

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

API NO/ 15 - 075-20754 ~~00 00~~ **ORIGINAL**  
 County Hamilton  
 - NE - SW - SW Sec. 31 Twp. 21S Rge. 41 X W  
1250' Feet from S / N (circle one) Line of Section  
1250' Feet from E / W (circle one) Line of Section

Operator: License # 31321  
 Name: Louis Dreyfus Natural Gas Corp.  
 Address: Suite 600  
14000 Quail Springs Parkway  
 City/State/Zip Oklahoma City, OK 73134

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

Purchaser: Oneok Field Services

Lease Name HCU Well # 3111-B

Operator Contact Person: Lenora Sawyer

Field Name Bradshaw

Phone (405) 748-2725

Producing Formation Chase

Contractor: Name Cheyenne Drilling Co.

Elevation: Ground 3692.4' KB 3698.4'

License: 5382

Total Depth 2930' PBSD 2880'

Wellsite Geologist: NA

Amount of Surface Pipe Set and Cemented at 320' Feet

Designate Type of Completion  
 New Well  Re-Entry  Workover

Multiple Stage Cementing Collar Used?  Yes  No

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl. Cathodic, etc.)

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

If Workover:

If Alternate II completion, cement circulated from 2930'

Operator: \_\_\_\_\_

feet depth to Surface w/ 550 sx cmt.

Well Name: \_\_\_\_\_

Drilling Fluid Management Plan W 2 KGR 7/03/07  
 (Data must be collected from the Reserve Pit)

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Chloride content 19000 ppm Fluid volume 800 bbls

Deepening  Re-perf.  Conv. To Inj/SWD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

Dewatering method used Evaporation

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

7/30/01 8/1/01 8/30/01

Spud Date 7/30/01 Date Reached TD 8/1/01 Completion Date 8/30/01

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

Signature Lenora Sawyer  
 Title Regulatory Technician Date 9/17/01

Subscribed and sworn to before me this 17th day of September

Notary Public Lorrie A. Renfro  
 Date Commission Expires 9-01-05

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received

Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

RECEIVED

SEP 19 2001

KCC WICHITA

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 3111-B  
 Sec. 31 Twp. 21S Rge. 41  East County Hamilton  
 West

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 See Attached Driller's Log  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:

Gamma Ray / CCL

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	12-3/4"	8-5/8"	24#	320'	Class "C"	200	2% cc + 1/4# flocele
Production	7-7/8"	4-1/2"	10.5#	2926'	Class "C"	350	3% D79+1/4# D29
					Class "C"	200	2% S1 + 1/4# 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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Materials Used)	
		Amount	Depth
3 spf	2730-2750' (20')	Acidize w/1000 gal 50Q 15% HCl acid. Frac w/5000 gal 65Q foam pad + 11,000 gal 65Q foam w/16000# 12/20 brown sand + 16000# CR-4000 resin coated sand. Flush w/1860 gal 65Q foam flush.	2730-2750'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2809'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 8/17/01			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 595 Mcf	Water 18 Bbls.	Gas-Oil Ratio NA	Gravity NA

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

DRILLER'S LOG

ORIGINAL

LOUIS DREFUS NATURAL GAS CORP  
HCU 3111-B  
SECTION 31-T21S-R41W  
HAMILTON COUNTY, KANSAS

COMMENCED: 07-30-01  
COMPLETED: 08-02-01

SURFACE CASING: 320' OF 8 5/8" CMTD  
W/200 SKS CLASS C + 2% CC + 1/4#/SK  
FLOCELE.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 320
RED BED	320 - 2533
SHALE & LIMESTONE	2533 - 2930 RTD

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

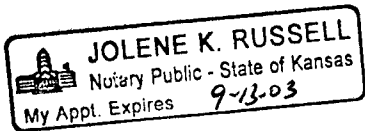
CHEYENNE DRILLING, INC.



WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 6TH DAY OF AUGUST, 2001.



