

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

API NO. 15 - 075-20765-0007 ORIGINAL

County Hamilton

SW - NE - NE Sec. 24 Twp. 22S Rge. 42 X E

1250' Feet from S / N (circle one) Line of Section

1250' 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 # 2422-D

Field Name Bradshaw

Producing Formation Chase

Elevation: Ground 3564.1' KB 3571.1'

Total Depth 2805' PBDT 2752'

Amount of Surface Pipe Set and Cemented at 321' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from 2800'

feet depth to Surface w/ 550 sx cmt

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

Chloride content 12000 ppm Fluid volume 800 bbbls

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
 New Well Re-Entry Workover

Oil SWD SIOW 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

8/30/11 9/01/01 9/29/01
Spud Date Date Reached TD Completion Date

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.

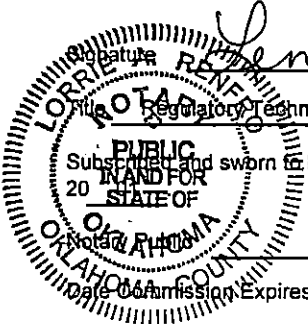
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully compiled with and the statements herein are complete and correct to the best of my knowledge.

RECEIVED

10-9-01

OCT 09 2001

KCC WICHITA



Lenora Sawyer
Signature Regulatory Technician Date 10/4/01

Subscribed and sworn to before me this 4th day of October

Ronnie A. Rerffe
Notary Public

Date Commission Expires 9-01-05

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

Operator Name Louis Dreyfus Natural Gas Corp.

Lease Name HCU Well # 2422-D

Sec. 24 Twp. 22 Rge. 42 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#	321'	Class "C"	200	2% cc + 1/4# flocele
Production	7-7/8"	4-1/2"	10.5#	2800'	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)	
		Depth	
2 spf	2616-34'; 2660-66'; 2678-86'; 2698-2704'	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/1690 gal 65Q foam.	2616-2704'

TUBING RECORD Size 2-3/8" Set At 2720' Packer At NA Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 9/26/01 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil NA Bbls Gas 22 Mcf Water 210 Bbls. Gas-Oil Ratio NA Gravity NA

Disposition of Gas: METHOD OF COMPLETION Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

DRILLER'S LOG

ORIGINAL

LOUIS DREFUS NATURAL GAS CORP
HCU 2422-D
SECTION 24-T22S-R42W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-30-01
COMPLETED: 09-01-01

RECEIVED

OCT 09 2001

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

FORMATION

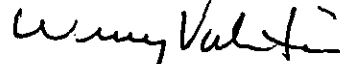
KCC WICHITA

DEPTH

SURFACE HOLE	0 - 321
SANDSTONE & CLAY	321 - 770
RED BED	770 - 1600
GLORIETTA	1600 - 1875
RED BED	1875 - 2805 RTD

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

CHEYENNE DRILLING, INC.

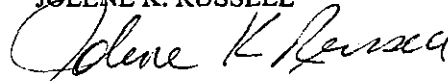


WRAY VALENTINE

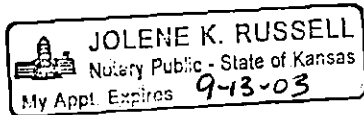
STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 3RD DAY OF SEPTEMBER, 2001.

JOLENE K. RUSSELL



NOTARY PUBLIC



ALLIED CEMENTING CO., INC. 6905

Federal Tax I.D.# 48-0727860

ORIGINAL

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

SERVICE POINT

OK

15-075-20765-0000

DATE <i>8/30/11</i>	SEC <i>24</i>	TWP <i>22S</i>	RANGE <i>42W</i>	CALLED OUT	ON LOCATION <i>3:00 PM</i>	JOB START <i>4:45 PM</i>	JOB FINISH <i>5:15 PM</i>
LEASE <i>HCU</i>	WELL # <i>2422-D</i>	LOCATION <i>Syracuse 10N 69W S15</i>			COUNTY <i>Hamilton</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <i>Cheyenne #11</i>	OWNER <i>Louis Dreyfus Natural Gas</i>
TYPE OF JOB <i>Cent 5/8 Surface Csg.</i>	
HOLE SIZE <i>12 1/4</i>	T.D. <i>321</i>
CASING SIZE <i>5 5/8 23"</i>	DEPTH <i>321</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>500</i>	MINIMUM <i>100</i>
MEAS. LINE	SHOE JOINT <i>43</i>
CEMENT LEFT IN CSG <i>43</i>	
PERFS.	
DISPLACEMENT <i>17.4 MBL</i>	

