AMEND NSL 5/24/99

Telephone 405 749-1300 www.ldng.com

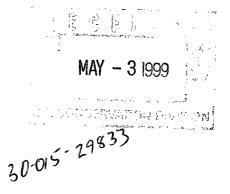
Land Fax 405-749-6662

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



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/eeo

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Fitle 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.

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		ROUS ZONES: (S including depth i
		thow all important z nterval tested, cush
		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):
	NAME Delaware Bone Spring Wolfcamp Strawn Atoka Morrow Clastics Lower Morrow	38. GEOJ
	MEAS. DEPTH 2150' 5090' 8657' 10233' 10534' 11213' 11539'	GEOLOGIC MARKERS
	VERT. DEPTH	N N N N N N N N N N N N N N N N N N N

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WHITE WING 22 FED COM 23 Happy Valley (Bone Spring) Plug Back continued:

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	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'		holes										
	9248'-9250'	2'		holes	C	IBP @	790	0'w	/35	' ceme	nt on	top.		
	7745'-7747'	2'		holes	•	c								
	7749'-7752'	3'		holes										

orig.

District I PO Box 1980, Hobbs, NM \$8241-1980 District II PO Drawer DD, Artesia, NM \$8211-0719 District III 1000 Rio Brazos Rd., Aztec, NM \$7410 District IV PO Box 2088, Santa Fe, NM \$7504-2088

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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

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	API Name	kr		Pool Code		· · ·	Pool ?	iame		
30-015-	-29833			78060		HAPPY VALLEY	- Bone S	prings		
Property	Code				* Propert	y Name			•	Well Number
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OCID	No.				* Operaio	r Name	•			* Elevation
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			1980			xaco E&P (FP) ion Pacific ((FP)	Sala Sala Sala Sala Sala Sala Sala Sala		



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Banta Fe, New Mexico 87505 (608) 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

TUE

7:14

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

P.02

Sincerely rotenberg Lori Wrotenbery Director

LW/MES/kv

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APR-27-99

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;

CASE NO. 11858 Order No. R-10903 Page -2-

> 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 <u>dismissed</u>.

(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.

CASE NO. 11858 Order No. R-10903 Page -3-

(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:

CASE NO. 11858 Order No. R-10903 Page -4-

> 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.

<u>PROVIDED HOWEVER THAT</u>, 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.

<u>PROVIDED FURTHER THAT</u>, 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.

<u>PROVIDED FURTHER THAT</u>, 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.

CASE NO. 11858 Order No. R-10903 Page -5-

(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 nonconsenting 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 nonconsenting 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.

CASE NO. 11858 Order No. R-10903 Page -6-

(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 LEMAY WILLIAM Directo

SEAL

Gene Simer

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DIVISION OF INTEREST

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

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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) <u>plus</u> (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

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> Page 3 9/4/98

Louis Dreyfus Natural Gas Corp.	27.23458% x .8104588 plus	.4180786 WI
	21.5715% x .75	:
	<u>plus</u> 4.20914% x .845	



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

DIVISION OF INTEREST

NH: SWO

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	.044 VE
Tom Brown, Inc.		.0021875 ORI	
Charles B. Read	(3.31473% x .845) <u>plus</u> (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-	.029 WE
Union Pacific Resources Company	Force Pooled	-0-	.05734
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	

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Page 3 9/4/98

Louis Dreyfus Natural Gas Corp.	27.23458% x .8104588 <u>plus</u> 21.5715% x .75	.4180786 WI
	<u>plus</u> 4.20914% x .845	

Telephone 405 749-1300 www.ldng.com

Land Fax 405-749-6662

MAY 2 5 1999

📨 🛛 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 DRE∲FUS NATURA∳ GAS CORP. Joe W. Hammond District Landman JWH/eeo



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

Telephone 405 749-1300 www.ldng.com

Land Fax 405-749-6662

ES Louis Dreyfus Natural Gas

June 15, 1999

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

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

IUN 1 7 1999

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.

Joehu. Hamme

Joe W. Hammond **District Landman**

JWH/eeo

orig.

District I PO Box 1980, Hobbs, NM \$8241-1980 District II PO Drawer DD, Artesia, NM \$8211-0719 District III 1000 Rio Brazos Rd., Aztoc. NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

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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

AIT Number 'Peal Cele 'Peal Cele 30-015-29833 78060 HAPPY VALLEY - Bone Springs Property Cele 'Prepring Name 23 21545 WHITE WING 22 FEDERAL 23 06GED Ne. 10prints Name 'Envision 25773 LOUIS DREYFUS NATURAL CAS CORP. 3349 1* Surface Location 'B Surface Location 'Ban Yange' Cele 22 22-8 CoR 1980 1* Bottom Hole Location If Different From Surface WEST rmmy 1* Bottom Hole Location If Different From Surface Ten the free free the NethSenk file For free the Law Was file Constraine 1* Detizand Area * deat or fattil "Constitution Code" * Order Neth NonkSenk file For free the Law Was file Constraine 40 acces * Order Neth NonkStanDaRD UNIT HAS EleeN APPROVED BY THE DIVISION Constraine there is in an advected in the file 10 acces Chi Energy Chi Energy Chi Energy 40 acre Chi Energy Chi Energy Chi Energy 60 acre Chi Energy Ion Foreman 60 acre Stanley Tyler, Agent Creat Western 700 Creat Western YOR CERTIFICATION 80 Sharbro 0il Co.<			WE	ELL LC	CATION AN	ND AC	REAGE DEDI	CATION P	LAT		
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NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheso Street Banta Fa, New Maxico 87505 [805] 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 stenberg 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;

CASE NO. 11858 Order No. R-10903 Page -2-

> 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 <u>dismissed</u>.

(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.

CASE NO. 11858 Order No. R-10903 Page -3-

(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:

CASE NO. 11858 Order No. R-10903 Page -4-

> 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.

<u>PROVIDED HOWEVER THAT</u>, 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.

<u>PROVIDED FURTHER THAT</u>, 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.

<u>PROVIDED FURTHER THAT</u>, 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.

CASE NO. 11858 Order No. R-10903 Page -5-

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(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 nonconsenting 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 nonconsenting 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.

CASE NO. 11858 Order No. R-10903 Page -6-

(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

SEAL

W Gene Simer

District I PO Box 1980, Hobbs, NM District II 811 South First, Artesia, 1 District III 1000 Rio Brazos Rd., Azt.		Energy, Mine OIL CON 20	New Mexico tural Resources Department ATION DIVISION 1th Pacheco NM 87505			Form C-10 Revised October 18, 199 Instructions on bac Submit to Appropriate District Offic 5 Copie					
District IV	ec, INIX 87410		Sar	nta Fe,	NM 8	/505					IENDED REPOR
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Louis Dreyfus			•					025		on for Filing	- C- I-
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¹⁷ I hereby certify that the rul with and that the information knowledge and belief Signature:					Approved		ORI	NSERVATI Ginal Sign Frict II Su	ED 8	Y TIM	
Printed name: Terry	e D. Bry	ant			Title:						
Title: Regul	atory Te	chnicia	in		Approval Date: 107 - 3 - 98						
Date: 10/5/		Phone: (2		5287							
48 If this is a change of oper	rator fill in the	OGRID num	ber and name of	the previ	ous operato	r					
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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) <u>plus</u> (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

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Page 3 9/4/98

Louis Dreyfus Natural Gas Corp.	27.23458% x .8104588 <u>plus</u> 21.5715% x .75 <u>plus</u> 4.20914% x .845	.4180786 WI
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Telephone 405 749-1300 www.ldng.com Land Fax 405-749-6662

🖍 Louis Dreyfus Natural Gas

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

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

Louis Dreyfus Natural Gas

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.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond District Landman

JWH/eeo Certified Mail

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

✔■ Louis Dreyfus Natural Gas

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 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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LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond District Landman

JWH/eeo Certified Mail

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

Louis Dreyfus Natural Gas

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

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

fee Il

Joe W. Hammond District Landman

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

🛤 🛛 Louis Dreyfus Natural Gas

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.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond District Landman

Telephone 405 749-1300 www.ldng.com

Land Fax 405-749-6662

Louis Dreyfus Natural Gas

June 14, 1999

S.P. Yates c/o Yates PetroleumCorporation 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.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W

Joe W. Hammond District Landman

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:

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LOUIS DREYFUS NATURAL GAS CORP.

pe ll

Joe W. Hammond District Landman

JWH/eeo Certified Mail

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

🛃 Louis Dreyfus Natural Gas

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 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

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

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:

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

ve W

Joe W. Hammond District Landman

JWH/eeo Certified Mail

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

🛤 Louis Dreyfus Natural Gas

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

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

for W.