JOLENE K. RUSSELL

  
NOTARY PUBLIC

RECEIVED

SEP 19 2001

KCC WICHITA

# ALLIED CEMENTING CO., INC.

7145

ORIGINAL  
SERVICE POINT:

OAKLEY

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

DATE <u>7-30-01</u>	SEC <u>31</u>	TWP. <u>21S</u>	RANGE <u>41W</u>	CALLED OUT	ON LOCATION <u>7:45 PM</u>	JOB START <u>10:15 PM</u>	JOB FINISH <u>10:45 PM</u>
LEASE <u>HCU</u>	WELL # <u>3111-B</u>	LOCATION <u>SYRACUSE 13N-5 1/2 W-4W</u>			COUNTY <u>HAMILTON</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR CHEYENNE DRIG. RIG #11

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 320'

CASING SIZE 8 3/8" DEPTH 350'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 30'

PERFS. \_\_\_\_\_

DISPLACEMENT 20 3/4 ABL

OWNER LOUIS DREYFUS-NATURAL GAS

CEMENT

AMOUNT ORDERED 200 SKS CLASS "C" 290 CC 1/4 SEAL

<u>CLASS "C"</u>	<u>200 SKS</u>	@	<u>9 65</u>	<u>1930 00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>4 SKS</u>	@	<u>30 00</u>	<u>120 00</u>
		@		
	<u>FLO-SEAL 50'</u>	@	<u>1 40</u>	<u>70 00</u>
		@		
		@		
HANDLING	<u>204 SKS</u>	@	<u>1 10</u>	<u>224 40</u>
MILEAGE	<u>0.40 PER SK / MILE</u>			<u>514 08</u>
				TOTAL <u>2858 48</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

# 300 HELPER WAYNE MAX

BULK TRUCK

# 218 DRIVER LONNIE

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

CEMENT DIA CIRC.

THANK YOU

CHARGE TO: CHEYENNE DRIG. CO.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB	<u>350'</u>		
PUMP TRUCK CHARGE			<u>520 00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>63 mi</u>	@	<u>3 00</u> <u>204 00</u>
PLUG		@	
		@	
		@	
TOTAL <u>724 00</u>			

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SEP 19 2001

KCC WICHITA  
FLOAT EQUIPMENT

<u>2-CENTRALIZERS</u>	@	<u>55 00</u>	<u>110 00</u>
<u>1-THREAD LOC</u>	@		<u>30 00</u>
	@		
	@		
	@		

