

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

2. Name of Operator

LOUIS DREYFUS NATURAL GAS CORP.

3a. Address

Suite 600

14000 QUAIL SPGS PKWY, OKLA CITY, OK 73134

3b. Phone No. (include area code)

405-749-1300

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

1980' FSL & 660' FEL, Sec. 12-27N-12W

5. Lease Serial No.

NMSF-079116

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Hancock 1

9. API Well No.

30-045-06668

10. Field and Pool, or Exploratory Area

Upper Pictured Cliffs

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Acidize



Altering Casing



Casing Repair



Change Plans



Convert to Injection



Deepen



Fracture Treat



New Construction



Plug and Abandon



Plug Back



Production (Start/Resume)



Reclamation



Recomplete



Temporarily Abandon



Water Disposal



Water Shut-Off



Well Integrity



Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1. Clean out to \pm 1900' (Pictured Cliffs). RIH with production liner to new PBTD. Cement to surface.

2. Perf PC perfs, acidize and frac treat, flowback.

3. RIH with production tubing, 1 1/4" BHP, rods. Install pumping unit, turn well to sales.

Note: See attached detailed procedures and wellbore schematic.

THIS APPROVAL EXPIRES JUL 01 2001

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

Name (Printed/Typed)

Carla Christian

Title Regulatory Technician

Signature

Carla Christian

Date November 29, 2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date 12/6/00

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

AMUCD

Louis Dreyfus Natural Gas Corporation

Hancock # 1 – Upper Pictured Cliffs Recompletion Procedure

Property Number 402221.001
API # 30-045-06668
Section 12, T27N, R12W
W. Kutz Field
San Juan County, New Mexico

Wellbore Data:

Spud Date: 4-10-50
TD Date: 5-18-50
Surface Casing: 13" 50# set @ 103 ft
Production Casing: 8-5/8" 24&32# set @ 1,773 ft
Tubing: 29 Jts 1", 53 Jts 1 1/4" (Jan '75)
PBSD: 1,900 feet

Current Perforations: Pictured Cliffs 1773-1900 OPEN HOLE

Current Well Status : Shut in

Recompletion Procedure:

1. MIRU WOU, reverse circulating equipment. Load hole w/2% KCl water. ND WH & NU BOP's.
2. TOH w/ 1" & 1 1/4" tubing & LD. Mix up mud with LCM. PU 2 3/8" tubing string, 6 1/4" bit & DC's. RIH w/ tubing & BHA . Clean out to TD (1900') if possible.
3. Run fluid caliper to determine cement volume. POOH and LD drilling assembly.
4. PU & RIH w/ 4 1/2" 10.5# J-55 casing string (\pm 1900 ft) and 15-20 ft. shoe joint. Land casing as close to bottom as possible (will have limited rat hole). RU BJ. Pump 20 bbl of Mud Clean and cement 4 1/2" casing string w/ 200 sacks 35:65 Poz:Class H + 6% Gel + 0.4% BA-10A + 0.2% CD-32 + 3% CaCl₂ + 10 #/sx CSE + 1/4#/sx CelloFlake (12.3 ppg – 2.16 cuft/sx) followed by 100 sacks Class H + 2% CaCl₂ + 1/4#/sx CelloFlake (15.6 ppg –1.18 cuft/sx).
5. RD BJ, WOC +/- 8 hours and run temperature survey on slick line for cement top if cement did not circulate.

Hancock #1 #1 – Pictured Cliffs Recompletion Procedure – Continued

6. ND BOP's, cut off casing and weld on bell nipple. NU BOP.
7. Load & test casing . RU WL. RIH w/ CBL & compensated neutron/GR logs. RIH w/casing gun to perforate Pictured Cliffs at _____ - _____ ft, ___ spf, ___ ft, ___ holes . Actual perfs will be based on new logs. RD WL.
8. RU BJ. Acidize/balloff PC perfs via 4 1/2 " casing w/ 1,000 gallons 15% HCl acid and ballsealers. Estimated rate at 6-8 BPM at \pm 1,000 psi. Flush with 2% KCl water. Surge balls off perfs and wait for balls to fall below perfs. Frac PC via 4 1/2" casing at 60 BPM and \pm 2,500 psi surface treating pressure. Pump \pm 50,000 gallons 70 Quality N2 foam (20# XL base) and \pm 85,000 # 20/40 Arizona Sand and 15,000 # 20/40 Arizona Sand & FlexSand. RD BJ.
9. Shut in well for 4 hours and then start flow back procedures to recover load.
10. RIH w/ 2-3/8" tubing, RU BJ & CO to TD w/ N2. POOH w/ tubing.
11. PU TA & RIH w/ 2-3/8" production tubing. ND BOP & NU WH. PU & RIH w/ 3/4" rod string & 1 1/4 " BHP. RDMO WOU. Install pumping unit. Hang well on.
12. Install rental wellhead compressor. Turn well to sales.

CDH 8/12/99