

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 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. \_\_\_\_\_  
8/11/00 8/14/00 9/13/00  
Spud Date Date Reached TD Completion Date

API NO. 15 - 075-20723 0000 ORIGINAL  
County Hamilton  
     - NW - SE - SE Sec. 32 Twp. 22S Rge. 41 X E W  
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 # 3221-B  
Field Name Bradshaw  
Producing Formation Chase  
Elevation: Ground 3509' KB 3514'  
Total Depth 2900' PBTB 2849'  
Amount of Surface Pipe Set and Cemented at 317' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 2895'  
feet depth to Surface w/ 550 sx cmt  
Drilling Fluid Management Plan Alt II KGR 7/10/07  
(Data must be collected from the Reserve Pit)  
Chloride content: 44000 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  
SEP 25 2000  
CONSERVATION DIVISION  
Wichita, Kansas

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 complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Lenora Sawyer  
Title: Regulatory Technician Date: 9/22/00  
Subscribed and sworn to before me this 22nd day of September  
Notary Public: Ronnie A. Renfro  
Notary Public, OKLAHOMA COUNTY, OKLAHOMA  
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)

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 3221-B  
 Sec. 32 Twp. 22S Rge. 41  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  
 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#	317'	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#	2895'	Cl "C"	350	3%D79+1/4 pps D79
					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					

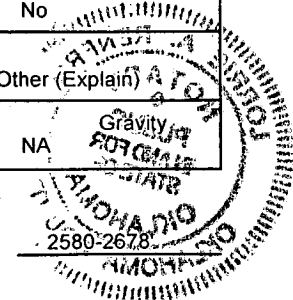
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Materials Used)	Depth
2 spf	2580-92'		Fraced w/1000 gal 50Q 15% HCl acid + 16,000 gal 65Q WF130 + 16,000# 12/20	2580-2678'
1 spf	2628-32'; 2641-45'; 2660-64'		Brady sand + 16,000# 12/20 resin coated sand.	
1 spf	2672-78'			

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-3/8"	2742'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method				
9/9/2000			<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	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio
	NA		50		288		NA

Disposition of Gas: **METHOD OF COMPLETION** Production Interval.

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

(If Vented, submit ACO-18.)



DRILLER'S LOG

SEP 25 2000

LOUIS DREYFUS NATURAL GAS CORP  
HCU 3221 B  
SECTION 32-T22S-R41W  
HAMILTON COUNTY, KANSAS

CONSERVATION DIVISION  
Wichita, Kansas

COMMENCED: 08-11-00  
COMPLETED: 08-13-00

SURFACE CASING: 317' OF 8 5/8" CMTD  
W/50 SKS 65:35 "C" POZ + 2% CC + 6% D-20  
+ 1/4#/SK FLOCELE. TAILED IN W/125 SKS  
CLASS C + 2% CC + 1/4#/SK FLOCELE.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 317
SANDSTONE & RED BED	317 - 1118
RED BED	1118 - 1543
GLORIETTA	1543 - 1812
RED BED	1812 - 2510
LIMESTONE & SHALE	2510 - 2710
CHASE	2710 - 2900 RTD

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

CHEYENNE DRILLING, INC.

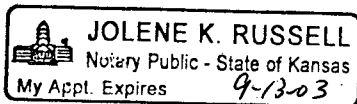
*Wray Valentine*  
WRAY VALENTINE

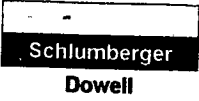
STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 17TH DAY OF AUGUST, 2000.