TOTAL 140 00

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Kirk F. Dunning

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME

Customer							Job Number			
LOUIS DREYFUS NATURAL GAS CORP							2205410158			
Well			Location (legal)		Dowell Location		Job Start			
HCU 3111-C					Ulysses, KS		2001-Aug-02			
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD			
Bradshaw		Chase		0 °	7.79 in	2,926 ft	2,926 ft			
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient			
Hamilton		Kansas		0 psi	95 °F	90 °F	0 psi/ft			
Rig Name	Drilled For	Service Via			Casing/Liner					
Chey Rig 11	Gas				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type			2926	4.5	10.5			
	New	Development			0	0	0			
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe					
Spud Mud		9.6 lb/gal	0 cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line	Job Type			0	0	0				
Cementing	Cem Prod Casing			0	0	0				
Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	Wellhead Connection			Perforations/Open Hole					
540 psi	0 psi	4 1/2 casing			Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	
Service Instructions Safely cement production casing as per customer's request					0	0	0	0	0 ft	
					0	0	0	0	Diameter	
					0	0	0	0	0 in	
		Treat Down	Displacement	Packer Type	Packer Depth					
		Casing	45.8 bbl	None	0 ft					
		Tubing Vol.	Casing Vol.	Annular Vol.	Open Hole Vol					
		0 bbl	46.4 bbl	119.5 bbl	0 bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>			1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			Casing Tools		Squeeze Job		
Lift Pressure: 1925 psi			Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input checked="" type="checkbox"/>			Shoe Type: Guide	Squeeze Type
No. Centralizers: 5			Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 2926 ft	Tool Type:			
Cement Head Type: Single						Stage Tool Type: none	Tool Depth: 0 ft			
Job Scheduled For: 8/2/01 6:00			Arrived on Location: 2001-Aug-02 5:45		Leave Location:	Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in			
						Collar Type: Insert	Tail Pipe Depth: 0 ft			
						Collar Depth: 2880 ft	Sqz Total Vol: 0 bbl			
Date	Time	CumVol E&H	CumVol Proxim.	Density	Pressure U1	Rate E&H			Message	
	24 hr clock	bbl	bbl	ppg	psi	bpm				
2001-Aug-02	11:05	0	0	0	0	0	0	0	START ACQUISITION	
2001-Aug-02	11:05	0.	0.	-6.25	-3732	0.	0	0		
2001-Aug-02	11:05	0.	0.	-6.25	-3732	0.	0	0	Pressure Test Lines	
2001-Aug-02	11:05	0.	0.	8.32	0.	0.	0	0		
2001-Aug-02	11:06	0.	0.	8.33	0.	0.	0	0	RECEIVED	
2001-Aug-02	11:06	0.473	0.008	8.27	119.	0.16	0	0		
2001-Aug-02	11:07	0.554	0.077	8.28	2019	0.	0	0	SEP 19 2001	
2001-Aug-02	11:07	0.	0.	8.28	68.68	0.	0	0		
2001-Aug-02	11:08	1.65	1.84	8.29	187.7	5.57	0	0	KCC WICHITA	
2001-Aug-02	11:08	4.46	4.57	8.29	169.4	5.57	0	0		
2001-Aug-02	11:09	4.46	4.57	8.29	169.4	5.57	0	0	Start Pumping Water	
2001-Aug-02	11:09	4.46	4.57	8.29	169.4	5.57	0	0	cw 100	
2001-Aug-02	11:09	7.28	7.3	8.3	160.3	5.57	0	0		
2001-Aug-02	11:09	10.09	10.03	8.3	137.4	5.57	0	0		
2001-Aug-02	11:10	12.89	12.76	8.3	187.7	5.59	0	0		
2001-Aug-02	11:10	15.68	15.47	8.3	132.8	5.55	0	0		
2001-Aug-02	11:11	18.47	18.18	8.36	178.6	5.67	0	0		
2001-Aug-02	11:11	21.3	20.88	8.32	169.4	5.57	0	0		
2001-Aug-02	11:12	24.08	23.58	8.36	201.5	5.57	0	0		
2001-Aug-02	11:12	24.08	23.58	8.36	201.5	5.57	0	0	Start Pumping Water	
2001-Aug-02	11:12	2.08	1.88	8.33	155.7	5.61	0	0		
2001-Aug-02	11:13	4.89	4.56	8.39	196.9	5.61	0	0		

