters sent out on April 30, 1999 specified the Bone Spring interval, they are inadequate to cover the Delaware formation; therefore, please resubmit your notification to include the Delaware interval.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Artesia
U. S. Bureau of Land Management - Carlsbad
Jim Bruce, Legal Counsel for Louis Dreyfus Natural Gas Corporation in Division
Case 11858 - Santa Fe

AMEND NSL 7/7/98

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com

Land Fax 405-749-6662

 Louis Dreyfus Natural Gas

June 15, 1999

Michael E. Stogner
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

JUN 17 1999

RE: Bonespring/Delaware Recompletion
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Dear Mr. Stogner:

Louis Dreyfus Natural Gas Corp. has recompleted the White Wing 22 Fed Com #23 well to the Bonespring formation. Should the completion be uneconomical a recompletion attempt in the Delaware will be made at a later date.

It is respectfully requested that OCD NSL 3869 be amended to approve an Unorthodox Location in the Bonespring and Delaware. I have attached a copy of our original Order #R-10903 and OCD NSL 3869-A, as well as other information for the White Wing well for your review.

Notice has been given to all Lessees of record in the diagonal or adjoining spacing units. Please note the ownership is identical in the Bonespring and Delaware intervals. Your assistance is appreciated and should you have any questions or comments, please do not hesitate to contact me.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eo

orig.

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-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number 30-015-29833		Pool Code 78060	Pool Name HAPPY VALLEY - Bone Springs
Property Code 21545	Property Name WHITE WING 22 FEDERAL		Well Number 23
OGUID No. 25773	Operator Name LOUIS DREYFUS NATURAL GAS CORP.		Elevation 3349.

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	22	22-S	26-E		1980	SOUTH	2635	WEST	EDDY

11 Bottom Hole Location If Different From Surface

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

11 Dedicated Acres 40	12 Joint or Infill	13 Consolidation Code	14 Order No.
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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

16	40 acre Bone Spring Unit	2635	1980'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Gene Simur</i> Signature
OWNERSHIP FOR NW SE Louis Dreyfus Chi Energy Charles B. Read Stanley Tyler, Agent Great Western Norman L. Stevens S. P. Yates Brooks Oil & Gas Paul Ray Sharbro Oil Co. Fasken Oil & Ranch Texaco E&P (FP) Union Pacific (FP)				YOR CERTIFICATION I certify that the well location shown on this plat is true and complete to the best of my knowledge and belief. 1997
				Professional Engineer 5412 NEW MEXICO PROFESSIONAL ENGINEER

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. Other _____

2. NAME OF OPERATOR
Louis Dreyfus Natural Gas Corp.

3. ADDRESS AND TELEPHONE NO.
14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface
 1980' FSL & 2635' FWL Sec. 22-22S-26E
 At top prod. interval reported below
 At total depth

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
LC-064490

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME, WELL NO.
White Wing 22 Fed. Com. #23

9. APIWELLNO. _____

10. FIELD AND POOL, OR WILDCAT
Happy Valley (Bone Springs)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 22-T22S-R26E

12. COUNTY OR PARISH Eddy 13. STATE NM

15. DATE SPUDDED 9/30/97 Orig. 16. DATE T.D. REACHED 9/11/98 17. DATE COMPL. (Ready to prod.) 9/17/98 18. ELEVATIONS (DF, RKB, BT, GR, ETC.)* 3349' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,850' 21. PLUG BACK T.D., MD & TVD 7865' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7745' - 7752' Happy Valley (Bone Springs) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN None 27. WAS WELL CORRED No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	J-55, 50#	525'	17 1/2"	Surface 600 sx.	-0-
9 5/8"	J-55, 36#	1727'	12 1/4"	Surface 750 sx.	-0-
7"	J-55, 26#	8977'	8 3/4"	Surface 1320 sx.	-0-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	8759'	11847'	375		2 3/8"	7585.17'	7605.59'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	HOLES	RETAINER
11661'-11664'	13 holes	Retainer @ 11614'
11667'-11671'	17 holes	squeeze perms. w/
11674'-11676'	9 holes	125 sxs. Cl. H cmt.
11716'-11719'	6 holes	4 1/2" - 13# CIBP
11402'-11408'	6 holes	@ 9600' w/35' cmt.
11430'-11440'	8 holes	on top

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7745'-7747'	2000 gal. 15% NEFE acid
7749'-7752'	

33. PRODUCTION

DATE FIRST PRODUCTION 9/16/98 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/16/98	20.5	3/8"	→	47	226	-0-	4,808/1

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1400		→	55	264	-0-	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Terry Bryant TITLE Regulatory Technician DATE 10/5/98

*(See Instructions and Spaces for Additional Data on Reverse Side)



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

April 20, 1998

**Louis Dreyfus Natural Gas Corporation
14000 Quail Springs Parkway - Suite 600
Oklahoma City, Oklahoma 73134-2600
Attention: Joe W. Hammond**

Administrative Order NSL-3869-A

Dear Mr. Hammond:

Reference is made to the following: (i) your application to the Division, dated April 9, 1998; and, (ii) the records of the Division in Santa Fe, including Division Administrative Order NSL-3869 and Case No. 11858: all concerning Louis Dreyfus Natural Gas Corporation's request for the amendment of a previous order by the Division approving an unorthodox gas well location to expand the vertical limits of the provisions in said order to include the potential gas bearing Undesignated Southeast Carlsbad-Wolfcamp Gas Pool.

Division Administrative Order NSL-3869, dated September 16, 1997, authorized the drilling of the Louis Dreyfus Natural Gas Corporation's White Wing "22" Federal Com. Well No. 23 (API No. 30-015-29833) at an unorthodox gas well location within a standard 320-acre gas spacing and proration unit comprising the S/2 of Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, 1980 feet from the South line and 2635 feet from the West line (Unit K) in order to test the Undesignated Happy Valley-Morrow Gas Pool.

The S/2 of said Section 22, being a standard 320-acre gas spacing and proration unit in the Undesignated Southeast Carlsbad-Wolfcamp Gas Pool, is to be dedicated to said well.

The subject request has been duly filed under the provisions of Rule 104.F of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

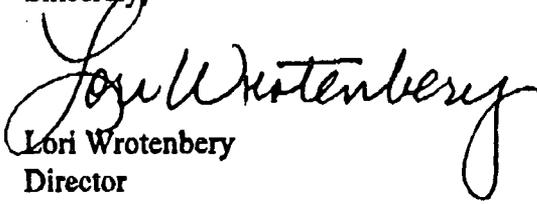
By the authority granted me under the provisions of Division General Rule 104.F(2), the above-described unorthodox gas well location for the Louis Dreyfus Natural Gas Corporation's White Wing "22" Federal Com. Well No. 23 is hereby approved for gas production from the Undesignated Southeast Carlsbad-Wolfcamp Gas Pool.

All provisions of said Administrative Order NSL-3869 shall remain in full force and effect until further notice.

Administrative Order NSL-3869-A
Louis Dreyfus Natural Gas Corporation
April 20, 1998
Page 2

Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,



Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia
U. S. Bureau of Land Management - Carlsbad
Files: NSL-3869
Case No. 11858

**STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**CASE NO. 11858
Order No. R-10903**

**APPLICATION OF LOUIS DREYFUS
NATURAL GAS CORPORATION FOR
COMPULSORY POOLING AND AN
UNORTHODOX WELL LOCATION,
EDDY COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on October 9, 1997, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 17th day of October, 1997, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Louis Dreyfus Natural Gas Corporation, seeks an order pooling all mineral interests from the surface to the base of the Morrow formation underlying the following described acreage in Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, and in the following manner:

the S/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools spaced on 320 acres within said vertical extent which presently includes but is not necessarily limited to the Undesignated Southeast Carlsbad-Wolfcamp Pool, Undesignated East Hackberry Hills-Canyon Gas Pool, Undesignated Northeast Sheep Draw-Strawn Gas Pool, Undesignated South Happy Valley-Atoka Gas Pool and the Undesignated Happy Valley-Morrow Gas Pool;

the SW/4 to form a standard 160-acre spacing and proration unit for any and all formations and/or pools spaced on 160 acres within said vertical extent; and,

the NE/4 SW/4 to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools spaced on 40 acres within said vertical extent.

