

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

API NO. 15 - 075-20725 - 00-00 **ORIGINAL**
County Hamilton
- NW - SE - SE Sec. 34 Twp. 23S Rge. 41 X W ^E

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. _____

8/16/00 8/18/00 9/21/00
Spud Date Date Reached TD Completion Date

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

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

Footages Calculated from Nearest Outside Section Corner:

NE NW or SW (circle one)

Lease Name HCU Well # 3431-B

Well Name Bradshaw

Producing Formation Chase

Elevation: Ground 3322' KB 3327'

Total Depth 2607' PBTB 2569'

Amount of Surface Pipe Set and Cemented at 311' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2602'

feet depth to Surface w/ 500 sx cmt

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) *Alt. #2 KJR 8/13/07*

Chloride content 42000 ppm Fluid volume 880 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Louis Dreyfus Natural Gas Corp.

Lease Name HCU 720-C Reserve Pit License No. 31321

NE Quarter Sec. 7 Twp. 22 S Rng. 40 E / W

County Hamilton Docket No. API # 15-075-20718

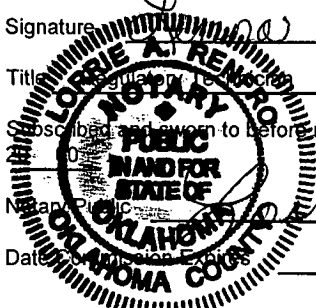
OCT 4 2000
CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION

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 _____ Date 10/2/00
Subscribed and sworn to before me this 2nd day of October
Notary Public Lorrie A. Renfro
Date 9-01-01



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

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 3431-B
 Sec. 34 Twp. 23S 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 See attached Driller's Log
 Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
 Scintillation Gamma Ray

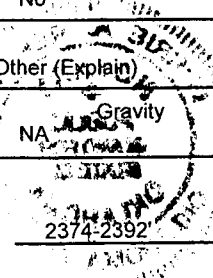
CASING RECORD							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	311'	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#	2602'	Cl "C"	300	3%D79+1/4 pps D29
					Cl "C"	200	2%S1 + 1/4 ppd 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	2374-2392'		Frac w/1000 gal 50Q 15% HCl acid + 16000 gal 65Q WF130 + 16000# 12/20	2374-2392'
			Brady sand + 16000# 12/20 resin coated sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2433'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9/17/00			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 179 Mcf	Water 144 Bbls.	Gas-Oil Ratio	Gravity

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



DRILLER'S LOG

LOUIS DREYFUS NATURAL GAS CORP
HCU 3431 B
SECTION 34-T23S-R41W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-16-00

COMPLETED: 08-18-00

SURFACE CASING: 311' OF 8 5/8" CMTD
W/50 SKS 65:35 POZ + 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 - 311
SANDSTONE & RED BED	311 - 933
RED BED	933 - 1340
GLORIETTA	1340 - 1530
RED BED	1530 - 2500
LIMESTONE & SHALE	2500 - 2607 RTD

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

CHEYENNE DRILLING, INC.

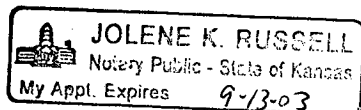
Wray Valentine
WRAY VALENTINE

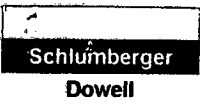
STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 18TH DAY OF AUGUST, 2000.

JOLENE K. RUSSELL

Jolene K. Russell
NOTARY PUBLIC





Cementing Service Report

ORIGINAL

Customer CHEYENNE DRILLING	Job Number 20171795
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Well HCU 3431-B		Location (legal) 34-23S-41W		Dowell Location Ulysses, KS		Job Start 8/16/00	
Field BRADSHAW		Formation Name/Type		Deviation 0 °	BK Size 12.3 in	Well MD 311 ft	Well TVD 311 ft
County HAMILTON		State/Province KS		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft
Rig Name CHEYENNE 8	Drilled For Gas	Service Via Land		Casing/Liner			
Offshore Zone	Well Class New	Well Type Development		Depth, ft 315	Size, in 8.63	Weight, lb/ft 24	Grade 0
Drilling Fluid Type Bentonite	Max. Density 9.6 lb/gal	Plastic Viscosity 12 cp		Tubing/Drill Pipe			
Service Line Cementing	Job Type Cem Surface Casing		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0	Thread 0
Max. Allowed Tubing Pressure 500 psi	Max. Allowed Ann. Pressure 0 psi	Wellhead Connection 8 5/8 swadge		Perforations/Open Hole			