Well		Field		Service Date		Customer		Job Number	
HCU #3111-C		Bradshaw		01214-Aug-02		LOUIS DREYFUS NATURAL GAS CORP		2205410153	
Date	Time	Conc/Vol B&H	Conc/Vol Proxim	Density	Pressure UI	Rate BWH			Message
	24 hr clock	bbbl	bbbl	ppg	psi	bpm			
2001-Aug-02	11:13	7.61	7.14	8.34	187.7	5.07	0	0	
2001-Aug-02	11:14	10.18	9.59	8.3	192.3	5.13	0	0	
2001-Aug-02	11:14	10.18	9.59	8.3	192.3	5.13	0	0	Start Cement Slurry
2001-Aug-02	11:14	2.34	2.27	10.85	233.5	4.38	0	0	
2001-Aug-02	11:15	5.18	4.7	10.94	242.7	5.11	0	0	
2001-Aug-02	11:15	7.76	7.16	11.24	224.4	5.23	0	0	
2001-Aug-02	11:16	10.37	9.63	11.42	233.5	5.27	0	0	
2001-Aug-02	11:17	13.02	12.14	11.13	219.8	5.19	0	0	
2001-Aug-02	11:17	15.68	14.7	11.01	196.9	5.13	0	0	
2001-Aug-02	11:18	18.18	17.06	10.51	160.3	4.98	0	0	
2001-Aug-02	11:18	20.72	19.47	10.52	160.3	4.98	0	0	
2001-Aug-02	11:19	23.29	21.88	11.26	114.5	5.71	0	0	
2001-Aug-02	11:19	25.96	24.32	10.82	96.15	5.15	0	0	
2001-Aug-02	11:20	28.55	26.79	10.71	96.15	5.25	0	0	
2001-Aug-02	11:20	31.18	29.26	11.07	96.15	5.23	0	0	
2001-Aug-02	11:21	34.07	31.95	10.98	100.7	5.85	0	0	
2001-Aug-02	11:21	37.22	34.96	11.05	128.2	6.51	0	0	
2001-Aug-02	11:22	40.57	38.04	10.89	169.4	6.61	0	0	
2001-Aug-02	11:22	43.79	41.04	10.92	128.2	6.01	0	0	
2001-Aug-02	11:23	46.84	43.93	10.94	128.2	6.07	0	0	
2001-Aug-02	11:23	49.9	46.82	10.86	114.5	6.01	0	0	
2001-Aug-02	11:24	52.75	49.46	10.9	82.42	5.61	0	0	
2001-Aug-02	11:24	55.56	52.1	10.94	91.58	5.35	0	0	
2001-Aug-02	11:25	58.39	54.75	11.03	105.3	5.75	0	0	
2001-Aug-02	11:25	61.37	57.39	10.96	105.3	5.95	0	0	
2001-Aug-02	11:26	64.22	60.05	10.77	82.42	5.67	0	0	
2001-Aug-02	11:26	67.05	62.7	11.	119.	5.63	0	0	
2001-Aug-02	11:27	69.9	65.35	11.1	109.9	5.79	0	0	
2001-Aug-02	11:27	72.73	68.01	10.97	87.	5.45	0	0	
2001-Aug-02	11:28	75.52	70.66	10.84	109.9	5.59	0	0	
2001-Aug-02	11:28	78.3	73.32	11.04	100.7	6.51	0	0	
2001-Aug-02	11:29	81.25	75.97	10.88	91.58	5.57	0	0	
2001-Aug-02	11:29	84.13	78.62	10.83	109.9	5.65	0	0	
2001-Aug-02	11:30	87.03	81.28	11.13	114.5	6.19	0	0	RECEIVED
2001-Aug-02	11:30	89.89	83.93	10.8	96.15	5.81	0	0	
2001-Aug-02	11:31	92.62	86.58	11.19	109.9	5.59	0	0	ISFP 19 2001
2001-Aug-02	11:31	95.49	89.23	11.28	96.15	5.93	0	0	
2001-Aug-02	11:32	98.3	91.87	11.31	109.9	5.65	0	0	KCC WICHITA
2001-Aug-02	11:32	101.2	94.52	10.82	109.9	5.41	0	0	
2001-Aug-02	11:33	104.1	97.17	11.25	114.5	5.81	0	0	
2001-Aug-02	11:33	104.1	97.17	11.25	114.5	5.81	0	0	switch
2001-Aug-02	11:33	107.2	100.1	11.06	123.6	6.15	0	0	
2001-Aug-02	11:34	110.3	103.	11.	141.9	6.11	0	0	
2001-Aug-02	11:34	113.4	105.9	10.93	137.4	6.21	0	0	
2001-Aug-02	11:35	116.5	108.8	10.92	151.1	6.57	0	0	
2001-Aug-02	11:35	119.7	111.9	10.94	146.5	6.39	0	0	
2001-Aug-02	11:36	123.1	115.1	10.93	174.	6.79	0	0	
2001-Aug-02	11:36	126.5	118.3	10.89	187.7	6.77	0	0	
2001-Aug-02	11:37	130.	121.6	10.89	174.	6.91	0	0	
2001-Aug-02	11:37	133.4	124.8	10.9	160.3	6.79	0	0	
2001-Aug-02	11:38	136.8	128.1	10.87	160.3	7.01	0	0	
2001-Aug-02	11:38	140.2	131.3	10.81	160.3	6.65	0	0	
2001-Aug-02	11:39	143.7	134.6	10.9	164.8	6.77	0	0	
2001-Aug-02	11:39	147.1	137.8	10.94	141.9	6.67	0	0	