Joe W. Hammond District Landman

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

🛤 🛛 Louis Dreyfus Natural Gas

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:

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

ae 41

Joe W. Hammond District Landman

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

🛤 Louis Dreyfus Natural Gas

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:

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

re 4

Joe W. Hammond District Landman

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

🛃 Louis Dreyfus Natural Gas

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.

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Sincerely,

LOUIS DREYFUS NATURAL GAS CORP.

Joe W. Hammond District Landman



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPÁRTMENT

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 abovedescribed unorthodox gas well location is hereby approved.

Sincerely,

Iquelo Diali

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

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District I PO Box 1980, He District II	lobbs, NM 81	8241-1980	E	State Energy, Mineral	: of Nev ls & Natura	w Mex al Resource	iCO 25 Departm	nent]		Form C-104 October 18, 1994 Instructions on back
811 South First,	, Artesia, NN	1 88210	O [.]	IL CONSI				ION	Subn	nit to A		iate District Office
District III 1000 Rio Brazos	s Rd., Aztec,	, NM 87410			0 South a Fe, N					-		5 Copies
District IV 2040 South Pach	heco. Santa I	Fe. NM 8750	۲	The 	A =	1474 -				L		ENDED REPORT
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Printed name:	Terry	ve D. Bi				Title:			Interest :	Fife	wis	or
Title:			Technicia	an		Approval	Date:	10	- 8-18			
Date:	10/5/	98	Phone: (4	405) 749-	5287							
4 [#] If this is a ch	hange of oper	rator fill in t	he OGRID num	ber and name of	f the previo	ous operato)r					
	Previous C	Operator Sign	ıature		<u> </u>	Printee	d Name			Ti	itle	Date

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Form 3160-4 (July 1992)	DEPARTN	IENT O	STATES F THE IN D MANAGEME	TERIOR	DUPLICATE (See other structions reverse si	OME Expires	RM APPROVED 5/C 3 NO. 1004-0137 5/C :: February 28, 1995 INUNATION AND SERIAL NO. 30
WELL COM	MPLETION C	OR RECON	APLETION	REPORT AN	D LOG*	6. IF INDIAN,	ALLOTTEE OR TRIBE NAME
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b. TYPE OF COMP	VORK			1 S			
WELL	OVER L EN		RENVR.	Other			R LEASE NAME, WELL NO. ng 22 Fed. Com. #23
Louis Dreyfu		as Corp.		227	22324252	O. P. APIWELLN	
3. ADDRESS AND				124	18	70 30-2	115-29823
14000 Quail 4. LOCATION OF WEL							D POOL, OR WILDCAT
At surface 1980' FSL	& 2635' FWL	Sec. 22-		61	RECEIVED	AL NEC T R	alley (Bone Springs
At total depth				ALC		1 Sec. 22-	-T22S-R26E
At total depta			14. PERMIT NO.	. DATE	LASTED LOS	4. 12. COUNTY OF	R 13. STATE
					015810	Eddy	NM
15. DATE SPUDDED 9/30/97 Ori			COMPL. (<i>Ready t</i> 7/98		VATIONS (DF, R	KB, RT, GE, ETC.)*	19. ELEV. CABINGHEAD
20. TOTAL DEPTH. MD A		ACK T.D., MD & T	TVD 22. IF MUT HOW M	TIPLE COMPL.,	23. INTERVA DRILLED		S CABLE TOOLS
11,850 * 24. PRODUCING INTERV	7865	MPLETION-TOP,	BOTTON, NAME ()	MD AND TVD)*		<u> </u>	25. WAS DIRECTIONAL
7745' - 775			ne Springs)				SURVET MADE No
26. TYPE ELECTRIC AL	ND OTHER LOGS RUN		<u> </u>	·	· _,		27. WAS WELL CORED
None							No
29. CASING SIZE/GRADE	WEIGHT, LB./FT.	CASI		port all strings set i		CEMENTING RECORD	
13 3/8"	J-55, 50#	525		1/2"	Surface		-0-
9 5/8"	J-55, 36#	1727	12	1/4"	Surface		
	J-55, 26#	8977	8	3/4"	Surface	1320 sx.	
29.	LI	VER RECORD			30.	TUBING RECO	 RD
6122			SACRS CEMENT*	SCREEN (MD)	SIZE	DEPTH BET (MD	·
4 1/2"	8759 1	1847'	375		2 3/8"	7585.17'	7605.59'
31. PERFORATION RECO	pp (Interval, size (ind number)		32. AC	DD. SHOT. FR	ACTURE, CEMENT	SQUEEZE. ETC.
11661'-11664 11667'-11671			r @ 11614' perfs. w/	DEPTH INTERVA	L (MD)	AMOUNT AND KIND	OF MATERIAL USED
11674'-11676	5' 9 holes	125 sxs	. C1. H cmt			000 gal. 15%	NEFE acid
11716'-11719 11402'-11408			- 13# CIBP w/35' cmt.	7749'-7752		·	
11430'-11440							
33.* DATE FIRST PRODUCTIO	AN L REODUCT	ION METHOD (F		DUCTION umping—eize and t			STATUB (Producing or
9/16/98		wing	iowing, gue ciji, p	ampiny—tize unu i	gpe of pump;	ehut.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBL.	648-MCF.	WATER-BBL.	GAS-OIL RATIO
9/16/98	20.5	3/8"		47	226		4,808/1
1400	CABING PRESSURE	CALCULATED 24-HOUR BATE	оцвві. 55	сав—мст. 264	wa1	•	FUR RECORD
34. DISPOSITION OF GA	s (Sold, used for fu	el, vented, etc.)				TEST WITNESS	
Sold 35. LIST OF ATTACHM	ENTR		. 		······		3 1 1998
None	a in 4 G					ORIG. S	SGD.) LES BABYAK
36. I hereby certify	thet the foregoing a	attached in	formation is comp	plete and correct a	determined fr		
SIGNED	Myelly.	<u>Hyan</u> t	TITLE	Regulatory 7	[echnicia	DATE	10/5/98

.

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

Fitle 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.

WHITE WING 22 FED COM 23 Happy Valley (Bone Spring) Plug Back continued:

31.

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31.	9442 '- 9458'	16'	16 holes 4 $1/2$ " RBP set @ 9,400' w/5' sand on RBP.
	9407'-9418'	11'	ll 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