Said units are to be dedicated to the applicant's proposed White Wing "22" Federal Com Well No. 23 to be drilled at an unorthodox location 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22.

(3) The applicant has the right to drill and proposes to drill its White Wing "22" Federal Com Well No. 23 at the unorthodox location described above.

(4) At the time of the hearing the applicant testified that by Order No. NSL-3869 dated September 16, 1997, it has obtained Division approval of the proposed unorthodox location for the White Wing "22" Federal Com Well No. 23 as to the Morrow interval. Applicant therefore requested that the portion of this application seeking approval of the proposed unorthodox location be dismissed.

(5) There are interest owners in the proposed proration units who have not agreed to pool their interests.

(6) To avoid the drilling of unnecessary wells, to protect correlative rights, to avoid waste, and to afford to the owner of each interest in said units the opportunity to recover or receive without unnecessary expense his just and fair share of the production in any pool completion resulting from this order, the subject application should be approved by pooling all mineral interests, whatever they may be, within said units.

(7) The applicant should be designated the operator of the subject well and units.

(8) Any non-consenting working interest owner should be afforded the opportunity to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production.

(9) Any non-consenting working interest owner who does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs plus an additional 200 percent thereof as a reasonable charge for the risk involved in the drilling of the well.

(10) Any non-consenting working interest owner should be afforded the opportunity to object to the actual well costs but actual well costs should be adopted as the reasonable well costs in the absence of such objection.

(11) Following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated costs should pay to the operator any amount that reasonable well costs exceed estimated well costs and should receive from the operator any amount that paid estimated well costs exceed reasonable well costs.

(12) \$5610.00 per month while drilling and \$663.00 per month while producing should be fixed as reasonable charges for supervision (combined fixed rates); the operator should be authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator should be authorized to withhold from production the proportionate share of actual expenditures required for operating the subject well, not in excess of what are reasonable, attributable to each non-consenting working interest.

(13) All proceeds from production from the subject well which are not disbursed for any reason should be placed in escrow to be paid to the true owner thereof upon demand and proof of ownership.

(14) Upon the failure of the operator of said pooled units to commence the drilling of the well to which said units are dedicated on or before January 15, 1998, the order pooling said units should become null and void and of no effect whatsoever.

(15) Should all the parties to this forced pooling order reach voluntary agreement subsequent to entry of this order, this order shall thereafter be of no further effect.

(16) The operator of the well and units shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the forced pooling provisions of this order.

IT IS THEREFORE ORDERED THAT:

(1) All mineral interests, whatever they may be, from the surface to the base of the Morrow formation underlying the following described acreage in Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, are hereby pooled in the following manner:

the S/2 to form a standard 320-acre gas spacing and proration unit for any and all formations and/or pools spaced on 320 acres within said vertical extent which presently includes but is not necessarily limited to the Undesignated Southeast Carlsbad-Wolfcamp Pool, Undesignated East Hackberry Hills-Canyon Gas Pool, Undesignated Northeast Sheep Draw-Strawn Gas Pool, Undesignated South Happy Valley-Atoka Gas Pool and the Undesignated Happy Valley-Morrow Gas Pool;

the SW/4 to form a standard 160-acre spacing and proration unit for any and all formations and/or pools spaced on 160 acres within said vertical extent; and,

the NE/4 SW/4 to form a standard 40-acre oil spacing and proration unit for any and all formations and/or pools spaced on 40 acres within said vertical extent.

Said units shall be dedicated to the applicant's White Wing "22" Federal Com Well No. 23 to be drilled at a previously approved unorthodox location 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22.

PROVIDED HOWEVER THAT, the operator of said units shall commence the drilling of said well on or before the 15th day of January, 1998, and shall thereafter continue the drilling of said well with due diligence to a depth sufficient to test the Morrow formation.

PROVIDED FURTHER THAT, in the event said operator does not commence the drilling of said well on or before the 15th day of January, 1998, Ordering Paragraph No. (1) of this order shall be null and void and of no effect whatsoever, unless said operator obtains a time extension from the Division Director for good cause shown.

PROVIDED FURTHER THAT, should said well not be drilled to completion, or abandonment, within 120 days after commencement thereof, said operator shall appear before the Division Director and show cause why Ordering Paragraph No. (1) of this order should not be rescinded.

(2) Louis Dreyfus Natural Gas Corporation is hereby designated the operator of the subject well and units.

(3) After the effective date of this order and within 90 days prior to commencing said well, the operator shall furnish the Division and each known working interest owner in the subject units an itemized schedule of estimated well costs.

(4) Within 30 days from the date the schedule of estimated well costs is furnished to him, any non-consenting working interest owner shall have the right to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production, and any such owner who pays his share of estimated well costs as provided above shall remain liable for operating costs but shall not be liable for risk charges.

(5) The operator shall furnish the Division and each known working interest owner an itemized schedule of actual well costs within 90 days following completion of the well; if no objection to the actual well costs is received by the Division and the Division has not objected within 45 days following receipt of said schedule, the actual well costs shall be the reasonable well costs; provided however, if there is objection to actual well costs within said 45-day period the Division will determine reasonable well costs after public notice and hearing.

(6) Within 60 days following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated well costs in advance as provided above shall pay to the operator his pro rata share of the amount that reasonable well costs exceed estimated well costs and shall receive from the operator his pro rata share of the amount that estimated well costs exceed reasonable well costs.

(7) The operator is hereby authorized to withhold the following costs and charges from production:

(A) The pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.

(B) As a charge for the risk involved in the drilling of the well, 200 percent of the pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.

(8) The operator shall distribute said costs and charges withheld from production to the parties who advanced the well costs.

(9) \$5610.00 per month while drilling and \$663.00 per month while producing are hereby fixed as reasonable charges for supervision (combined fixed rates); the operator is hereby authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator is hereby authorized to withhold from production the proportionate share of actual expenditures required for operating such well, not in excess of what are reasonable, attributable to each non-consenting working interest.

(10) Any unleased mineral interest shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for the purpose of allocating costs and charges under the terms of this order.

(11) Any well costs or charges which are to be paid out of production shall be withheld only from the working interest's share of production, and no costs or charges shall be withheld from production attributable to royalty interests.

(12) All proceeds from production from the subject well which are not disbursed for any reason shall immediately be placed in escrow in Eddy County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership; the operator shall notify the Division of the name and address of said escrow agent within 30 days from the date of first deposit with said escrow agent.

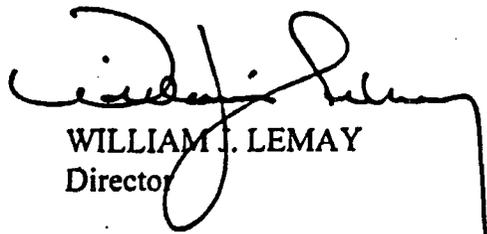
(13) Should all the parties to this forced pooling order reach voluntary agreement subsequent to entry of this order, this order shall thereafter be of no further effect.

(14) The operator of the well and units shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the forced pooling provisions of this order.

