

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

API NO. 15 - 075-20719 - 00-00 **ORIGINAL**
County Hamilton
- C - E2 - NW Sec. 9 Twp. 22S Rge. 40 X W^E

1320' Feet from S / N (circle one) Line of Section
1980' 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 # 920-C

Field Name Bradshaw

Producing Formation Chase

Elevation: Ground 3558' KB 3563'

Total Depth 2907' PBDT 2860'

Amount of Surface Pipe Set and Cemented at 303' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 303'

feet depth to Surface w/ 175 sx cmt

Drilling Fluid Management Plan ALT #2 KJR 7/05/07
(Data must be collected from the Reserve Pit)

Chloride content 75000 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. _____

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
X New Well _____ Re-Entry _____ Workover _____

Oil _____ SWD _____ SLOW _____ Temp. Abd.
X 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 _____ PBDT _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

8/3/00 8/4/00 8/30/00
Spud Date Date Reached TD Completion Date

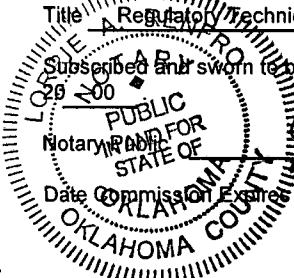
STATE CORPORATION COMMISSION
RECEIVED
SEP 01 2000
Wichita, Kansas
CONSERVATION DIVISION

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 compiled with and the statements herein are complete and correct to the best of my knowledge.

Signature Lenora Sawyer
Title Regulatory Technician Date 8/30/00

Subscribed and sworn to before me this 30th day of August



Bonnie A. Reyer
Date 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) | | |

Operator Name Louis Dreyfus Natural Gas Corp.

Lease Name HCU Well # 920-C

Sec. 9 Twp. 22S Rge. 40 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:

Scintillation Gamma Ray

| CASING RECORD | | | | | | | |
|--|-------------------|---------------------------|-----------------|---------------|----------------|--------------|-----------------------------|
| <input checked="" type="checkbox"/> New <input type="checkbox"/> 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" | 23# | 303' | 35-65 Poz | 50 | 6% gel, 2% cc, 1/4# flocele |
| | | | | | Class "C" | 125 | 2% cc, 1/4# flocele |
| Production | 7-7/8" | 4-1/2" | 10.5# | 2898' | Cl "C" | 350 | 3% D79 + 1/4 pps D29 |
| | | | | | Cl "C" | 200 | 2% S1 + 1/4 pps D29 |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | | |
|---|-------|--------|----------------|-------------|----------------------------|
| Purpose: | Depth | | Type of Cement | #Sacks Used | Type and Percent Additives |
| | Top | Bottom | | | |
| <input type="checkbox"/> Perforate | | | | | |
| <input type="checkbox"/> Protect Casing | | | | | |
| <input type="checkbox"/> Plug Back TD | | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type | | Acid, Fracture, Shot, Cement Squeeze Record | |
|----------------|---|--|--|------------|
| | Specify Footage of Each Interval Perforated | | (Amount and Kind of Materials Used) | Depth |
| 3 spf | 2720-23' | | Frac w/1000 gal 50Q 15% HCl acid + 16,000 gal 65Q WF 130 + 16,000# 12/20 | 2720-2738' |
| 3 spf | 2728-38' | | Brady sand + 16,000# 12/20 resin coated sand | |
| | | | | |

| TUBING RECORD | | | | Liner Run | |
|--|-------------|------------|--|---------------|------------|
| Size | Set At | Packer At | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 2-3/8" | 2811' | | | | |
| Date of First, Resumed Production, SWD or Inj. 8/24/00 | | | 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 91 Mcf | Water 526 Bbls. | Gas-Oil Ratio | Gravity NA |

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2720-2738'
 (If Vented, submit ACO-18.) Other (Specify) _____

DRILLER'S LOG

LOUIS DREYFUS NATURAL GAS CORP
HCU 920
SECTION 5-T22S-R40W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-02-00
COMPLETED: 08-05-00

