

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIISION
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 SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl. Cathodic, etc.)

If Workover:

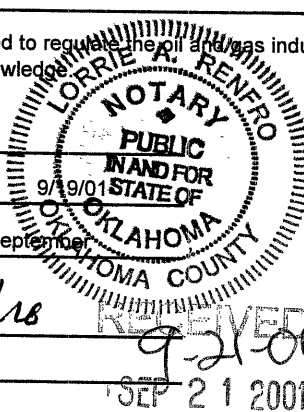
Operator: _____
 Well Name: _____
 Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. To Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
8/13/01 8/15/01 8-15-01
 Spud Date Date Reached TD Completion Date
KCC WITHIN 100 FT

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 9/19/01

Subscribed and sworn to before me this 19th day of September, 2001
 Notary Public Lorrie A. Renfro
 Date Commission Expires 9-01-05



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)

API NO. 15 - 075-20758-00 ORIGINAL
 County Hamilton
SE - NW - NW Sec. 16 Twp. 22S Rge. 40 X W
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 # 1620-C
 Field Name Bradshaw
 Producing Formation Chase
 Elevation: Ground 3563.1 KB 3569.1'
 Total Depth 2942' PBTB 2893'
 Amount of Surface Pipe Set and Cemented at 323' Feet
 Multiple Stage Cementing Collar Used? Yes X No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 2937'
 feet depth to Surface w/ 550 sx cmt
 Drilling Fluid Management Plan ALL IN W/ HALL
 (Data must be collected from the Reserve Pit)
 Chloride content 13700 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 Name Louis Dreyfus Natural Gas Corp.

Lease Name HCU Well # 1620-C

Sec. 16 Twp. 22S Rge. 40 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

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
Production	12-1/4"	8-5/8"	24#	323'	Class "C"	200	2% cc + 1/4# flocele
Surface	7-7/8"	4-1/2"	10.5#	2937'	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
	3 spf	2716'-2734' (18')		Acidize w/1000 gal 15% HCl. Frac w/5000 gal 65Q foam pad + 11000 gal 65Q foam + 16000# 12/20 brown sand + 16000# CR-4000 resin coated sand. Flush w/1860 gal 65Q foam.	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2758'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9/10/01		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 9 Mcf	Water 263 Bbls.	Gas-Oil Ratio NA	Gravity NA

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

(If Vented, submit ACO-18.)

METHOD OF COMPLETION Production Interval

DRILLER'S LOG

ORIGINAL

LOUIS DREFUS NATURAL GAS CORP
HCU 1620-C
SECTION 16-T22S-R40W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-13-01
COMPLETED: 08-15-01

SURFACE CASING: 323' OF 8 5/8" CMTD
W/200 SKS CLASS C + 2% CC + 1/4#/SK
FLOCELE.

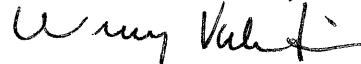
FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 323
SANDSTONE & CLAY	323 - 780
RED BED	780 - 2850
CHASE	2850 - 2942 RTD

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

CHEYENNE DRILLING, INC.

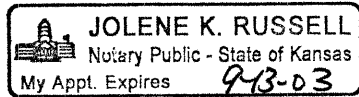


WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 16TH DAY OF AUGUST, 2001.

JOLENE K. RUSSELL


NOTARY PUBLIC

RECEIVED

SEP 21 2001

KCC WICHITA

ALLIED CEMENTING CO., INC. 6902

Federal Tax I.D.# ~~XXXXXXXXXX~~

ORIGINAL

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

SERVICE POINT:

Cartley

DATE <u>8/13/01</u>	SEC <u>16</u>	TWP. <u>22c</u>	RANGE <u>40W</u>	CALLED OUT	ON LOCATION <u>2:45 PM</u>	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:00 PM</u>
LEASE <u>HCU</u>	WELL# <u>1620-C</u>	LOCATION <u>Syracuse 10N 2E 5NE15</u>	COUNTY <u>Hamilton</u>	STATE <u>Ks.</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Cheyenne #11

