

ORIGINAL

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

API NO. 15 - 075-20720-00-00
County Hamilton
SW - NE - NE Sec. 10 Twp. 22S Rge. 41 X W

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 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. _____
8/5/00 8/7/00 9/7/00
Spud Date Date Reached TD Completion Date

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 # 1021-C
Field Name Bradshaw

Producing Formation Chase
Elevation: Ground 3626' KB 3631'
Total Depth 2912' PBTB 2868'

Amount of Surface Pipe Set and Cemented at 303' Feet
Multiple Stage Cementing Collar Used? Yes 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 78,000 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. _____

RECEIVED
STATE CORPORATION COMMISSION
Wichita, Kansas
SEP 1 2000

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 9/7/00

Subscribed and sworn to before me this 7th day of September
Notary Public for State of Oklahoma
Janice A. Renfro
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)

ORIGINAL

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 1021-C
Sec. 10 Twp. 22S Rge. 41 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
Electric Log Run Yes No
(Submit Copy.) See attached Driller's Log

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
					Cl "C"	125	2%cc + 1/4 flocele
Production	7-7/8"	4-1/2"	10.5#	2908'	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	PERFORATON RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Materials Used)	
2 spf	2724-2739'		Frac w/1000 gal 50Q 15% HCl acid + 16,000 gal 65Q WF 130 + 16,000# 12/20	2724-2770'
2 spf	2766-2770'		Brady sand + 16000# 12/20 resin coated sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2793'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9/1/00			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 333 Mcf	Water 195 Bbls.	Gas-Oil Ratio NA	Gravity

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2724-2770'
(If Vented, submit ACO-18.) Other (Specify) _____

ORIGINAL

DRILLER'S LOG

LOUIS DREYFUS NATURAL GAS CORP
HCU 1021 C
SECTION 10-T22S-R41W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-05-00
COMPLETED: 08-07-00

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

FORMATION	DEPTH
SURFACE HOLE	0 - 303
SANDSTONE & CLAY	303 - 1122
RED BED	1122 - 1713
GLORIETTA	1713 - 1965
RED BED	1965 - 2912 RTD

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

CHEYENNE DRILLING, INC.

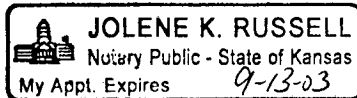


WRAY VALENTINE

STATE OF KANSAS: ss:

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

JOLENE K. RUSSELL


NOTARY PUBLIC

Cementing Service Report

ORIGINAL

Customer: LOUIS DREYFUS NATURAL GAS CORP Job Number: 20170704

Well HCU 1021-C		Location (legal) 10, 22S, 41W		Dowell Location Ulysses, KS		Job Start 08/07/2000					
Field HUGOTON		Formation Name/Type CHASE		Deviation 0		Bit Size 7.88 in	Well MD 2,900 ft	Well TVD 2,900 ft			
County Hamilton		State/Province KS		BHP psi	BHST 100 °F	BHCT 80 °F	Pore Press. Gradient psi/ft				
Rig Name CHEYENNE 8	Drilled For Oil & Gas	Service Via Land		Casing/Liner							
Offshore Zone	Well Class New	Well Type Development		Depth, ft 2902	Size, in 4.5	Weight, lb/ft 10.5	Grade K55	Thread 8RD			
Drilling Fluid Type		Max. Density 0 lb/gal	Plastic Viscosity 0 cp		Tubing/Drill Pipe						
Service Line Cementing	Job Type Cem Prod Casing		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0	Thread 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 Casing	Displacement 45.8 bbl	Packer Type None	Packer Depth ft			
				Tubing Vol. bbl	Casing Vol. 46 bbl	Annular Vol. bbl	OpenHole Vol bbl				
				Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job	
				Lift Pressure: 660 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reclprocated <input checked="" type="checkbox"/>		Shoe Type: Guide	Squeeze Type		
				No. Centralizers: 10	Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 2902 ft	Tool Type:		
Cement Head Type: Single		Job Scheduled For: 08/07/2000 10:00		Arrived on Location: 08/07/2000 10:00		Leave Location: 8/07/2000 14:00		Stage Tool Type	Tool Depth: 0 ft		
Cement Head Type: Single	Stage Tool Depth: 0 ft	Tall Pipe Size: 0 in	Collar Type: Auto-Fill	Tall Pipe Depth: 0 ft	Collar Depth: 2878 ft	Sqz Total Vol: 0 bbl					
Time 24 hr clock	CumVol bbl	Density ppg	Pressure U1 psi	TotFlowrate bpm				Message			
12:02	0	0	0	0	0	0	0	START ACQUISITION			
12:02	0.	-6.25	-3759	0.	0	0	0				
12:03	0.179	8.38	1937	0.	0	0	0				
12:03	0.179	8.38	1937	0.	0	0	0	Pressure Test Lines			
12:03	0.179	8.38	1937	0.	0	0	0	Start Pumping Water			
12:04	0.	8.32	45.79	0.	0	0	0				
12:05	1.76	8.33	279.3	5.7	0	0	0				
12:05	6.07	8.33	283.9	5.7	0	0	0				
12:06	10.38	8.35	302.2	5.7	0	0	0				
12:06	10.38	8.35	302.2	5.7	0	0	0	Start Mixing Lead Slurry			
12:07	2.2	9.48	352.6	5.7	0	0	0				
12:08	6.51	11.39	393.8	5.7	0	0	0				
12:08	10.81	11.39	398.4	5.7	0	0	0				
12:09	15.12	11.02	352.6	5.7	0	0	0				
12:10	19.43	11.42	343.4	5.7	0	0	0				
12:11	23.74	10.59	306.8	5.73	0	0	0				
12:11	28.05	11.36	302.2	5.73	0	0	0				
12:12	32.35	11.39	288.5	5.7	0	0	0				
12:13	36.66	11.36	247.3	5.7	0	0	0				
12:14	40.97	11.29	187.7	5.7	0	0	0				
12:14	45.28	11.45	87.	5.7	0	0	0				
12:15	49.59	11.53	119.	5.73	0	0	0				