JOLENE K. RUSSELL

*Jolene K. Russell*  
NOTARY PUBLIC





# Cementing Service Report

ORIGINAL

Customer	CHEYENNE DRILLING	Job Number	20171799
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Well	HCU 3221-B		Location (legal)	32-22S-41W		Dowell Location	Ulysses, KS		Job Start	8/11/00	
Field	BRADSHAW		Formation Name/Type	Surface		Deviation	BH Size	Well MD	Well TVD		
County	HAMILTON		State/Province	KS		BHP	BHST	BHCT	Pore Press. Gradient		
Rig Name	CHEYENNE 8		Drilled For	Gas		Service Via	Land				
Offshore Zone			Well Class	New		Well Type	Development				
Drilling Fluid Type	Bentonite		Max. Density	9 lb/gal		Plastic Viscosity	21 cp				
Service Line	Cementing		Job Type	Cem Surface Casing							
Max. Allowed Tubing Pressure	1000 psi		Max. Allowed Ann. Pressure	0 psi		Wellhead Connection	Single cement head				
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											

Casing/Liner				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
315	8.63	24		
0	0	0		

Tubing/Drill Pipe				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforations/Open Hole				
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	Displacement	Packer Type	Packer Depth	
Casing	16 bbl		0 ft	
Tubing Vol.	Casing Vol.	Annular Vol.	Open Hole Vol	
0 bbl	19 bbl	23 bbl	0 bbl	

Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>				
Lift Pressure:	129 psi				
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>				
No. Centralizers:	3	Top Plugs:	1	Bottom Plugs:	0
Cement Head Type:	Single				
Job Scheduled For:	8/11/00 13:30	Arrived on Location:	8/11/00 13:30	Leave Location:	8/11/00 17:00

Casing Tools		Squeeze Job	
Shoe Type:	Other	Squeeze Type:	
Shoe Depth:	315 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:	273 ft	Sqz Total Vol:	0 bbl