EQUIPMENT		CEMENT	
PUMP TRUCK CEMENTER <i>Max</i>		COMMON <i>250 lbs @ 7.69</i>	<i>1935.00</i>
# <i>300</i>	HELPER <i>Wayne</i>	POZMIX	
BULK TRUCK		GEL	
# <i>214</i>	DRIVER <i>FR 224</i>	CHLORIDE <i>45 lb @ 30.00</i>	<i>1200.00</i>
BULK TRUCK		<i>Flow-sol 50" @ 1.40</i>	<i>700.00</i>
#	DRIVER		
		HANDLING <i>204 ct @ 1.10</i>	<i>224.40</i>
		MILEAGE <i>42.1 hrs/mi</i>	<i>514.08</i>
		RECEIVED	
			TOTAL <i>2855.48</i>

REMARKS:	KCC WICHITA SERVICE	
<i>Cent Surface Csg with Zeoste chaser</i>	DEPTH OF JOB <i>321</i>	
<i>+ 79.00 5/8 Flow-sol Drop Plug</i>	PUMP TRUCK CHARGE <i>520.00</i>	
<i>Displace 17.4 MBL Liquid Plug Floor</i>	EXTRA FOOTAGE @	
<i>Hold Cement in circulation</i>	MILEAGE <i>63 mi @ 3.00</i>	<i>189.00</i>
	PLUG <i>5/8 surf @</i>	<i>45.00</i>
		TOTAL <i>754.00</i>

CHARGE TO: *Cheyenne Ditz*
STREET _____
CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT	
<i>1-876 AFU Insert @</i>	<i>325.00</i>
<i>2-88 Centralizers @</i>	<i>55.00 110.00</i>
<i>1-7H heel block @</i>	<i>30.00 30.00</i>
	TOTAL <i>465.00</i>

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.