Service Instructions
 5/8" surface @ approx 325' in 12 1/4" hole
 50 sk lead @ 12.3 ppg
 125 sk tail @ 14.8 ppg
 Turnkey surface casing for LDNG

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in
Treat Down Casing	Displacement 18 bbl	Packer Type	Packer Depth 0 ft	
Tubing Vol. 0 bbl	Casing Vol. 20 bbl	Annular Vol. 22 bbl	OpenHole Vol 0 bbl	

Casing/Tubing Secured 1 Hole Volume Circulated prior to Cementing

Lift Pressure: **174 psi**

Pipe Rotated Pipe Reciprocated

No. Centralizers: **3** Top Plugs: **1** Bottom Plugs: **0**

Cement Head Type: **Single**

Job Scheduled For: **8/16/00 14:00** Arrived on Location: **8/16/00 14:00** Leave Location: **8/16/00 18:00**

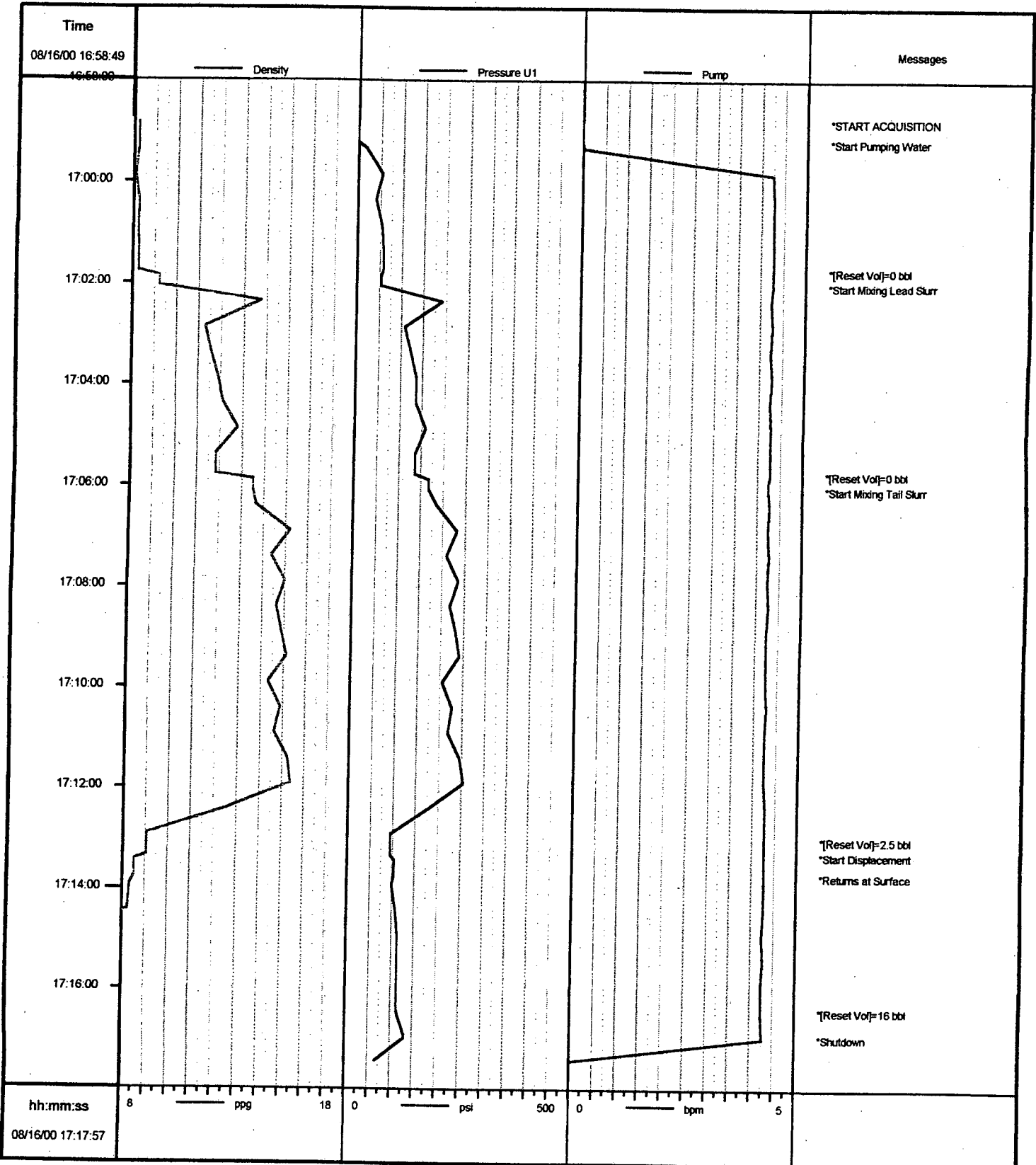
Casing Tools		Squeeze Job	
Shoe Type: Other	Squeeze Type		
Shoe Depth: 311 ft	Tool Type:		
Stage Tool Type	Tool Depth: 0 ft		
Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in		
Collar Type: Auto-Fill	Tail Pipe Depth: 0 ft		
Collar Depth: 294 ft	Seq Total Vol: 0 bbl		