TYPE OF JOB CMT 8 3/4 Surface Cas

HOLE SIZE 12 1/4 TD. 323

CASING SIZE 3 3/8 DEPTH 323

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 400 MINIMUM 120

MEAS. LINE _____ SHOE JOINT 44

CEMENT LEFT IN CSG. 44

PERFS. _____

DISPLACEMENT 17.8 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Max

300 HELPER TERRY

BULK TRUCK _____

219 DRIVER Duane

BULK TRUCK _____

_____ DRIVER _____

OWNER Quik Dry Plug Natural Gas Corp

CEMENT _____

AMOUNT ORDERED _____

2000 lb Class C 270 cc 4" Flo-Gal

COMMON Class C 2000 lb @ 7.65 1970.00

POZMIX @ _____

GEL @ _____

CHLORIDE 45 kg @ 39.00 120.00

Flo-Seal 50" @ 1.40 70.00

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 204 sks @ 1.10 224.40

MILEAGE 47.15 x 1mi 514.09

TOTAL 2858.49

REMARKS:

SERVICE

CMT 8 3/4 Surface Cas with 2000 lb Class C
770 cc 4" Flo-Gal Dry Plug Displace
18 BBL Land Plug Float Hold
Cement did circulate

DEPTH OF JOB 323

PUMP TRUCK CHARGE 520.00

EXTRA FOOTAGE @ _____

MILEAGE 63 mi @ 3.00 204.00

PLUG 8 3/4 Surface @ 45.00

_____ @ _____

_____ @ _____

TOTAL 769.00

CHARGE TO: Cheyenne Drlg.

STREET _____

CITY _____ STATE _____ ZIP _____

SEP 21 2001

FLOAT EQUIPMENT

1-8 3/4 AFU Ins-17 @ 325.00

2-8 3/4 Centralizers @ 55.00 110.00

1-Thread Lock @ 30.00

_____ @ _____

_____ @ _____

TOTAL 465.00

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.