(15) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

Gene Jimer

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-104
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 5 Copies

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134		² OGRID Number 025773
		³ Reason for Filing Code RC
⁴ API Number 30-015-29833	⁵ Pool Name Happy Valley (Bone Springs)	⁶ Pool Code 96605
⁷ Property Code 21545	⁸ Property Name White Wing "22" Fed. Com.	⁹ Well Number 23

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
K	22	22S	26E		1980'	South	2635'	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	¹³ Producing Method Code	¹⁴ Gas Connection Date	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
007057	El Paso Natural Gas P.O. Box 1492 El Paso, TX 79978	2821978	G	C Sec. 22-22S-26E Custody Transfer Meter
138648	Amoco Pipeline - ICT 502 NW Avenue Levelland, TX 79336	2822168	O	K Sec. 22-22S-26E Tank Battery

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
2821979	NE SW Sec. 22-22S-26E Tank Battery

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBSD	²⁹ Perforations	³⁰ DHC, DC, MC
9/11/98 PB	9/16/98	11,850'	7865'	7745'-7752'	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 1/2"	13 3/8"	525'	600		
12 1/4"	9 5/8"	1727'	750		
8 3/4"	7"	8977'	1320		
6 1/8"	4 1/2"	11847'	375		
2 3/8" tubing		7585'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
9/16/98	9/16/98	9/16/98	20.5 hrs.	1400	
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
3/8"	47	-0-	226		F

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Terrye D. Bryant*
 Printed name: Terrye D. Bryant
 Title: Regulatory Technician
 Date: 10/5/98 Phone: (405) 749-5287

OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR
 Approved by:
 Title:
 Approval Date: 10-8-98

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

DIVISION OF INTEREST

For all depths from the surface to 10,600 feet subsurface, before payout of any interests or penalties described herein:

United States of America		.1250000 RI
Heirs or Devisees of Buck Russell and wife, Emma T. Russell, both deceased		.0030000 PPI
Hanson-McBride Petroleum Company		.0135000 PPI
Paul Slayton, whose wife is Patricia Slayton		.0135000 PPI
Paul Slayton, whose wife is Patricia Slayton		.0062500 ORI
Fisco, Inc.		.0062500 ORI
Marshall & Winston, Inc.		.0075000 ORI
Fasken Land and Minerals, Ltd.	(21.5715% x .095)	.0204929 ORI
Tom Brown, Inc.		.0021875 ORI
Charles B. Read	(3.31473% x .845) plus (3.0% x .8104588)	.0523232 WI
Norman L. Stevens, whose wife is Dolores B. Stevens	(3.31473% x .845)	.0280095 WI
Stanley Tyler, Agent	(1.60417% x .845)	.0135552 WI
Paul Ray, whose wife is Sarah Ray	(.45833% x .845)	.0038729 WI
S. P. Yates, whose wife is Estelle Yates	(.42535% x .845)	.0035942 WI
Sharbro Oil Ltd. Co., a New Mexico Limited Liability Company	(.21268% x .845)	.0017971 WI
Frank Yates, Jr., S. P. Yates and B. W. Harper, personal representatives of the Estate of Lillie M. Yates	(.21268% x .845)	.0017971 WI
Texaco Exploration and Production Inc.	Force Pooled	-0-
Union Pacific Resources Company	Force Pooled	-0-
Brooks Oil & Gas Interests, a Texas General Partnership	(.4421% x .845)	.0037358 WI
Chi Energy, Inc.	9.0% x .8104588	.0729413 WI
Great Western Drilling Company	25.0% x .8104588	.2026147 WI

H:\DOCS\262573\AGH9.ODO

Louis Dreyfus Natural Gas Corp.	27.23458% x .8104588 plus 21.5715% x .75 plus 4.20914% x .845	.4180786 WI
---------------------------------	---	-------------



Louis Dreyfus Natural Gas

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com
Land Fax 405-749-6662

June 14, 1999

Chi Energy, Inc.
P.O. Box 1799
Midland, Texas 79702

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond
District Landman

JWH/eeo
Certified Mail

June 14, 1999

Charles B. Read
P.O. Box 1518
Roswell, NM 88202

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

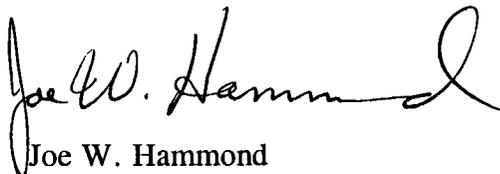
Dear Mr. Read:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eeo
Certified Mail



14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com
Land Fax 405-749-6662

June 14, 1999

Stanley Tyler, Agent
2973 109th Avenue N.W.
Coon Rapids, NM 55433-3816

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Dear Mr. Tyler:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recompleat the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond
District Landman

JWH/eo
Certified Mail



14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com
Land Fax 405-749-6662

June 14, 1999

Great Western Drilling
P.O. Box 1659
Midland, TX 79702

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond
District Landman

JWH/eeo
Certified Mail

June 14, 1999

Norman L. Stevens, Jr.
P.O. Box 1
Hondo, NM 88336-0001

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

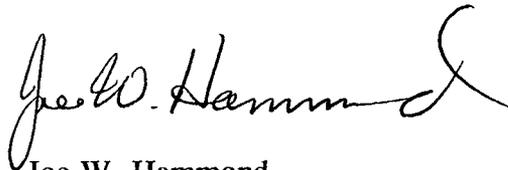
Dear Mr. Stevens:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eeo
Certified Mail

June 14, 1999

S.P. Yates
c/o Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Dear Mr. Yates:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eoo
Certified Mail

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com

Land Fax 405-749-6662

 Louis Dreyfus Natural Gas

June 14, 1999

Brooks Oil & Gas Interests
9550 Skillman, Suite 400
LB-138
Dallas, TX 75243

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eo
Certified Mail

June 14, 1999

Paul Ray
301 Commerce, Suite 2300
Fort Worth, TX 76102

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

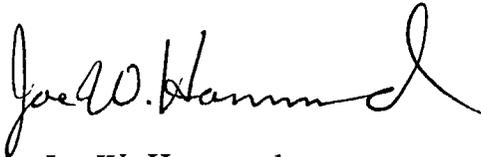
Dear Mr. Ray:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplate the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOC D rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eoo
Certified Mail

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com
Land Fax 405-749-6662

 Louis Dreyfus Natural Gas

June 14, 1999

Sharbro Oil Ltd.
f/a/o Estate of Lillie M. Yates
105 South Fourth Street
Artesia, NM 88210

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

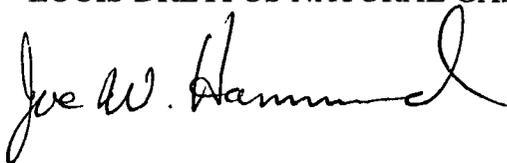
Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eoo
Certified Mail



14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com

Land Fax 405-749-6662

June 14, 1999

Sharbro Oil Ltd.
207 South Fourth Street
Artesia, NM 88210

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond
District Landman

JWH/eoo
Certified Mail



Louis Dreyfus Natural Gas

14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com
Land Fax 405-749-6662

June 14, 1999

Fasken Oil & Ranch Limited
300 West Wall, Suite 1900
Midland, TX 79701

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond
District Landman

JWH/eeo
Certified Mail

June 14, 1999

Texaco Exploration and Production Co.
P.O. Box 45613
Denver, CO 80201

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.



Joe W. Hammond
District Landman

JWH/eoo
Certified Mail



14000 Quail Springs Parkway
Suite 600
Oklahoma City, Oklahoma
73134-2600

Telephone 405 749-1300
www.ldng.com
Land Fax 405-749-6662

June 14, 1999

Union Pacific Oil & Gas Company
P.O. Box 7
Fort Worth, TX 76101

RE: White Wing "22" Fed Com #23
2635' FWL & 1980' FSL
Section 22-22S-26E
Eddy County, New Mexico

Gentlemen:

By previous letter dated April 30, 1999, Louis Dreyfus Natural Gas Corp. requested administrative approval to recomplete the above well to the Bonespring formation. Louis Dreyfus would like to include the Delaware formation in the application at this time. Therefore pursuant to NMOCD rules, notice is hereby given that the location is unorthodox for the Bonespring and Delaware formations and administrative approval has been requested.

Should your company have any objection, it must be filed within twenty days from the date hereof.

Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

A handwritten signature in cursive script that reads "Joe W. Hammond".

Joe W. Hammond
District Landman

JWH/eo
Certified Mail



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

September 16, 1997

Louis Dreyfus Natural Gas Corporation
c/o James Bruce
P. O. Box 1056
Santa Fe, New Mexico

Administrative Order NSL-3869

Dear Mr. Bruce:

Reference is made to your application on behalf of the operator, Louis Dreyfus Natural Gas Corporation, dated August 19, 1997 for an unorthodox gas well location in the Undesignated Happy Valley-Morrow Gas Pool for the proposed White Wing "22" Fed. Com. Well No. 23 (API No. 30-015-29833). Said well to be drilled 1980 feet from the South line and 2635 feet from the West line (Unit K) of Section 22, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico. The S/2 of said Section 22 being a standard 320-acre gas spacing and proration unit for said pool is to be dedicated to said well.

The application has been duly filed under the provisions of Rule 104.F of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

By the authority granted me under the provisions of Division General Rule 104.F(2), the above-described unorthodox gas well location is hereby approved.

Sincerely,

William J. LeMay
Director

WJL/MES/kv

cc: New Mexico Oil Conservation Division - Artesia
U. S. Bureau of Land Management - Carlsbad
Louis Dreyfus Natural Gas Corporation (Attn: Jay M. Gabbard) - Oklahoma City, Oklahoma

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

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

5F

Form C-104
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 5 Copies
 AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134		² OGRID Number 025773
		³ Reason for Filing Code RC
⁴ API Number 30-015-99833	⁵ Pool Name Happy Valley (Bone Springs) Southeast	⁶ Pool Code 96605
⁷ Property Code 21545	⁸ Property Name White Wing "22" Fed. Com.	⁹ Well Number 23

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
K	22	22S	26E		1980'	South	2635'	West	Eddy

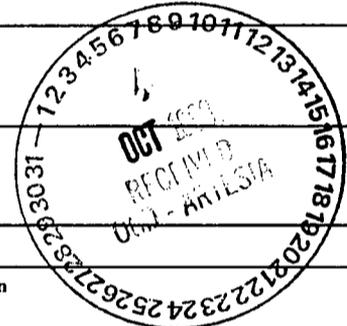
¹¹ Bottom Hole Location

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	¹³ Producing Method Code	¹⁴ Gas Connection Date	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
007057	El Paso Natural Gas P.O. Box 1492 El Paso, TX 79978	2821978	G	C Sec. 22-22S-26E Custody Transfer Meter
138648	Amoco Pipeline - ICT 502 NW Avenue Levelland, TX 79336	2822168	O	K Sec. 22-22S-26E Tank Battery



IV. Produced Water

²³ POD 2821979	²⁴ POD ULSTR Location and Description NE SW Sec. 22-22S-26E Tank Battery
------------------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTB	²⁹ Perforations	³⁰ DHC, DC, MC
9/11/98 PB	9/16/98	11,850'	7865'	7745'-7752'	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 1/2"	13 3/8"	525'	600		
12 1/4"	9 5/8"	1727'	750		
8 3/4"	7"	8977'	1320		
6 1/8"	4 1/2"	11847'	375		
2 3/8" tubing		7585'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
9/16/98	9/16/98	9/16/98	20.5 hrs.	1400	
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
3/8"	47	-0-	226		F

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Terrye D. Bryant*

Printed name: Terrye D. Bryant

Title: Regulatory Technician

Date: 10/5/98 Phone: (405) 749-5287

OIL CONSERVATION DIVISION

Approved by: *Jim W. Gunn B & A*

Title: *District Supervisor*

Approval Date: 10-8-98

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

WHITE WING 22 FED COM 23

Happy Valley (Bone Spring) Plug Back continued:

31.	9442'-9458'	16'	16 holes	4 1/2" RBP set @ 9,400' w/5' sand on RBP.
	9407'-9418'	11'	11 holes	
	9378'-9384'	6'	3 holes	
	9367'-9360'	2'	2 holes	
	9337'-9339'	2'	2 holes	
	9326'-9329'	3'	3 holes	
	9304'-9313'	7'	7 holes	
	9294'-9296'	2'	2 holes	
	9285'-9287'	2'	2 holes	
	9280'-9282'	2'	2 holes	
	9258'-9260'	2'	2 holes	
	9248'-9250'	2'	2 holes	CIBP @ 7900' w/35' cement on top.
	7745'-7747'	2'	4 holes	
	7749'-7752'	3'	6 holes	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Co. 11514
1 S. 1st Street
Artesia, NM 87002-2934

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Louis Dreyfus Natural Gas Corp.

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

3b. Phone No. (include area code)
(405) 749-5287

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL & 2635' FWL Sec. 22-22S-26E

5. Lease Serial No.
LC-064490

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
White Wing "22" Fed Com #23

9. API Well No.
30-D15-29833

10. Field and Pool, or Exploratory Area
Happy Valley (Wolfcamp)
Happy Valley (Morrow)

11. County or Parish, State

Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Perf csg. 11,402'-11,408', 6', 6 holes; 11,430'-11,440', 10', 8 holes. Acidized w/3,024 gals. 7 1/2% acid w/corrosion inhibitor, tension reducer, surfactant, emulsifier & foaming agent; 131,000 scf N2; 10 ball sealers.

CIBP set @ 9,600' w/35' cement on plug. PBT 9,565'.

Perf. 9,442'-9,458', 16', 16 holes; 9,407'-9,418', 11', 11 holes. Acidized w/4,000 gal. 15% HCL w/iron control, tension reducer, inhibitor w/41 ball sealers.

RBP set @ 9,400', dumped 5' sand on top. Perfed 9,378'-9,384', 6', 3 holes; 9,367'-9,369', 2', 2 holes; 9,337'-9,339', 2', 2 holes; 9,326'-9,329', 3', 3 holes; 9,304'-9,313', 7', 7 holes; 9,294'-9,296', 2', 2 holes; 9,285'-9,287', 2', 2 holes; 9,280'-9,282', 2', 2 holes; 9,258'-9,260', 2', 2 holes; 9,248'-9,250', 2', 2 holes. Acidized w/5,000 gal. HIC acid w/iron control, tension reducer, non-emulsifier, corrosion inhibitor, w/50 baal sealers.

ACCEPTED FOR RECORD

OCT 21 1998

(ORIG. SGD.) LES BABYAK

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terrye D. Bryant

Signature

Terrye D. Bryant

Title

Regulatory Technician

Date

Sept. 14, 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Louis Dreyfus Natural Gas Corp.

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

3b. Phone No. (include area code)
 (405) 749-5287

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1980' FSL & 2635' FWL Sec. 22-22S-26E

5. Lease Serial No.
 LC-064490

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
 White Wing "22" Fed Com #23

9. API Well No.
 30-015-29823

10. Field and Pool, or Exploratory Area
 Happy Valley (Morrow)

11. County or Parish, State
 Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Casing ran</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Drilled 6 1/8" hole to 11,850'. Sat 4 1/2" 13.04# S-95, STL R 3 flushline casing @ 11,847', top of liner 8759'. Used centralizers middle of shoe joint, middle of 2nd thru 18th joints, 20th, 27th, 63rd joints (total 20). Cemented 11/18/97 with 375 sxs. Cl. H @ 15.6#/gal. Yield 1.2/2 gal/ per sack; D600 (gas block); .02 gal./sx. M-45 (anti-foam); 3% salt by weight of water; 5% D800 (retarder) by weight of cement. Perfed csg. 11,661'-11,664', 3', 13 holes; 11,667'-11,671', 4', 17 holes; 11,674'-11,676', 2', 9 holes; 11,716'-11,719', 3', 6 holes. Acidized w/2,000 gal. 7 1/2" acid w/iron & clay controls, corrosion inhibitor, surfactant, tension reducer, 70 ball seals, methanol to replace water; 182,000 scf nitrogen. Fraced w/35,020# proppant, 58,000 gal 30% CO2 Medallion 4000. Set retainer @ 11,614', test csg. to 1000#. Establish injection rate @ 2 BPM @ 2,475#, squeeze perf. with 125 sxs. Cl. H w/15% retarder flush w/35 bbl 2% KCl water. Tbg. pressure @3,800# @ 1/4 BPM.

