

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

~~004334~~ NM 84847

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

AOUDAD FED. #1

9. API Well No.

3001528553

10. Field and Pool, or Exploratory Area

11. County or Parish, State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE MAR 2 1997

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LOUIS DREYFUS NATURAL GAS

3. Address and Telephone No.

14000 QUAIL SPRINGS PKWY SUITE 600 OKLAHOMA CITY, OK 73134

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

SEC. 33 T22S, R26E

NE/4 NE/4

560' FNL 990' FEL

12. 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.)*

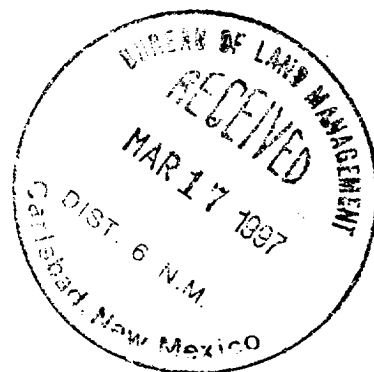
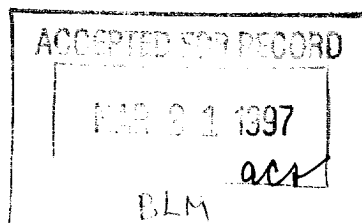
IN compliance with ONSHORE ORDER NO. 6 this well produces (H2S) Hydrogen Sulfide Gas.

Measurements indicate 11,619 ppm H2S in the gas steam.

100 ppm ROE = 21ft.

500 ppm ROE = 10ft.

@ 7 MCF/D



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

Signed [Signature]

Title Environmental & Safety Director

Date 3-11-97

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

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

SAMPLE Casing
IDENTIFICATION: Aoudad Fed. #1
COMPANY: Louis Dreyfus
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 12/27/96 10:40 AM
ANALYSIS DATE: 12/27/96
PRESSURE - PSIG 70
SAMPLE TEMP. °F
ATMOS. TEMP. °F 69

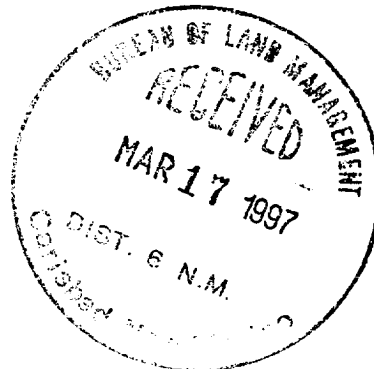
GAS (XX) LIQUID ()
SAMPLED BY: Rolland Perry
ANALYSIS BY: Vickie Walker

REMARKS: H2S = 11,619 PPM

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	1.16	
Nitrogen	(N2)	20.87	
Carbon Dioxide	(CO2)	0.25	
Methane	(C1)	31.63	
Ethane	(C2)	15.55	4.150
Propane	(C3)	9.35	2.570
I-Butane	(IC4)	3.09	1.008
N-Butane	(NC4)	7.31	2.299
I-Pentane	(IC5)	4.79	1.750
N-Pentane	(NC5)	3.35	1.210
Hexane Plus	(C6+)	2.65	1.089
		100.00	14.076
BTU/CU.FT. - DRY	1628		
AT 14.650 DRY	1623		
AT 14.650 WET	1595		
AT 14.73 DRY	1632		
AT 14.73 WET	1604		
SPECIFIC GRAVITY -			
CALCULATED	1.189		
MEASURED			

MOLECULAR WT. 34.4252



Aoudad Fed. #1

Radius of Exposure (ROE)

Hydrogen Sulfide Gas

Max. Escape Volume = 7 MCF/D

100 ppm ROE

$$\frac{((1.589 * \text{ppm} * \text{MCF/D}))}{1000} .6258$$

$$\frac{((1.589 * 11,619 * 7))}{1000} .6258 = \underline{21} \text{ feet}$$

500 ppm ROE

$$\frac{((0.4546 * 11,619 * 7))}{1000} .6258 = \underline{10} \text{ feet}$$





March 13, 1997

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 (915) 387-5355.

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

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'Tommy H. Arnwine'.

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

cc: Gene Simer