SURFACE CASING: 303' OF 8 5/8" CMTD
W/50 SKS POZ "C" + 2% CC + 1/4#/SK
FLOCELE. TAILED IN W/125 SKS CLASS C
+ 2% CC + 1/4#/SK FLOCELE.

| FORMATION | DEPTH |
|--------------|-----------------|
| SURFACE HOLE | 0 - 303 |
| RED BED | 303 - 1790 |
| GLORIETTA | 1790 - 1930 |
| RED BED | 1930 - 2907 RTD |

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

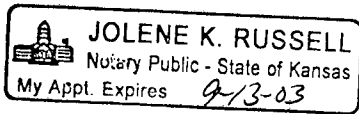
CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 8TH DAY OF AUGUST, 2000.

JOLENE K. RUSSELL

NOTARY PUBLIC

ORIGINAL



Cementing Service Report

Customer: **LOUIS DREYFUS NATURAL GAS CORP** Job Number: **20170222**

| Well: HCU 920-C | | Location (tag): 9-22S-40W | | Dowell Location: Ulysses, KS | | Job Start: 8/4/00 | |
|---|---------|--|----------------|---|------------------|-------------------------------------|---------------------|
| Field: BRADSHAW | | Formation Name/Type: CHASE | | Deviation: 0 | | Well MD: 2,907 ft | |
| County: HAMILTON | | State/Province: KS | | BHP: 100 °F | | Well TVD: 2,907 ft | |
| Rig Name: CHEYENNE 8 | | Drilled For: Gas | | Service Via: Land | | Pore Press. Gradient: psi/ft | |
| Offshore Zone: | | Well Class: New | | Well Type: Development | | Casing/Insr: | |
| Drilling Fluid Type: Bentonite | | Max. Density: 9.2 lb/gal | | Plastic Viscosity: 35 cp | | Tubing/Drill Pipe: | |
| Service Line: Cementing | | Job Type: Cem Prod Casing | | Depth, ft: 0 | | Size, in: 0 | |
| Max. Allowed Tubing Pressure: psi | | Max. Allowed Ann. Pressure: psi | | Wellhead Connection: 4 1/2" HS&M | | Perforations/Open Hole: | |
| Service Instructions: 4 1/2" production casing in 7 7/8" open hole 350 sk C + 3% D79 + 1/4 pps D29 @ 11.1 ppg 200 sk C + 2% S1 + 1/4 pps D29 @ 14.8 ppg Displace w/ rig water, add 167 ppt M117 to flush (2%) Get well name and directions to the next well, let me know | | Top, ft | | Bottom, ft | | spf | |
| | | | | | | No. of Shots | |
| | | | | | | Total Interval | |
| | | | | | | ft | |
| | | | | | | Diameter | |
| | | | | | | in | |
| | | Treat Down | | Displacement | | Packer Type | |
| | | Casing | | 45.5 bbl | | None | |
| | | Tubing Vol. | | Casing Vol. | | Annular Vol. | |
| | | bbl | | 46 bbl | | 90 bbl | |
| | | | | | | Packer Depth | |
| | | | | | | ft | |
| | | | | | | Open Hole Vol | |
| | | | | | | bbl | |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | | 1 Hole Volume Circulated prior to Cementing <input type="checkbox"/> | | Casing Tools | | Squeeze Job | |
| Lift Pressure: 1919 psi | | Pipe Rotated <input type="checkbox"/> | | Pipe Recirculated <input checked="" type="checkbox"/> | | Shoe Type: Auto-Fill | |
| No. Centralizers: 10 | | Top Plugs: 1 | | Bottom Plugs: 0 | | Shoe Depth: 2902 ft | |
| Cement Head Type: Single | | Job Scheduled For: 8/4/00 19:30 | | Arrived on Location: 8/5/00 1:30 | | Leave Location: 8/5/00 1:30 | |
| | | | | | | Stage Tool Type | |
| | | | | | | Tool Depth: 0 ft | |
| | | | | | | Stage Tool Depth: 0 ft | |
| | | | | | | Tail Pipe Size: 0 in | |
| | | | | | | Collar Type: Other | |
| | | | | | | Tail Pipe Depth: 0 ft | |
| | | | | | | Collar Depth: 2860 ft | |
| | | | | | | Seq Total Vol: 0 bbl | |
| Time | Q (bbl) | Density (ppg) | Pressure (psi) | Temperature (°F) | Tool Joint (bbl) | Message | |
| 23:06 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION |
| 23:06 | 0. | 5. | -3549 | 0. | 0. | 0 | |
| 23:07 | 0. | 8.31 | 9.16 | 0. | 0. | 0 | |
| 23:07 | 0.007 | 8.28 | 746.3 | 0. | 0.007 | 0 | |
| 23:08 | 0.018 | 8.28 | 3379 | 0. | 0.018 | 0 | |
| 23:08 | 0.018 | 8.28 | 3379 | 0. | 0.018 | 0 | Pressure Test Lines |
| 23:08 | 0.018 | 8.31 | 22.89 | 0. | 0.018 | 0 | |
| 23:09 | 0.018 | 8.3 | 13.74 | 0. | 0.018 | 0 | |
| 23:09 | 0.018 | 8.3 | 13.74 | 0. | 0.018 | 0 | Start Pumping Water |
| 23:09 | 1.27 | 8.2 | 283.9 | 5.82 | 1.27 | 0 | |
| 23:10 | 4.35 | 8.18 | 302.2 | 6.15 | 4.35 | 0 | |
| 23:10 | 7.45 | 8.01 | 306.8 | 6.18 | 7.45 | 0 | |
| 23:11 | 7.45 | 8.01 | 306.8 | 6.18 | 7.45 | 0 | [CumVol]=10.44 bbl |
| 23:11 | 0. | 8.19 | 325.1 | 6.15 | 10.54 | 0 | |
| 23:11 | 7.45 | 8.01 | 306.8 | 6.18 | 7.45 | 0 | Reset Volume |
| 23:11 | 3.1 | 8.33 | 311.4 | 6.15 | 13.65 | 0 | |
| 23:12 | 3.1 | 8.33 | 311.4 | 6.15 | 13.65 | 0 | Reset Volume |
| 23:12 | 3.1 | 8.33 | 311.4 | 6.15 | 13.65 | 0 | [CumVol]=5.783 bbl |
| 23:12 | 0.307 | 9.7 | 338.8 | 6.1 | 16.74 | 0 | |
| 23:12 | 3.37 | 11.45 | 370.9 | 6.12 | 19.8 | 0 | |
| 23:13 | 6.46 | 11.15 | 348. | 6.15 | 22.89 | 0 | |
| 23:13 | 9.57 | 11.22 | 325.1 | 6.21 | 26. | 0 | |