Time	Cum/Vol 24 hr clock bbl	Density ppg	Pressure Uf psi	Pump bpm	Reset Vol bbl	Message	
16:58	0	0	0	0	0	0	START ACQUISITION
16:58	0.	8.26	0.	0.	0.	0	
16:58	0.	8.26	0.	0.	0.	0	Start Pumping Water
16:59	0.	8.26	18.32	0.028	0.	0	
16:59	1.93	8.12	54.95	4.25	1.93	0	
17:00	4.08	8.31	41.21	4.28	4.08	0	
17:00	6.22	8.28	54.95	4.28	6.22	0	
17:01	8.37	8.31	59.52	4.28	8.37	0	
17:01	8.37	8.31	59.52	4.28	8.37	0	
17:01	8.37	8.31	59.52	4.28	8.37	0	[[Reset Vol]=0 bbl
17:01	8.37	8.31	59.52	4.28	8.37	0	Start Mixing Lead Slurry
17:01	10.53	9.25	54.95	4.28	0.362	0	
17:02	12.67	13.79	192.3	4.25	2.5	0	
17:02	14.81	11.32	109.9	4.28	4.65	0	
17:03	16.96	11.59	123.6	4.25	6.79	0	
17:03	19.1	11.92	137.4	4.28	8.94	0	
17:04	21.24	12.16	137.4	4.25	11.08	0	
17:04	23.38	12.81	160.3	4.28	13.22	0	
17:05	25.53	11.85	137.4	4.28	15.36	0	
17:05	25.53	11.85	137.4	4.28	15.36	0	
17:05	25.53	11.85	137.4	4.28	15.36	0	[[Reset Vol]=0 bbl
17:05	25.53	11.85	137.4	4.28	15.36	0	Start Mixing Tail Slurry
17:05	27.68	13.54	169.4	4.25	0.428	0	
17:06	29.82	13.68	187.7	4.28	2.57	0	

Well			File			Service Date		Customer		Job Number	
HCU #3431-B			BRADSHAW					CHEYENNE DRILLING		20171795	
Time	Cum/Vol	Density	Pressure U1	Pump	Reset Vol			Message			
24 hr clock	bbbl	ppg	psi	bpm	bbbl						
17:06	31.96	15.23	233.5	4.25	4.71	0	0				
17:07	34.09	14.42	210.6	4.28	6.84	0	0				
17:07	36.23	15.04	238.1	4.25	8.98	0	0				
17:08	38.37	14.68	219.8	4.28	11.12	0	0				
17:08	40.51	14.9	233.5	4.25	13.26	0	0				
17:09	42.65	15.15	242.7	4.25	15.4	0	0				
17:09	44.8	14.36	206.	4.25	17.55	0	0				
17:10	46.94	14.9	228.9	4.28	19.69	0	0				
17:10	49.08	14.65	219.8	4.25	21.83	0	0				
17:11	51.22	15.28	247.3	4.25	23.97	0	0				
17:11	53.36	15.42	256.4	4.25	26.11	0	0				
17:12	55.51	12.59	178.6	4.28	28.26	0	0				
17:12	57.65	9.1	96.15	4.28	30.4	0	0				
17:13	57.65	9.1	96.15	4.28	30.4	0	0	[Reset Vol]=2.5 bbl			
17:13	57.65	9.1	96.15	4.28	30.4	0	0	Start Displacement			
17:13	57.65	9.1	96.15	4.28	30.4	0	0	Returns at Surface			
17:13	59.81	8.55	105.3	4.28	4.15	0	0				
17:13	61.96	8.34	100.7	4.28	6.3	0	0				
17:14	64.1	8.28	109.9	4.28	8.45	0	0				
17:14	66.25	5.	114.5	4.25	10.59	0	0				
17:15	68.39	5.	114.5	4.28	12.74	0	0				
17:15	70.54	5.	114.5	4.25	14.88	0	0				
17:16	72.68	5.	114.5	4.25	17.02	0	0				
17:16	72.68	5.	114.5	4.25	17.02	0	0	[Reset Vol]=16 bbl			
17:16	74.82	5.	132.8	4.28	18.	0	0				
17:16	74.82	5.	132.8	4.28	18.	0	0	Shutdown			
17:17	74.91	5.	68.68	0.	18.09	0	0				
17:17	74.91	5.	68.68	0.	18.09	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		
4	0	0	4.3	46	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
245	36	180	500	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 16 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft					
0 %	75 bbl	18 bbl	75 °F						
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Domoso Castillo			Brennon Fica						

