Form 1160-5 **DUNE 1990)**

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
REBUTE NIME NO 1004-0135
Expires: March 31, 1993

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SUNDRY NOTICES	AND	REPORTS	U.N	WELLS

NGMSBOT9262 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 If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE T Type of Well 8. Well Name and No Gas Oil MKL #8 Well Well 9. API Well No. 2. Name of Operator 30-039-06572 Louis Dreyfus Natural Gas Corp 10 Field and Pool, or Exploratory Area 3. Address and Telephone No. Blanco, S. Phone (405) 749-1300 14000 Quail Springs Parkway, Suite 600 11 County or Parish, State 4 Location of Well (Footage, Sec., T., R., M., or Survey Description 990' FEL & 1650' FSL Rio Arriba, NM NE SE Sec. 7-26N-7W TO INDICATE NATURE OF NOTICE REPORT OR OTHER DATA

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Non-Routine Fracturing Water Shut-Off		22	
Conversion to Injection		\supset	
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13 Describe Proposed Completed Operations (Clearly state all pertinent details, and give pertinent details. give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

Cement 3-1/2" tbg in open hole section to surface & recomplete to the Pictured Cliffs as follows.

- A. MIRU WOU. Load hole w/2% KCL wtr. ND WH & NU BOPs. TOH w/2-3/8" tbg. PU 4-3/4" bit & DCs & RIH w/tbg to CO open hole w/treated wtr to PBTD. Pump fluid caliper to determine hole volume. TOH w/tbg & BHA & lay down.
- B. PU & RIH w/3-1/2" 9.3# J55 tbg (\pm 1925') w/float equipment, land $\ddot{a}_{c} \pm 2190'$. RU BJ. Establish circulation w/2% KCL water & cement 3-1/2" tbg string w/115 sacks 50/50 Poz CI B + add (designed to raise cement to surface). RD BJ WOC.
- C. Load & test 3-1/2" tbg to 3000 psi. RU WL. Run CBL & Comp Neutron/Gr log. Be prepared to pressure casing to 1000 psi while running CBL.
- D. RIH w/csg gun to perf Pictured Cliffs $\hat{a} \pm 2120$ -40. 4 spf. Total 81 holes. (Actual perfs will be based on new logs.)
- E. RD WL. RU BJ Spearhead 250 gals 15% HCL acid via 3-1/2" tbg ahead of frac. Flush spearhead w/2% KCL wtr. Frac PC via 3-1/2" tbg \$\hat{a}_{e}\$ 60 BPM & \pm 4000 psi surface treating pressure. Pump \pm 51.500 gals 70Q N2 foam(30# linear gel) and 97,000# 20/40 Arizona Sand. RD BJ. Wait 2 hours & start fluid recovery on choke control.
- F. Clean-up frac load. Swab and/or CO w/N2 to PBTD.
- G. PU & RIH w/1-1/4" production tbg. ND BOP & NU wellhead. RDMO WOU.
- H. Continue to clean up load. Turn well to sales

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14 Thereby certify that the foregoing is true and correct				
Signed // /	Title	Engineer	Date	10/20/97
(This space left edgla or State office use)				
Approved by	Title		Date NOV (4 1997
Conditions of approval, if any:				