| Well | | | Field | | | Service Date | | Customer | | Job Number | |
|-------------|---------|---------|----------|---------------|----------|--------------|---|-----------------------|--|------------|--|
| HCU #920-C | | | BRADSHAW | | | | | S DREYFUS NATURAL GAS | | 20170722 | |
| Time | Control | Density | Pressure | Tool Pressure | Tool Val | | | Message | | | |
| 24 hr clock | psi | ppg | psi | bpm | bbl | | | | | | |
| 23:14 | 12.68 | 11.09 | 302.2 | 6.18 | 29.11 | 0 | 0 | | | | |
| 23:14 | 15.8 | 10.97 | 293 | 6.21 | 32.23 | 0 | 0 | | | | |
| 23:15 | 18.92 | 10.87 | 270.1 | 6.21 | 35.35 | 0 | 0 | | | | |
| 23:15 | 22.04 | 11.05 | 270.1 | 6.21 | 38.47 | 0 | 0 | | | | |
| 23:16 | 25.17 | 10.97 | 247.3 | 6.24 | 41.6 | 0 | 0 | | | | |
| 23:16 | 28.3 | 11.73 | 219.8 | 6.24 | 44.73 | 0 | 0 | | | | |
| 23:17 | 31.43 | 11.84 | 265.6 | 6.21 | 47.86 | 0 | 0 | | | | |
| 23:17 | 34.57 | 11.62 | 178.6 | 6.24 | 51 | 0 | 0 | | | | |
| 23:18 | 37.72 | 11.36 | 169.4 | 6.24 | 54.15 | 0 | 0 | | | | |
| 23:18 | 40.86 | 11.29 | 169.4 | 6.26 | 57.29 | 0 | 0 | | | | |
| 23:19 | 44 | 11.14 | 164.8 | 6.26 | 60.43 | 0 | 0 | | | | |
| 23:19 | 47.14 | 11.17 | 164.8 | 6.24 | 63.56 | 0 | 0 | | | | |
| 23:20 | 50.27 | 11.12 | 169.4 | 6.24 | 66.7 | 0 | 0 | | | | |
| 23:20 | 53.4 | 10.99 | 160.3 | 6.26 | 69.83 | 0 | 0 | | | | |
| 23:21 | 56.53 | 10.93 | 160.3 | 6.24 | 72.96 | 0 | 0 | | | | |
| 23:21 | 59.67 | 10.85 | 160.3 | 6.24 | 76.1 | 0 | 0 | | | | |
| 23:22 | 62.81 | 10.78 | 160.3 | 6.24 | 79.24 | 0 | 0 | | | | |
| 23:22 | 65.94 | 10.77 | 160.3 | 6.24 | 82.37 | 0 | 0 | | | | |
| 23:23 | 69.07 | 11.23 | 169.4 | 6.21 | 85.5 | 0 | 0 | | | | |
| 23:23 | 72.21 | 11.35 | 169.4 | 6.24 | 88.64 | 0 | 0 | | | | |
| 23:24 | 75.33 | 11.2 | 164.8 | 6.24 | 91.76 | 0 | 0 | | | | |
| 23:24 | 78.47 | 11.01 | 164.8 | 6.24 | 94.9 | 0 | 0 | | | | |
| 23:25 | 81.6 | 11.08 | 164.8 | 6.24 | 98.03 | 0 | 0 | | | | |
| 23:25 | 84.75 | 10.14 | 137.4 | 6.24 | 101.2 | 0 | 0 | | | | |
