

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

RECEIVED
BLM

68 MAR 30 PM 1:56

070 FARMINGTON, NM

5. Lease Designation and Serial No.

NMSF078895

6. If Indian, Allottee or Tribe Name

7. If under CA, Agreement Designation

8. Well Name and No.

Mudge A #2

9. API Well No.

30-045-06571

10. Field and Pool, or Exploratory Area

West Kutz, P.C. WEST

11. County or Parish, State

San Juan Co., NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
Well

☒ Gas
Well

☐ Other

2. Name of Operator

Louis Dreyfus Natural Gas Corp

3. Address and Telephone No.

14000 Quail Springs Parkway, Suite 600

Phone (405) 749-1300

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

990' FNL & 1650' FWL

NE NW Sec. 18-27N-11W

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 type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" 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 checked="" 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 liner & recomplete 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 (will be used later for production tbg), 4-3/4" bit, & 3 1/2" DCs. RIH w/2-3/8" tbg & BHA to CO w/treated wtr. Run fluid caliper to determine cement volume. TOH w/tbg & BHA.
- B. PU & RIH w/4" 10.46# flush jt csg string (\pm 1850') & 15-20' shoe jt. Land casing as close to bottom as possible (Will have limited rathole). RU BJ. Establish circu w/2% KCL wtr & cement 4" csg string w/ \pm 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 casing. RU WL. RIH w/CBL & compensated neutron/GR logs. RIH w/casing gun to perforate Pictured Cliffs @ 1765-1775' (estimated) (41 holes) 1795-1805' (estimated) (41 holes). Actual perfs will be based on new logs. RD WL.
- D. RU BJ. Acidize/balloff perfs via 4" csg w/1000 gals 15% HCL acid & ballsealers. Estimated rate 6 - 8 BPM @ \pm 1000 psi. Flush w/2% KCL water. Frac via 4" casing @ 60 BPM & \pm 2500 psi surface treating pressure. Pump \pm 50,000 gals 70Q N2 foam (20# XL liquid base) and \pm 100,000# 20/40 Arizona Sand. RD BJ.
- E. Recover load/clean out sand/ test as necessary.
- F. RIH w/2-3/8" prod tbg. ND BOP & NU wellhead. PU & RIH w/3/4" rod string & 1-1/4" BHP. RDMO. WOU.
- G. Build pad & install pump unit. Install wellhead compressor. Hang well on. Start pump unit. 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. Eng.

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

NMOCD