Well	HCU 3431-B	Client	Cheyenne Drilling
Field	Bradshaw	SIR No.	20171795
Country	USA	Job Date	8/16/2000 4:58:49 PM



Job: chs1795
08/16/2000 17:22:04

ORIGINAL

Cementing Service Report

Schlumberger
Dowell

Customer: LOUIS DREYFUS NATURAL GAS CORP
Job Number: 20171805

Well: HCU 3431-B		Location (legal): 34-23S-41W		Dowell Location: Ulysses, KS		Job Start: 8/18/00	
Field: BRADSHAW		Formation Name/Type: CHASE		Deviation: °		Well MD: 2,607 ft	
County: HAMILTON		State/Province: KS		BHP: psi		Well TVD: 2,607 ft	
Rig Name: CHEYENNE 8		Drilled For: Gas		Service Via: Land		Casing/Liner	
Offshore Zone:		Well Class: New		Well Type: Development		Pore Press. Gradient: psi/ft	
Drilling Fluid Type: Bentonite		Max. Density: 9.4 lb/gal		Plastic Viscosity: 10 cp		Tubing/Drill Pipe	
Service Line: Cementing		Job Type: Cem Prod Casing		Depth, ft: 0		Grade: Thread	
Max. Allowed Tubing Pressure: 1000 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 300 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		Total Interval: ft	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure: 580 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type: Guide	
No. Centralizers: 10		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 2602 ft	
Cement Head Type: Double		Arrived on Location: 8/18/00 3:46		Leave Location: 8/18/00 8:30		Tool Type:	
Job Scheduled For:		Casing Vol. bbl		Casing Vol. 41.5 bbl		Tool Depth: 0 ft	
		Annular Vol. 106 bbl		Open Hole Vol. bbl		Tail Pipe Size: 0 in	
		Squeeze Total Vol: 0 bbl		Collar Type: Auto-Fill		Tail Pipe Depth: 0 ft	
		Collar Depth: 2584 ft		Stage Tool Type		Stage Tool Depth: 0 ft	

Time	CurVol	Density	Pressure U1	Pump	Reset Vol	Message	
24 hr clock	bbl	ppg	psi	bpm	bbl		
6:51	0	0	0	0	0	0	START ACQUISITION
6:51	0.	8.43	0.	0.	0.	0	
6:51	0.	8.43	0.	0.	0.	0	Pressure Test Lines
6:52	0.318	8.44	1016	0.028	0.318	0	
6:53	0.318	8.44	1016	0.028	0.318	0	[Reset Vol]=0 bbl
6:53	0.325	8.41	41.21	0.	0.	0	
6:54	0.325	8.42	27.47	0.	0.	0	
6:54	0.325	8.42	27.47	0.	0.	0	Start Pumping Water
6:55	2.45	8.32	329.7	4.92	2.13	0	
6:56	8.86	8.28	384.6	6.35	8.54	0	
6:56	8.86	8.28	384.6	6.35	8.54	0	[Reset Vol]=0 bbl
6:56	8.86	8.28	384.6	6.35	8.54	0	Start Mixing Lead Slurry
6:57	15.17	10.88	402.9	6.24	5.57	0	
6:58	21.5	11.94	444.1	6.91	11.89	0	
6:59	28.63	11.4	370.9	7.02	19.03	0	
7:00	35.77	11.4	302.2	7.1	26.17	0	
7:01	42.91	11.3	247.3	7.1	33.31	0	
7:02	50.02	11.18	187.7	7.05	40.41	0	
7:03	57.07	11.25	183.2	6.99	47.47	0	
7:04	64.1	11.23	178.6	6.99	54.49	0	
7:05	71.07	10.97	174.	6.96	61.47	0	
7:06	78.03	11.27	174.	6.93	68.43	0	