| 23:26 | 84.75 | 10.14 | 137.4 | 6.24 | 101.2 | 0 | 0 | Remark | | | |
| 23:26 | 87.89 | 10.92 | 160.3 | 6.24 | 104.3 | 0 | 0 | | | | |
| 23:26 | 91.02 | 11.3 | 169.4 | 6.24 | 107.5 | 0 | 0 | | | | |
| 23:27 | 94.16 | 11.45 | 174 | 6.24 | 110.6 | 0 | 0 | | | | |
| 23:27 | 97.29 | 11.12 | 164.8 | 6.24 | 113.7 | 0 | 0 | | | | |
| 23:28 | 100.4 | 11.09 | 164.8 | 6.26 | 116.9 | 0 | 0 | | | | |
| 23:28 | 103.6 | 11.11 | 164.8 | 6.24 | 120 | 0 | 0 | | | | |
| 23:29 | 106.7 | 11.01 | 164.8 | 6.24 | 123.1 | 0 | 0 | | | | |
| 23:29 | 109.8 | 11.11 | 164.8 | 6.24 | 126.3 | 0 | 0 | | | | |
| 23:30 | 113 | 11.11 | 164.8 | 6.24 | 129.4 | 0 | 0 | | | | |
| 23:30 | 116.1 | 11.38 | 169.4 | 6.24 | 132.5 | 0 | 0 | | | | |
| 23:31 | 119.2 | 11.21 | 164.8 | 6.24 | 135.7 | 0 | 0 | | | | |
| 23:31 | 122.4 | 11.16 | 164.8 | 6.21 | 138.8 | 0 | 0 | | | | |
| 23:32 | 125.5 | 11.17 | 164.8 | 6.24 | 141.9 | 0 | 0 | | | | |
| 23:32 | 128.6 | 11.01 | 160.3 | 6.24 | 145.1 | 0 | 0 | | | | |
| 23:33 | 131.8 | 11.32 | 164.8 | 6.24 | 148.2 | 0 | 0 | | | | |
| 23:33 | 134.9 | 11.4 | 169.4 | 6.24 | 151.3 | 0 | 0 | | | | |
| 23:34 | 138 | 11.4 | 169.4 | 6.24 | 154.5 | 0 | 0 | | | | |
| 23:34 | 141.2 | 11.4 | 169.4 | 6.24 | 157.6 | 0 | 0 | | | | |
| 23:35 | 144.3 | 11.15 | 164.8 | 6.24 | 160.7 | 0 | 0 | | | | |
| 23:35 | 147.5 | 10.97 | 160.3 | 6.26 | 163.9 | 0 | 0 | | | | |
| 23:36 | 150.6 | 10.66 | 155.7 | 6.24 | 167 | 0 | 0 | | | | |
| 23:36 | 153.7 | 10.69 | 155.7 | 6.24 | 170.2 | 0 | 0 | | | | |
| 23:37 | 156.9 | 11.52 | 174 | 6.24 | 173.3 | 0 | 0 | | | | |
| 23:37 | 160 | 11.41 | 174 | 6.24 | 176.4 | 0 | 0 | | | | |
| 23:38 | 163.1 | 11.18 | 164.8 | 6.24 | 179.6 | 0 | 0 | | | | |
| 23:38 | 166.3 | 11.01 | 155.7 | 6.24 | 182.7 | 0 | 0 | | | | |
| 23:39 | 169.4 | 10.82 | 151.1 | 6.24 | 185.8 | 0 | 0 | | | | |
| 23:39 | 169.4 | 10.82 | 151.1 | 6.24 | 185.8 | 0 | 0 | Reset Volume | | | |
| 23:39 | 169.4 | 10.82 | 151.1 | 6.24 | 185.8 | 0 | 0 | [CumVol]=171.7 bbl | | | |

