

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 004333 NM 84847
2. Name of Operator Louis Dreyfus Natural Gas	6. If Indian, Allottee or Tribe Name NA
3. Address and Telephone No. 14000 Quail Springs PKWY, Oklahoma City, OK 73134	7. If Unit or CA, Agreement Designation NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33, T 22S, R 26E	8. Well Name and No. Aoudad Fed. #2
	9. API Well No. 3001528554
	10. Field and Pool, or Exploratory Area
	11. County or Parish, State Eddy County, NM

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

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

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.)*

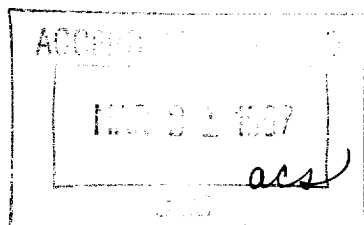
In compliance with Onshore Order No.6. This well produces (H2S) Hydrogen Sulfide Gas.

Measurements indicate 39,779 ppm H2S in the gas stream.

100 ppm ROE = 37 ft.

500 ppm ROE = 17 ft.

@ 5 MCF/D



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

Signed _____ Title **Environmental & Safety Director** Date **3-11-97**

(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



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
IDENTIFICATION: Aoudad Fed. #2
COMPANY: Louis Dreyfus
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 12/27/96 9:45 AM
ANALYSIS DATE: 12/30/96
PRESSURE - PSIG 30
SAMPLE TEMP. °F
ATMOS. TEMP. °F 66

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

REMARKS: H₂S = 39,779 PPM

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)	3.98	
Nitrogen (N ₂)	10.98	
Carbon Dioxide (CO ₂)	0.14	
Methane (C ₁)	10.34	
Ethane (C ₂)	41.52	11.082
Propane (C ₃)	23.20	6.377
I-Butane (IC ₄)	3.02	0.985
N-Butane (NC ₄)	4.32	1.358
I-Pentane (IC ₅)	1.19	0.433
N-Pentane (NC ₅)	0.75	0.271
Hexane Plus (C ₆ +) 0.56	0.229	
	100.00	20.735
BTU/CU.FT. - DRY 1792		
AT 14.650 DRY 1786		
AT 14.650 WET 1755		
AT 14.73 DRY 1796		
AT 14.73 WET 1765		
SPECIFIC GRAVITY - CALCULATED 1.209		
MEASURED		

MOLECULAR WT. 35.0115

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GLM
ROSWELL, NM



AOUDAD FED. #2

Radius of Exposure (ROE)

Hydrogen Sulfide Gas

Max. Escape Volume = 5 MCF/D

100 ppm ROE

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

$$\frac{((1.589 * 39,779 * 5))}{1000} .6258 = \underline{37} \text{ feet}$$

500 ppm ROE

$$\frac{((0.4546 * 39,779 * 5))}{1000} .6258 = \underline{17} \text{ feet}$$



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BLM
ROSWELL, NM



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 cursive script, reading "Tommy H. Arnwine".

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

cc: Gene Simer

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BY: [illegible]