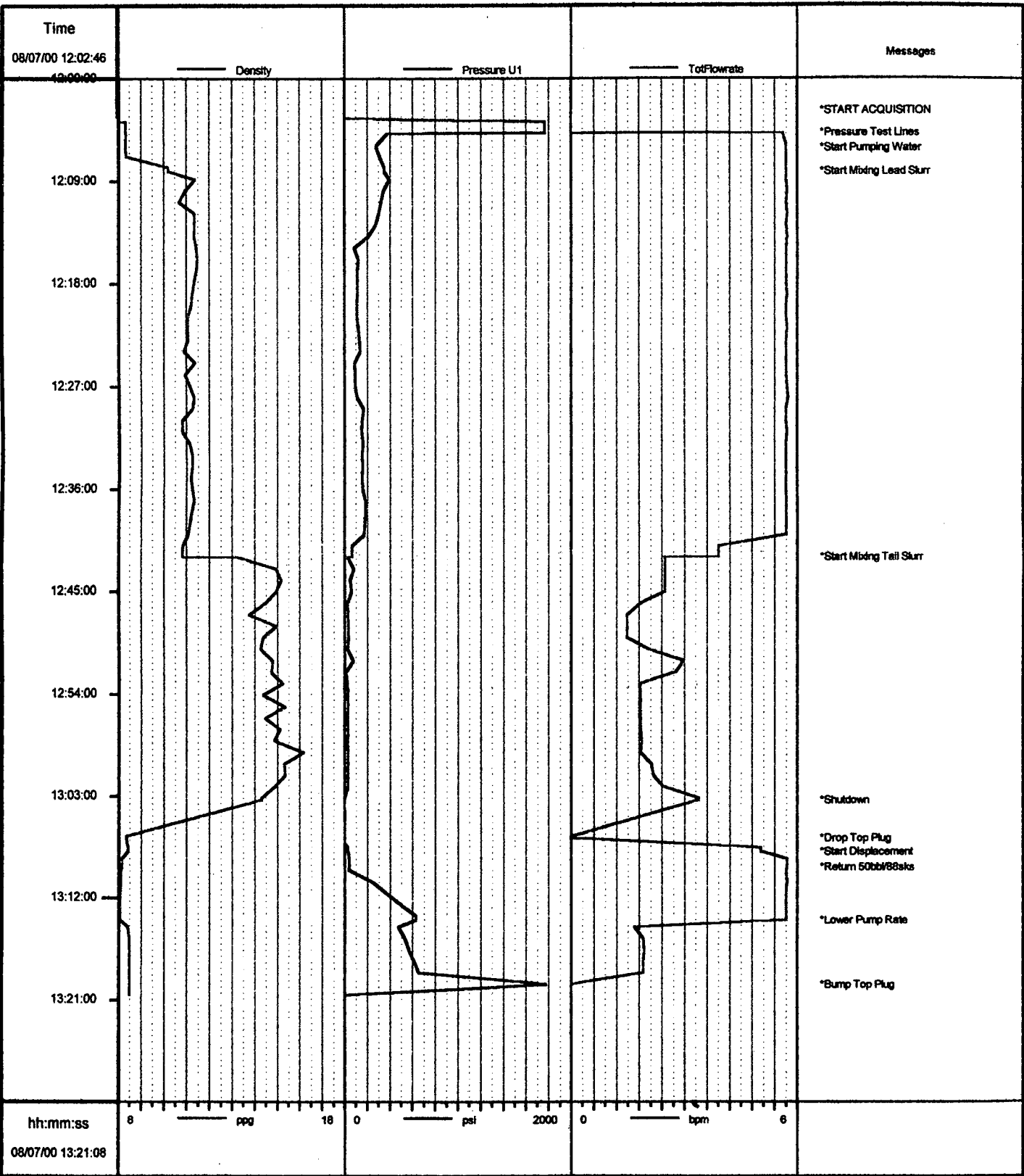
ORIGINAL

Well		Field				Service Date		Customer	
HCU #1021-C		HUGOTON						S DREYFUS NATURAL GAS	
								Job Number 20170704	
Time	CumVol	Density	Pressure U1	TotFlowrate				Message	
24 hr clock	bbl	ppg	psi	bpm					
12:16	53.89	11.45	119.	5.7	0	0	0		
12:17	58.2	11.39	114.5	5.7	0	0	0		
12:17	62.51	11.33	114.5	5.7	0	0	0		
12:18	66.82	11.29	114.5	5.73	0	0	0		
12:19	71.12	11.24	114.5	5.7	0	0	0		
12:20	75.43	11.17	109.9	5.7	0	0	0		
12:20	79.74	11.08	109.9	5.7	0	0	0		
12:21	84.05	11.07	114.5	5.7	0	0	0		
12:22	88.36	11.14	128.2	5.73	0	0	0		
12:23	92.66	10.79	132.8	5.73	0	0	0		
12:23	96.97	10.9	137.4	5.7	0	0	0		
12:24	101.3	11.51	100.7	5.7	0	0	0		
12:25	105.6	11.42	96.15	5.73	0	0	0		
12:26	109.9	10.78	87.	5.73	0	0	0		
12:26	114.2	11.16	96.15	5.73	0	0	0		
12:27	118.5	11.33	100.7	5.7	0	0	0		
12:28	122.8	11.33	169.4	5.7	0	0	0		
12:29	127.1	11.19	164.8	5.7	0	0	0		
12:29	131.4	10.84	155.7	5.7	0	0	0		
12:30	135.7	10.74	151.1	5.73	0	0	0		
12:31	140.	10.96	155.7	5.7	0	0	0		
12:32	144.3	11.2	164.8	5.7	0	0	0		
12:32	148.7	11.26	155.7	5.7	0	0	0		
12:33	153.	11.2	155.7	5.73	0	0	0		