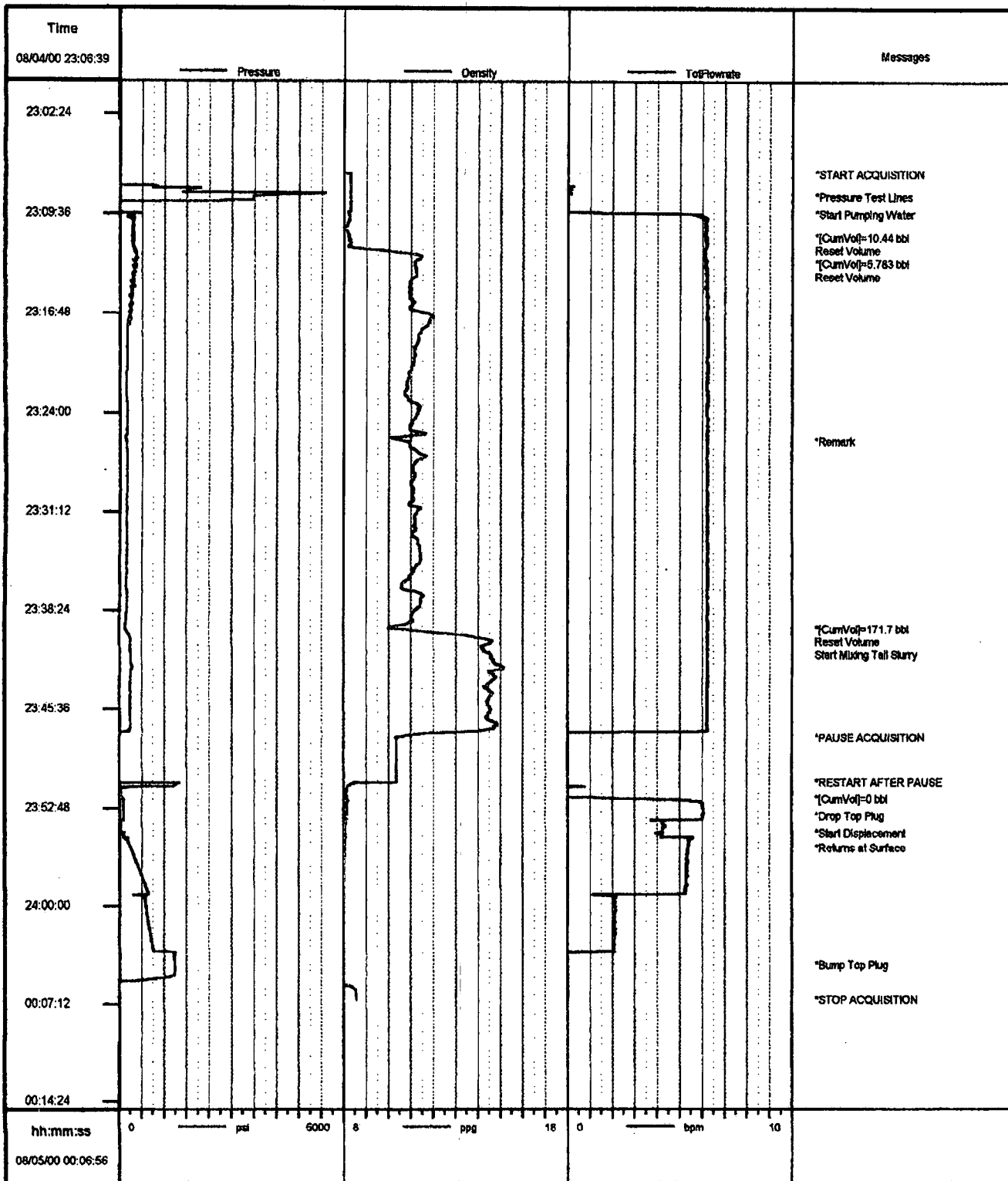
ORIGINAL

| Well | | | Field | | | Service Data | | Customer | | Job Number |
|-------------|--------|---------|----------|-----------|----------|--------------|---|--------------------------|--|------------|
| HCU #920-C | | | BRADSHAW | | | | | S DREYFUS NATURAL GAS | | 28170722 |
| Time | CumVol | Density | Pressure | Tool/Rate | Tool/Val | | | Message | | |
| 24 hr clock | bbf | ppg | psi | spm | bbf | | | | | |
| 23:39 | 0.732 | 11.24 | 160.3 | 6.24 | 189. | 0 | 0 | | | |
| 23:39 | 0.732 | 11.24 | 160.3 | 6.24 | 189. | 0 | 0 | Start Mixing Tail Slurry | | |
| 23:40 | 3.86 | 13.9 | 242.7 | 6.24 | 192.1 | 0 | 0 | | | |
| 23:40 | 6.99 | 14.4 | 256.4 | 6.24 | 195.2 | 0 | 0 | | | |
| 23:41 | 10.11 | 14.27 | 247.3 | 6.24 | 198.4 | 0 | 0 | | | |
| 23:41 | 13.24 | 14.61 | 261. | 6.21 | 201.5 | 0 | 0 | | | |
| 23:42 | 16.36 | 14.98 | 274.7 | 6.21 | 204.6 | 0 | 0 | | | |
| 23:42 | 19.49 | 14.45 | 256.4 | 6.21 | 207.7 | 0 | 0 | | | |
| 23:43 | 22.62 | 14.72 | 261. | 6.24 | 210.9 | 0 | 0 | | | |
| 23:43 | 25.75 | 14.36 | 242.7 | 6.21 | 214. | 0 | 0 | | | |
| 23:44 | 28.89 | 14.66 | 256.4 | 6.21 | 217.1 | 0 | 0 | | | |
| 23:44 | 32.02 | 14.39 | 242.7 | 6.24 | 220.3 | 0 | 0 | | | |
| 23:45 | 35.15 | 14.52 | 247.3 | 6.24 | 223.4 | 0 | 0 | | | |
