

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: Oneok Field Services
Operator Contact Person: Lenora Sawyer
Phone (405) 748-2725
Contractor: Name Chéyenne Drilling
License: 5382
Wellsite Geologist: NA
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: _____
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. _____
8/16/01 8/18/01 10/17/01
Spud Date Date Reached TD Completion Date

API NO. 15 - 075-20759-0000 ORIGINAL
County Hamilton
NW - SE - SE Sec. 22 Twp. 22S Rge. 40 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 # 2220-C
Field Name Bradshaw
Producing Formation Chase
Elevation: Ground 3533.2' KB 3539.5'
Total Depth 2896' PBTB 2846'
Amount of Surface Pipe Set and Cemented at 324' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set NA Feet
If Alternate II completion, cement circulated from 2891'
feet depth to Surface w/ 550 sx cmt
Drilling Fluid Management Plan ALT 2 gfw 11/2/01
(Data must be collected from the Reserve Pit)
Chloride content 12000 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. _____

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
Regulatory Technician Date 10/19/01
Subscribed and sworn to before me this 19th day of October
2001
Notary Public Ronnie A. Renfro
Date Commission Expires 9-01-05

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

10-22-01
KCC WICHITA

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 2220-C

Sec. 22 Twp. 22 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:
 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	12-1/4"	8-5/8"	24#	324'	Class "C"	200	2% cc + 1/4# flocele
Production	7-7/8"	4-1/2"	10.5#	2891'	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	2711-2731'	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/1812 gal 65Q foam.	2711- 2731'

TUBING RECORD				Liner Run			
Size	Set At	Packer At		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
2-3/8"	2779'	NA					
Date of First, Resumed Production, SWD or Inj. 10/15/01			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 Bbls NA	Gas Mcf 74	Water Bbls 432	Gas-Oil Ratio NA	Gravity NA		

Disposition of Gas: METHOD OF COMPLETION Production Interval 2711' - 2731'

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If Vented, submit ACO-18.) Other (Specify) _____

DRILLER'S LOG

LOUIS DREFUS NATURAL GAS CORP
HCU 2220-C
SECTION 22-T22S-R40W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-16-01
COMPLETED: 08-18-01

RECEIVED

OCT 22 2001

SURFACE CASING: 324' OF 8 5/8" CMTD
W/200 SKS CLASS C + 2% CC + 1/4#/SK
FLOCELE.

FORMATION	KCC WICHITA	DEPTH
SURFACE HOLE		0 - 324
SANDSTONE & CLAY		324 - 760
RED BED		760 - 2810
CHASE		2810 - 2896 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
WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24TH DAY OF AUGUST, 2001.

JOLENE K. RUSSELL
Jolene K. Russell
NOTARY PUBLIC



ALLIED CEMENTING CO., INC. 7209

Federal Tax I.D.# 48-0727860

ORIGINAL

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

15-075-20759-0000

SERVICE POINT:

Oakley

DATE 8-16-01	SEC. 22	TWP. 22	RANGE 40	CALLED OUT	ON LOCATION 5:30 PM	JOB START 6:15 PM	JOB FINISH 6:40 PM
LEASE HCU	WELL # 2220-C	LOCATION Sycamore 10N 4E 34S W 1/4		COUNTY Hamilton	STATE KS		
OLD OR NEW (Circle one)							

CONTRACTOR Cheyenne Drlg R'g 11

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 324

CASING SIZE 8 7/8 DEPTH 324

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 34.65

CEMENT LEFT IN CSG. 34.65

PERFS.

