

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2837

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

*CLSF*

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 type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. NM 0453201
2. Name of Operator Louis Dreyfus Natural Gas Corp		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 14000 Quail Springs Parkway, Suite 600      Phone (405) 749-1300		7. If Unit or CA, Agreement Designation NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2479' FSL & 1880' FWL Sec 1 - T23S - R25E      Sheep Draw Morrow & Sheep Draw Strawn Commingled		8. Well Name and No. Squaw Federal # 3
		9. API Well No. 30-015-25379 S1
		10. Field and Pool, or Exploratory Area Sheep Draw Morrow & Strawn
		11. County or Parish, State Eddy, New Mexico

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 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 on 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.)\*

SEE ATTACHED COMPLETION PROCEDURE AND WELL SCHEMATIC.

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

Signed *Herb Sam* Title *Production Eng* Date *11/17/97*

(This space for Federal or State office use)  
Approved by (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date JAN 24 1997

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

# LOUIS DREYFUS NATURAL GAS CORP

## SQUAW FEDERAL # 3 "K" Sec 1-T23S-R25E EDDY COUNTY, NEW MEXICO

PURPOSE: Abandon the Atoka/ Morrow and complete the Strawn, if Strawn not productive, complete the Penn Lime.

1. MI & RU completion unit. Load tbg w/ 2 % KCL water. ND well head and NU BOP.
2. Release packer and TOOH w/ tubing. See schematic for details.
3. Set 5" OD CIBP at 10,390'.
4. Load casing with 2% KCL water and test casing to 1000 psi. Spot 50' cement on CIBP.
5. MI&RU wireline. Perforate Strawn as follows:  
Correlate perforations to Schlumberger CN/Litho-Den dated 10/29/85.  
Utilize a 4" casing gun to perforate.

Strawn	10,095 - 134'	39'	20 holes
	10,187'	1'	2 hole
	10,200 - 222'	22'	12 holes
	10,234 - 244'	10'	6 holes
	10,280 - 306'	26'	14 holes
	10,332'	1'	2 holes
	10,373'	1'	2 holes
	10,379'	1'	2 holes
	<hr/>		
	TOTALS	101'	60 holes

6. TIH w/ 5" Lok-Set packer, on/off tool, w/ 2.25" "F" profile to 10,380'. Spot acid per recommendation. over Strawn 10,095 to 10,379'. Pull packer to 9970', reverse excess acid into tbg. Set packer at 9970'.
7. Acidize well per attached recommendation.
8. Swab load and put on production. If well not productive, set CIBP at 10,045' & cap w/ 50' of cement. Move to next step. If Strawn productive produce well and perform Penn Lime completion at later date.
9. TIH w/ 5" Lok-Set packer, on/off tool, w/ 2.25" "F" profile to 9770'. Spot 500 gals of Fer Chk II acid over Penn lime 9754 to 9770'. Pull packer to 9625', reverse excess acid into tbg. Set packer at 9625'.
10. Swab fluid level down to 1200' from surface.
11. MI&RU wireline. Perforate Penn Sand as follows:  
Correlate perforations to Schlumberger CN/Litho-Den dated 10/29/85.  
Utilize a 2 1/8" hollow carrier perforating gun Phased at 90 degrees.  

Penn Lime	9,754 to 9,770	16 ft	33 holes
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12. Use spot acid to break down perms if necessary and acidize well with 1500 gals Fer Chk II acid and 40 ball sealers.
13. Stimulate well per attached recommendation.
14. Swab load and put on production.