TAX _____

TOTAL CHARGE 4092.49

DISCOUNT 409.25 IF PAID IN 30 DAYS

3683.23

SIGNATURE Noel Perez

Noel Perez

PRINTED NAME

Customer LOUIS DREYFUS NATURAL GAS CORP						Job Number 2205410172						
Well HCU 1620-C			Location (legal)			Dowell Location Ulysses, KS			Job Start 2001-Aug-15			
Field Bradshaw		Formation Name/Type Chase		Deviation		Bit Size 7.86 in	Well MD 2,942 ft	Well TVD 2,942 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							
Offshore Zone	Well Class New	Well Type Development			Depth, ft 2940	Size, in 4.5	Weight, lb/ft 10.5	Grade	Thread			
Drilling Fluid Type Spud Mud			Max. Density 9.2 lb/gal	Plastic Viscosity 16 cp		Tubing/Drill Pipe						
Service Line Cementing	Job Type Cem Prod Casing			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread				
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi	WellHead Connection Single cement head		Perforations/Open Hole							
Service Instructions Cement 4 1/2 Casing to surface per clients request.				Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft				
				Diameter in	Treat Down Casing	Displacement 46.7 bbl	Packer Type None	Packer Depth ft				
				Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. 119 bbl	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: 630 psi	Shoe Type: Guide	Squeeze Type			Shoe Depth: 2943 ft	Tool Type:		
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>			Stage Tool Type	Tool Depth: ft							
No. Centralizers: Top Plugs: 1	Bottom Plugs:	Stage Tool Depth: ft	Tail Pipe Size: in	Collar Type: Auto-Fill	Tail Pipe Depth: ft							
Cement Head Type: Single	Collar Depth: ft	Sqz Total Vol: bbl										
Job Scheduled For:	Arrived on Location: 2001-Aug-15 14:45		Leave Location: 2001-Aug-15 18:15									
Date	Time	CPT773 THO	CumVol E&H	Density	Pressure U1	rsfrz	Message					
	24 hr clock	bpm	bbl	ppg	psi	NONE						
2001-Aug-15	16:09	0	0	0	0	0	0	0	START ACQUISITION			
2001-Aug-15	16:09	0.	0.	-6.25	-3732	0.	0	0	Reset Volume			
2001-Aug-15	16:09	0.	0.	-6.25	-3732	0.	0	0	[CumVol Proxim.]=0 bbl			
2001-Aug-15	16:09	0.	0.	-6.25	-3732	0.	0	0	Start Job			
2001-Aug-15	16:09	0.	0.	-6.25	-3732	0.	0	0	Pressure Test Lines			
2001-Aug-15	16:10	0.	0.	8.29	4.58	4.57	0	0				
2001-Aug-15	16:10	0.	0.	8.29	4.58	4.57	0	0	RECEIVED			
2001-Aug-15	16:11	1.81	0.554	8.26	476.2	4.57	0	0				
2001-Aug-15	16:11	0.	0.	8.28	1598	9.82	0	0	SEP 21 2001			
2001-Aug-15	16:12	0.	0.	8.28	68.68	4.57	0	0				
2001-Aug-15	16:12	0.	0.	8.28	64.1	4.57	0	0	KCC WICHITA			
2001-Aug-15	16:12	0.	0.	8.28	64.1	4.57	0	0	Start Pumping Wash			
2001-Aug-15	16:12	0.	0.	8.28	64.1	4.57	0	0	Reset Volume			
2001-Aug-15	16:12	0.	0.	8.28	64.1	4.57	0	0	[CumVol Proxim.]=0 bbl			
2001-Aug-15	16:13	0.	0.	8.28	68.68	4.57	0	0				
2001-Aug-15	16:13	0.	0.	8.28	64.1	4.57	0	0				
2001-Aug-15	16:14	0.	0.	8.28	59.52	4.57	0	0				
2001-Aug-15	16:14	0.	0.	8.28	4.58	4.57	0	0				
2001-Aug-15	16:15	0.	0.134	8.28	-4.58	4.57	0	0				
2001-Aug-15	16:15	0.	0.072	8.27	41.21	4.57	0	0				
2001-Aug-15	16:16	1.61	0.279	8.29	114.5	4.57	0	0				