DISPLACEMENT 19 1/2

OWNER Louis Dreyfus

CEMENT AMOUNT ORDERED 200sk c/c 2% cc 1/2" Flo Seal

COMMON @

POZMIX @

GEL @

CHLORIDE @

HANDLING @

MILEAGE @

EQUIPMENT

PUMP TRUCK # 191 CEMENTER Dgan

HELPER Andrew

BULK TRUCK # 315 DRIVER Fuzzy

BULK TRUCK # DRIVER

RECEIVED

OCT 22 2001

KCC WICHITA SERVICE

TOTAL

REMARKS:

Cement did circulate

Plug Landed

Float Held

DEPTH OF JOB 324'

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG @

TOTAL

CHARGE TO: Cheyenne Drlg

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

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 [Signature]

Dennis Saloia
PRINTED NAME



Cementing Service Report

Customer LOUIS DREYFUS NATURAL GAS CORP	Job Number 2205410174
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Well HCU 2220-C		Location (legal)		Dowell Location Ulysses, KS		Job Start 2001-Aug-18	
Field BRADSHAW		Formation Name/Type Chase		Deviation *		Well MD 2,895 ft	
County HAMILTON		State/Province KS		BHP psi		Well TVD 2,895 ft	
Rig Name ENNE WELL SERVIC		Drilled For Gas		Service Via Land		Casing/Liner	
Offshore Zone		Well Class New		Well Type Development		Depth, ft	
Drilling Fluid Type Bentonite		Max. Density 9 lb/gal		Plastic Viscosity 33 cp		Size, in	
Service Line Cementing		Job Type Cem Prod Casing		Weight, lb/ft		Grade	
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection Single cement head		Thread	
Service Instructions Cement 4 1/2 Casing to surface per clients request.		Perforations/Open Hole		Top, ft		Bottom, ft	
		Top, ft		Bottom, ft		spf	
		No. of Shots		Total Interval		ft	
		Diameter		in			
Treat Down Casing		Displacement 45.3 bbl		Packer Type None		Packer Depth ft	
Tubing Vol. bbl		Casing Vol. 46 bbl		Annular Vol. bbl		Open Hole Vol. 117.5 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure: 1912 psi		Pipe Rotated <input type="checkbox"/>		Pipe Recirculated <input type="checkbox"/>		Shoe Type: Guide	
No. Centralizers: 12		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 2895 ft	
Cement Head Type: Single		Job Scheduled For: 2001-Aug-18 14:00		Arrived on Location: 2001-Aug-18 17:00		Leave Location:	
		Stage Tool Type None		Stage Tool Depth: ft		Tail Pipe Size: in	
		Collar Type: Auto-Fill		Collar Depth: 2850 ft		Tail Pipe Depth: ft	
		Squeeze Total Vol. bbl					
Date	Time	Cum Vol E&H	Density	Pressure Uf	Rate E+H	Message	
	24 hr clock	bbl	ppg	psi	bpm		
2001-Aug-18	15:08	0	0	0	0	0	START ACQUISITION
2001-Aug-18	15:08	0.	8.59	0.	0.	0	
2001-Aug-18	15:08	0.884	8.29	174.	3.18	0	
2001-Aug-18	15:09	2.85	8.29	82.42	4.1	0	
2001-Aug-18	15:09	4.89	8.29	137.4	4.08	0	
2001-Aug-18	15:10	4.89	8.29	137.4	4.08	0	Start Pumping Wash
2001-Aug-18	15:10	2.02	8.3	155.7	4.5	0	
2001-Aug-18	15:10	4.39	8.3	137.4	4.94	0	
2001-Aug-18	15:11	6.88	8.3	123.6	4.94	0	
2001-Aug-18	15:11	9.35	8.31	160.3	4.9	0	
2001-Aug-18	15:12	11.79	8.31	169.4	4.88	0	
2001-Aug-18	15:12	14.23	8.31	169.4	4.82	0	
2001-Aug-18	15:13	16.65	8.31	174.	4.76	0	
2001-Aug-18	15:13	19.06	10.39	151.1	4.06	0	
2001-Aug-18	15:14	0.052	8.65	151.1	3.08	0	
2001-Aug-18	15:14	2.03	8.33	160.3	4.02	0	
2001-Aug-18	15:15	4.03	8.42	174.	4.08	0	
2001-Aug-18	15:15	5.69	0.	196.9	0.	0	
2001-Aug-18	15:16	1.85	11.06	251.8	4.54	0	
2001-Aug-18	15:16	4.29	10.79	283.9	5.37	0	
2001-Aug-18	15:17	7.13	10.83	315.9	5.69	0	
2001-Aug-18	15:17	10.1	10.19	320.5	6.25	0	