ACCEPTED FOR RECORD
 OCT 21 1998
 JONIG, SCD, LES BABYAK
 507

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Terrye D. Bryant Title Regulatory Technician

Signature *Terrye D. Bryant* Date September 11, 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

1 S.
Tosola, NM

5. Lease Serial No.
LC-064490

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
White Wing "22" Fed Com #23

9. API Well No.
30-015-29823

10. Field and Pool, or Exploratory Area
Happy Valley (Morrow)

11. County or Parish, State
Eddy County, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on reverse side

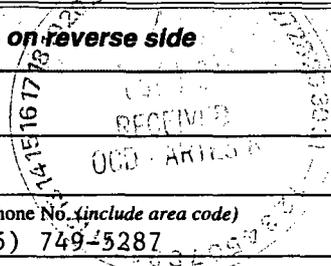
1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Louis Dreyfus Natural Gas Corp.

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

3b. Phone No. (include area code)
(405) 749-5287

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 2635' FWL Sec. 22-22S-26E



12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Other Spud, casing set
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Set 20" conductor pipe and cemented to surface. Spud 17 1/2" hole @ 11:00 a.m 9/30/97. Drilled 17 1/2" hole to 525'. Ran 13 3/8" 54.5# J55, ST&C casing to 525'. Centralizers used in middle of shoe joint, 3, 5, & 7th collars. Cemented 10/2/97 w/600 sxs. Cl. C w/2% calcium chloride (S-1). Circulated 276 sxs. to surface. Drilled 12 1/4" hole to 1730', ran 9 5/8" 36# J-55, L&TC casing to 1727. Centralizers used in middle of shoe and every 5th joint thereafter. Cemented 10/6/97 with lead of 500 sxs. Cl. C + 4% D 20 (gel) + 2% S1 (cc) at 13.7 lb/gal., yield 1.67. Tail of 250 sxs. Cl. C + 2% S1 (cc) at 14.8 lb/gal. yield 1.32. Pumped 67 sxs. to surface. Drilled 8 3/4" hole to 8995'. Ran 7" 26# & 23# S-95, R 3 casing to 8977'. DV tool set @ 3959'. Cemented 10/25/97, 1st stage 700 sxs. Self-Stress cement w/2#/sk. CelloFlake, 2% Defoamer, 5#/sk. Colite, 3% E-59. Mixed @ 14.8 ppg, yield 1.83 cu. ft./sk. Opened DV tool and circulated 120 sx. to reserve pit thru DV tool. Cemented 2nd stage w/420 sxs. 35/65 POZ-MIX cement w/6% gel, 25#/sk. CelloFlake, mixed @ 13.2 ppg, yield 1.75 cu. ft./sk. Tailed in with 200 sxs. Cl. C w/2% CaCl, 25#/sk. CelloFlake mixed @ 14.8 ppg, yield 1.32 cu. ft./sk. Circulated 122 sxs. to reserve pit.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Terrye D. Bryant

Signature
Terrye D. Bryant

Title
Regulatory Technician

Date
September 11, 1998

ACCEPTED FOR RECORD
OCT 21 1998
DRG SCD LES BABYAK

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

M. Oil Cons. Division
1 S. 1st Street
Artesia, NM 87002

20-2834
FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

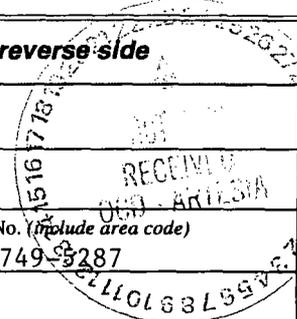
51

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. LC-064490
2. Name of Operator Louis Dreyfus Natural Gas Corp.		6. If Indian, Allottee or Tribe Name
3a. Address 14000 Quail Springs Parkway Suite 600, Oklahoma City, OK 73134	3b. Phone No. (include area code) (405) 749-5287	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 2635' FWL Sec. 22-22S-26E		8. Well Name and No. White Wing "22" Fed Com #23
		9. API Well No. 30-015-29833
		10. Field and Pool, or Exploratory Area Happy Valley (Morrow)
		11. County or Parish, State Eddy County, New Mexico



12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Off lease measurement</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Louis Dreyfus Natural Gas Corp. requests approval to transport and off lease measure the gas produced from this well. The El Paso meter for this well is 3/4 mile NE of location.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Terrye D. Bryant		Title Regulatory Technician
Signature <i>Terrye D. Bryant</i>		Date Sept. 11, 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) LES BABYAK	Title PETROLEUM ENGINEER	Date OCT 21 1998
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

M. Oil Corp. Division
1 S. 1st Street
Artesia, NM 87003-2834

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SF

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. LC-064490
2. Name of Operator Louis Dreyfus Natural Gas Corp.		6. If Indian, Allottee or Tribe Name
3a. Address 14000 Quail Springs Parkway Suite 600, Oklahoma City, OK 73134	3b. Phone No. (include area code) (405) 749-5287	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 2635' FWL Sec. 22-22S-26E		8. Well Name and No. White Wing "22" Fed. Com #23
		9. API Well No. 31-115-29833
		10. Field and Pool, or Exploratory Area Happy Valley (Wolfcamp)
		11. County or Parish, State Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

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Louis Dreyfus Natural Gas Corp. requests approval to truck the water to a public salt water disposal well. The well has a water tank in which the water is held until trucked.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Terrye D. Bryant	Title Regulatory Technician
Signature <i>Terrye D. Bryant</i>	Date Sept. 11, 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) LES BABYAK	Title PETROLEUM ENGINEER	Date OCT 21 1998
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SF

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. LC-064490
2. Name of Operator Louis Dreyfus Natural Gas Corp.		6. If Indian, Allottee or Tribe Name
3a. Address 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134	3b. Phone No. (include area code) (405) 749-5287	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 2635' FWL Sec. 22-22S-26E		8. Well Name and No. White Wing "22" Fed Com #23
		9. API Well No. 30-115-29833
		10. Field and Pool, or Exploratory Area Happy Valley (Bone Springs)
		11. County or Parish, State Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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1. RU DDU and install H2S safety equipment.
2. Kill well with 2% KCl water. Remove tree and install BOP's.
3. Pull tubing and packer.
4. Wire line set CIBP @ 7900' and dump 35' of cement on top.
5. Pressure test casing to 1500 psi.
6. RU lubricator and perforate Bone Springs from 7745'-7747' with two (2) holes per foot and from 7749'-7752' with two (2) holes per foot. Depths from CNL/LDT dated 11/15/97.
7. Run retrievable production packer on 2 7/8" tubing to 7752'. Spot acid with 3 bbls. outside of tubing.
8. Pull tubing above perfs and set packer at 7600'.
9. Remove BOP's and install tree.
10. Acidize down tubing with 2000 gals. 15% NEFE HCl acid. Estimated treating pressure 3300 psi @ 5 BPM. Divert acid w/20 7/8" RCN ball sealers. Flush w/2% KCl water.
11. Swab, test and put on production.

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Terrye D. Bryant	Title Regulatory Technician
Signature 	Date August 31, 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) DAVID R. GLASS	Title PETROLEUM ENGINEER	Date SEP 09 1998
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SF

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Oil Corp. D
1 S. 1st Street
Artesia, NM 88210

5. Lease Serial No.
LC 064490

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

8. Well Name and No.
White Wing "22" Fed Com #23

9. API Well No.
30-015-29823

10. Field and Pool, or Exploratory Area
Happy Valley (Wolfcamp)

11. County or Parish, State
Eddy County, New Mexico

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Louis Dreyfus Natural Gas Corp.