Well		Field		Service Date		Customer		Job Number	
HCU #1620-C		Bradshaw		01227-Aug-15		LOUIS DREYFUS NATURAL GAS CORP		2205410172	
Date	Time	CPT773 THO	CumVol E&H	Density	Pressure U1	rsurf			Message
	24 hr clock	bpm	bbl	ppg	psi	NONE			
2001-Aug-15	16:16	5.34	1.83	8.29	183.2	4.57	0	0	
2001-Aug-15	16:17	5.47	4.65	8.29	187.7	4.57	0	0	
2001-Aug-15	16:17	5.44	2.36	8.29	174.	4.57	0	0	
2001-Aug-15	16:18	5.42	5.18	8.3	178.6	4.57	0	0	
2001-Aug-15	16:18	5.39	7.98	8.3	206.	4.57	0	0	
2001-Aug-15	16:19	5.42	10.77	8.3	201.5	4.57	0	0	
2001-Aug-15	16:19	5.37	13.55	8.3	178.6	4.57	0	0	
2001-Aug-15	16:20	5.34	16.33	8.34	233.5	4.57	0	0	
2001-Aug-15	16:20	5.39	18.7	0.717	160.3	4.57	0	0	
2001-Aug-15	16:21	5.39	18.7	0.717	160.3	4.57	0	0	Start Pumping Spacer
2001-Aug-15	16:21	5.39	18.7	0.717	160.3	4.57	0	0	[CumVol Proxim.]=20.19 bbl
2001-Aug-15	16:21	5.39	18.7	0.717	160.3	4.57	0	0	Reset Volume
2001-Aug-15	16:21	4.45	0.36	8.34	183.2	4.57	0	0	
2001-Aug-15	16:21	4.55	2.74	8.32	187.7	4.57	0	0	
2001-Aug-15	16:22	4.52	5.1	8.32	196.9	4.57	0	0	
2001-Aug-15	16:22	4.47	7.45	8.37	219.8	4.57	0	0	
2001-Aug-15	16:23	4.42	9.48	11.32	219.8	4.57	0	0	
2001-Aug-15	16:23	4.42	9.48	11.32	219.8	4.57	0	0	Start Mixing Lead Slurry
2001-Aug-15	16:23	4.42	9.48	11.32	219.8	4.57	0	0	Reset Volume
2001-Aug-15	16:23	4.42	9.48	11.32	219.8	4.57	0	0	[CumVol Proxim.]=9.81 bbl
2001-Aug-15	16:23	4.52	1.96	11.31	279.3	4.57	0	0	
2001-Aug-15	16:24	5.32	4.79	10.68	288.5	4.57	0	0	
2001-Aug-15	16:24	5.93	7.78	10.44	325.1	4.57	0	0	
2001-Aug-15	16:25	5.9	11.04	10.8	320.5	4.57	0	0	