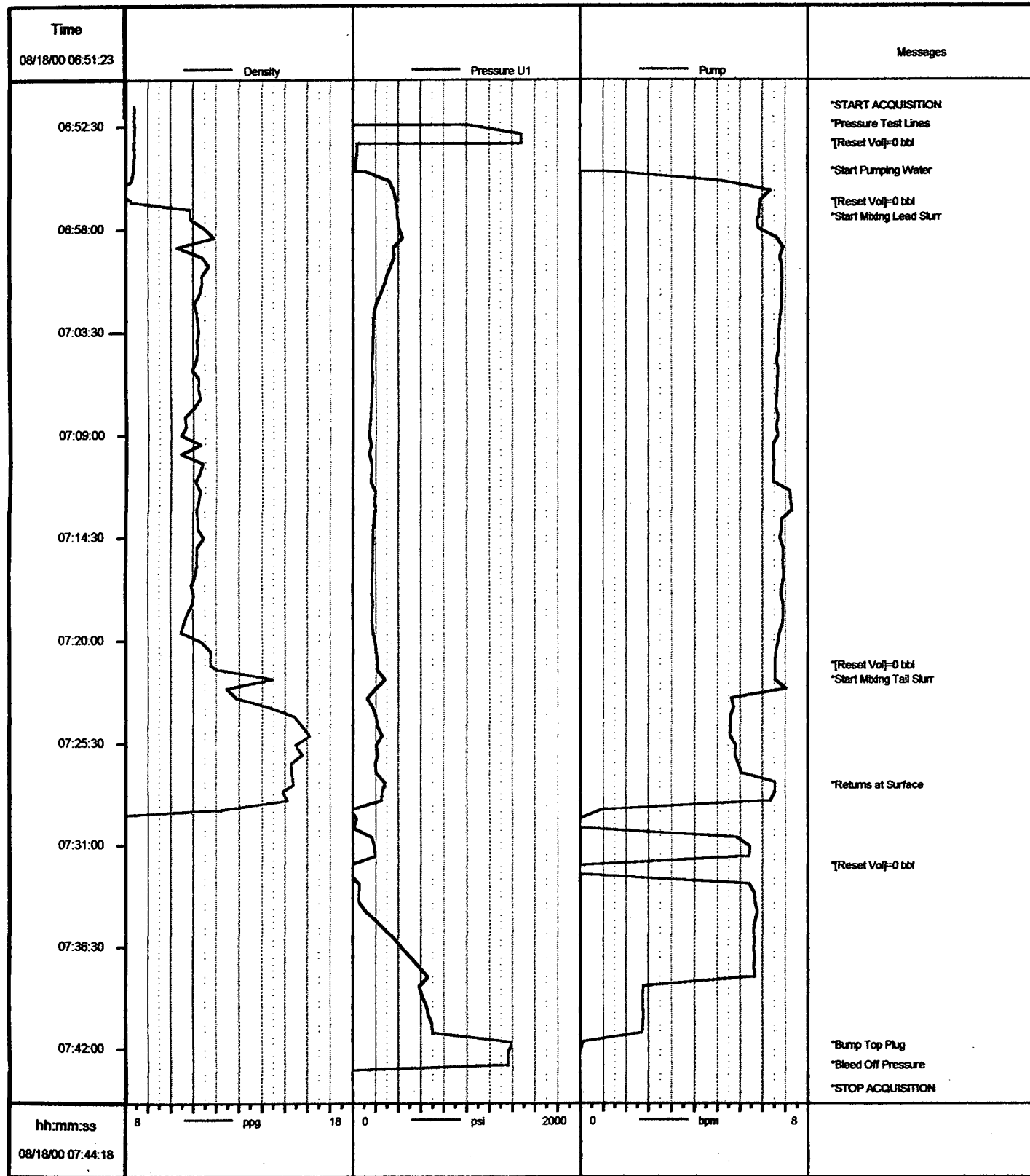
Well			Field			Service Date		Customer		Job Number
HCU #3431-B			BRADSHAW					S DREYFUS NATURAL GAS		20171805
Time	CurVol	Density	Pressure UI	Pump	Reset Vol			Message		
24 hr clock	bbbl	PPG	psi	bpm	bbbl					
7:07	84.97	11.05	164.8	6.88	75.37	0	0			
7:08	91.95	10.7	151.1	6.91	82.35	0	0			
7:09	98.87	11.34	169.4	6.79	89.27	0	0			
7:10	105.7	11.42	174.	6.82	96.07	0	0			
7:11	112.5	11.12	164.8	6.79	102.9	0	0			
7:12	119.7	11.27	201.5	7.41	110.1	0	0			
7:13	126.9	11.22	187.7	7.07	117.3	0	0			
7:14	134.	11.47	183.2	7.02	124.4	0	0			
7:15	141.2	11.17	178.6	7.13	131.6	0	0			
7:16	148.4	11.09	174.	7.16	138.8	0	0			
7:17	155.5	11.05	174.	7.05	145.9	0	0			
7:18	162.6	10.76	174.	7.13	153.	0	0			
7:19	169.7	10.48	178.6	7.02	160.1	0	0			
7:20	176.8	11.77	210.6	6.88	167.2	0	0			
7:21	176.8	11.77	210.6	6.88	167.2	0	0	[Reset Vol]=0 bbl		
7:21	176.8	11.77	210.6	6.88	167.2	0	0	Start Mixing Tail Slurry		
7:21	183.7	12.05	215.2	6.85	1.38	0	0			
7:22	190.7	12.5	206.	7.24	8.33	0	0			
7:23	196.2	14.33	178.6	5.4	13.89	0	0			
7:24	201.7	15.79	219.8	5.28	19.34	0	0			
7:25	207.2	15.47	210.6	5.45	24.81	0	0			
7:26	212.6	15.29	201.5	5.54	30.24	0	0			
7:27	218.8	15.4	288.5	6.85	36.45	0	0			
7:27	218.8	15.4	288.5	6.85	36.45	0	0	Returns at Surface		
7:28	225.7	15.13	256.4	6.68	43.3	0	0			
7:29	228.8	5.	36.63	0.	46.43	0	0			
7:30	231.	5.	174.	5.51	48.67	0	0			
7:31	236.9	5.	201.5	5.93	54.58	0	0			