			il Calla ^M via	sion al
Form 3160-5 (November 1994)	UNITED STAT	ES 1 S	il C	1
CINICO	BUREAU OF LAND MAN			5. Lease Serial No. LC-064490
Do not use th	his form for proposals to ell. Use Form 3160-3 (AP	o drill or to re-enter	an 2324 25 10 23	6. If Indian, Allottee or Tribe Name
SUBMIT IN TR	IPLICATE - Other instr	uctions on reverse	e șide te	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well Oil Well Gas Well	Cther	191 01	ECENTES 4	
2. Name of Operator		<u>\.</u>		White Wing "22" Fed Com #23
Louis Dreyfus Natu 3a. Address 14000 Quail		3b. Phone No. (inclue	le area rodet	9. API Well No. 30-115-29833
Suite 600, Oklahom	<u>na City, OK 73134</u>	(405) 749-528		10. Field and Pool, or Exploratory Area Happy Valley (Wolfcamp) Happy Valley (Morrow)
4. Location of Well (Footage, Sec.	-			Happy Valley (Morrow) ^P 11. County or Parish, State
1980' FSL & 2635'	FWL Sec. 22-225-28	бE		
12. CHECK AP	PROPRIATE BOX(ES) T	O INDICATE NATU	RE OF NOTICE, I	Eddy County, New Mexico REPORT, OR OTHER DATA
TYPE OF SUBMISSION		· ·	YPE OF ACTION	
Notice of Intent	X Acidize	Deepen	Production (Sta	
Subsequent Report	Alter CasingCasing Repair	 Fracture Treat New Construction 	ReclamationRecomplete	Well Integrity Other
Final Abandonment Notice	Change Plans Convert to Injection	 Plug and Abandon Plug Back 	Temporarily A Water Disposal	bandon
following completion of the invi- testing has been completed. Fir determined that the site is ready f Perf csg. 11,402' gals. 7 1/2% acid to foaming agent; 131, CIBP set @ 9,600' to Perf. 9,442'-9,458' gal. 15% HCL w/iror RBP set @ 9,400', c 9,369', 2', 2 holes 9,313', 7', 7 holes 9,282', 2', 2 holes	olved operations. If the operation nal Abandonment Notices shall for final inspection.) 11,408', 6', 6 hol w/corrosion inhibi ,000 scf N2; 10 ba w/35' cement on pl ', 16', 16 holes; n control, tension dumped 5' sand on s; 9,337'-9,339', s; 9,294'-9,296', s; 9,258'-9,260',	n results in a multiple com be filed only after all requ les; 11,430'-11 tor, tension r 11 sealers. ug. PBTD 9,56 9,407'-9,418', reducer, inhil top. Perfed 9 2', 2 holes; 9 2', 2 holes; 9 2', 2 holes; 9	pletion or recompletion irements, including rect ,440', 10', 8 educer, surfa 5'. 11', 11 hole bitor w/41 ba ,378'-9,384', ,326'-9,329', ,285'-9,287', ,248'-9,250'.	<pre>uired subsequent reports shall be filed within 30 day- in a new interval, a Form 3160-4 shall be filed once lamation, have been completed, and the operator has boles. Acidized w/3,024 actant, emulsifier & es. Acidized w/4,000 ill sealers. 6', 3 holes; 9,367'- 3', 3 holes; 9,367'- 3', 3 holes; 9,304'- 2', 2 holes; 9,280'- 2', 2 holes. Acidized sifier, corrosion inhibitor, ACCEPTED FOR RECORD 307 3 1099</pre>
 I hereby certify that the foregoing Name (Printed/Typed) 	; is true and correct	Title		(dhig. SGD.) LES BABYAK
Terrye D. Bryant			latory Techn	idian BLM
Terms & Br	yan	Date Sept	. 14, 1998	
	7	OR FEDERAL OR ST		
Approved by		Tit	le	Date
Conditions of approval, if any, are at certify that the applicant holds legal which would entitle the applicant to co	or equitable title to those rights onduct operations thereon.	s in the subject lease	fice	
Title 18 U.S.C. Section 1001, makes fraudulent statements or representation	it a crime for any person known ns as to any matter within its juris	ngly and willfully to make solution.	e to any department or	agency of the United States any false. fictitious or
(Instructions on reverse)				

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Form 3160-5 (November 1994)	HMPTGD ST2	TES 1 S 5	ୁ ାଷା ଜୁନାଷା	FORM APPROVED
	UNITED STA DEPARTMENT OF TI	HE INTERIORA, NM	<u>⊘</u> : ₀- <u>2</u> 834	OMB No. 1004-0135 Expires July 31, 1996
0	BUREAU OF LAND MA		12223243	5. Lease Serial No. LC-064490
Do not	UNDRY NOTICES AND RE use this form for proposals ned well. Use Form 3160-3 (to drill or to re-enter	ran / Color als.	6. If Indian, Allottee or Tribe Name
	IN TRIPLICATE - Other in	<u>//S</u>	<u>65'</u>	5) 7. If Unit or CA/Agreement, Name and
1. Type of Well Oil Well 🙆 Gas V	Well Q Other		D Anticash S	
2. Name of Operator	Natural Gas Corp.	1101	38199VEU	White Wing "22" Fed Co 9. API, Well No.
3a. Address 14000 (Quail Springs Parkway Lahoma City, OK 73134	y 3b. Phone No. (inclu	ude area code)	<u>30-015-298</u> 10. Field and Pool, or Exploratory Area
	age, Sec., T., R., M., or Survey Descrip		-5287	Happy Valley (Morrow)
	535' FWL Sec. 22-22S-			11. County or Parish, State
1900 19 <u>1</u> a 20	JJJ TWL Sec. 22-223-	-20E		Eddy County, New Mex
12. CHEC	CK APPROPRIATE BOX(ES) TO INDICATE NAT	URE OF NOTICE, I	REPORT, OR OTHER DATA
TYPE OF SUBMISSI	ON		YPE OF ACTION	
Notice of Intent	X Acidize	Deepen	Production (Sta	
Subsequent Report	Alter Casing	Fracture Treat		Well Integrity
C		New ConstructionPlug and Abandon	RecompleteTemporarily A	
Final Abandonment No	otice Change Flains	Plug Back	Water Disposal	
following completion of testing has been complet determined that the site is Drilled 6 1/8"	the involved operations. If the operated. Final Abandonment Notices shas ready for final inspection.)	ition results in a multiple con all be filed only after all request at 4 1/2" 13.04	npletion or recompletion uirements, including rect # S-95, STL R	aired subsequent reports shall be filed within in a new interval, a Form 3160-4 shall be lamation, have been completed, and the op 3 flushline casing @
following completion of testing has been complet determined that the site is Drilled 6 1/8" 11,847', top o thru 18th join Cl. H @ 15.6#/ (anti-foam); 3 Perfed csg. 11 11,676', 2', 9 Acidized w/2,00 tension reducer Fraced w/35,020 Set retainer @	the involved operations. If the opera ted. Final Abandonment Notices sha s ready for final inspection.) hole to 11,850'. S of liner 8759'. Used ts, 20th, 27th, 63rd gal. Yield 1.2/2 ga % salt by weight of ,661'-11,664', 3', 1 holes; 11,716'-11,7 00 gal. 7 1/2" acid r, 70 ball seals, me 0# proppant, 58,000 11,614', test csg. with 125 sxs. C1. H	tion results in a multiple con- at 4 1/2" 13.04 centralizers m joints (total 1/ per sack; D60 water; 5% D800 3 holes; 11,667 19', 3', 6 holes w/iron & clay co thanol to replac gal 30% CO2 Meda to 1000#. Estab	e with BLM/BIA. Requ mpletion or recompletion uirements, including rect # S-95, STL R iddle of shoe 20). Cemented 00 (gas block) (retarder) by '-11,671', 4', s. ontrols, correct ce water; 182, allion 4000. olish injectic	<pre>irred subsequent reports shall be filed withi i in a new interval, a Form 3160-4 shall be lamation, have been completed, and the op 3 flushline casing @ joint, middle of 2nd d 11/18/97 with 375 sxs.); .02 gal./sx. M-45 weight of cement. , 17 holes; 11,674'- osion inhibitor, surfact ,000 scf nitrogen. on rate @ 2 BPM @ 2,475# L 2% KCl water. Tbg.</pre>
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			SF
Form 3160-5	UNITED STATES		FORM APPROVED OMB No. 1004-0135
(November 1994)	DEPARTMENT OF THE INTERIOR	1 S. 😪	Expires July 31, 1996
SUNDA	BUREAU OF LAND MANAGEMENT	reustasia, NM	5. Lease Serial No. LC–064490
Do not use th	nis form for proposais to drill or to r	e-enter an	6. If Indian, Allottee or Tribe Name
abandoned we	ell. Use Form 3160-3 (APD) for such p	proposals:22425	
SUBMIT IN TR	IPLICATE - Other instructions of	reverse side	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well Oil Well Gas Well	Other (19)	RECEIVIN	8. Well Name and No.
2. Name of Operator	ral Gas Corp.		White Wing "22" Fed Com #23
Louis Dreyfus Natu			9. API Well No.
3a. Address 14000 Quail Suite 600, Oklahoma		Nó.¥include area code) 749-5287	$\frac{30 - 019 - 29822}{10. \text{ Field and Pool, or Exploratory Area}$
4. Location of Well (Footage, Sec.			Happy Valley (Morrow)
10001 ECT 5 26351	FWL Sec. 22-22S-26E		11. County or Parish, State
1700 F2L & 2022 .	FWL Sec. 22-225-20E		Eddy County, New Mexico
12. CHECK AP	PROPRIATE BOX(ES) TO INDICATE	E NATURE OF NOTICE, RE	PORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Notice of Intent	Acidize Deepen	Production (Start/F	Resume) 🛄 Water Shut-Off
	Alter Casing Fracture T	_	Well Integrity
Subsequent Report	Casing Repair New Cons	-	Other Spud, casing set
Ginal Abandonment Notice	Change Plans Plug and A Convert to Injection Plug Back		1don
If the proposal is to deepen dired Attach the Bond under which th following completion of the invo testing has been completed. Fir determined that the site is ready Set 20" conductor p	ctionally or recomplete horizontally, give subsurfa ne work will be performed or provide the Bond N olved operations. If the operation results in a mu nal Abandonment Notices shall be filed only after for final inspection.) pipe and cemented to surfac	face locations and measured and true No. on file with BLM/BIA. Require ultiple completion or recompletion in er all requirements, including reclam	y proposed work and approximate duration thereof. e vertical depths of all pertinent markers and zones. ed subsequent reports shall be filed within 30 days n a new interval, a Form 3160-4 shall be filed once nation, have been completed, and the operator has le @ 11:00 a.m 9/30/97.
used in middle of s w/2% calcium chlori 1730', ran 9 5/8" 3	le to 525'. Ran 13 3/8" 54 shoe joint, 3, 5, & 7th col ide (S-1). Circulated 276 36# J-55, L&TC casing to 17	lars. Cemented 10/2 sxs. to surface. Dr 27. Centralizers us	2/97 w/600 sxs. Cl. C rilled 12 1/4" hole to sed in middle of shoe
(ge1) + 2% S1 (cc) 14.8 lb/gal. yield 7" 26# & 23# S-95,	t thereafter. Cemented 10/e at 13.7 lb/gal., yield 1.6 1.32. Pumped 67 sxs. to so R 3 casing to 8977'. DV to	7. Tail of 250 sxs. urface. Drilled 8 3 ool set @ 3959'. Ce	. Cl. C + 2% Sl (cc) at 3/4" hole to 8995'. Ran emented 10/25/97. lst
stage 700 sxs. Self	-Stress cement w/2#/sk. Cel	lloFlake, 2% Defoame	er, 5#/sk. Colite, 3% E-59.
pit thru DV tool.	vield 1.83 cu. ft./sk. Open Cemented 2nd stage w/420 sp	ned DV tool and circ xs. 35/65 POZ-MIX ce	ulated 120 sx. to reserve
CelloFlake, mixed @	13.2 ppg, vield 1.75 cu. 1	ft./sk. Tailed in	with 200 sxs. C1. C
w/2% CaCl, 25#/sk.	CelloFlake mixed @ 14.8 ppg	g, yield 1.32 cu. ft sxs. to reserve pit	./sk.Actoset PHOA982CORD
14. I hereby certify that the foregoin Name (Printed/Typed)	g is true and correct	Title	
Terrye D. Bryant		Regulatory Techni	cian 0CT 2 1 1998
Signative / K	Inant	Date September 11, 199	8 DAIG SED LES BABYAK
	THIS SPACE FOR FEDERA	AL OR STATE OFFICE USE	
Approved by		Title	Date -
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to o	attached. Approval of this notice does not warra al or equitable title to those rights in the subject conduct operations thereon.	rant or Office t lease	
Title 18 U.S.C. Section 1001, make: fraudulent statements or representation	is it a crime for any person knowingly and willfu ons as to any matter within its jurisdiction.	ally to make to any department or ag	gency of the United States any false, fictitious or