12:34	157.3	11.24	160.3	5.7	0	0	0		
12:35	161.6	11.14	151.1	5.73	0	0	0		
12:35	165.9	11.25	160.3	5.7	0	0	0		
12:36	170.2	11.33	174.	5.7	0	0	0		
12:37	174.5	11.34	183.2	5.7	0	0	0		
12:38	178.8	11.17	174.	5.7	0	0	0		
12:38	183.1	11.16	178.6	5.7	0	0	0		
12:39	187.4	11.08	174.	5.7	0	0	0		
12:40	191.7	10.74	174.	5.7	0	0	0		
12:41	194.9	10.49	64.1	3.91	0	0	0		
12:41	194.9	10.49	64.1	3.91	0	0	0	Start Mixing Tail Slurry	
12:42	0.374	13.29	27.47	2.49	0	0	0		
12:42	2.24	14.27	77.84	2.49	0	0	0		
12:43	4.54	14.3	164.8	3.91	0	0	0		
12:44	6.63	14.87	73.26	2.49	0	0	0		
12:45	8.5	14.95	59.52	2.49	0	0	0		
12:45	10.34	14.29	41.21	1.82	0	0	0		
12:46	11.73	14.09	32.05	1.85	0	0	0		
12:47	12.87	14.24	22.89	1.48	0	0	0		
12:48	14.	14.97	32.05	1.48	0	0	0		
12:48	15.15	14.13	32.05	1.45	0	0	0		
12:49	16.28	15.84	36.63	1.59	0	0	0		
12:50	17.71	15.21	27.47	2.07	0	0	0		
12:51	19.55	14.81	77.84	2.99	0	0	0		
12:51	21.72	14.08	36.63	2.8	0	0	0		
12:52	23.51	14.5	13.74	1.79	0	0	0		
12:53	24.89	15.15	27.47	1.85	0	0	0		
12:54	26.27	14.38	27.47	1.85	0	0	0		
12:54	27.66	15.08	18.32	1.82	0	0	0		
12:55	29.05	15.09	27.47	1.85	0	0	0		