TAX	
TOTAL CHARGE <i>4077.48</i>	
DISCOUNT <i>407.75</i>	IF PAID IN 30 DAYS
<i>3669.73</i>	

SIGNATURE *Neil Parney*

PRINTED NAME



Cementing Service Report

ORIGINAL

Customer LOUIS DREYFUS NATURAL GAS CORP	Job Number 2205410199
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Well HCU 2422-D		Location (legal)		Dowell Location Ulysses, KS		Job Start 2001-Sep-01			
Field Bradshaw		Formation Name/Type Chase		Deviation		Bit Size 7.88 in	Well MD 2,800 ft	Well TVD 2,800 ft	
County Hamilton		State/Province KS		BHP psi	BHST 95 °F	BHCT 85 °F	Pore Press. Gradient psi/ft		
Rig Name	Drilled For Gas	Service Via Land		Casing/Liner					
				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class Old	Well Type Workover		2800	4.5	10.5	K55	8RD	
Drilling Fluid Type Bentonite		Max. Density 9 lb/gal	Plastic Viscosity 35 cp		Tubing/Drill Pipe				
				Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing	Job Type Cem Prod Casing								
Max. Allowed Tubing Pressure 2000 psi	Max. Allowed Ann. Pressure psi	Wellhead Connection Single cement head		Perforations/Open Hole					
				Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions Cement 4 1/2 Casing to surface per clients request.								Diameter in	
				Treat Down Casing	Displacement 44 bbl	Packer Type None	Packer Depth ft		
				Tubing Vol. bbl	Casing Vol. 44.5 bbl	Annular Vol. bbl	Open Hole Vol 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: psi		Shoe Type: Guide		Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: 2800 ft		Tool Type:			
No. Centralizers:	Top Plugs: 1	Bottom Plugs:		Stage Tool Type: none		Tool Depth: ft			
Cement Head Type: Single		Stage Tool Depth: 0 ft		Tail Pipe Size: in					
Job Scheduled For:		Arrived on Location: 2001-Sep-01 17:00	Leave Location: 2001-Sep-01 20:30		Collar Type: Auto-Fill		Tail Pipe Depth: ft		
				Collar Depth: 2755 ft		Sqz Total Vol: bbl			
Date	Time 24 hr clock	Treating Pressure psi	CMT RATE bb/min	CMT AVG TREAT PRES psi	CMT VOL bbl	CMT DISP VOL bbl	CMT LEAD VOL bbl	CMT TAIL VOL bbl	Message
2001-Sep-01	18:37	5	0.0	0	0.0	0.0	0.0	0.0	
2001-Sep-01	18:37	0	0.0	0	0.0	0.0	0.0	0.0	
2001-Sep-01	18:37								Start Job
2001-Sep-01	18:37	78	0.0	0	0.0	0.0	0.0	0.0	
2001-Sep-01	18:37								Pressure Test Lines
2001-Sep-01	18:37	1556	0.0	1011	0.1	0.0	0.0	0.0	RECEIVED
2001-Sep-01	18:37	1529	0.0	1011	0.1	0.0	0.0	0.0	
2001-Sep-01	18:38	1511	0.0	1011	0.1	0.0	0.0	0.0	OCT 09 2001
2001-Sep-01	18:38	37	0.0	1011	0.1	0.0	0.0	0.0	
2001-Sep-01	18:39	41	0.0	1011	0.1	0.0	0.0	0.0	KCC WICHITA
2001-Sep-01	18:39								Start Pumping Spacer
2001-Sep-01	18:39	69	0.0	1011	0.1	0.0	0.0	0.0	
2001-Sep-01	18:39	165	3.7	484	0.4	0.0	0.0	0.0	
2001-Sep-01	18:40	169	5.5	284	2.3	0.0	0.0	0.0	
2001-Sep-01	18:40	156	4.8	235	4.5	0.0	0.0	0.0	
2001-Sep-01	18:40	156	4.8	221	5.5	0.0	0.0	0.0	
2001-Sep-01	18:40								End Spacer
2001-Sep-01	18:40								Start Pumping Wash
2001-Sep-01	18:40	156	4.8	219	5.9	0.0	0.0	0.0	
2001-Sep-01	18:40	160	4.8	213	6.5	0.0	0.0	0.0	
2001-Sep-01	18:41	151	4.8	200	8.5	0.0	0.0	0.0	
2001-Sep-01	18:41	165	4.8	194	10.5	0.0	0.0	0.0	