3a. Address 14000 Quail Springs Parkway #600, Oklahoma City, OK 73134

3b. Phone No. (include area code)
(405) 749-5287

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 2635' FWL Sec. 22-22S-26E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1. RU completion unit. Install H2S safety equipment.
2. Kill well with 2% KCl water. Remove tree and install BOP's.
3. Pull tubing and packer.
4. Wireline set CIBP at 9600' and dump 35' of cement on top.
5. Pressure test casing to 1500 psi.
6. RU lubricator and perforate Wolfcamp with 3 1/8" casing gun with 1 spf from: 9442'-9458', 16 ft. 16 holes; 9407'-9418, 11 ft. 11 holes; total 27 ft., 27 holes.
7. PU packer. PIH with packer and tubing to set packer at ±9350'. Acidize perfs at 4-6 bpm with 4,000 gallons 15% HCl acid and 41 ballsealers. Flush acid with 2% KCl water. Recover load and test.
8. Unseat packer and POOH with packer and tubing.
9. If zone is non-productive, PU & RIH with wireline and set CIBP at 9400'. Dump bail 5 sacks of cement on CIBP. If zone is productive, PU & RIH with wireline, set RBP w/Ball Catcher. Set RBP at 9400'.
10. ~~Pressure test plug to 1500 psi.~~

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Terrye D. Bryant	Title Regulatory Technician
Signature 	Date 8/31/98

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) DAVID R. GLASS	Title PETROLEUM ENGINEER	Date SEP 09 1998
--	-----------------------------	---------------------

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5F

5. LEASE DESIGNATION AND SERIAL NO.

LC-064490

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Oil Corp. Division

b. TYPE OF COMPLETION: NEW WELL WORK OVER REPAIR PLUG BACK DIFF. RENVR. Other 811 S. 1st Street

2. NAME OF OPERATOR
Louis Dreyfus Natural Gas Corp.

3. ADDRESS AND TELEPHONE NO.
14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FSL & 2635' FWL Sec. 22-22S-26E
At top prod. interval reported below
At total depth

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
White Wing 22 Fed. Com. 25

9. API WELL NO.
30-015-29832

10. FIELD AND POOL, OR WILDCAT
Happy Valley (Wolfcamp)

11. SEC., T., R. M., OR BLOCK AND SURVEY OR AREA
Sec. 22-T22S-R26E

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH
Eddy
13. STATE
NM

15. DATE SPUNDED 9/30/97
16. DATE T.D. REACHED 5/09/98
17. DATE COMPL. (Ready to prod.) 5/17/98
18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 3349' GL
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,850'
21. PLUG, BACK T.D., MD & TVD 9,400'
22. IF MULTIPLE COMPL., HOW MANY? N/A
23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9,250' - 9384' Happy Valley (Wolfcamp)

26. TYPE ELECTRIC AND OTHER LOGS RUN
None
27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	J-55, 50#	525'	17 1/2"	Surface - 600 sx.	-0-
9 5/8"	J-55, 36#	1727'	12 1/4"	Surface - 750 sx.	-0-
7"	S-95, 26#	8977'	8 3/4"	Surface - 1320 sx.	-0-

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	8759'	11847'	375		2 3/8"	9,184'	9,184'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	HOLES	REMARKS	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
11661'-11664'	3	13 holes Retainer @ 11614'	9407'-9418'	4,000 gal. 15% HCL, 41 ball sealers	
11667'-11671'	4	17 holes squeeze perfs. w/	9442'-9458'	sealers	
11674'-11676'	2	9 holes 125 sx Cl. H cmt.	9250'-9384'	5,000 gal. 15% HIC acid, 50 ball sealers	
11716'-11719'	3	6 holes 4 1/2" - 13#			
11402'-11408'	6	6 holes CIBP @ 9600' w/			
11430'-11440'	10	8 holes 35' cmt. on top			

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5/17/98		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/18/98	24	1/4"	→	-0-	64	14	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
475		→	-0-	64	14		

34. DISPOSITION OF CAG (Sold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Terry L. Boyer TITLE Regulatory Technician DATE 8/26/98

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
SEP 09 1998

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Lower Morrow Sands	11,661'	11,719'	Gas & water
Middle Morrow Sands	11,402'	11,440'	Gas
Wolfcamp Lime-stone	9,407'	9,458'	Gas

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	2150'	
Bone Spring	5090'	
Wolfcamp	8657'	
Strawn	10233'	
Atoka	10534'	
Morrow Clastics	11213'	
Lower Morrow	11539'	

11:37
11:37

WHITE WING 22 FED COM. 23

Happy Valley (Wolfcamp) Plug Back continued:

31.

9,442'-9,458'	16'	16 holes	4 1/2" RBP set
9,407'-9,418'	11'	11 holes	@ 9,400' w/5'
9,378'-9,384'	6'	3 holes	sand on RBP.
9,367'-9,369'	2'	2 holes	
9,337'-9,339'	2'	2 holes	
9,326'-9,329'	3'	3 holes	
9,304'-9,313'	7'	7 holes	
9,294'-9,296'	2'	2 holes	
9,285'-9,287'	2'	2 holes	
9,280'-9,282'	2'	2 holes	
9,258'-9,260'	2'	2 holes	
9,248'-9,250'	2'	2 holes	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

LC-064490

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
White Wing "22" Fed. Com. 2

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT

Happy Valley Morrow
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22-T22S-R26E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

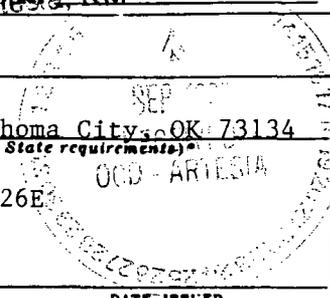
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR.
11 S. 1st Street
Artesia, NM 87002-2834

2. NAME OF OPERATOR
Louis Dreyfus Natural Gas Corp.

3. ADDRESS AND TELEPHONE NO.
14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FSL & 2635' FWL Sec. 22-22S-26E
At top prod. interval reported below
At total depth



Will not copy Report

14. PERMIT NO. DATE ISSUED
8/25/97

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD
9/30/97 11/16/97 3/5/98 3349' GL

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS
11,850' 11,808' N/A Yes

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
11,402' - 11,408' Happy Valley Morrow
11,430' - 11,440' No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED
Three Detector Litho-Density/Comp. Neutron, Azimuthal Laterlog Micro-CFL/GR Yes

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	J-55, 50#	525'	17 1/2"	Surface - 600 sx.	-0-
9 5/8"	J-55, 36#	1727'	12 1/4"	Surface - 750 sx.	-0-
7"	S-95, 26#	8977'	8 3/4"	Surface - 1320 sx.	-0-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	8759'	11847'	375		2 3/8"	11,177'	11,177'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	NUMBER	REMARKS	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11,661-11,664'	3'	13 holes	Retainer @	11661-11664'	2000 gals. 7 1/2% acid, 70
11,667-11,661'	4'	17 holes	11,614',	11667-11671'	ball seals, 182,000 scf N2
11,674-11,676'	2'	9 holes	squeeze	11674-11676'	Pumped 35020# proppant,
11,716-11,719'	3'	6 holes	perfs. w/ 125 sx C1 H	11716-11719'	58,000 gal. 30% CO2 Medallian

33. PRODUCTION 4000
DATE FIRST PRODUCTION 3/5/98 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

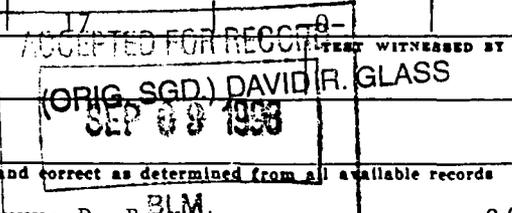
DATE OF TEST 3/7/98 HOURS TESTED 24 CHOKER SIZE PROD'M. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
-0- 17 -0- N/A

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
375 -0-

34. DISPOSITION OF C&E (Sold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS
Driller's Log, logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Terry D. Bryant TITLE Terry D. Bryant DATE 8/14/98



*(See Instructions and Spaces for Additional Data on Reverse Side)

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Lower Morrow Sands	11,661'	11,719'	Gas & water	Delaware	2150'	
Middle Morrow Sands	11,402'	11,440'	Gas	Bone Spring	5090'	
Wolfcamp Limestone	9,407'	9,458'	Gas	Wolfcamp	8657'	
				Strawn	10233'	
				Atoka	10534'	
				Morrow Clastics	11213'	
				Lower Morrow	11539'	

38.