15-075-20759-0000

ORIGINAL

Well		Field		Service Date		Customer			Job Number
HCU #2220-C		BRADSHAW		01230-Aug-18		LOUIS DREYFUS NATURAL GAS CORP			220541017A
Date	Time	Cur Vol E&H	Density	Pressure UI	Rate E&H				Message
	24 hr Clock	SMI	PPG	psi	bpm				
2001-Aug-18	15:18	10.1	10.19	320.5	6.25	0	0	0	Start Mixing Lead Slurry
2001-Aug-18	15:18	13.26	10.52	320.5	6.59	0	0	0	
2001-Aug-18	15:18	16.46	11.06	311.4	6.33	0	0	0	
2001-Aug-18	15:19	19.65	11.23	288.5	6.29	0	0	0	
2001-Aug-18	15:19	22.87	11.29	261.	6.41	0	0	0	
2001-Aug-18	15:20	26.13	11.29	242.7	6.51	0	0	0	
2001-Aug-18	15:20	29.56	11.32	238.1	7.45	0	0	0	
2001-Aug-18	15:21	33.35	11.18	251.8	7.65	0	0	0	
2001-Aug-18	15:22	37.13	10.91	206.	7.67	0	0	0	
2001-Aug-18	15:22	40.94	10.78	169.4	7.07	0	0	0	
2001-Aug-18	15:23	44.55	10.78	164.8	7.17	0	0	0	
2001-Aug-18	15:23	48.2	10.94	178.6	7.09	0	0	0	
2001-Aug-18	15:24	51.79	10.99	155.7	7.49	0	0	0	
2001-Aug-18	15:24	55.4	11.02	164.8	7.09	0	0	0	
2001-Aug-18	15:25	59.01	11.	164.8	7.05	0	0	0	
2001-Aug-18	15:25	62.62	11.06	169.4	7.17	0	0	0	
2001-Aug-18	15:26	66.18	11.16	169.4	6.93	0	0	0	
2001-Aug-18	15:26	69.81	11.1	178.6	7.37	0	0	0	
2001-Aug-18	15:27	73.41	11.09	164.8	6.93	0	0	0	
2001-Aug-18	15:27	77.03	11.08	160.3	7.21	0	0	0	
2001-Aug-18	15:28	80.6	11.08	160.3	6.63	0	0	0	
2001-Aug-18	15:28	84.14	11.14	164.8	7.07	0	0	0	
2001-Aug-18	15:29	87.73	11.13	169.4	7.23	0	0	0	
2001-Aug-18	15:29	91.43	11.07	146.5	7.41	0	0	0	
2001-Aug-18	15:30	95.19	11.07	169.4	7.41	0	0	0	
2001-Aug-18	15:30	98.57	11.1	164.8	5.73	0	0	0	
2001-Aug-18	15:31	101.8	11.13	123.6	6.95	0	0	0	
2001-Aug-18	15:31	105.3	11.04	137.4	7.19	0	0	0	
2001-Aug-18	15:32	108.6	11.01	146.5	6.93	0	0	0	
2001-Aug-18	15:32	112.5	10.84	146.5	6.81	0	0	0	
2001-Aug-18	15:33	115.9	10.81	132.8	6.55	0	0	0	
2001-Aug-18	15:33	119.3	10.85	164.8	6.47	0	0	0	
2001-Aug-18	15:34	122.9	10.89	174.	7.09	0	0	0	
2001-Aug-18	15:34	126.5	10.97	174.	6.99	0	0	0	
2001-Aug-18	15:35	130.2	11.03	178.6	7.31	0	0	0	
2001-Aug-18	15:35	133.8	11.06	178.6	7.27	0	0	0	RECEIVED
2001-Aug-18	15:36	137.5	11.1	178.6	7.17	0	0	0	OCT 22 2001
2001-Aug-18	15:36	141.1	11.1	183.2	6.85	0	0	0	KCC WICHITA
2001-Aug-18	15:37	144.5	11.1	160.3	6.93	0	0	0	
2001-Aug-18	15:37	148.	11.14	155.7	6.51	0	0	0	
2001-Aug-18	15:38	151.3	11.16	141.9	6.53	0	0	0	
2001-Aug-18	15:38	154.7	11.13	160.3	6.75	0	0	0	
2001-Aug-18	15:39	158.1	11.12	155.7	6.83	0	0	0	
2001-Aug-18	15:39	161.4	11.11	174.	6.59	0	0	0	
2001-Aug-18	15:40	164.8	11.07	178.6	6.75	0	0	0	
2001-Aug-18	15:40	168.1	11.03	164.8	6.57	0	0	0	
2001-Aug-18	15:41	171.4	11.02	151.1	6.57	0	0	0	
2001-Aug-18	15:41	174.8	10.97	141.9	6.71	0	0	0	
2001-Aug-18	15:42	178.1	10.95	164.8	6.59	0	0	0	
2001-Aug-18	15:42	181.4	10.97	169.4	6.43	0	0	0	
2001-Aug-18	15:43	184.7	11.38	141.9	6.59	0	0	0	
2001-Aug-18	15:43	188.	11.29	155.7	6.59	0	0	0	
2001-Aug-18	15:44	191.3	11.02	160.3	6.61	0	0	0	
2001-Aug-18	15:44	0.338	11.38	160.3	6.99	0	0	0	