ORIGINAL

Well		Field		Service Date		Customer		Job Number	
HCU #3111-C		Bradshaw		01214-Aug-02		LOUIS DREYFUS NATURAL GAS CORP		2205410150	
Date	Time	CurVol B&H	CurVol Proxim	Density	Pressure Uf	Rate B&H			Message
	24 hr clock	MM	MM	PPG	PSI	MGPM			
2001-Aug-02	11:40	150.6	141.	11.01	164.8	6.85	0	0	
2001-Aug-02	11:40	154.1	144.3	10.89	160.3	6.65	0	0	
2001-Aug-02	11:41	157.6	147.5	10.83	132.8	6.93	0	0	
2001-Aug-02	11:41	161.	150.8	10.91	137.4	7.05	0	0	
2001-Aug-02	11:42	164.5	154.	11.	174.	6.67	0	0	
2001-Aug-02	11:42	167.9	157.2	10.99	169.4	7.07	0	0	
2001-Aug-02	11:43	171.5	160.5	11.	164.8	7.09	0	0	
2001-Aug-02	11:43	174.9	163.7	10.99	164.8	6.85	0	0	
2001-Aug-02	11:44	178.2	167.	10.97	160.3	6.07	0	0	
2001-Aug-02	11:44	181.8	170.2	10.81	174.	7.05	0	0	
2001-Aug-02	11:45	185.3	173.4	11.15	169.4	6.87	0	0	
2001-Aug-02	11:45	188.7	176.6	11.	128.2	6.45	0	0	
2001-Aug-02	11:46	191.8	179.6	10.82	137.4	6.31	0	0	
2001-Aug-02	11:46	194.9	182.5	11.	151.1	6.05	0	0	
2001-Aug-02	11:47	198.	185.4	11.08	164.8	6.17	0	0	
2001-Aug-02	11:47	201.2	188.4	11.1	151.1	6.25	0	0	
2001-Aug-02	11:48	204.3	191.3	11.05	196.9	6.41	0	0	
2001-Aug-02	11:48	207.9	194.8	10.87	210.6	7.19	0	0	
2001-Aug-02	11:49	211.4	198.1	10.89	187.7	6.43	0	0	
2001-Aug-02	11:49	214.7	201.2	11.12	183.2	6.59	0	0	
2001-Aug-02	11:50	217.8	204.1	11.48	155.7	6.95	0	0	
2001-Aug-02	11:50	0.571	0.52	14.55	59.52	3.62	0	0	
2001-Aug-02	11:50	0.571	0.52	14.55	59.52	3.62	0	0	tail
2001-Aug-02	11:51	2.7	2.61	14.94	146.5	5.05	0	0	
2001-Aug-02	11:51	5.64	5.55	15.01	238.1	6.59	0	0	
2001-Aug-02	11:52	8.99	8.7	15.32	261.	6.69	0	0	
2001-Aug-02	11:52	12.3	11.85	14.87	242.7	6.71	0	0	
2001-Aug-02	11:53	15.4	14.91	14.29	196.9	6.09	0	0	
2001-Aug-02	11:53	18.39	17.66	14.61	169.4	5.91	0	0	
2001-Aug-02	11:54	21.28	20.36	14.67	169.4	5.53	0	0	
2001-Aug-02	11:54	24.02	22.99	14.22	160.3	5.59	0	0	
2001-Aug-02	11:55	26.72	25.54	14.93	164.8	5.41	0	0	
2001-Aug-02	11:55	29.33	28.1	14.8	174.	5.53	0	0	
2001-Aug-02	11:56	32.16	30.81	14.91	192.3	5.93	0	0	
2001-Aug-02	11:56	35.07	33.62	14.72	187.7	5.95	0	0	
2001-Aug-02	11:57	38.1	36.58	14.76	224.4	6.49	0	0	
2001-Aug-02	11:57	41.38	39.66	15.1	238.1	6.55	0	0	
2001-Aug-02	11:58	44.59	42.75	14.96	233.5	6.39	0	0	
2001-Aug-02	11:58	48.01	45.87	14.09	233.5	6.49	0	0	
2001-Aug-02	11:59	49.48	46.89	13.87	-4.58	0.	0	0	
2001-Aug-02	11:59	49.94	47.47	9.29	45.79	3.02	0	0	
2001-Aug-02	12:00	51.36	48.76	9.19	54.95	2.7	0	0	
2001-Aug-02	12:00	53.08	50.41	8.71	91.58	4.2	0	0	
2001-Aug-02	12:01	55.13	52.32	8.43	59.52	4.06	0	0	
2001-Aug-02	12:01	57.15	54.23	8.42	45.79	3.98	0	0	
2001-Aug-02	12:02	58.67	55.45	8.38	-18.32	0.14	0	0	
2001-Aug-02	12:02	0.	0.	8.38	-9.16	0.	0	0	
2001-Aug-02	12:03	0.	0.	8.38	68.68	0.	0	0	
2001-Aug-02	12:03	2.21	1.82	8.31	45.79	5.79	0	0	
2001-Aug-02	12:04	5.04	4.47	8.31	22.89	5.29	0	0	
2001-Aug-02	12:04	7.7	6.98	8.3	18.32	5.25	0	0	
2001-Aug-02	12:05	10.24	9.32	8.3	41.21	4.8	0	0	
2001-Aug-02	12:05	12.68	11.53	8.3	59.52	4.86	0	0	
2001-Aug-02	12:06	15.18	13.74	8.3	59.52	5.13	0	0	

