

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 31321  
Name: Louis Dreyfus Natural Gas Corp.  
Address: Suite 600  
14000 Quail Springs Parkway  
City/State/Zip Oklahoma City, OK 73134  
Purchaser: Oneok Field Services  
Operator Contact Person: Lenora Sawyer  
Phone (405) 748-2725  
Contractor: Name Cheyenne Drilling  
License: 5382  
Wellsite Geologist: NA

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover  
☐ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.  
☒ Gas ☐ ENHR ☐ SIGW  
☐ Dry ☐ Other (Core, WSW, Expl. Cathodic, etc.)

If Workover:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
☐ Deepening ☐ Re-perf. ☐ Conv. To Inj/SWD  
☐ Plug Back ☐ PBTD  
☐ Commingled ☐ Docket No. \_\_\_\_\_  
☐ Dual Completion ☐ Docket No. \_\_\_\_\_  
☐ Other (SWD or Inj?) ☐ Docket No. \_\_\_\_\_  
9/4/01 9/6/01 9/29/01  
Spud Date Date Reached TD Completion Date

API NO. 15 - 075-20764 **COPY**  
County Hamilton E  
SW - SW - NE - NW Sec. 4 Twp. 23S Rge. 41 X W  
1250' Feet from S / N (circle one) Line of Section  
1450' Feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE SE NW or SW (circle one)

Lease Name HCU Well # 431-C  
Field Name Bradshaw  
Producing Formation Chase  
Elevation: Ground 3467.6' KB 3474.6'  
Total Depth 2670' PBTD 2620'  
Amount of Surface Pipe Set and Cemented at 320' Feet  
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No  
If yes, show depth set NA Feet  
If Alternate II completion, cement circulated from 2665'  
feet depth to Surface w/ 550 sx cmt

Drilling Fluid Management Plan ALT 2 gH 12/24/02  
(Data must be collected from the Reserve Pit)

Chloride content 6100 ppm Fluid volume 800 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter Sec. Twp S Rng. E / W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CD-4 form with all plugged wells. Submit CP-111 with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Lenora Sawyer Date 10/4/01  
Regulatory Technician  
Subscribed and sworn to before me this 4th day of October  
Notary Public Monie A. Renfro  
Date Commission Expires 9-01-05

K.C.C. OFFICE USE ONLY	
F	<input checked="" type="checkbox"/> Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/> Wireline Log Received
C	<input type="checkbox"/> Geologist Report Received
Distribution	
KCC	<input type="checkbox"/> SWD/Rep
KGS	<input type="checkbox"/> Plug
	<input type="checkbox"/> NGPA
	<input type="checkbox"/> Other (Specify)

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OCT 09 2001  
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Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 431-C  
 Sec. 4 Twp. 23 Rge. 41 ☐ East  
☒ West County Hamilton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☐ Yes ☒ No ☐ Log Formation (Top), Depth and Datum ☐ Sample  
 (Attach Additional Sheets.) Name Top Datum  
 Samples Sent to Geological Survey ☐ Yes ☒ No  
 Cores Taken ☐ Yes ☒ No See Attached Driller's Log  
 Electric Log Run ☒ Yes ☐ No  
 (Submit Copy.)

List All E.Logs Run:

Gamma Ray / CCL

### CASING RECORD

☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	320'	Class "C"	200	2% cc + 1/4# flocele
Production	7-7/8"	4-1/2"	10.5#	2665'	Class "C"	350	3% D79 + 1/4#D29
					Class "C"	200	2% S1 + 1/4#D29

### ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Materials Used)	Depth
3 spf	2548-62'	Acidize w/1000 gal 50Q 15% acid Frac w/1000 gal 50Q 2% KCl water spacer +5000 gal 65Q foam pad + 11000 gal 65Q foam + 16000# 12/20 brown sand + 16000# CR-4000 resin coated sand Flush w/1700 gal 65Q foam.	2548- 2562'

TUBING RECORD	Size 2-3/8"	Set At 2615'	Packer At NA	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9/27/01	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil NA Bbls	Gas 96 Mcf	Water 300 Bbls.	Gas-Oil Ratio NA Gravity NA

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled  
 (If Vented, submit ACO-18.) ☐ Other (Specify)

ORIGINAL

DRILLER'S LOG

LOUIS DREFUS NATURAL GAS CORP  
HCU 431-C  
SECTION 4-T23S-R41W  
HAMILTON COUNTY, KANSAS

COMMENCED: 09-04-01  
COMPLETED: 09-06-01

SURFACE CASING: 321' OF 8 5/8" CMTD  
W/200 SKS CLASS C + 2% CC + 1/4#/SK  
FLOCELE.

FORMATION

DEPTH

SURFACE HOLE	0 - 320
RED BED	320 - 1495
GLORIETTA	1495 - 1770
RED BED	1770 - 2670 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

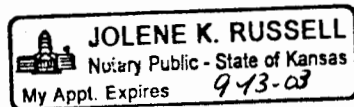
*Wray Valentine*  
WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 7th DAY OF SEPTEMBER, 2001.

JOLENE K. RUSSELL

*Jolene K. Russell*  
NOTARY PUBLIC



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