Well		Field		Service Data		Customer		Job Number	
HCU #2422-D		Bradshaw		01244-Sep-01		LOUIS DREYFUS NATURAL GAS CORP		2205410199	
Date	Time	Treating Pressure	CMT RATE	CMT AVG TREAT PRES	CMT VOL	CMT DISP VOL	CMT LEAD VOL	CMT TAIL VOL	Message
	24 hr clock	psi	bbbl/min	psi	bbbl	bbbl	bbbl	bbbl	
2001-Sep-01	18:42	188	4.8	190	12.5	0.0	0.0	0.0	
2001-Sep-01	18:42	114	4.8	166	14.5	0.0	0.0	0.0	
2001-Sep-01	18:42	179	4.8	182	16.5	0.0	0.0	0.0	
2001-Sep-01	18:43	165	4.8	181	18.5	0.0	0.0	0.0	
2001-Sep-01	18:43	165	4.8	179	20.5	0.0	0.0	0.0	
2001-Sep-01	18:44	174	4.8	178	22.4	0.0	0.0	0.0	
2001-Sep-01	18:44	169	4.7	177	24.4	0.0	0.0	0.0	
2001-Sep-01	18:45	179	4.7	177	26.4	0.0	0.0	0.0	
2001-Sep-01	18:45	188	4.7	177	28.3	0.0	0.0	0.0	
2001-Sep-01	18:45	192	4.7	178	30.3	0.0	0.0	0.0	
2001-Sep-01	18:46	211	4.7	180	32.2	0.0	0.0	0.0	
2001-Sep-01	18:46	215	4.7	181	34.2	0.0	0.0	0.0	
2001-Sep-01	18:46								End Wash
2001-Sep-01	18:46	215	4.7	182	34.2	0.0	0.0	0.0	
2001-Sep-01	18:47	215	4.7	183	36.1	0.0	0.0	0.0	
2001-Sep-01	18:47	229	4.6	184	37.3	0.0	0.0	0.0	
2001-Sep-01	18:47								Reset Total, Vol = 37.30 bbl
2001-Sep-01	18:47	224	4.6	185	37.8	0.0	0.0	0.0	
2001-Sep-01	18:47								Start Mixing Lead Slurry
2001-Sep-01	18:47	229	4.6	185	38.1	0.0	0.3	0.0	
2001-Sep-01	18:47	233	4.6	188	40.0	0.0	2.2	0.0	
2001-Sep-01	18:48	243	4.6	190	41.9	0.0	4.1	0.0	
2001-Sep-01	18:48	247	4.6	192	43.8	0.0	6.0	0.0	
2001-Sep-01	18:49	243	4.7	194	45.8	0.0	8.0	0.0	
2001-Sep-01	18:49	307	6.1	197	47.9	0.0	10.1	0.0	
2001-Sep-01	18:50	288	6.1	201	50.4	0.0	12.6	0.0	
2001-Sep-01	18:50	243	6.2	204	53.0	0.0	15.2	0.0	
2001-Sep-01	18:50	233	6.3	206	55.6	0.0	17.8	0.0	
2001-Sep-01	18:51	224	6.3	206	58.2	0.0	20.4	0.0	
2001-Sep-01	18:51	201	6.3	207	60.8	0.0	23.0	0.0	
2001-Sep-01	18:52	179	6.3	206	63.5	0.0	25.6	0.0	
2001-Sep-01	18:52	169	6.4	205	66.1	0.0	28.3	0.0	
2001-Sep-01	18:52	160	6.4	204	68.8	0.0	30.9	0.0	
2001-Sep-01	18:53	169	6.4	203	71.4	0.0	33.6	0.0	RECEIVED
2001-Sep-01	18:53	165	6.4	202	74.1	0.0	36.3	0.0	OCT 09 2001
2001-Sep-01	18:54	174	6.4	201	76.7	0.0	38.9	0.0	KCC WICHITA
2001-Sep-01	18:54	169	6.4	200	79.4	0.0	41.6	0.0	
2001-Sep-01	18:55	165	6.3	199	82.0	0.0	44.2	0.0	
2001-Sep-01	18:55	174	6.4	198	84.7	0.0	46.9	0.0	
2001-Sep-01	18:55	174	6.3	198	87.3	0.0	49.5	0.0	
2001-Sep-01	18:56	179	6.4	197	90.0	0.0	52.2	0.0	
2001-Sep-01	18:56	165	6.4	196	92.6	0.0	54.8	0.0	
2001-Sep-01	18:57	160	6.4	196	95.3	0.0	57.5	0.0	
2001-Sep-01	18:57	169	6.4	195	98.0	0.0	60.1	0.0	
2001-Sep-01	18:57	160	6.4	194	100.6	0.0	62.8	0.0	
2001-Sep-01	18:58	169	6.4	193	103.3	0.0	65.5	0.0	
2001-Sep-01	18:58	183	6.4	193	105.9	0.0	68.1	0.0	
2001-Sep-01	18:59	169	6.4	192	108.7	0.0	70.9	0.0	
2001-Sep-01	18:59	165	6.4	192	111.3	0.0	73.5	0.0	
2001-Sep-01	19:00	169	6.4	192	114.0	0.0	76.2	0.0	
2001-Sep-01	19:00	165	6.4	191	116.7	0.0	78.8	0.0	
2001-Sep-01	19:00	169	6.4	191	119.3	0.0	81.5	0.0	
2001-Sep-01	19:01	169	6.4	190	122.0	0.0	84.1	0.0	
2001-Sep-01	19:01	160	6.4	190	124.6	0.0	86.8	0.0	

