

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Designation and Serial No.

NM 84847

Indian, Allottee or Tribe Name

NA

SUBMIT IN TRIPLICATE

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7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Aoudad Fed #2

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Eddy County, NM

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

2. Name of Operator

Louis Dreyfus Natural Gas

3. Address and Telephone No.

1400 Quail Springs Pkwy., Oklahoma City, OK 73134

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

1980' FNL & 990' FEL

S33, T22S, R26E

AUG 1 2 1996

OIL CON. DIV.
DIST. 2

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other H₂S Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

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

In compliance with Onshore Order No. 6,
this well produces Hydrogen Sulfide Gas.

Measurements indicate 13,006 ppm H₂S in the gas stream.

100 ppm ROE = 26 ft.

500 ppm ROE = 6 ft.

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
AUG 6 8 1996
BLM

AUG 5 2 27 PM '96

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

Signed

Title

Environmental & Safety Director

Date

02 August 1996

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

*See instruction on Reverse Side

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Laboratory Services, Inc.

1331 Tasker Drive

Hobbs, New Mexico 88240

Telephone: (505) 397-3713

AUG 5 2 27 PM '96

CARLSBAD
AREA

FOR:

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

SAMPLE

IDENTIFICATION: Aoudad Fed. #2

COMPANY: Louis Dreyfus Nat. Gas

LEASE:

PLANT:

SAMPLE DATA: DATE SAMPLED: 02-19-96 11:15 AM GAS (XX) LIQUID ()
ANALYSIS DATE: 02-19-96 SAMPLED BY: Rolland Perry
PRESSURE - PSIG 17.00 ANALYSIS BY: Vickie Walker
SAMPLE TEMP. °F
ATMOS. TEMP. °F 67.00
REMARKS: H2S = 13,006 PPM

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	1.30	
Nitrogen	(N2)	8.79	
Carbon Dioxide	(CO2)	0.18	
Methane	(C1)	3.61	
Ethane	(C2)	45.92	12.247
Propane	(C3)	27.29	7.503
I-Butane	(IC4)	3.76	1.228
N-Butane	(NC4)	5.57	1.753
I-Pentane	(IC5)	1.57	0.575
N-Pentane	(NC5)	1.05	0.381
Hexane Plus	(C6+)	0.96	0.393
		100.00	24.080

BTU/CU.FT. - DRY	1999
AT 14.650 DRY	1993
AT 14.650 WET	1958
AT 14.73 DRY	2003
AT 14.73 WET	1969

MOLECULAR WT. 37.5503

SPECIFIC GRAVITY -
CALCULATED
MEASURED

1.297

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CARLOS
AREA 1.5

AOUDAD FEDERAL #2

Radius of Exposure (ROE)
Hydrogen Sulfide Gas (H₂S)
Maximum Escape Volume = 3 MCF/D

100 ppm ROE

$$\left(\frac{(1.589) (\text{ppm}) (\text{MCF/D})}{1000} \right)^{.6258}$$
$$\left(\frac{(1.589) (13,006) (3)}{1000} \right)^{.6258} = 26 \text{ ft.}$$

500 ppm ROE

$$\left(\frac{(0.4546) (\text{ppm}) (\text{MCF/D})}{1000} \right)^{.6258}$$
$$\left(\frac{(0.4546) (13,006) (3)}{1000} \right)^{.6258} = 6 \text{ ft.}$$

Louis Dreyfus Natural Gas Corp.

P.O. Box 129
Whiteface, TX 79379

RECEIVED

August 2, 1996

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CARLSBAD
AREA 1 - 100 PPM ROE

Department of the Interior
Bureau of Land Management
P.O. Box 1778
Carlsbad, new Mexico 88210

In compliance with Onshore Order No. 6 and to protect public health and safety, Louis Dreyfus Natural Gas is filing the enclosed Sundry Notice to provide Hydrogen Sulfide information.

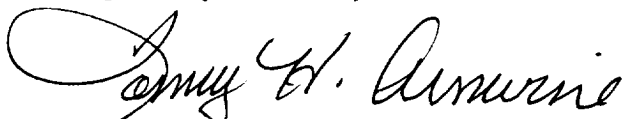
A Public Protection Plan will not be required on this site because:

- 1) the 100 ppm ROE does not exceed 3,000 feet.
- 2) the 100 ppm ROE does not exceed 50 feet and include any occupied residence, school, church, park, school bus stop, place of business, or other area where the public could reasonably be expected to frequent.
- 3) the 500 ppm ROE is not greater than 50 feet.

If further information is required contact me at (806) 525-4373.

This information is correct to the best of my knowledge and expertise.

Respectfully submitted,



Tommy H. Arnwine, A.S.P.
Environmental & Safety Director
Texas / New Mexico