GEOLOGIC MARKERS

RECEIVED

1940 SEP - 1 - 11: 36

MISSOURI GEOLOGICAL SURVEY
JOSWELL OFFICE

LOUIS DREYFUS NATURAL GAS CORP.
WHITE WING "22" FED. COM #23 continued

31.	11,402-11,408'	6'	6 holes	32.	11,402-11,408'	Acidize w/3,024 gals.
	11,430-11,440'	10'	8 holes		11,430-11,440'	acid; 131,000 scf N2; 10 ball sealers

Well Name and Number: White Wing 22 Fed Com #23

Location: Sec. 22, T22S, R26E, Eddy County, NM

Operator: Louis Dreyfus Natural Gas Company

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
1 225	3/4 6449	
2 1/4 528	3/4 6945	
3 1/2 741	1 3/4 7273	
4 1/4 986	1 3/4 7801	
3 3/4 1220	1 8336	
3 1/4 1315	1 3/4 9000	
1 3/4 1730	2 9509	
1 1/4 1975	1/4 10859	
1 1/4 3992	3/4 10167	
1 1/2 4488	1/4 10859	
2 4988	1 11190	
1/2 5478	1/4 11700	
1/4 5978	3/4 11850	

Drilling Contractor: McVay Drilling Company

By: Joe Kegan

Subscribed and sworn to before me this 16th day of November, 1997.

Steve Fleming
Notary Public

My Commission Expires: 9-16-2001

Lea County, New Mexico

N. M. Oil Cons. Division
811 S. 1ST ST.

Form 3160-3
(July 1992)

ARTESIA, NM 88206-2894 **TRIPPLICATE***

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR *7/23/97 JP*
BUREAU OF LAND MANAGEMENT *7-23-97 RAM*

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL DEEPEN

b. TYPE OF WELL
OIL WELL GAS WELL OTHER _____
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
LOUIS DREYFUS NATURAL GAS CORPORATION (KENT SAM'S) *25773*

3. ADDRESS AND TELEPHONE NO.
14000 QUAIL SPRINGS PARKWAY SUITE 600 OKLAHOMA CITY, OK 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1980' FSL & 2635' FWL SEC. 22 T22S-R26E EDDY CO. NM
At proposed prod. zone SAME *UNORTHODOX LOCATION*
SUBJECT TO LIKE APPROVAL BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 1 mile West of Carlsbad New Mexico.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) *660'*

16. NO. OF ACRES IN LEASE
1520

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. *1010'*

19. PROPOSED DEPTH
11,800'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3349' GR.

22. APPROX. DATE WORK WILL START*
As soon as approved

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor 20"	NA	40'	Cement to surface with Redi-mix
17 1/2"	J-55 13 3/8"	54.5	500'	400 Sx. Circulate to surface
12 1/2"	K-55 9 5/8"	36	1700'	900 Sx. Circulate to surface
8 3/4"	S-95 7"	26	9000'	980 Sx. Est top of cement 1500
6 1/8"	S-95 4 1/2"	13.5	11,800'	175 Sx. Est top of cement 9000

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

SEE ATTACHED SHEET

CARLSBAD CONTROLLED WATER BASIN

Parted ID-1
NI-CAP I
9-19-97
BUREAU OF LAND MGMT.
ROSWELL OFFICE
1997 JUL 23 A 9:04
RECEIVED
acc 8/25/97

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Joe T. Janice* TITLE Agent DATE 07/22/97

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY _____ TITLE _____ DATE *8-27-97*

*See Instructions On Reverse Side

Department of the Interior

SF

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. 10-2834
311 S. 1st
Artesia, NM

Division

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Louis Dreyfus Natural Gas

3. Address and Telephone No.
1400 Quail Springs Pkwy., Suite 600 Oklahoma City, OK 73134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1980' FSL & 2635' FWL
 Section 22, T22S, R26E**

5. Lease Designation and Serial No.
LC064490

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Whitewing "22" Fed Com

9. API Well No.
3001529833

10. Field and Pool, or Exploratory Area
Happy Valley

11. County or Parish, State
Eddy County, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other H2S Report
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In compliance with ONSHORE ORDER NO. 6, this well does not produce (H2S) Hydrogen Sulfide Gas.

ACCEPTED FOR RECORD
 (ORIG. SGD) DAVID R. GLASS
 JUN 04 1998
 BLM

RECEIVED
 JUN 29 10:34 AM

14. I hereby certify that the foregoing is true and correct

Signed *David R. Glass* Title Environmental & Safety Director Date 5-26-98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

LOUIS DREYFUS NATURAL GAS CORP.
WHITE WING "22" FEDERAL COM. #23
UNIT "K" SECTION 22
T22S-R26E EDDY CO. NM

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 500'. Run and set 500' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 400 Sx. of Class "C" + 2% CaCl, circulate cement to surface.
3. Drill 12½" hole to 1700'. Run and set 1700' of 9 5/8" 36# K-55 ST&C casing. Cement with 650 Sx. of Class "C" cement + 4% Gel + 2% CaCl, circulate cement to surface.
4. Drill 8 3/4" hole to 9000'. Run and set 9000' of 7" 26# S-95 8-R LT&C casing. Cement in two stages, DV tool at 4000' ±. Cement 1st stage with 500 Sx. Self Stress (10/10) 2% CaCl + ¼# flocele/Sx + 2% Defoamer. Cement 2nd stage with 180 Sx. 65/35 POZ Class "C" + 6% Gel + ¼# flocele/Sx. , tail in with 300 Sx. Self Stress (10/10) + 2% CaCl + ¼# flocele/Sx. + 2% defoamer. Est. top of cement 1500'.
5. Drill 6 1/8" hole to 11,800'. Run and set a 4½" 13.5# S-95 FL4S liner from 8800' to TD 11,800' (3000'). Cement with 175 Sx. Class "H" + .4% D-156 + .4% D-65 + .2% D-800 + .2% D-46.

orig.

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-102
 Revised February 10, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-215-29833		Pool Code 78060	Pool Name HAPPY VALLEY - MORROW
Property Code	Property Name WHITE WING 22 FEDERAL		Well Number 23
OGZID No. 25773	Operator Name LOUIS DREYFUS NATURAL GAS CORP.		Elevation 3349.