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Well		Field			Service Date		Customer		Job Number	
HCU #3111-C		Bradshaw			01214-Aug-02		LOUIS DREYFUS NATURAL GAS CORP		2205410150	
Date	Time	ConVol B&H	ConVol Proxim	Density	Pressure U1	Rate E+H			Message	
	24 hr clock	bbl	bbl	ppg	psi	bpm				
2001-Aug-02	12:06	15.18	13.74	8.3	59.52	5.13	0	0	on disp	
2001-Aug-02	12:06	15.18	13.74	8.3	59.52	5.13	0	0	circ cmt	
2001-Aug-02	12:06	17.68	15.92	8.3	68.68	4.6	0	0		
2001-Aug-02	12:06	17.68	15.92	8.3	68.68	4.6	0	0	circ 60 bbl cmt	
2001-Aug-02	12:07	19.93	18.08	8.3	54.95	4.44	0	0		
2001-Aug-02	12:07	22.15	20.2	8.3	123.6	4.36	0	0		
2001-Aug-02	12:08	24.5	22.49	8.3	183.2	4.8	0	0		
2001-Aug-02	12:08	26.85	24.75	8.3	228.9	4.6	0	0		
2001-Aug-02	12:09	29.15	26.97	8.3	297.6	4.56	0	0		
2001-Aug-02	12:09	31.44	29.19	8.3	325.1	4.52	0	0		
2001-Aug-02	12:10	33.7	31.38	8.3	393.8	4.48	0	0		
2001-Aug-02	12:10	35.93	33.53	8.3	439.6	4.42	0	0		
2001-Aug-02	12:11	38.11	35.63	8.3	494.5	4.28	0	0		
2001-Aug-02	12:11	40.23	37.7	8.3	535.7	4.18	0	0		
2001-Aug-02	12:12	41.6	38.92	8.3	494.5	2.04	0	0		
2001-Aug-02	12:12	42.61	39.89	8.3	522.	2.	0	0		
2001-Aug-02	12:13	43.61	40.85	8.3	549.5	1.98	0	0		
2001-Aug-02	12:13	44.61	41.81	8.3	558.6	1.96	0	0		
2001-Aug-02	12:14	45.59	42.74	8.3	599.8	1.94	0	0		
2001-Aug-02	12:14	46.55	43.67	8.3	609.	1.92	0	0		
2001-Aug-02	12:15	47.36	44.37	8.3	1090	0.2	0	0		
2001-Aug-02	12:15	47.37	44.37	8.3	27.47	0.	0	0		
2001-Aug-02	12:16	47.37	44.37	8.33	4.58	0.	0	0		
2001-Aug-02	12:16	47.37	44.37	8.33	4.58	0.	0	0	bump plug	
2001-Aug-02	12:16	47.37	44.37	8.33	4.58	0.	0	0	disp 46.2	
2001-Aug-02	12:16	47.37	44.37	8.33	4.58	0.	0	0	float holding	

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3	0	0	6	255	0	20	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1000	1000	0	1000	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 50 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft		
0 %	245 bbl		46.2 bbl	65 °F			
Customer or Authorized Representative			Dowell Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Darrell Toews			Shubhanan Dakshindas				

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