(Instructions of	on reve	rse)
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			M. OII Com	s. Tivisioa	514
Form 3160-5 (November 1994)	UNITED STATE DEPARTMENT OF THE		I S. Ist Street	et 	FORM APPROVED OMB No. 1004-0135
	BUREAU OF LAND MAN		Artesia, NM	5. Lease Seria	Expires July 31, 1996
SUND	RY NOTICES AND REPO		S	LC-06	
Do not use t	his form for proposals to vell. Use Form 3160-3 (AP	o drill or to re-en	iter an	6. If Indian, A	Allottee or Tribe Name
SUBMIT IN TR	RIPLICATE - Other instr	ructions on rev	erseside	7. If Unit or C	CA/Agreement, Name and/or No.
1. Type of Well	Cother Contract of the second se	4	<u> </u>	8. Well Name	
2. Name of Operator Louis Dreyfus Natu	ral Gas Corp.	516	and writedi	97 API Well N	g "22" Fed Com #23
3a. Address 14000 Quail Suite 600, Oklahoma	Springs Parkway	3b. Phone No. (A (405) 749	nolude area code) 45287	N 201	01/15-29835 ool, or Exploratory Area
4. Location of Well (Footage, Sec			2410163L34	Happy Val	lley (Morrow)
1980' FSL & 2635' F	WL Sec. 22-22S-26E			11. County or P	'arish, State
					nty, New Mexico
	PPROPRIATE BOX(ES) T	O INDICATE NA	······	REPORT, OR C	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		<u></u>
Notice of Intent	Acidize	DeepenFracture Treat	Production (S	tart/Resume)	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Constructi			-
Final Abandonment Notice	Change Plans	Plug and AbandPlug Back	~ · ·		measurement
Attach the Bond under which the following completion of the inv	d Operation (clearly state all perti- cctionally or recomplete horizonta he work will be performed or pro- rolved operations. If the operation inal Abandonment Notices shall b	inent details, including lly, give subsurface lo vide the Bond No. or o results in a multiple	g estimated starting date of cations and measured and file with BLM/BIA. Rec completion or recompletio	f any proposed work true vertical depths of quired subsequent rep on in a new interval.	and approximate duration thereof. of all pertinent markers and zones. ports shall be filed within 30 days a Form 3160-4 shall be filed once a completed, and the operator has
Louis Dreyfus Natura gas produced from th	al Gas Corp. reques nis well. The El F	sts approval Paso meter fo	to transport a or this well is	and off leas s 3/4 mile N	e measure the IE of location.
		C	SEE ATTAI INDITIONS	Ched For Of Appri	3 DVAL
14. I hereby certify that the foregoin	ng is true and correct				
Name (Printed/Typed)		Title			
Terrye D. Bryant	<u> </u>	Re Dat	egulatory Techr	lician	
Tarase & But	Car	Se	ept. 11, 1998		

(ORIG. SGD.) LES BABYAK

JEEROLEUM ENGINEEDate OCT 21 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.

1

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)

1

Approved by

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			M Oil Cors. 3	visio		
Form 3160-5 (November 1994)	UNITED STATES DEPARTMENT OF THE INT	ERIOR	1 S. 1st Street rtesia, NM 200	28 34 6	CORM APPROVED MB No. 1004-0135 xpires July 31, 1996	SF
SUND	BUREAU OF LAND MANAGE RY NOTICES AND REPORT		s	5. Lease Serial		
Do not use t	his form for proposals to dri vell. Use Form 3160-3 (APD) for	II or to re-ent	er an		llottee or Tribe Name	
SUBMIT IN TR	RIPLICATE - Other Instruct	lons on revei	se side 52025	7. If Unit or C	A/Agreement, Name an	d/or No.
1. Type of Well Oil Well 3 Gas Well	Other	10201		8. Well Name a	and No.	
2. Name of Operator Louis Dreyfus Na	tural Gas Corp	17.10	profinito	White Wing 9. API Well No.	"22" Fed. Co	
3a. Address 14000 Quail Suite 600, Oklahoma	Springs Parkway 3t	5. Phone No. (inc 405) 749-5	lude area code)	31-11	5-2983 ol, or Exploratory Area	
4. Location of Well (Footage, Sec				Happy Val	ley (Wolfcam)	<u>) </u>
1980' FSL & 2635' :	FWL Sec. 22-22S-26E			-	ty, New Mexic	20
12. CHECK AF	PROPRIATE BOX(ES) TO IN	DICATE NAT	URE OF NOTICE, RI	EPORT, OR O	THER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
Notice of Intent	_	Deepen Fracture Treat	Production (Start/Reclamation	(Resume)	Water Shut-Off Well Integrity	
Subsequent Report	Casing Repair	New Construction	_	ū	Other	
G Final Abandonment Notice	Change Plans	Plug and Abandos Plug Back	n 🖵 Temporarily Aba 🏝 Water Disposal	andon		
If the proposal is to deepen dire Attach the Bond under which the following completion of the inv	d Operation (clearly state all pertinent ctionally or recomplete horizontally, gi he work will be performed or provide olved operations. If the operation resu- nal Abandonment Notices shall be file for final inspection.)	ive subsurface loca the Bond No. on f lts in a multiple c	ations and measured and true ile with BLM/BIA. Requir completion or recompletion in	e vertical depths of ed subsequent repo n a new interval, a	f all pertinent markers a orts shall be filed withi Form 3160-4 shall be	nd zones. n 30 days filed once
	al Gas Corp. requests e well has a water tar					ater
				E ATTAI TTONS	CHED FOR OF APPRO	VAL
14. I hereby certify that the foregoin Name (Printed/Typed)	ng is true and correct	Title	······			<u> </u>
Terrye D. Bryant		Re Date	egulatory Techn	ician		
	aax		ept. 11, 1998			
		FEDERAL OR	STATE OFFICE USE			
Approved by	IG. SGD.) LES BABYAK		THE ROLEUM EN	GINEEDate	DCT 2 1 199	3
	attached. Approval of this notice doe al or equitable title to those rights in conduct operations thereon.		Office			
	es it a crime for any person knowingly ions as to any matter within its jurisdict		make to any department or	agency of the Uni	ted States any false, fig	titious or

