

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.

MNSF 078895

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well

☐Oil
Well☒Gas
Well☐

Other

8. Well Name and No.

Mudge A #1

2. Name of Operator

Louis Dreyfus Natural Gas Corp

9. API Well No.

30-045-06653

3. Address and Telephone No.

14000 Quail Springs Parkway, Suite 600

Phone (405) 749-1300

10. Field and Pool or Exploratory Area

Kutz-Pictured Cliffs

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

1650' FSL & 1650' FWL

NE SW Sec. 7-27N-11W

11. County or Parish, State

San Juan Co., NM

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

TYPE OF SUBMISSION		TYPE OF ACTION	
<input checked="" type="checkbox"/>	Notice of Intent	<input checked="" 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 type="checkbox"/>	Other
		<input type="checkbox"/>	Change of Plans
		<input type="checkbox"/>	New Construction
		<input type="checkbox"/>	Non-Routine Fracturing
		<input type="checkbox"/>	Water Shut-Off
		<input type="checkbox"/>	Conversion to Injection
		<input type="checkbox"/>	Dispose Water

(Note: Report results of multiple completions or well completion or Recompletion Report and Log Form.)

13. Describe Proposed 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.)*

Cement 4" casing & stimulate Pictured Cliffs, as follows:

- A. MIRU WOU. Load hole with 2% KCl water. ND wellhead and NU BOP's. TOH w/1" tbg. PU 2-3/8" tbg string, 4-3/4" bit & 3-1/2" DCs. RIH w/tbg & BHA to CO w/treated water. Run fluid caliper to determine cement volume. TOH w/tbg & BHA.
- B. PU & RIH w/4" 10.46# flush jt csg string (± 1900') & 15-20' shoe jt. Land csg as close to bottom as possible (will have limited rat hole). RU BJ. Establish circu w/2% KCL wtr & cement 4" csg string w/± 45 sacks 35:65 poz + 12% gel + adds followed by 100 sacks 50:50 poz + adds (designed to raise cement to surface). RD BJ. WOC.
- C. Load & test csg. RU WL. RIH w/CBL & compensated neutron/GR logs. RIH w/csg gun to perforate Pictured Cliffs @ 1800-1820' (estimated) 81 holes. Actual perfs will be based on new logs. RD WL.
- D. RU BJ. Acid/balloff PC perfs via 4" csg w/1000 gals 15% HCL acid & ballsealers. Est rate @ 6-8 BPM @ ± 1000 psi. Flush w/2% KCL wtr. Surge balls off perfs & wait for balls to fall below perfs. Frac PC via 4" csg @ 60 BPM & ± 2200 psi surface treating pressure. Pump ± 50,000 gals 70Q N2 foam (20# XL base) and ± 90,000# 20/40 Arizona Sand & 10,000# 20/40 RCS. RD BJ.
- E. RIH w/2-3/8" tbg & CO to TD w/N2. POOH w/tbg.
- F. PU TA & RIH w/2-3/8" production tbg. PU & RIH w/3/4" rod string & 1-1/4" BHP. RDMO WOU. Build pad & install pump unit. Hang well on.
- G. Install rental wellhead compressor. Turn well to sales.

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

Signed

Title Engineer

Date

3/25/98

(This space for Federal or State office use)

Approved by

WAYNE TOWNSEND

Title

Pct Engr

Date

3/31/98

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 Instructions on Reverse Side

NMOC