15-075-20765-0000

ORIGINAL

Well		Field			Service Data		Customer		Job Number
HCU #2422-D		Bradshaw			01244-Sep-01		LOUIS DREYFUS NATURAL GAS CORP		2205410199
Date	Time	Treating Pressure	CMT RATE	CMT AVG TREAT PRES	CMT VOL	CMT DISP VOL	CMT LEAD VOL	CMT TAIL VOL	Message
	24 hr clock	psl	bbbl/min	psl	bbbl	bbbl	bbbl	bbbl	
2001-Sep-01	19:02	165	6.4	189	127.3	0.0	89.5	0.0	
2001-Sep-01	19:02	169	6.4	189	129.9	0.0	92.1	0.0	
2001-Sep-01	19:02	165	6.4	189	132.6	0.0	94.8	0.0	
2001-Sep-01	19:03	151	6.3	188	135.3	0.0	97.4	0.0	
2001-Sep-01	19:03	169	6.4	188	137.9	0.0	100.1	0.0	
2001-Sep-01	19:04	146	6.4	188	140.6	0.0	102.7	0.0	
2001-Sep-01	19:04	151	6.4	187	143.2	0.0	105.4	0.0	
2001-Sep-01	19:05	179	6.4	187	145.9	0.0	108.1	0.0	
2001-Sep-01	19:05	169	6.4	186	148.5	0.0	110.7	0.0	
2001-Sep-01	19:05	169	6.4	186	151.2	0.0	113.4	0.0	
2001-Sep-01	19:06	174	6.3	186	153.8	0.0	116.0	0.0	
2001-Sep-01	19:06	169	6.4	186	156.5	0.0	118.7	0.0	
2001-Sep-01	19:07	169	6.4	185	159.1	0.0	121.3	0.0	
2001-Sep-01	19:07	165	6.4	185	161.8	0.0	124.0	0.0	
2001-Sep-01	19:07	169	6.4	185	164.5	0.0	126.6	0.0	
2001-Sep-01	19:08	169	6.4	185	167.1	0.0	129.3	0.0	
2001-Sep-01	19:08	169	6.4	185	169.8	0.0	132.0	0.0	
2001-Sep-01	19:09	165	6.4	184	172.4	0.0	134.6	0.0	
2001-Sep-01	19:09	169	6.4	184	175.1	0.0	137.3	0.0	
2001-Sep-01	19:10	169	6.4	184	177.8	0.0	139.9	0.0	
2001-Sep-01	19:10	169	6.4	184	180.5	0.0	142.7	0.0	
2001-Sep-01	19:10	179	6.4	184	183.2	0.0	145.4	0.0	
2001-Sep-01	19:11	169	6.4	184	185.9	0.0	148.0	0.0	
2001-Sep-01	19:11	169	6.4	183	188.5	0.0	150.7	0.0	
2001-Sep-01	19:12	165	6.4	183	191.2	0.0	153.4	0.0	
2001-Sep-01	19:12	197	6.4	183	193.9	0.0	156.0	0.0	
2001-Sep-01	19:12	169	6.4	183	196.5	0.0	158.7	0.0	
2001-Sep-01	19:13	165	6.4	183	199.2	0.0	161.4	0.0	
2001-Sep-01	19:13	169	6.4	183	201.8	0.0	164.0	0.0	
2001-Sep-01	19:14	169	6.4	183	204.5	0.0	166.7	0.0	
2001-Sep-01	19:14	183	6.4	182	207.2	0.0	169.3	0.0	
2001-Sep-01	19:15	206	6.4	182	209.8	0.0	172.0	0.0	
2001-Sep-01	19:15	201	6.4	182	212.5	0.0	174.7	0.0	
2001-Sep-01	19:15	188	6.4	182	215.2	0.0	177.4	0.0	
2001-Sep-01	19:16	179	6.4	182	217.9	0.0	180.0	0.0	
2001-Sep-01	19:16	160	6.4	182	220.5	0.0	182.7	0.0	
2001-Sep-01	19:17	169	6.4	182	223.2	0.0	185.4	0.0	
2001-Sep-01	19:17	169	6.4	182	225.9	0.0	188.0	0.0	
2001-Sep-01	19:17	165	6.4	181	228.5	0.0	190.7	0.0	
2001-Sep-01	19:18	146	6.4	181	231.2	0.0	193.4	0.0	
2001-Sep-01	19:18	174	6.4	181	233.9	0.0	196.1	0.0	
2001-Sep-01	19:18	165	6.4	181	234.0	0.0	196.2	0.0	
2001-Sep-01	19:18								End Lead Slurry
2001-Sep-01	19:18								Start Mixing Tail Slurry
2001-Sep-01	19:18	179	6.4	181	234.4	0.0	196.2	0.0	
2001-Sep-01	19:18	160	6.4	181	234.8	0.0	196.2	0.3	
2001-Sep-01	19:18								Reset Total, Vol = 197.46 bbl
2001-Sep-01	19:19	165	6.4	181	236.6	0.0	196.2	2.1	
2001-Sep-01	19:19	110	5.1	180	238.9	0.0	196.2	4.4	
2001-Sep-01	19:20	114	4.1	180	240.8	0.0	196.2	6.3	
2001-Sep-01	19:20	133	4.2	179	242.5	0.0	196.2	8.1	
2001-Sep-01	19:20	183	5.3	179	244.4	0.0	196.2	9.9	
2001-Sep-01	19:21	261	6.7	179	246.7	0.0	196.2	12.3	
2001-Sep-01	19:21	270	6.6	180	249.5	0.0	196.2	15.0	