| 23:45 | 38.27 | 14.46 | 247.3 | 6.21 | 226.5 | 0 | 0 | | | |
| 23:46 | 41.4 | 14.49 | 247.3 | 6.24 | 229.6 | 0 | 0 | | | |
| 23:46 | 44.52 | 14.68 | 247.3 | 6.24 | 232.8 | 0 | 0 | | | |
| 23:47 | 46.72 | 11.34 | 0. | 0. | 235. | 0 | 0 | | | |
| 23:47 | 46.72 | 11.34 | 0. | 0. | 235. | 0 | 0 | PAUSE ACQUISITION | | |
| 23:50 | 46.72 | 11.34 | 0. | 0. | 235. | 0 | 0 | RESTART AFTER PAUSE | | |
| 23:50 | 46.72 | 8.41 | 1346 | 0. | 235. | 0 | 0 | | | |
| 23:51 | 46.72 | 8.41 | 1346 | 0. | 235. | 0 | 0 | [CumVol]=0 bbl | | |
| 23:51 | 0.018 | 8.11 | 36.63 | 0. | 235. | 0 | 0 | | | |
| 23:51 | 0.018 | 8.11 | 36.63 | 0. | 235. | 0 | 0 | Drop Top Plug | | |
| 23:51 | 0.018 | 8.11 | 36.63 | 0. | 235. | 0 | 0 | Start Displacement | | |
| 23:51 | 0.035 | 8.11 | 50.37 | 0.811 | 235. | 0 | 0 | | | |
| 23:52 | 2.36 | 8.12 | 91.58 | 6.04 | 237.3 | 0 | 0 | | | |
| 23:53 | 5.39 | 8.16 | 100.7 | 6.04 | 240.4 | 0 | 0 | | | |
| 23:53 | 8.42 | 8.09 | 100.7 | 6.01 | 243.4 | 0 | 0 | | | |
| 23:54 | 10.81 | 8.04 | 41.21 | 4.31 | 245.8 | 0 | 0 | | | |
| 23:54 | 12.96 | 8.06 | 32.05 | 4.25 | 247.9 | 0 | 0 | | | |
| 23:54 | 12.96 | 8.06 | 32.05 | 4.25 | 247.9 | 0 | 0 | Returns at Surface | | |
| 23:55 | 15.19 | 8.09 | 141.9 | 5.48 | 250.2 | 0 | 0 | | | |
| 23:55 | 17.91 | 8.04 | 228.9 | 5.4 | 252.9 | 0 | 0 | | | |