Well		Field			Service Date		Customer		Job Number	
HCU #1021-C		HUGOTON					S DREYFUS NATURAL GAS		20170704	
Time	CumVol	Density	Pressure U1	TotFlowrate					Message	
24 hr clock	bbbl	ppg	psi	bpm						
12:56	30.43	15.11	9.16	1.82	0	0	0			
12:57	31.82	15.13	27.47	1.85	0	0	0			
12:57	33.21	14.5	27.47	1.85	0	0	0			
12:58	34.59	15.39	27.47	1.85	0	0	0			
12:59	36.03	14.39	27.47	2.1	0	0	0			
13:00	37.62	15.32	27.47	2.12	0	0	0			
13:00	39.23	15.08	27.47	2.18	0	0	0			
13:01	40.87	14.87	22.89	2.18	0	0	0			
13:02	42.63	15.92	22.89	2.46	0	0	0			
13:03	44.88	14.32	0.	3.38	0	0	0			
13:03	44.88	14.32	0.	3.38	0	0	0		Shutdown	
13:06	45.25	8.35	-36.63	0.	0	0	0			
13:06	45.25	8.35	-36.63	0.	0	0	0		Drop Top Plug	
13:06	45.25	8.35	-36.63	0.	0	0	0		Start Displacement	
13:06	45.25	8.35	-36.63	0.	0	0	0		Return 50bbl/88sks	
13:07	0.	8.42	-4.58	0.	0	0	0			
13:08	3.41	8.4	36.63	5.7	0	0	0			
13:08	7.7	8.14	41.21	5.7	0	0	0			
13:09	12.	8.12	36.63	5.7	0	0	0			
13:10	16.29	8.08	210.6	5.73	0	0	0			
13:11	20.58	8.09	329.7	5.7	0	0	0			
13:11	24.87	8.09	407.5	5.7	0	0	0			
13:12	29.17	8.08	494.5	5.7	0	0	0			
13:13	33.46	8.07	590.7	5.7	0	0	0			
13:13	33.46	8.07	590.7	5.7	0	0	0		Lower Pump Rate	
13:14	36.68	8.08	467.	1.65	0	0	0			
13:14	37.92	8.43	489.9	1.65	0	0	0			
13:15	39.36	8.46	531.1	1.9	0	0	0			
13:16	40.8	8.49	567.8	1.9	0	0	0			
13:17	42.24	8.49	595.2	1.9	0	0	0			
13:17	43.67	8.49	613.6	1.9	0	0	0			
13:18	45.11	8.49	654.8	1.9	0	0	0			
13:19	46.55	8.49	668.5	1.9	0	0	0			
13:19	46.55	8.49	668.5	1.9	0	0	0		Bump Top Plug	
13:20	46.79	8.49	792.1	0.	0	0	0			
13:20	46.79	8.49	9.16	0.	0	0	0			
13:21	46.79	8.49	9.16	0.	0	0	0		End Job	

Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2		Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5	0		0	6	246	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density		
660	1600	200	1600	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		
0 %		248 bbl		45.8 bbl	°F	<input type="checkbox"/> Washed Thru Perfs		To 0 ft		
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed
Darrell Toews				Charley King						

Well HCU-1021-C	Client Louis Dreyfus Natural Ga
Field	SIR No. 20170704
Country USA	Job Date 08/07/2000 12:02:46 PM



Job: dreyfus
08/07/2000 13:23:26

*Mark of Schlumberger