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Well		Field			Service Date		Customer		Job Number
HCU #2422-D		Bradshaw			01244-Sep-01		LOUIS DREYFUS NATURAL GAS CORP		2205410169
Date	Time	Treating Pressure	CMT RATE	CMT AVG TREAT PRES	CMT VOL	CMT DISP VOL	CMT LEAD VOL	CMT TAIL VOL	Message
	24 hr clock	psi	bbbl/min	psi	bbbl	bbbl	bbbl	bbbl	
2001-Sep-01	19:22	330	7.3	181	252.5	0.0	196.2	18.0	
2001-Sep-01	19:22	288	7.0	182	255.6	0.0	196.2	21.1	
2001-Sep-01	19:23	302	7.0	183	258.5	0.0	196.2	24.0	
2001-Sep-01	19:23	288	7.0	184	261.4	0.0	196.2	26.9	
2001-Sep-01	19:23	284	7.1	185	264.3	0.0	196.2	29.9	
2001-Sep-01	19:24	298	7.1	186	267.3	0.0	196.2	32.8	
2001-Sep-01	19:24	279	7.1	187	270.2	0.0	196.2	35.7	
2001-Sep-01	19:25	270	7.1	188	273.2	0.0	196.2	38.7	
2001-Sep-01	19:25	256	7.1	189	276.1	0.0	196.2	41.6	
2001-Sep-01	19:25	224	7.2	190	279.1	0.0	196.2	44.6	
2001-Sep-01	19:26	238	7.3	190	282.1	0.0	196.2	47.6	
2001-Sep-01	19:26								End Tail Slurry
2001-Sep-01	19:26	-14	0.0	190	284.6	0.0	196.2	50.2	
2001-Sep-01	19:26								Reset Total, Vol = 49.84 bbl
2001-Sep-01	19:26	-9	0.0	190	284.6	0.0	196.2	50.2	
2001-Sep-01	19:31	-9	0.0	193	284.6	0.0	196.2	50.2	
2001-Sep-01	19:31								Drop Top Plug
2001-Sep-01	19:31	60	0.0	193	284.6	0.0	196.2	50.2	
2001-Sep-01	19:31								Start Displacement
2001-Sep-01	19:31	64	4.7	192	284.9	0.2	196.2	50.2	
2001-Sep-01	19:32	55	4.5	191	286.8	2.1	196.2	50.2	
2001-Sep-01	19:32	55	4.9	190	288.6	4.0	196.2	50.2	
2001-Sep-01	19:33	27	4.9	189	290.7	6.0	196.2	50.2	
2001-Sep-01	19:33	32	4.5	188	292.8	8.1	196.2	50.2	
2001-Sep-01	19:34	46	4.5	186	294.6	10.0	196.2	50.2	
2001-Sep-01	19:34	55	4.5	185	296.5	11.9	196.2	50.2	
2001-Sep-01	19:34	41	4.6	184	298.4	13.8	196.2	50.2	
2001-Sep-01	19:35	55	4.5	183	300.3	15.7	196.2	50.2	
2001-Sep-01	19:35	142	4.4	183	302.2	17.5	196.2	50.2	RECEIVED
2001-Sep-01	19:36	174	4.6	182	304.1	19.4	196.2	50.2	OCT 09 2001
2001-Sep-01	19:36	238	5.0	183	306.2	21.5	196.2	50.2	KCC WICHITA
2001-Sep-01	19:36	288	4.8	183	308.2	23.5	196.2	50.2	
2001-Sep-01	19:37	330	4.7	184	310.2	25.5	196.2	50.2	