| 23:56 | 20.61 | 8.03 | 293. | 5.4 | 255.6 | 0 | 0 | | | |
| 23:56 | 23.3 | 8.01 | 352.6 | 5.31 | 258.3 | 0 | 0 | | | |
| 23:57 | 25.98 | 7.99 | 421.2 | 5.31 | 260.9 | 0 | 0 | | | |
| 23:57 | 28.66 | 8.01 | 480.8 | 5.31 | 263.6 | 0 | 0 | | | |
| 23:58 | 31.32 | 8.01 | 540.3 | 5.28 | 266.3 | 0 | 0 | | | |
| 23:58 | 33.98 | 7.96 | 586.1 | 5.28 | 268.9 | 0 | 0 | | | |
| 23:59 | 36.63 | 8.01 | 650.2 | 5.23 | 271.6 | 0 | 0 | | | |
| 23:59 | 38. | 7.9 | 563.2 | 2.1 | 273. | 0 | 0 | | | |
| 0:00 | 39.05 | 7.91 | 595.2 | 2.07 | 274. | 0 | 0 | | | |
| 0:00 | 40.11 | 7.91 | 618.1 | 2.1 | 275.1 | 0 | 0 | | | |
| 0:01 | 41.15 | 7.91 | 631.9 | 2.1 | 276.1 | 0 | 0 | | | |
| 0:01 | 42.21 | 7.91 | 673.1 | 2.1 | 277.2 | 0 | 0 | | | |
| 0:02 | 43.26 | 7.94 | 696. | 2.12 | 278.2 | 0 | 0 | | | |
| 0:02 | 44.32 | 7.86 | 732.6 | 2.07 | 279.3 | 0 | 0 | | | |
| 0:03 | 45.36 | 7.89 | 760.1 | 2.07 | 280.3 | 0 | 0 | | | |
| 0:03 | 45.91 | 7.82 | 1241 | 0. | 280.9 | 0 | 0 | | | |
| 0:04 | 45.91 | 7.81 | 1236 | 0. | 280.9 | 0 | 0 | | | |
| 0:04 | 45.91 | 7.81 | 1236 | 0. | 280.9 | 0 | 0 | | | |
| 0:04 | 45.91 | 7.8 | 1245 | 0. | 280.9 | 0 | 0 | Bump Top Plug | | |
| 0:05 | 45.91 | 7.79 | 1227 | 0. | 280.9 | 0 | 0 | | | |
| 0:05 | 45.91 | 7.8 | 18.32 | 0. | 280.9 | 0 | 0 | | | |