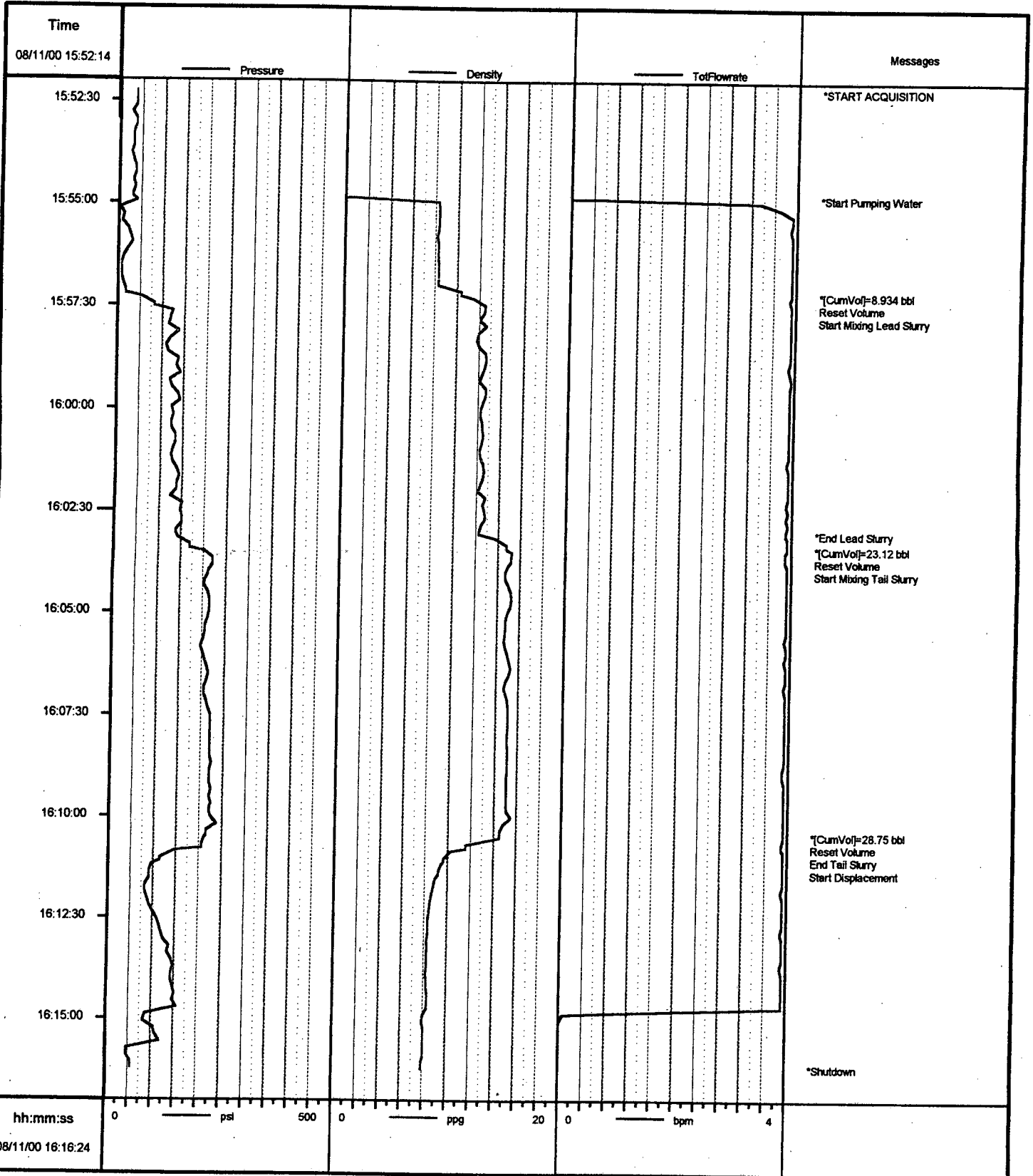
Time	CumVol	Density	Pressure	ToFlowrate	TotVol	Message					
24 hr clock	bbl	ppg	psi	bpm	bbl						
15:52	0	0	0	0	0	0	0	0	0	0	START ACQUISITION
15:52	0.	-0.008	36.63	0.	0.	0	0	0	0	0	
15:52	0.	-0.008	27.47	0.	0.	0	0	0	0	0	
15:53	0.	-0.015	32.05	0.	0.	0	0	0	0	0	
15:53	0.	-5.8	27.47	0.	0.	0	0	0	0	0	
15:54	0.	-0.008	36.63	0.	0.	0	0	0	0	0	
15:54	0.	-0.008	32.05	0.	0.	0	0	0	0	0	
15:54	0.	-0.008	32.05	0.	0.	0	0	0	0	0	
15:55	1.6	8.32	13.74	3.91	1.6	0	0	0	0	0	Start Pumping Water
15:55	3.57	8.15	27.47	3.91	3.57	0	0	0	0	0	
15:56	5.53	8.28	13.74	3.91	5.53	0	0	0	0	0	
15:56	7.5	8.32	9.16	3.91	7.5	0	0	0	0	0	
15:57	7.5	8.32	9.16	3.91	7.5	0	0	0	0	0	
15:57	7.5	8.32	9.16	3.91	7.5	0	0	0	0	0	[CumVol]=8.934 bbl
15:57	0.458	11.52	54.95	3.89	9.46	0	0	0	0	0	Reset Volume
15:57	0.458	11.52	54.95	3.89	9.46	0	0	0	0	0	
15:57	2.42	12.1	119.	3.91	11.42	0	0	0	0	0	Start Mixing Lead Slurry
15:58	4.39	11.81	119.	3.91	13.39	0	0	0	0	0	
15:58	6.35	12.67	137.4	3.91	15.35	0	0	0	0	0	
15:59	8.32	12.1	119.	3.94	17.32	0	0	0	0	0	
15:59	10.28	12.44	141.9	3.91	19.28	0	0	0	0	0	
16:00	12.25	12.39	123.6	3.91	21.25	0	0	0	0	0	