2001-Aug-15	16:25	5.96	14.27	11.1	306.8	4.57	0	0	
2001-Aug-15	16:26	5.5	17.32	11.01	247.3	4.57	0	0	
2001-Aug-15	16:26	5.83	20.35	10.98	174.	4.57	0	0	
2001-Aug-15	16:27	5.83	23.54	10.76	164.8	4.57	0	0	
2001-Aug-15	16:27	5.85	26.69	10.77	137.4	4.57	0	0	
2001-Aug-15	16:28	5.85	29.96	10.87	160.3	4.57	0	0	
2001-Aug-15	16:28	5.88	33.27	10.84	160.3	4.57	0	0	
2001-Aug-15	16:29	5.88	36.49	10.85	160.3	4.57	0	0	
2001-Aug-15	16:29	5.85	39.67	10.84	128.2	4.57	0	0	
2001-Aug-15	16:30	5.85	42.82	10.87	119.	4.57	0	0	
2001-Aug-15	16:30	5.88	46.07	10.98	119.	4.57	0	0	
2001-Aug-15	16:31	5.85	49.37	10.74	160.3	4.57	0	0	
2001-Aug-15	16:31	5.88	52.62	10.83	132.8	4.57	0	0	
2001-Aug-15	16:32	5.85	55.85	10.93	119.	4.57	0	0	
2001-Aug-15	16:32	5.85	59.09	10.97	155.7	4.57	0	0	
2001-Aug-15	16:33	5.88	62.32	10.93	137.4	4.57	0	0	
2001-Aug-15	16:33	5.88	65.57	10.88	123.6	4.57	0	0	
2001-Aug-15	16:34	5.85	68.81	10.87	128.2	4.57	0	0	
2001-Aug-15	16:34	5.88	72.02	10.92	105.3	4.57	0	0	
2001-Aug-15	16:35	5.85	75.4	10.83	155.7	4.57	0	0	
2001-Aug-15	16:35	5.88	78.54	10.66	114.5	4.57	0	0	
2001-Aug-15	16:36	5.88	81.7	10.77	114.5	4.57	0	0	
2001-Aug-15	16:36	5.88	85.03	10.83	164.8	4.57	0	0	
2001-Aug-15	16:37	5.88	88.27	10.83	155.7	4.57	0	0	
2001-Aug-15	16:37	5.85	91.66	10.79	96.15	4.57	0	0	
2001-Aug-15	16:38	5.88	94.95	10.83	100.7	4.57	0	0	
2001-Aug-15	16:38	5.88	98.22	10.84	132.8	4.57	0	0	
2001-Aug-15	16:39	5.9	101.4	10.81	105.3	4.57	0	0	
2001-Aug-15	16:39	5.88	104.5	10.85	132.8	4.57	0	0	
2001-Aug-15	16:40	5.85	107.7	10.89	141.9	4.57	0	0	