15-075-20759-0000

ORIGINAL

Well		Field		Service Date		Customer			Job Number
HCU #2220-C		BRADSHAW		01230-Aug-18		LOUIS DREYFUS NATURAL GAS CORP			2205410174
Date	Time	Gas Vol BSH	Density	Pressure UI	Rate BSH				Message
	24 hr clock	bbt	ppg	psi	bpm				
2001-Aug-18	15:44	0.338	11.38	160.3	6.99	0	0	0	Start Mixing Tail Slurry
2001-Aug-18	15:45	3.63	12.92	160.3	5.77	0	0	0	
2001-Aug-18	15:45	6.96	14.44	128.2	5.31	0	0	0	
2001-Aug-18	15:46	9.09	15.02	100.7	3.82	0	0	0	
2001-Aug-18	15:46	11.2	14.86	82.42	4.28	0	0	0	
2001-Aug-18	15:47	13.44	14.96	169.4	4.92	0	0	0	
2001-Aug-18	15:47	16.45	14.8	228.9	6.49	0	0	0	
2001-Aug-18	15:48	19.7	14.62	210.6	6.43	0	0	0	
2001-Aug-18	15:48	23.26	14.68	261.	7.21	0	0	0	
2001-Aug-18	15:49	26.59	14.91	247.3	6.29	0	0	0	
2001-Aug-18	15:49	29.37	14.5	206.	0.559	0	0	0	
2001-Aug-18	15:50	31.92	12.92	82.42	6.07	0	0	0	
2001-Aug-18	15:50	32.67	12.15	-9.16	0.	0	0	0	
2001-Aug-18	15:51	32.85	14.09	50.37	0.799	0	0	0	
2001-Aug-18	15:51	35.15	15.3	119.	4.92	0	0	0	
2001-Aug-18	15:52	38.25	15.1	224.4	6.17	0	0	0	
2001-Aug-18	15:52	41.34	15.06	228.9	6.09	0	0	0	
2001-Aug-18	15:53	44.56	15.09	242.7	6.37	0	0	0	
2001-Aug-18	15:53	47.77	14.8	228.9	6.39	0	0	0	
2001-Aug-18	15:54	50.97	15.14	242.7	6.37	0	0	0	
2001-Aug-18	15:54	54.17	14.83	238.1	6.45	0	0	0	
2001-Aug-18	15:55	57.07	14.65	-9.16	0.759	0	0	0	
2001-Aug-18	15:55	57.1	13.53	4.58	0.	0	0	0	
2001-Aug-18	15:56	1.81	9.37	146.5	5.53	0	0	0	
2001-Aug-18	15:56	4.6	8.97	137.4	5.25	0	0	0	
2001-Aug-18	15:57	7.24	8.75	151.1	5.01	0	0	0	
2001-Aug-18	15:57	9.88	8.63	77.84	5.27	0	0	0	
2001-Aug-18	15:58	12.78	8.51	160.3	5.99	0	0	0	
2001-Aug-18	15:58	15.76	8.36	164.8	5.67	0	0	0	
2001-Aug-18	15:59	17.07	8.45	-22.89	0.	0	0	0	
2001-Aug-18	15:59	17.07	8.39	-13.74	0.	0	0	0	
2001-Aug-18	16:00	0.306	8.39	50.37	3.46	0	0	0	
2001-Aug-18	16:00	2.8	8.39	36.63	5.	0	0	0	