Well		Field				Service Date		Customer		Job Number
HCU #3221-B		BRADSHAW						CHEYENNE DRILLING		20171799
Time	CumVol	Density	Pressure	Testflowrate	TotVol	Message				
24 hr clock	bbl	PPS	psi	bpm	bbl					
16:00	14.21	12.39	132.8	3.91	23.21	0	0			
16:01	16.18	12.55	128.2	3.89	25.18	0	0			
16:01	18.14	12.33	137.4	3.91	27.14	0	0			
16:02	20.11	12.55	151.1	3.89	29.11	0	0			
16:02	22.07	12.44	151.1	3.91	31.07	0	0			
16:03	22.07	12.44	151.1	3.91	31.07	0	0	End Lead Slurry		
16:03	22.07	12.44	151.1	3.91	31.07	0	0	Reset Volume		
16:03	22.07	12.44	151.1	3.91	31.07	0	0	[CumVol]=23.12 bbl		
16:03	0.851	14.75	169.4	3.91	33.04	0	0	Start Mxing Tail Slurry		
16:03	2.81	14.87	219.8	3.91	35.	0	0			
16:04	4.78	14.95	201.5	3.91	36.97	0	0			
16:04	6.74	15.16	215.2	3.91	38.93	0	0			
16:05	8.71	14.74	206.	3.91	40.9	0	0			
16:05	10.67	14.74	196.9	3.91	42.86	0	0			
16:06	12.64	15.24	210.6	3.91	44.83	0	0			
16:06	14.61	14.68	206.	3.89	46.8	0	0			
16:07	16.57	15.08	215.2	3.91	48.76	0	0			
16:07	18.54	15.06	219.8	3.91	50.73	0	0			
16:08	20.5	15.06	219.8	3.91	52.69	0	0			
16:08	22.46	15.07	219.8	3.89	54.65	0	0			
16:09	24.43	15.03	224.4	3.91	56.62	0	0			
16:09	26.39	15.03	219.8	3.91	58.58	0	0			
16:10	28.35	14.5	215.2	3.91	60.54	0	0			
16:10	28.35	14.5	215.2	3.91	60.54	0	0	Reset Volume		
16:10	28.35	14.5	215.2	3.91	60.54	0	0	[CumVol]=28.75 bbl		
16:10	28.35	14.5	215.2	3.91	60.54	0	0	End Tail Slurry		
16:10	28.35	14.5	215.2	3.91	60.54	0	0	Start Displacement		
16:10	1.51	10.2	146.5	3.91	62.52	0	0			
16:11	3.47	9.17	91.58	3.91	64.48	0	0			
16:11	5.44	8.64	82.42	3.89	66.44	0	0			
16:12	7.4	8.39	100.7	3.91	68.41	0	0			
16:12	9.37	8.31	119.	3.89	70.37	0	0			
16:13	11.33	8.24	132.8	3.91	72.34	0	0			
16:13	13.29	8.2	141.9	3.91	74.3	0	0			
16:14	15.26	8.33	151.1	3.91	76.27	0	0			
16:14	17.05	8.01	87.	0.056	78.05	0	0			
16:15	17.05	8.02	109.9	0.	78.05	0	0			
16:15	17.05	8.02	45.79	0.	78.05	0	0			
16:16	17.05	8.02	45.79	0.	78.05	0	0	Shutdown		
16:16	17.05	8.02	45.79	0.	78.05	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	48	10	10	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
232	100	75	0	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 17 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft					
0 %	43 bbl	17 bbl	60 °F						
Customer or Authorized Representative			Dowell Supervisor						
Domaso Castillo			Jeffrey Dutton						
			<input type="checkbox"/> CirculationLost				<input checked="" type="checkbox"/> Job Completed		

ORIGINAL

Well	HCU 3221-C	Client	Cheyenne Drilling
Field	Bradshaw	SIR No.	20171799
Country	USA	Job Date	8/11/2000 3:52:14 PM