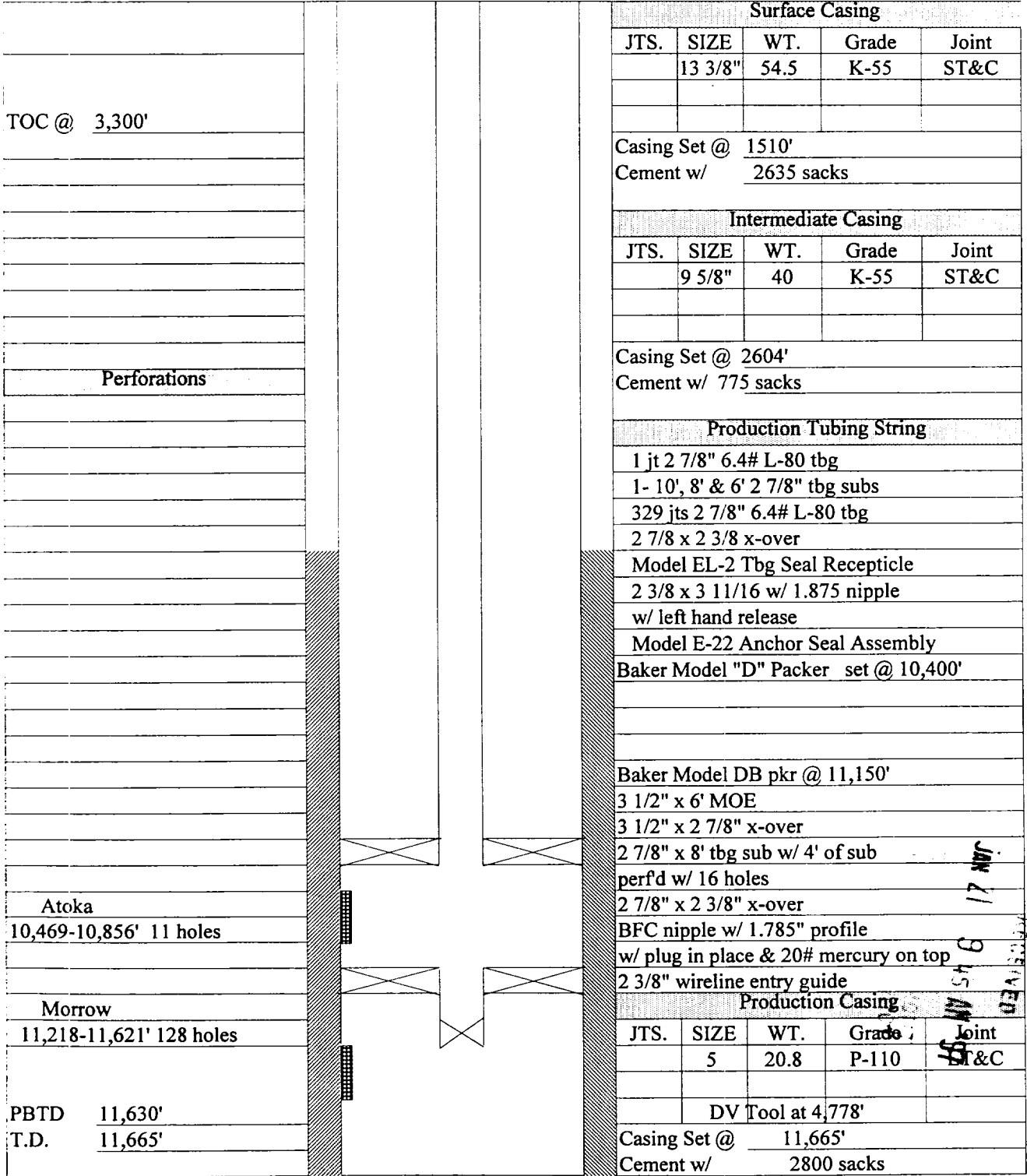
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# LOUIS DREYFUS NATURAL GAS CORP.

## WELL SCHEMATIC

OPERATOR: LDNGC  
 FIELD: Sheep Draw  
 DATE: December 4, 1996  
 API #: 30-015-25379

WELL NO.: Squaw Federal # 3  
 LOCATION: 2479' FSL & 1880' FWL  
 "K" Sec 1-T23S-R25E  
 COUNTY: Eddy  
 STATE: New Mexico  
 W.I.- 100.00%      NRI- 79.50%



Surface Casing				
JTS.	SIZE	WT.	Grade	Joint
	13 3/8"	54.5	K-55	ST&C
Casing Set @ 1510'				
Cement w/ 2635 sacks				
Intermediate Casing				
JTS.	SIZE	WT.	Grade	Joint
	9 5/8"	40	K-55	ST&C
Casing Set @ 2604'				
Cement w/ 775 sacks				
Production Tubing String				
1 jt 2 7/8" 6.4# L-80 tbg				
1- 10', 8' & 6' 2 7/8" tbg subs				
329 jts 2 7/8" 6.4# L-80 tbg				
2 7/8 x 2 3/8 x-over				
Model EL-2 Tbg Seal Recepticle				
2 3/8 x 3 11/16 w/ 1.875 nipple				
w/ left hand release				
Model E-22 Anchor Seal Assembly				
Baker Model "D" Packer set @ 10,400'				
Baker Model DB pkr @ 11,150'				
3 1/2" x 6' MOE				
3 1/2" x 2 7/8" x-over				
2 7/8" x 8' tbg sub w/ 4' of sub				
perfd w/ 16 holes				
2 7/8" x 2 3/8" x-over				
BFC nipple w/ 1.785" profile				
w/ plug in place & 20# mercury on top				
2 3/8" wireline entry guide				
Production Casing				
JTS.	SIZE	WT.	Grade	Joint
	5	20.8	P-110	ST&C
DV Tool at 4,778'				
Casing Set @ 11,665'				
Cement w/ 2800 sacks				

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