(Instructions on reverse)

Do not use t	UNITED STATE DEPARTMENT OF THE I BUREAU OF LAND MANA RY NOTICES AND REPO this form for proposals to well. Use Form 3160-3 (API	INTERIÖR AGEMENT DRTS ON WE drill or to re	Artesia ELLS -enter an	oil Cons. 1 1st Straet 1, NM 3821	<u>6 29</u> 34 5. Lease S LC-064	Expires July 31, 1996 erial No.
SUBMIT IN T	RIPLICATE - Other Instru	uctions on r	everse side		7. If Unit of	or CA/Agreement, Name and/or
 Type of Well Oil Well Gas Well 	Other				8. Well Na	ame and No.
2. Name of Operator Louis Drevfus N	atural Gas Corp.	/		in En	White W 9. APIWe	ing "22" Fed Com
3a. Address 14000 Quail Suite 600, Oklahom		1	o. (include area c		30-	115-29833
 Location of Well (Footage, Se 	a City, OK 73134 c., T., R., M., or Survey Description 5' FWL Sec. 22-228-) 749–528		Happy 11. County of	d Pool, or Exploratory Area Valley (Bone Spri or Parish, State ounty, New Mexico
12. CHECK A	PPROPRIATE BOX(ES) TO	O INDICATE	NATURE OF	F NOTICE, RE		
TYPE OF SUBMISSION		·	TYPE OF	ACTION		
 Notice of Intent Subsequent Report Final Abandonment Notice 	 Acidize Alter Casing Casing Repair Change Plans Convert to Injection 	 Deepen Fracture Traction New Constr Plug and At Plug Back 	eat	Production (Start/) Reclamation Recomplete Temporarily Abas Water Disposal		 Water Shut-Off Well Integrity Other
following completion of the in testing has been completed. F determined that the site is ready 1. RU DDU and 2. Kill well w 3. Pull tubing 4. Wire line s 5. Pressure te	the work will be performed or pro volved operations. If the operation "inal Abandonment Notices shall by y for final inspection.) install H2S safety with 2% KCl water. g and packer. set CIBP @ 7900' and est casing to 1500 p tor and perforate Bo	n results in a mult be filed only after equipment Remove tr d dump 35' psi.	tiple completion of all requirements	or recompletion in s, including reclar nstall BOP nt on top.	i a new interv nation, have	val, a Form 3160-4 shall be file been completed, and the opera
	rom 7749'-7752' with					
11/13/3/.	vable production pac	cker on 2		_	2'. Sp	ot acid with 3
 Run retriev bbls. outs: Pull tubing Remove BOP Acidize dow 	ide of tubing. g above perfs and so 's and install tree wn tubing with 2000 5 BPM Divert act	gals. 15%	NEFE HC1	acid. E	stimate	d treating pressu
 Run retriev bbls. outs: Pull tubing Remove BOP Acidize dov 3300 psi @ Swab, test 	g above perfs and so 's and install tree wn tubing with 2000 5 BPM. Divert acid and put on product	gals. 15% d w/20 7/8	NEFE HC1	acid. E	stimated. Flus	d treating pressu h w/2% KCl water.
 Run retriev bbls. outs: Pull tubing Remove BOP Acidize dov 3300 psi @ <u>Swab. test</u> Ihereby certify that the foregon Name (Printed/Typed) 	g above perfs and so 's and install tree wn tubing with 2000 5 BPM. Divert acid and put on product	gals. 15% d w/20 7/8 ion.	K NEFE HC1 3" RCN bal	acid. E.	. Flus	d treating pressu h w/2% KCl water.
 Run retriev bbls. outs Pull tubing Remove BOP Acidize dov 3300 psi @ <u>11.</u> Swab. test 14. Thereby certify that the foregod 	g above perfs and so 's and install tree wn tubing with 2000 5 BPM. Divert acid and put on product: ping is true and correct	gals. 15% d w/20 7/8 ion.	K NEFE HC1 3" RCN bal	acid. E	. Flus	d treating pressu h w/2% KCl water.
 Run retriev bbls. outs: Pull tubing Remove BOP Acidize dov 3300 psi @ <u>Swab. test</u> Ihereby certify that the foregon Name (Printed/Typed) Terrye D. Bryant 	g above perfs and so 's and install tree wn tubing with 2000 5 BPM. Divert acid and put on product bing is true and correct	gals. 15% d w/20 7/8 ion.	NEFE HC1 "RCN bal Title Regulat Date August	acid. E. 11 sealers cory Techn 31, 1998	. Flus	d treating pressu h w/2% KCl water.
 Run retrieve bbls. outst Pull tubing Remove BOP Acidize down 3300 psi @ Swab. test Ihereby certify that the foregot Name (Printed/Typed) Terrye D. Bryant Signature Mandala 	g above perfs and so 's and install tree wn tubing with 2000 5 BPM. Divert acid and put on product oing is true and correct Charter THIS SPACE F	gals. 15% d w/20 7/8 ion.	Z NEFE HC1 3" RCN bal Title Regulat Date August L OR STATE	acid. E. 11 sealers cory Techn 31, 1998	. Flus	h w/2% KCl water.
 Run retrieve bbls. outs: Pull tubing Remove BOP Acidize down 3300 psi @ Swab. test Interby certify that the foregot Name (Printed/Typed) Terrye D. Bryant Signature Approved by (ORIG. S Conditions of approval, if any, ar 	g above perfs and so 's and install tree wn tubing with 2000 5 BPM. Divert acid and put on product oing is true and correct THIS SPACE F GD.) DAVID R. GLASS e attached. Approval of this notic gal or equitable title to those righ	gals. 15% d w/20 7/8 ion. FOR FEDERA	Title Regulat Date August LOR STATE	acid. E. 11 sealers cory Techn 31, 1998	ician	d treating pressu h w/2% KCl water. Date SEP 09 1998

(Instructions on reverse)

	UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MAN	INTERIOR	Cill Corp. D	5. Lease S	FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996 erial No.			
SUNDF Do not use ti abandoned w	SUREAU OF LAND MANA RY NOTICES AND REPO his form for proposals to rell. Use Form 3160-3 (AP	ORTS ON WELLS o drill or to re-enter D) for such propose	esja, NM 33210) Ns.	LC_06	54490 n, Allottee or Tribe Name			
	RIPLICATE - Other Instr	an a shekar a baha a baha a	er en son aller in der staden.		or CA/Agreement, Name and/or No.			
1. Type of Well Oil Well 🖾 Gas Well	Other	<u>. 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 199</u>		8 Well N	ame and No.			
2. Name of Operator				White W	Ving "22" Fed Com #23			
Louis Dreyfus Natu 3a. Address 14000 Quai		3b. Phone No. (inclu		9. API We	1-115-9983			
#600, Oklahoma Ci:		(405) 749			d Pool, or Exploratory Area			
4. Location of Well (Footage, Sec	c.; T., R., M., or Survey Descriptio				Valley (Wolfcamp)			
1980' FSL & 2635'	FWL Sec. 22-22S-26	6E	101101	11. County or Parish, State				
12. CHECK A	PPROPRIATE BOX(ES) T	O INDICATE NAT	URE OF NOTICE, R					
TYPE OF SUBMISSION		Ţ	YPE OF ACTION					
Notice of Intent	Acidize	Deepen	Production (Star	t/Resume)	Water Shut-Off			
	Alter Casing	Fracture Treat	Reclamation		Well Integrity			
Subsequent Report	Casing Repair	New Construction	Recomplete		• Other			
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	U Temporarily At Water Disposal	oandon				
testing has been completed. F determined that the site is ready 1. RU complete 2. Kill well w 3. Pull tubing 4. Wireline se 5. Pressure te 6. RU lubricat 9442'-9458' 7. PU packer. 4-6 bpm wit KCl water.	inal Abandonment Notices shall	be filed only after all red H2S safety equ Remove tree and dump 35' of psi. Volfcamp with 3 9407'-9418, 3 and tubing to so 3% HC1 acid and 1 test.	uirements, including recl lipment. and install BO cement on top 8 1/8" casing g 11 ft. 11 holes set packer at s 1 41 ballseales	amation, have P's. gun with s; total ±9350'.	27 ft., 27 holes. Acidize perfs at			
9. If zone is bail 5 sack	non-productive, PU ts of cement on CIB Ball Catcher. Set	J & RIH with w: 3P. If zone is	reline and set	t CIBP a PU & RIH	t 9400'. Dump with wireline,			
<u>10. Pressure te</u> 14. I hereby certify that the forego	est_plug_to_1500_ps	H						
Name (Printed/Typed)		Title	ulatory Techn:					
<u>Terrye D. Bryant</u> Signature	2	Date	diatory rechn.					
_flught	Kyant	8/3	1/98					
	THIS SPACE	FOR FEDERAL OR						
Approved by (ORIG. SGI	D.)_DAVID_R_GLASS		TINE ROLEUM ENGIN		Date SEP 0 9 1998			
Conditions of approval, if any, are certify that the applicant holds leg which would entitle the applicant to	e attached. Approval of this noti gal or equitable title to those right	ice does not warrant or	Office	<u> </u>				
Title 18 U.S.C. Section 1001, mal fraudulent statements or representa	kes it a crime for any person known to the second s	wingly and willfully to m misdiction.	ake to any department or	agency of the	United States any false, fictitious or			

(Instructions	on	reverse)
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Form 3160-4 (July 1992)	÷		JNITED	STA.	TES	S	UBMIT II	N DUPLICA	ATE*			1004-0137 GY
		-	IENT O			TFRI	OR		other in- tions on		•	TUARY 28, 1995
•			AU OF LAN				Ŭ	rever	ne side)		64490	TON AND BERIAL NO.
									~ +			TTEE OR TRIBE NAME
WELL CO		ION C			ION I	REPO	RI AN	ID LOG	<u> </u>			
1a. TYPE OF WEL	L:	WELL	WELL	X D	a y 🗌	Other -		01	<u></u>	T. UNIT	AGREEMENT	T NAME
A TYPE OF COM	VORK	ר אאת ר		יידויז רק	. —	811	S. 1st	Straet	-			
2. NAME OF OPERAT	OVER L	EN	влек	A REN	vn. 🛄	owne	sia. NA	<u>A 921</u>	<u> </u>	Ubito		SE NAME, WELL NO. 2 Fed. Com. 23
		umal C	aa Cama							9. APIW		<u>z red. com. z.</u>
Louis Dreyf 3. Address and	US NAL TELEPHO	DNE NO.	as_corp.	•			·			31-	115-	29833
14000 Quail	Sprin	gs Par	kway, Sui	te 600	0, Ok1	lahoma	City	, OK 7	3134	10. PIELE	AND POOL	L. OR WILDCAT
4. LOCATION OF WEL	L (Report	location c	lcarly and in c	accordance	with an	y State i	cquireme	ta)*	61/			y (Wolfcamp)
At surface 198	0' FSL	& 2635	5' FWL Se	c. 22-	-22 S -2	6E			613	11. SEC., OR A	Т., В., М., Rea	OR BLOCK AND BURVET
At top prod. into							020	av 9	Ĉ			0 00(0
At total depth								Antiona	<u></u>	Sec.	22-122	S-R26E
				14. PE	EMIT NO.			IBSUED	1.57	12. COUN PARIS		13. STATE
										Eddy		NM
9/30797 Offig			HED 17. DAT		(Ready to	o prod.)			-	RT, GE, ETC.)• 19.	ELEY. CABINGHEAD
5/08/98 PB		09/98	<u> 5/</u>	$\frac{17/98}{170}$. 1 9 MUL	TIPLE CO	·	3349'		ROTARTI	7001.8	CABLE TOOLS
11,850'	••••	9,400			ноw м N/A				A		(••••
24. PRODUCING INTER	VAL(8). 0			, BOTTOM,		D AND 1	rvD)*	·	TAT		3	5. WAS DIRECTIONAL BURYET MADE
9,250' - 93	384'	Нарру V	Valley (W	olfcam	ıp)			. A J		$/\lambda'/$		SUBVEI MADE
									M	A		No
26. TTPE ELECTRIC A	ND OTHER	LOGS RUN						TV K		No.		AS WELL CORED
None							<u></u>	<u> </u>		$\prime / $	No	0
29. CASING SIZE/GRADE	WEIGH	T. LB./FT.	CASI	NG RECO T (MD)		ort all si LE BIZE	rings set		MENT. CE	MENTING REC	ORD	AMOUNT PULLED
13 3/8"	.T-5	5, 50#	525	T	17	1/2"		Surfac	ė – f	00 sx.		-0-
9 5/8"	-	5, 36#	1727			1/4"				750 sx.		-0-
7"	S-9		8977	1	8	3/4"				.320 sx.	·	-0-
	<u></u>		<u> </u>	. <u>.</u>								
29. #IZE			ER RECORD					30.		TUBING R		PACKER BET (MD)
4 1/2"	TOP (NI 8759'		1847 '	алска са 375		SCREE	4 (MD)	812E	 -	DEPTH SET	(MD)	9,184'
<u> 4 1/2 </u>	67.59		1047						<u> </u>	9,184'		9,104
31. PERFORATION REC			•			82.		CID. SHOT	FRAC	TURE, CEM	ENT SQU	EEZE. ETC.
11661'-11664 11667'-11671		3 holes				DEPT	H INTERVA	L (MD)				MATEBIAL USED
11674'-11676		9 holes					7' - 941				15% H	CL, 41 ball
11716'-11719		6 holes					2'-945		seal		1697 17	TC
11402'-11408 11430'-11440		6 holes	·			925	0'-938	4		sealer		IC acid, 50
<u>11430 -11440</u> 33.•	10	<u>8 holes</u>	<u>, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,</u>	L. OII		U'CTIO	N			searen		
DATE FIRST PRODUCTS	ON	PRODUCTI	ON METHOD (lowing, g	as lift, pr	mping-	eise and	type of pur	mp)		ELL STATU shut-in)	a (Producing or
5/17/98	•	-	owing								roduc	
DATE OF TEST	HOURS T	EATED	CHOKE SIZE		I. FOR PERIOD			GAR-M	C¥.	WATER-	-88L.	GAS-OIL RATIO
5/18/98	24	RESSURE 1	1/4"	011		<u> </u>	-	64	WATER	14		N/A BRAVITT-API (CORB.)
475			24-HOUR BAT	6 j	-0-		.64	1	<u>14</u>			
34. DISPOSITION OF C	E (Bold, 1	used for fue	i, vented, etc.)	1				PTED EC	IB BF	יי דנהק	I Inessed I	IT
Sold							AUUL				ASS	
35. LIST OF ATTACHS	ENTE			····					9 199			
None							1			-		-
36. I hereby certify	IDEL THE	oregoing a	na attached in							all qualitat	ole recorda	•
SIGNED	MI	le pr	Jant _	TI	TLE R	egula	tory I	echerc	lan	D	ATE	8/26/98