RECEIVED
 SEP 21 2001
 KCC WICHITA

Well		Field			Service Date		Customer		Job Number
HCU #1620-C		Bradshaw			01227-Aug-15		LOUIS DREYFUS NATURAL GAS CORP		2205410172
Date	Time	GPI773 TRQ	CumVol E&H	Density	Pressure UI	IsfHz			Message
	24 hr Clock	bpm	bbf	ppg	psi	NONE			
2001-Aug-15	16:40	5.88	110.9	10.93	141.9	4.57	0	0	
2001-Aug-15	16:41	5.88	114.1	11.15	151.1	4.57	0	0	
2001-Aug-15	16:41	5.88	117.2	11.07	137.4	4.57	0	0	
2001-Aug-15	16:42	5.88	120.2	11.16	132.8	4.57	0	0	
2001-Aug-15	16:42	5.85	123.3	10.95	119.	4.57	0	0	
2001-Aug-15	16:43	5.88	126.7	10.83	132.8	4.57	0	0	
2001-Aug-15	16:43	5.88	130.1	10.87	155.7	4.57	0	0	
2001-Aug-15	16:44	5.88	133.3	11.12	164.8	4.57	0	0	
2001-Aug-15	16:44	5.88	136.5	10.93	155.7	4.57	0	0	
2001-Aug-15	16:45	5.85	139.7	10.81	169.4	4.57	0	0	
2001-Aug-15	16:45	5.88	143.	10.75	123.6	4.57	0	0	
2001-Aug-15	16:46	5.88	146.2	10.87	196.9	4.57	0	0	
2001-Aug-15	16:46	5.85	149.4	10.96	169.4	4.57	0	0	
2001-Aug-15	16:47	5.85	152.5	10.91	160.3	4.57	0	0	
2001-Aug-15	16:47	5.85	155.7	10.89	174.	4.57	0	0	
2001-Aug-15	16:48	5.85	158.8	11.09	155.7	4.57	0	0	
2001-Aug-15	16:48	5.83	162.	11.17	169.4	4.57	0	0	
2001-Aug-15	16:49	5.83	165.1	11.23	178.6	4.57	0	0	
2001-Aug-15	16:49	5.85	168.3	11.15	164.8	4.57	0	0	
2001-Aug-15	16:50	5.85	171.4	11.1	160.3	4.57	0	0	
2001-Aug-15	16:50	5.83	174.5	11.	174.	4.57	0	0	
2001-Aug-15	16:51	5.83	177.7	11.02	160.3	4.57	0	0	
2001-Aug-15	16:51	5.83	180.8	11.13	169.4	4.57	0	0	
2001-Aug-15	16:52	5.83	183.9	11.17	174.	4.57	0	0	
2001-Aug-15	16:52	5.85	187.	11.17	132.8	4.57	0	0	
2001-Aug-15	16:53	5.85	190.2	11.17	178.6	4.57	0	0	
2001-Aug-15	16:53	5.85	193.3	11.1	160.3	4.57	0	0	
2001-Aug-15	16:54	5.85	196.5	10.99	109.9	4.57	0	0	
2001-Aug-15	16:54	5.85	199.6	11.02	132.8	4.57	0	0	
2001-Aug-15	16:55	5.88	202.7	11.09	128.2	4.57	0	0	
2001-Aug-15	16:55	5.85	205.8	11.17	174.	4.57	0	0	
2001-Aug-15	16:56	5.85	209.	11.18	123.6	4.57	0	0	
2001-Aug-15	16:56	5.85	212.2	11.	164.8	4.57	0	0	
2001-Aug-15	16:57	5.85	215.3	10.93	174.	4.57	0	0	
2001-Aug-15	16:57	5.85	215.3	10.93	174.	4.57	0	0	Start Mixing Tail Slurry
2001-Aug-15	16:57	5.85	215.3	10.93	174.	4.57	0	0	Reset Volume
2001-Aug-15	16:57	5.85	215.3	10.93	174.	4.57	0	0	[CumVol Proxim.] = .485 bbl
2001-Aug-15	16:57	5.78	0.104	12.88	178.6	4.57	0	0	
2001-Aug-15	16:58	4.86	3.09	13.69	132.8	4.57	0	0	
2001-Aug-15	16:58	4.83	5.66	14.8	178.6	4.57	0	0	
2001-Aug-15	16:59	4.65	8.16	15.29	174.	4.57	0	0	
2001-Aug-15	16:59	6.9	10.79	14.85	242.7	4.57	0	0	
2001-Aug-15	17:00	6.82	15.37	14.9	261.	4.57	0	0	
2001-Aug-15	17:00	4.29	22.2	14.55	100.7	4.57	0	0	
2001-Aug-15	17:01	4.32	25.12	15.21	114.5	4.57	0	0	
2001-Aug-15	17:01	5.98	28.23	14.15	187.7	4.57	0	0	
2001-Aug-15	17:02	5.6	31.	13.99	160.3	4.57	0	0	
2001-Aug-15	17:02	5.55	34.21	14.83	187.7	4.57	0	0	
2001-Aug-15	17:03	5.55	37.11	14.94	196.9	4.57	0	0	
2001-Aug-15	17:03	5.55	40.03	14.87	187.7	4.57	0	0	
2001-Aug-15	17:04	5.55	43.02	14.84	192.3	4.57	0	0	
2001-Aug-15	17:04	5.57	45.91	14.8	178.6	4.57	0	0	
2001-Aug-15	17:05	5.52	48.89	15.02	187.7	4.57	0	0	
2001-Aug-15	17:05	5.52	51.99	15.06	196.9	4.57	0	0	