2001-Aug-18	16:01	5.31	8.42	22.89	5.09	0	0	0	
2001-Aug-18	16:01	7.87	8.37	50.37	5.09	0	0	0	RECEIVED
2001-Aug-18	16:02	10.39	8.36	59.52	5.03	0	0	0	
2001-Aug-18	16:02	12.93	8.42	59.52	5.03	0	0	0	UGT 22 2001
2001-Aug-18	16:03	15.44	8.42	59.52	5.	0	0	0	
2001-Aug-18	16:03	17.39	8.42	64.1	3.4	0	0	0	KCC WICHITA
2001-Aug-18	16:04	18.87	8.42	59.52	2.5	0	0	0	
2001-Aug-18	16:04	20.5	8.42	77.84	3.72	0	0	0	
2001-Aug-18	16:05	22.36	8.45	100.7	3.68	0	0	0	
2001-Aug-18	16:05	24.4	8.45	128.2	4.32	0	0	0	
2001-Aug-18	16:06	26.53	8.45	187.7	4.14	0	0	0	
2001-Aug-18	16:06	28.57	8.45	228.9	4.04	0	0	0	
2001-Aug-18	16:07	30.56	8.45	270.1	3.96	0	0	0	
2001-Aug-18	16:07	32.51	8.46	293.	3.82	0	0	0	
2001-Aug-18	16:08	34.44	8.46	348.	3.84	0	0	0	
2001-Aug-18	16:08	36.33	8.39	389.2	3.72	0	0	0	
2001-Aug-18	16:09	38.2	8.38	425.8	3.7	0	0	0	
2001-Aug-18	16:09	40.04	8.38	522.	3.62	0	0	0	
2001-Aug-18	16:10	41.86	8.36	503.7	3.6	0	0	0	
2001-Aug-18	16:10	43.46	8.36	526.6	2.	0	0	0	
2001-Aug-18	16:11	44.53	8.36	567.8	1.98	0	0	0	

15-075-20759-0000

ORIGINAL

Well HCU #2220-C		Field BRADSHAW		Service Date 01230-Aug-18		Customer LOUIS DREYFUS NATURAL GAS CORP		Job Number 220541017A	
Date	Time	CumVol E&H	Density	Pressure UI	Rate E+H				Message
	24 hr Clock	bbl	PPG	psi	ppm				
2001-Aug-18	16:11	45.52	8.36	581.5	1.94	0	0	0	
2001-Aug-18	16:12	46.48	8.34	599.8	1.9	0	0	0	
2001-Aug-18	16:12	46.48	8.34	599.8	1.9	0	0	0	Bump Top Plug
2001-Aug-18	16:12	46.62	8.34	1094	0.	0	0	0	
2001-Aug-18	16:13	46.62	8.34	-9.16	0.	0	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5			6	240		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
600	600	200	1100			bbl	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 ft					
%	245 bbl	46 bbl	70 °F						
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed			
Toews, Daryl			David Brawley						

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