Job: dny71799  
08/11/2000 16:19:04

\* Mark of Schlumberger

# Cementing Service Report

ORIGINAL

Customer <b>LOUIS DREYFUS NATURAL GAS CORP</b>	Job Number <b>20171802</b>
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Well <b>HCU 3221-B</b>		Location (legal) <b>32-22s-41w</b>		Dowell Location <b>Ulysses, KS</b>		Job Start <b>8/13/00</b>		
Field <b>BRADSHAW</b>		Formation Name/Type <b>CHASE</b>		Deviation		Bit Size <b>7.88 in</b>	Well MD <b>2,900 ft</b>	
County <b>HAMILTON</b>		State/Province <b>KS</b>		BHP <b>psi</b>	BHST <b>100 °F</b>	BHCT <b>80 °F</b>	Pore Press. Gradient <b>psi/ft</b>	
Rig Name <b>CHEYENNE 8</b>		Drilled For <b>Gas</b>	Service Via <b>Land</b>		Casing/Liner			
Offshore Zone		Well Class <b>New</b>	Well Type <b>Development</b>		Depth, ft <b>2689</b>	Size, in <b>4.5</b>	Weight, lb/ft <b>10.5</b>	Grade <b></b>
Drilling Fluid Type <b>Bentonite</b>		Max. Density <b>9.6 lb/gal</b>	Plastic Viscosity <b>12 cp</b>		Tubing/Drill Pipe			
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>		Depth, ft <b>0</b>	Size, in <b>0</b>	Weight, lb/ft <b>0</b>	Grade <b></b>	
Max. Allowed Tubing Pressure <b>1000 psi</b>	Max. Allowed Ann. Pressure <b>psi</b>	Wellhead Connection <b>4 1/2" HS&amp;M</b>		Perforations/Open Hole				
Service Instructions <b>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</b>		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>		
						Diameter <b>in</b>		
		Treat Down <b>Casing</b>	Displacement <b>45.5 bbl</b>	Packer Type <b>None</b>	Packer Depth <b>ft</b>			
		Tubing Vol. <b>bbl</b>	Casing Vol. <b>46 bbl</b>	Annular Vol. <b>117.7 bbl</b>	Open Hole Vol <b>bbl</b>			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure: <b>792 psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type: <b>Guide</b>		
No. Centralizers: <b>10</b>		Top Plugs: <b>1</b>	Bottom Plugs: <b>0</b>		Shoe Depth: <b>2695 ft</b>		Squeeze Type	
Cement Head Type: <b>Single</b>				Stage Tool Type		Tool Type:		
Job Scheduled For:		Arrived on Location: <b>8/13/00 8:05</b>	Leave Location: <b>8/13/00 20:00</b>		Stage Tool Depth: <b>0 ft</b>		Tool Depth: <b>0 ft</b>	
				Collar Type: <b>Auto-Fill</b>		Tail Pipe Size: <b>0 in</b>		
				Collar Depth: <b>2665 ft</b>		Tail Pipe Depth: <b>0 ft</b>		
						Sqz Total Vol: <b>0 bbl</b>		

Time	CurVol	Density	Pressure U1	Pump	Reset Vol	Message	
24 hr clock	bbl	ppg	psi	bpm	bbl		
18:18	0	0	0	0	0	0	START ACQUISITION
18:18	0.	8.21	0.	0.	0.	0	
18:19	0.	8.21	0.	0.	0.	0	Pressure Test Lines
18:19	0.492	8.21	1969	0.	0.492	0	
18:20	0.492	8.21	1969	0.	0.492	0	[Reset Vol]=0 bbl
18:20	0.492	8.21	1969	0.	0.492	0	Start Pumping Water
18:20	0.492	8.21	18.32	0.	0.	0	
18:21	2.3	8.3	210.6	6.57	1.81	0	
18:22	8.87	8.32	215.2	6.54	8.38	0	
18:23	15.45	9.92	270.1	6.54	14.95	0	
18:24	15.45	9.92	270.1	6.54	14.95	0	Start Mixing Lead Slurry
18:24	22.01	11.17	352.6	6.51	21.52	0	
18:25	28.6	10.97	279.3	6.54	28.11	0	
18:26	35.19	11.17	265.6	6.57	34.7	0	
18:27	41.79	10.96	251.8	6.57	41.3	0	
18:28	48.41	11.2	224.4	6.6	47.92	0	
18:29	55.06	11.26	132.8	6.63	54.57	0	
18:30	61.73	11.25	137.4	6.65	61.24	0	
18:31	68.4	11.05	137.4	6.65	67.91	0	
18:32	68.4	11.05	137.4	6.65	67.91	0	[Reset Vol]=60 bbl
18:32	75.07	11.1	137.4	6.63	62.45	0	
18:34	81.76	11.16	141.9	6.63	69.14	0	