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	22	22-S	26-E		1980	SOUTH	2635	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

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

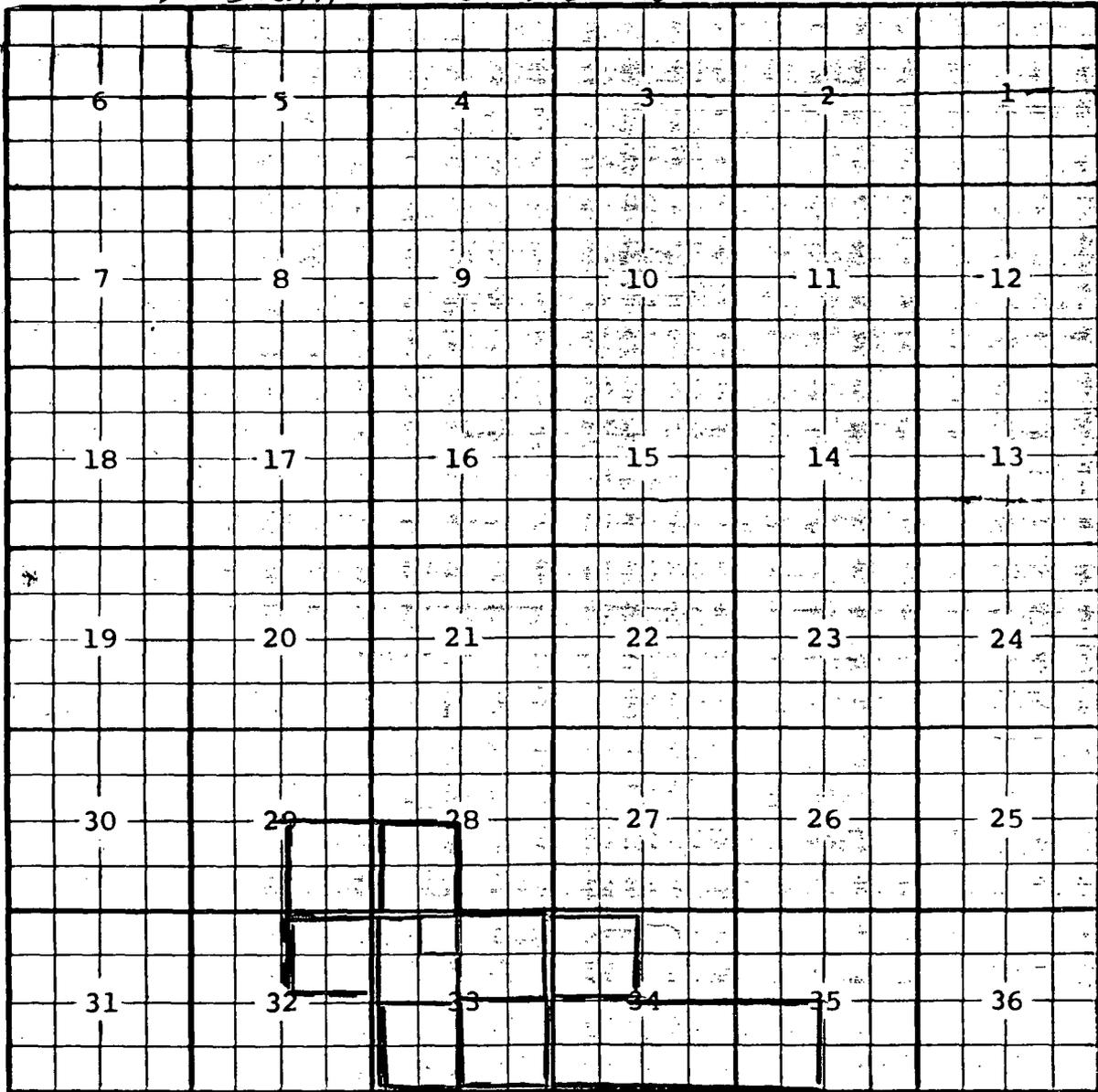
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Gene Simer</i> Signature Gene Simer Printed Name Production Foreman Title July 14, 1997 Date	
	¹⁸ 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. JULY 11, 1997 Date of Survey Signature and Seal of Professional Surveyor: Certificate Number 5312 DAN R. REDDY NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR	

County Eddy Pool Happy Valley - Delaware

TOWNSHIP 22 South Range 26 East NMPM



Descriptions NE¹/₄ NW¹/₄ Sec. 33 (R-9837, 1-27-93)

Ext: NW¹/₄ NW¹/₄ and S¹/₂ NW¹/₄ Sec. 33 (R-9963, 9-20-93)

Ext: SW¹/₄ Sec. 28, NE¹/₄ Sec. 33 (R-10124, 5-31-94) Ext: SW¹/₄ Sec. 33 (R-10343, 4-24-95)

Ext: NE¹/₄ Sec. 32 (R-10591, 5-8-96) Ext: SE¹/₄ Sec. 29 (R-10642, 8-19-96)

Ext: SE¹/₄ Sec. 33, NW¹/₄ Sec. 34 (R-10787, 4-9-97) Ext: S¹/₂ Sec. 34, SW¹/₄ Sec. 35 (R-11160, 4-7-99)

CMD : ONGARD 07/01/99 08:53:45
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPNC
 Page No: 1

OGRID Identifier : 25773 LOUIS DREYFUS NATURAL GAS CORP.
 Pool Identifier : 96605 WILDCAT HAPPY VALLEY; B.S., SE.
 API Well No : 30 15 29833 Report Period - From : 09 1998 To : 06 1999

API Well No	Property Name	Prodn. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30 15 29833	WHITE WING 22 FEDERA	09 98	16	3683	568	96	F
30 15 29833	WHITE WING 22 FEDERA	10 98	26	2590	264	3	F
30 15 29833	WHITE WING 22 FEDERA	11 98	30	566	128		F
30 15 29833	WHITE WING 22 FEDERA	12 98	7		14		F
30 15 29833	WHITE WING 22 FEDERA	01 99	20	1075	78	72	F
30 15 29833	WHITE WING 22 FEDERA	02 99	28	1817	73		F
30 15 29833	WHITE WING 22 FEDERA	03 99	31	1574	70		F

Reporting Period Total (Gas, Oil) : 12525 1262 176

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 07/01/99 08:54:11
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPNÇ
 Page No: 2

OGRID Identifier : 25773 LOUIS DREYFUS NATURAL GAS CORP.
 Pool Identifier : 96605 WILDCAT HAPPY VALLEY; B.S., SE.
 API Well No : 30 15 29833 Report Period - From : 09 1998 To : 06 1999

API Well No	Property Name	Prodn. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30 15 29833	WHITE WING 22 FEDERA	04 99	30	1220	67	5	F

Reporting Period Total (Gas, Oil) : 12525 1262 176

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 07/01/99 08:55:39
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPNC
 Page No: 1

OGRID Identifier : 25773 LOUIS DREYFUS NATURAL GAS CORP.
 Pool Identifier : 96605 WILDCAT HAPPY VALLEY; B.S., SE.
 API Well No : 30 15 29833 Report Period - From : 01 1998 To : 12 1999

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 15 29833	WHITE WING 22 FEDERA	05 98 13		371 F
30 15 29833	WHITE WING 22 FEDERA	06 98 1	62	2 F
30 15 29833	WHITE WING 22 FEDERA	07 98 3	125 67	38 F
30 15 29833	WHITE WING 22 FEDERA	08 98 1	9	F
30 15 29833	WHITE WING 22 FEDERA	09 98 16	3683 568	96 F
30 15 29833	WHITE WING 22 FEDERA	10 98 26	2590 264	3 F
30 15 29833	WHITE WING 22 FEDERA	11 98 30	566 128	F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 07/01/99 08:57:14
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPNC
 Page No: 2

OGRID Identifier : 25773 LOUIS DREYFUS NATURAL GAS CORP.
 Pool Identifier : 96605 WILDCAT HAPPY VALLEY; B.S., SE.
 API Well No : 30 15 29833 Report Period - From : 01 1998 To : 12 1999

API Well No	Property Name	Prodn. Days	Production Volumes	Well
		MM/YY Prod	Gas Oil Water	Stat
30 15 29833	WHITE WING 22 FEDERA	12 98 7	14	F
30 15 29833	WHITE WING 22 FEDERA	01 99 20	1075 78 72	F
30 15 29833	WHITE WING 22 FEDERA	02 99 28	1817 73	F
30 15 29833	WHITE WING 22 FEDERA	03 99 31	1574 70	F
30 15 29833	WHITE WING 22 FEDERA	04 99 30	1220 67 5	F

Reporting Period Total (Gas, Oil) : 12721 1329 587

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12