7:32	236.9	5.	201.5	5.93	54.58	0	0	[Reset Vol]=0 bbl		
7:32	237.3	5.	-18.32	0.	0.	0	0			
7:33	242.6	5.	59.52	6.12	5.25	0	0			
7:34	248.7	5.	123.6	6.24	11.43	0	0			
7:35	254.9	5.	293.	6.1	17.63	0	0			
7:36	261.1	5.	448.7	6.1	23.78	0	0			
7:37	267.2	5.	595.2	6.1	29.92	0	0			
7:38	272.3	5.	586.1	2.24	34.95	0	0			
7:39	274.5	5.	645.6	2.21	37.18	0	0			
7:40	276.7	5.	700.5	2.21	39.42	0	0			
7:41	278.9	5.	1397	0.084	41.56	0	0			
7:41	278.9	5.	1397	0.084	41.56	0	0	Bump Top Plug		
7:42	278.9	5.	1397	0.084	41.56	0	0	Bleed Off Pressure		
7:42	278.9	5.	1369	0.	41.56	0	0			
7:43	278.9	5.	0.	0.	41.56	0	0			

Well HCU #3431-B		Field BRADSHAW			Service Date	Customer S DREYFUS NATURAL GAS	Job Number 20171805
Time 24 hr clock	CanVol bbl	Density PPG	Pressure UI psi	Pump bpm	Reset Vol bbl	Message	
Post Job Summary							
Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Med	Spacer	N2
6	0	0	6.9	218	0	9	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1373	0	200	1100	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 %	279 bbl	40 bbl	75 °F	<input type="checkbox"/> Washed Thru Perfs	To	0 ft	
Customer or Authorized Representative Darrell Toews			Dowell Supervisor Brennon Fica			<input type="checkbox"/> Circulation Lost	<input checked="" type="checkbox"/> Job Completed

Dowell

Well HCU 3431-B
 Field Bradshaw
 Country USA

Client Cheyenne Drilling
 SIR No. 20171805
 Job Date 8/18/2000 6:51:23 AM



Job: kds1805

08/18/2000 07:45:48