ORIGINAL

| | | | | | | | | | | | | | | | |
|---------------------------------------|--------|------------------------|----------|--------------|--------|-------------------------------|---|---|--|------------|--|--------|--|----------|--|
| Well | | Field | | | | Service Date | | Customer | | Job Number | | | | | |
| HCU #920-C | | BRADSHAW | | | | | | S DREYFUS NATURAL GAS | | 20170722 | | | | | |
| Time | Carry/ | Density | Pressure | Yield/ | Yield/ | Message | | | | | | | | | |
| 24 hr | bbbl | ppg | psi | bpm | bbbl | | | | | | | | | | |
| 0:06 | 45.91 | 8.48 | 13.74 | 0. | 280.9 | 0 | 0 | | | | | | | | |
| 0:06 | 45.91 | 8.56 | 13.74 | 0. | 280.9 | 0 | 0 | | | | | | | | |
| Post Job Summary | | | | | | | | | | | | | | | |
| Average Pump Rates, bpm | | | | | | Volume of Fluid Injected, bbl | | | | | | | | | |
| Slurry | | N2 | | Mud | | Maximum Rate | | Total Slurry | | Mud | | Spacer | | N2 | |
| 6 | | 0 | | 0 | | 7 | | 225 | | 0 | | 15 | | 0 | |
| Treating Pressure Summary, psi | | | | | | Breakdown Fluid | | | | | | | | | |
| Maximum | | Final | | Average | | Bump Plug to | | Breakdown | | Type | | Volume | | Density | |
| 650 | | 650 | | 250 | | 1250 | | 0 | | | | 0 bbl | | 0 lb/gal | |
| Avg. N2 Percent | | Designed Slurry Volume | | Displacement | | Mix Water Temp | | <input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 45 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft | | | | | | | |
| 0 % | | 247 bbl | | 45.9 bbl | | 70 °F | | <input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed | | | | | | | |
| Customer or Authorized Representative | | | | | | Dowell Supervisor | | | | | | | | | |
| Darrell Toews | | | | | | Jeffrey Dutton | | | | | | | | | |

| | | | |
|---------|-----------|----------|----------------------|
| Well | HCU 920-C | Client | Louis Dreyfus |
| Field | Bradshaw | SIR No. | 20170722 |
| Country | USA | Job Date | 8/4/2000 11:06:39 PM |



Job: Isr70722

08/05/2000 00:09:31