2001-Sep-01	19:37	352	4.6	185	310.8	26.1	196.2	50.2	
2001-Sep-01	19:37								Returns at Surface
2001-Sep-01	19:37	375	4.5	186	312.1	27.4	196.2	50.2	
2001-Sep-01	19:38	398	4.4	187	313.9	29.3	196.2	50.2	
2001-Sep-01	19:38	439	4.3	189	315.8	31.1	196.2	50.2	
2001-Sep-01	19:39	467	4.2	191	317.5	32.9	196.2	50.2	
2001-Sep-01	19:39	499	4.2	193	319.3	34.6	196.2	50.2	
2001-Sep-01	19:39	526	4.2	195	321.0	36.4	196.2	50.2	
2001-Sep-01	19:40	485	2.1	198	322.3	37.6	196.2	50.2	
2001-Sep-01	19:40	499	2.0	200	323.1	38.5	196.2	50.2	
2001-Sep-01	19:41	508	2.0	202	324.0	39.3	196.2	50.2	
2001-Sep-01	19:41	522	1.9	204	324.8	40.1	196.2	50.2	
2001-Sep-01	19:41	536	2.0	206	325.6	41.0	196.2	50.2	
2001-Sep-01	19:42	549	1.9	209	326.4	41.8	196.2	50.2	
2001-Sep-01	19:42	558	1.9	211	327.2	42.6	196.2	50.2	
2001-Sep-01	19:43	1071	0.0	213	327.6	43.0	196.2	50.2	
2001-Sep-01	19:43								Bump Top Plug
2001-Sep-01	19:43	1067	0.0	213	327.6	43.0	196.2	50.2	
2001-Sep-01	19:43								End Displacement
2001-Sep-01	19:43								Bleed Off Pressure
2001-Sep-01	19:43	623	0.0	213	327.6	43.0	196.2	50.2	

Well HCU #2422-D		Field Bradshaw		Service Date 01244-Sep-01		Customer LOUIS DREYFUS NATURAL GAS CORP		Job Number 2205410199		
Date	Time 24 hr clock	Treating Pressure psi	CMT RATE bbl/min	CMT AVG TREAT PRES psi	CMT VOL bbl	CMT DISP VOL bbl	CMT LEAD VOL bbl	CMT TAIL VOL bbl	Message	
2001-Sep-01	19:43	-18	0.0	213	327.6	43.0	196.2	50.2		
2001-Sep-01	19:43								End Job	
2001-Sep-01	19:43	-5	0.0	213	327.6	43.0	196.2	50.2		
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2		
5.6			6.6		247		30			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
1034	550	213	1034				bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <u>20</u> bbl <input type="checkbox"/> Washed Thru Perfs To <u> </u> ft					
%	248 bbl		44 bbl	60 °F						
Customer or Authorized Representative			Dowell Supervisor							
Toews, Daryl			Dutton, Jeffrey				<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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