

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: \_\_\_\_\_

Operator Contact Person: LENORA SAWYER

Phone ( 405 ) 748-2725

Contractor: Name: \_\_\_\_\_

License: CONSERVATION DIVISION

WICHITA, KS

Wellsite Geologist: \_\_\_\_\_

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: Louis Dreyfus Natural Gas Corp.

Well Name: HCU 1441-B

Comp. Date 12/17/79 Old Total Depth 2400'

\* Deepening  Re-perf.  Conv. to Inj.  SWD  
 Plug Back \_\_\_\_\_ PBT  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. 27,651

6/16/99 6/19/99 6/22/99  
Spud Date Date Reached TD Completion Date  
\*(Deepened from 2400' to 2720')

API NO. 15- 075-20235-0001

County Hamilton

- C - SW - NE Sec. 14 Twp. 24S Rge. 41  E  W

3300 Feet from  N (circle one) Line of Section

1980 Feet from  W (circle one) Line of Section

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

Lease Name HCU Well # 1441-B

Field Name Bradshaw

Producing Formation Council Grove - Injection Formation

Elevation: Ground 3242' KB \_\_\_\_\_

Total Depth 2720' PBT \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 247' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 247

feet depth to Surface w/ 225 sx cmt.

Drilling Fluid Management Plan OWWO, 7-2-99  
(Data must be collected from the Reserve Pit) *uc*

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

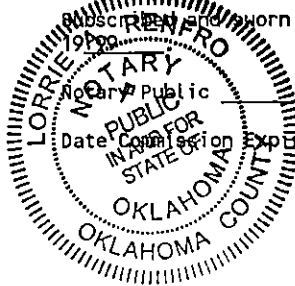
County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 CP-4 form with all plugged wells. Submit CP-111 form 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  
Title Regulatory Technician Date 6/23/99

Subscribed and sworn to before me this 23rd day of June,  
1999  
Notary Public  
Lorrie A. Renfro  
Date of Commission Expires 9/01/01



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

ORIGINAL

SIDE TWO

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 1441-B

Sec. 14 Twp. 24S 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 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No (Submit Copy.)  
 List All E.Logs Run:

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 Council Grove 2625'

**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"                    | 28#             | 247'          | Class H        | 225          | 3% Gel                     |
| Production        | 7-7/8"            | 4-1/2"                    | 10.5#           | 2400'         | Class H        | 475          | 4% Gel                     |
|                   |                   |                           |                 |               | 50/50 Poz      | 75           | 18% Salt                   |

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

| Purpose:  | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|------------------|----------------|-------------|----------------------------|
| <input type="checkbox"/> Perforate                |                  |                |             |                            |
| <input type="checkbox"/> Protect Casing           | 2325 2329        | RFC 12-3       | 50          | Thixo                      |
| <input type="checkbox"/> Plug Back TD             |                  |                |             |                            |
| <input checked="" type="checkbox"/> Plug Off Zone |                  | Class H        | 50          | 2% CaCl                    |

| 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 Material Used) Depth |
|----------------|--|--|
|                |  | Acidize Council Grove w/5000 gal 15% 2625-75'  |
|                |  | HCl & 1000 gal. Salt Wtr containing  |
|                |  | 1500 psi Rock Salt ( Kevin Strube w/   |
|                |  | KCC ran MIT)   |

**TUBING RECORD** Size 2-3/8" Set At 2370' Packer At 2370' Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. Subject to KCC approval \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           |         |             |               |         |

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_  
 METHOD OF COMPLETION \_\_\_\_\_ Production Interval \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_