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

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.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	
Lower Morrow	11,661'	11,719'	Gas & water	N N N N	MEAS, DEPTH	TRUE VERT. DEPTH
Sands Middle Morrow	11,402'	11,440'	Gas	Delaware Bone Spring	2150'	
Wolfcamp Lime-	9,407'	9,458'	Gas	Wolfcamp Strawn	8657' 10233'	
				Morrow Clastics Lower Morrow	3 11213' 11539'	
-					· .	.
					• •	
			·			
						• ·

WHITE WING 22 FED COM 23 Happy Valley (Wolfcamp) Plug Back continued:

31. 9,442'-9,458' 9,407'-9,418' 9,378'-9,384' 9,367'-9,369' 9,337'-9,339' 9,326'-9,329' 9,304'-9,313' 9,294'-9,296' 9,285'-9,287'	16' 11' 6' 2' 3' 7' 2' 2'	<pre>16 holes 11 holes 3 holes 2 holes 2 holes 3 holes 7 holes 2 holes 2 holes 2 holes</pre>	4 1/2" RBP set @ 9,400' w/5' sand on RBP.
9,285'-9,287' 9,280'-9,282' 9,258'-9,260' 9,248'-9,250'	2' 2' 2'	2 holes 2 holes 2 holes 2 holes 2 holes	

													1	
Form (July	3160-4 1992)						TES	SUBM	п п	N DUPLIC.	ATE+		RM APPROVED 5' B NO. 1004-0137	
	, ·				•••••	· · ·		ITERIO	5		other in-	Expires	s: February 28, 1995	
			DEP						1		rse side)	5. LEASE DES	BIGNATION AND BERIAL NO.	
•													ALLOTTEE OR TRIBE NAME	
				ON (ION	REPORT	A	ID LO	G t _{or}		ALLOTTEL OR TRIDE RAPE	
1a. T	YPE OF W	ELL	:	OIL WRLL	GAS WELL			Other	em:	s		7. UNIT AGRE	EMENT NAME	
<u>ь</u> т	YPE OF C	OMP	LETION:		ויין וינטא	<u>س</u> ام آ	· _ ^	11 S. 100	ວແ	ୁଅ ତି । ଅତିକାର ସ	924			
	WELL X		OVER	DEEP- EN	Влек		ivn. 🗆 į	Mesia, NI	<u>v</u> .	30 2 9.7		1	ng "22" Fed. Com.	
	ME OF OPE		-	1 C				18		ľ,	- Tal	9. APIWELLI	<u> </u>	
	DDRESS AL				as Corp.			1 <u>7</u> 1 1 1 1			<u>ير :</u>	-	10.	
					kway, Suj	ite 600	. 0k1	ahoma Ci ny State reguli	ी tvs	∴ ₀0K∈73_	134 🗉	10. FIELD AND	D POOL, OR WILDCAT	
	CATION OF V	A KILL	(Report	location	clearly and in	accordance	e with a	ny State requi	rcin Er	- ARIESI	β, ζ	Happy Va	alley Morrow	
					635' FWL	Seg.	2-225	5–26E	(.)	7111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		OR AREA	R., M., OR BLOCK AND SURVEY	
A 1	top prod.	inter	val report	ted below	IN AN		1					1		
۸t	total depti			١	M MM	nº /			(2 ₀₎	Zaz ^{ari, çî}		Sec. 22-2	T22S-R26E	
				$-\Lambda_1$	M NO	14/PE	RMIT NO	· · · ·	DATE	IBSUED		12. COUNTY O PARISH	E 13. STATE	
					WN 1		. Danda. 1		8/	25/97		l Eddy	NM	
	TE SPUDDED 30/97		16. DATE			TE COMPL.	(Ready i) F , RKB,	RT, GE, ETC.)*	19. ELEY. CABINGHEAD	
	AL DEPTH. M			16/97	ACK T.D., MD &	<u>/5/98</u>		TIPILE COMPL.		9' GL	ERVALS	ROTARY TOOL	S CABLE TOOLS	
11	,850'			11,80	81		ноw м N/			DRIL	LED BY	Yes		
		TERV				P, BOTTOM,		ND AND TYD)*		· · · · ·			25. WAS DIRECTIONAL SURVEY MADE	
	,402' -			Han	py Valle	v Morre	W							
11		- 1	1,440'	nap	py valle								27. WAS WELL CORND	
						- Nout	ron	Azimutha	1т	atorla	a Mia	ro-CFL/GR		
28.	Detet			0-Den				ort all strings	-		g mit	10-01L/ GR	105	
	NG SIZE/GRAD	E	WEIGHT	LB./FT.	DEPTH B			LE SIZE			MENT. CE	MENTING RECORD	AMOUNT PULLED	
13	3/8"		J-55,	50#	525	r	17	1/2"	S	urface	- 60	0 sx.	-0-	
	5/8"		J-55,	36#	1727	·		1/4"	S	urface	- 75	0 sx.		
7	11		S-95,	26#	8977		8	3/4"	<u>S</u>	urface	~ 13	20 sx.		
29.	<u> </u>	!		LI	VER RECORD	<u></u>	J	/		30.	,	TUBING RECO		
			TOP (MD)		TTOM (MD)	SACKS CI	MENT	SCREEN (MI)	SIZE		DEPTH BET (MD) PACKER SBT (MD)		
4	1/2"	8	759'		11847'	375				2 3/8		11,177'	11,177'	
T														
	,661-11				and number)	Retair	0	82.					SQUEEZE, ETC.	
	,667-11					11,614	-	DEPTH INT					D OF MATERIAL USED	
	,674-11					squeez		$\frac{11661-1}{11667-1}$					<u>1/2% acid, 70</u> 82,000 scf N2	
11	,716-11	,7	19' 3'	6 h	oles	perfs.		$\frac{11007-1}{11674-1}$					proppant,	
_						125 sz	c Cl H	1 11716-1					30% CO ₂ Medallian	
33.•								DU'CTION			400			
	IRET PRODU	CTIO	K			rlowing, g	ae (ift, p	umping—size	and i	ype of pur	m p)	shul	STATUS (Producing or t-in)	
	/98		HOURS TE		Owing CHOKE BIZE	PROD'I	N. FOR	OIL-BBL.		GAS-M	<u>cr</u> .	WATER-BBL	ducing	
3/7	/98		24			TEST	PERIOD	-0-		1 17		-0-		
~	TUBING PRES	-	CABING PR	BBBUKE	CALCULATED	01	881	GA8-	MCF.	1 17	WATER		OIL GRAVITY-API (CORR.)	
375					>	_()		7		DEOC	-0-		
34. DI	POSITION OF	FGAR	(Bold, us	ed for fu	el, vented, etc.)		1:50	1 12	EU FUR	HEUU	TO OLAS	ISED ST	
So1	d	- 11 24 -	NTS.						RIG	SGD)	DAVI	DR. GLASS	ي. 	
	ller's			c					SĿ	r v v	13.50		-	
					and attached	Information	is com	plete and corr	ect a	s determin	ed from	al available r	ecords	
		1 x X	11/	1 Ki	Ind)		Terrye	D.	BRUME			8/14/98	
81	GNED		7000		Jung	TI	TLE _					DATE	· · · · · · · · · · · · · · · · · · ·	

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

Fitle 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.