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Well		Field			Service Date		Customer		Job Number
HCU #1620-C		Bradshaw			01227-Aug-15		LOUIS DREYFUS NATURAL GAS CORP		2205410172
Date	Time	GPT773 THO	CumVol E&H	Density	Pressure D1	rs/hr			Message
	24 hr clock	bpm	bbl	ppg	psi	NONE			
2001-Aug-15	17:06	5.52	54.93	15.19	201.5	4.57	0	0	
2001-Aug-15	17:06	5.62	57.92	14.39	178.6	4.57	0	0	
2001-Aug-15	17:07	5.67	61.	13.84	183.2	4.57	0	0	
2001-Aug-15	17:07	5.67	61.	13.84	183.2	4.57	0	0	wash to pit
2001-Aug-15	17:07	5.67	61.	13.84	183.2	4.57	0	0	PAUSE ACQUISITION
2001-Aug-15	17:19	5.67	61.	13.84	183.2	4.57	0	0	RESTART AFTER PAUSE
2001-Aug-15	17:19	0.	61.84	8.42	-4.58	4.57	0	0	
2001-Aug-15	17:19	0.	61.84	8.42	-4.58	4.57	0	0	Drop Top Plug
2001-Aug-15	17:19	0.	61.84	8.42	-4.58	4.57	0	0	Start Displacement
2001-Aug-15	17:19	0.	61.84	8.42	-4.58	4.57	0	0	Reset Volume
2001-Aug-15	17:19	0.	61.84	8.42	-4.58	4.57	0	0	[CumVol Proxim.]=53.24 bbl
2001-Aug-15	17:19	0.	0.	8.42	-4.58	4.57	0	0	
2001-Aug-15	17:20	5.11	0.955	8.35	59.52	4.57	0	0	
2001-Aug-15	17:20	5.01	3.55	8.35	13.74	4.57	0	0	
2001-Aug-15	17:21	5.04	6.3	8.3	45.79	4.57	0	0	
2001-Aug-15	17:21	4.6	8.92	8.3	4.58	4.57	0	0	
2001-Aug-15	17:22	4.63	11.42	8.31	45.79	4.57	0	0	
2001-Aug-15	17:22	4.6	13.95	8.31	59.52	4.57	0	0	
2001-Aug-15	17:23	4.63	16.48	8.3	64.1	4.57	0	0	
2001-Aug-15	17:23	4.5	18.88	8.3	36.63	4.57	0	0	
2001-Aug-15	17:24	4.45	21.2	8.3	50.37	4.57	0	0	
2001-Aug-15	17:24	4.29	23.48	8.3	123.6	4.57	0	0	
2001-Aug-15	17:25	4.17	25.69	8.3	164.8	4.57	0	0	
2001-Aug-15	17:25	4.42	28.05	8.3	242.7	4.57	0	0	
2001-Aug-15	17:26	4.29	30.29	8.3	270.1	4.57	0	0	
2001-Aug-15	17:26	4.22	32.48	8.3	320.5	4.57	0	0	
2001-Aug-15	17:27	4.19	34.65	8.3	389.2	4.57	0	0	
2001-Aug-15	17:27	2.12	36.56	8.3	370.9	4.57	0	0	
2001-Aug-15	17:28	1.94	37.61	8.3	398.4	4.57	0	0	
2001-Aug-15	17:28	1.97	38.61	8.3	425.8	4.57	0	0	
2001-Aug-15	17:29	1.94	39.61	8.3	444.1	4.57	0	0	
2001-Aug-15	17:29	1.89	40.6	8.3	467.	4.57	0	0	
2001-Aug-15	17:30	1.84	41.57	8.3	489.9	4.57	0	0	
2001-Aug-15	17:30	1.81	42.51	8.3	499.1	4.57	0	0	
2001-Aug-15	17:31	1.81	43.45	8.3	540.3	4.57	0	0	
2001-Aug-15	17:31	1.81	44.4	8.3	549.5	4.57	0	0	
2001-Aug-15	17:32	1.76	45.32	8.3	595.2	4.57	0	0	
2001-Aug-15	17:32	1.74	46.25	8.3	576.9	4.57	0	0	
2001-Aug-15	17:33	1.71	47.16	8.3	604.4	4.57	0	0	
2001-Aug-15	17:33	0.	47.78	8.3	1117	4.57	0	0	
2001-Aug-15	17:34	0.	47.78	8.3	1117	4.57	0	0	Bump Top Plug
2001-Aug-15	17:34	0.	47.78	8.3	1117	4.57	0	0	Bleed Off Pressure
2001-Aug-15	17:34	0.	47.78	8.3	1058	4.57	0	0	
2001-Aug-15	17:34	0.	47.78	8.3	-9.16	4.57	0	0	
2001-Aug-15	17:35	0.	47.78	8.3	-9.16	4.57	0	0	End Displacement
2001-Aug-15	17:35	0.	47.78	8.3	4.58	4.57	0	0	

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Well HCU #1620-C		Field Bradshaw		Service Date 01227-Aug-15		Customer LOUIS DREYFUS NATURAL GAS CORP		Job Number 2205410172	
Date	Time 24 hr clock	CPT773 THO bpm	CumVol E&H bbl	Density PPG	Pressure U1 psi	Instfrz NONE	Message		
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
6			6.5	265		30			
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
1150	1150	160	1150			bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	55 bbl		
%	246 bbl		46.7 bbl	75 °F	<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative Toews, Daryl			Dowell Supervisor Camargo, Jose			<input type="checkbox"/> Circulation Lost	<input checked="" type="checkbox"/> Job Completed		

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