<pre>/ drill-stem, tests, in / recoveries):</pre>	cluding depth int	erval tested, cus	drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38. GEOL	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAMB	TOP	P
Lower Morrow	11,661'	11,719'	Gas & water		MEAS, DEPTH	VERT. DEPTH
Middle Morrow	11,402'	11,440'	Gas	Delaware Bone Spring	2150' 5090'	
Wolfcamp	9,407'	9,458'	Gas	Wolfcamp	8657°.	
Limestone				Atoka	10534	
				Morrow Clastics Lower Morrow		
<u></u>					· .	
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LOUIS DREYFUS NATURAL GAS CORP. WHITE WING "22" FED. COM #23 continued

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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:

Degre	es @ Depth	Degre	ees @ Depth	Degrees @ Depth	
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		
3¾	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: tou Klepm)~
Subscribed and sworn to before me this it day of Ainemper, 1997.
line Hemens
Notary Public

My Commission Expires: 9 16-3221

Lea County, New Mexico

				811	Cons. Divi 1 S. 1ST ST.		1			
Form 3160-3 (July 1992)			•	RTESIA	A, NM 882 105383 (Other	er instruct	tions on		OMB NO.	PPROVED
(July 1776)	חבי		TED STATE		r	reverse sid	de)		Expires: Febr	ruary 28, 1
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				_	L OR DEEP				DIAN, ALLOTT	
	DRILL		DEEPEN					7. UNIT /	AGREEMENT	NAMB
b. TYPE OF WELL OIL WELL 2. NAME OF OPERATOR	GAS WELL	OTHER			SINGLE X	MULTIPLI	<u>_</u>		ALEASE NAME IN 2154	ട
2. NAME OF OPERATOR LOUIS DREYFU 3. ADDRESS AND TELEPHONE	JS NATURA	AL GAS COR	PORATION	(KEN	NT SAMS) 2	<u>157</u>	7.3	WHITE 9. AT WEL	WING "2	<u>ጀ" ፑክ</u> ካ በ ዮ
14000 QUAIL	SPRINGS				HOMA CITY, C				AND POOL.	
4. LOCATION OF WELL At surface						Jut	K I		VALLEY	
1980' FSL & At proposed prod.	zone SAME	E WORTH	HODOX LO	XATI	ION LIKE	JECT T		SEC.		25-R26
14. DISTANCE IN MILE Approximate1		TION FROM NEAR	LEST TOWN OR POS		BY ST	المؤسسة فالمحيا بالهاكم		12. COUNT EDDY	TT OR PARISI	H 13. ST
15. DISTANCE FROM PR LOCATION TO NEAR	IOPUSED*			16. NO	0. OF ACERS IN LE.	18E		F ACRES AS		
PROPERTY OR LEAS (Also to Dearest of	drig. unit line.	e. if any)	60'		1520			320		
13. DISTANCE FROM PE TO NEAREST WELL, OR APPLIED FOR, ON	., DRILLING. CO	COMPLETED. 1010	0'	1	ROPOSED DEPTH			TARY	F TOULS	-
21. ELEVATIONS (Show			<u></u>		1,000	- <u></u>			ROX. DATE W	OBK WILL
23.			<u>3349'</u> GR.			<u></u>		As soc	on as a	pprove
					D CEMENTING PR					
SIZE OF ROLE		SIZE OF CASING	WEIGHT PER P	00T	SETTING DEPT				TTY OF CEME	
<u> </u>	Conduct	tor 20"	NA 54.5	1256	40' 153° 500'				<u>rface w</u>	
<u> </u>	<u>J-55</u> K-55	<u>13 3/8"</u> 9 5/8"	<u> 54.5</u> 36	المستخد المجت	500' 53:1700'				ulate to ulate to	
8 3/4"	S-95	7"	26	0000	9000'	+-			top of a	
6 1/8"	S-95 S-95	412"	13.5		11,800'				top of a	
APPROVAL S					\hat{C}	\mathbf{x}^{\prime}	1:0	; =		
SPECIAL STI ATTACHED	PULATION	SPROGRAM: If pr	SEE ATTACHE	give data c	on present productive	e zone and	proposed n	ew productiv	04	
SPECIAL STI	PULATION	NS <u>S</u> PROGRAM: If pr	roposal is to deepen, g	give data c	on present productive	e zone and	proposed no	ew productiv	▶ Г ♀ С ♀ С ∨ e zone. If pr 07/22	Q.C. 8/2 roposal is t
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Form 3160-5 (June 1990)	DEPARTMENT	ED STATES TOF THE INTERIOR AND MANAGEMENT	311 S. (st Arts a, Nie	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.
	SUNDRY NOTICES A rm for proposals to dril se "APPLICATION FOR		y to a different rese	6. If Indian, Allottee or Tribe Name
	SUBMIT	IN TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well Cil Gas Well Well	Other		 	8. Well Name and No.
2. Name of Operator Louis Dreyfus 3. Address and Telephone N	lo.			Whitewing"22" Fed Com 9. API Well No. #433 3001529833 #433
4. Location of Well (Footag 1980' FSL & 26		· · · · · · · · · · · · · · · · · · ·	7, OK 73134)324-1300	10. Field and Pool, or Exploratory Area Happy Valley 11. County or Parish, State
Section 22, T2	· <u>·</u> ··································			Eddy County, NM EPORT, OR OTHER DATA
	SUBMISSION		TYPE OF A	
Notice o	f Intent	Abandonm	ent	Change of Plans
Subseque	ent Report	Plugging E	lack	Non-Routine Fracturing Water Shut-Off
Final At	andonment Notice			Conversion to Injection Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	tions and measured and true vertica with ONSHORE ORDE ide Gas.			ice (H2S)
		ACCEPTED FOR RE	COBD	
		ORIG, SGD.) D. JUN 0 4 TS BLM		29 A IO 34
14. I hereby escuify that the Signed		TitleEnviron	mental & Safety	Director _{Date} <u>5-26-98</u>
Approved by Conditions of approval,		Tide		Date

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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 wity Redi-mix.
- 2. Drill 17¹/₂" 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 + ½# flocele/Sx + 2% Defoamer. Cement 2nd stage with 180 Sx. 65/35 POZ Class "C" + 6% Gel + ½# flocele/Sx. , tail in with 300 Sx. Self Stress (10/10) + 2% CaCl + ½# 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.

District I PO Box 1990, Hobbs, NM 55241-1990 District II PO Drawer DD, Artesia, NM 55211-9719 District III 1000 Rio Brazos Rd., Azter, NM 57410 District IV PO Box 2053, Santa Fe, NM 57504-2053

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

		W 7	ELL LC	JCATIO	N AND A	ACT	REAGE DEDI	ICATION P	LAT		
01	API Nemi		2-7	Pool Coo	de			Pool N	ame		
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CMD :ONGARD07/01/99 08:53:45OG61PRDINQUIRE PRODUCTION BY POOL/WELLOGOMES -TPNQOGRID Identifier :25773 LOUIS DREYFUS NATURAL GAS CORP.Page No: 1Docl Identifier :06605 WILDCAT WARDY WALLEY: P.S.SE								
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. Da	ys Produ	action Volumes	Well				
	MM/YY Pr	od Gas	Oil W	ater Stat				
30 15 29833 WHITE WING 22 FEDE	 270 09 98 16	3683	 568	96 F				
30 15 29833 WHITE WING 22 FEDER			264					
30 15 29833 WHITE WING 22 FEDE			128	F				
30 15 29833 WHITE WING 22 FEDE	RA 12 98 7		14	F				
30 15 29833 WHITE WING 22 FEDE	RA 01 99 20	1075	78	72 F				
30 15 29833 WHITE WING 22 FEDE	RA 02 99 28	1817	73	F				
30 15 29833 WHITE WING 22 FEDE	RA 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 : OG6IPRD INQUIRE PR	ONGARD ODUCTION BY POOL/	07/01/99 08:54:11 WELL OGOMES -TPNÇ Page No: 2
OGRID Identifier : 25773 LOUIS D Pool Identifier : 96605 WILDCAT API Well No : 30 15 29833 R	HAPPY VALLEY; B.S	
API Well No Property Name	Prodn. Days MM/YY Prod	Production Volumes Well Gas Oil Water Stat

30 15 29833 WHITE WING 22 FEDERA 04 99 30 1220 67 5 F

	Repo	orting Period	Total	(Gas, (Dil)	: 12	525	1262		176
	E0049	9: User may c	ontinue	e scroll	ling.					
PF01	HELP	PF02	PF03 I	EXIT	PF04	GoTo	PF05		PF06	CONFIRM
PF07	BKWD	PF08 FWD	PF09		PF10	NXTPOOL	PF11 (NXTOGD	PF12	

CMD:ONGARD07/01/99 08:55:3OG6IPRDINQUIRE PRODUCTION BY POOL/WELLOGOMES -TPN 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			ction Volumes Oil				
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:ONGARD07/01/99 08:57:14OG61PRDINQUIRE PRODUCTION BY POOL/WELLOGOMES - TPNC Page No: 2OGRID Identifier :25773 LOUIS DREYFUS NATURAL GAS CORP.Pool Identifier :96605 WILDCAT HAPPY VALLEY; B.S., SE. : 30 15 29833 Report Period - From : 01 1998 To : 12 1999							
API Well No Property Name	Prodn. Days Producti MM/YY Prod Gas						
 30 15 29833 WHITE WING 22 FEDERA 	019920107502992818170399311574	73 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							