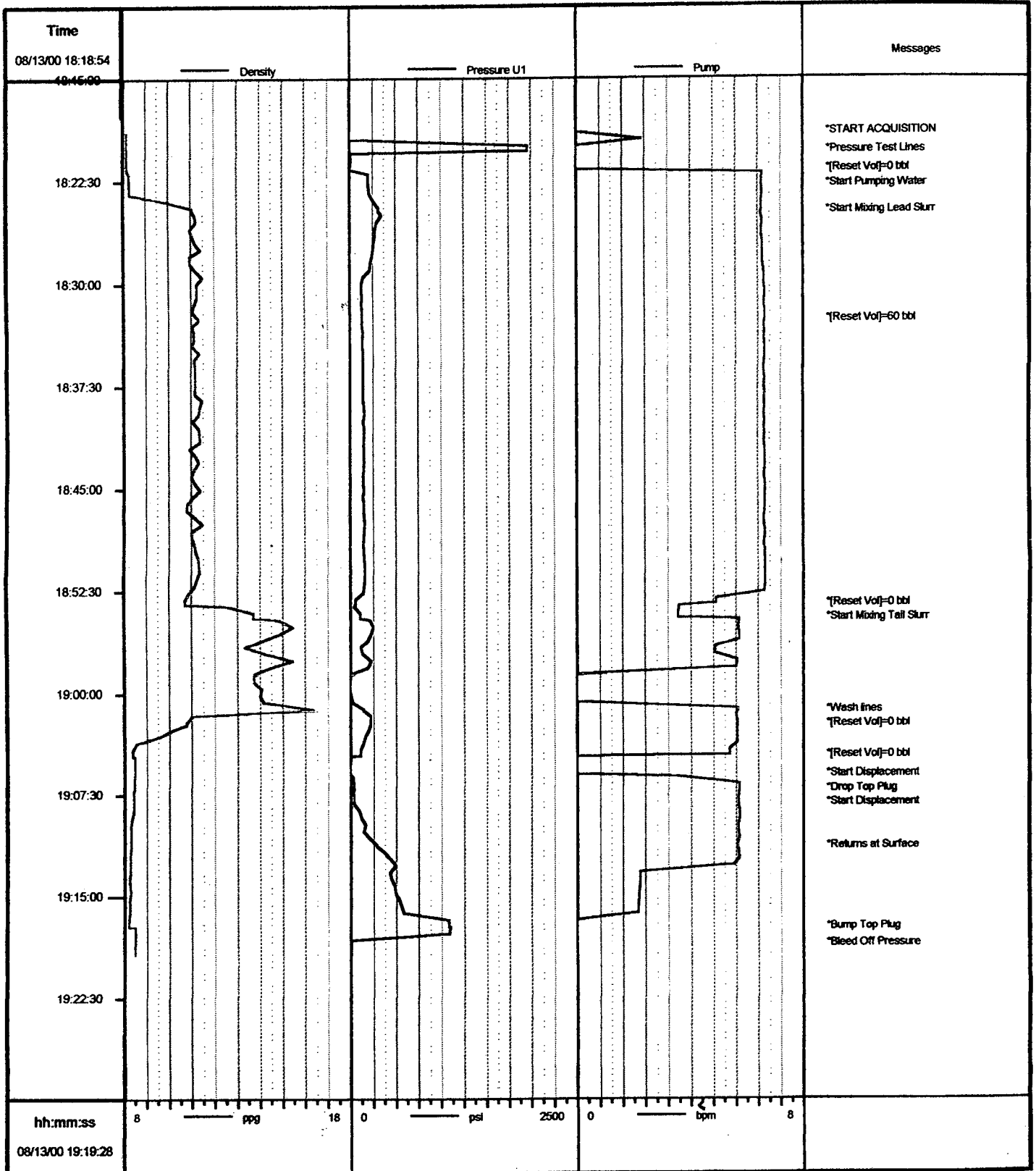
Well		Field				Service Date		Customer	Job Number
HCU #3221-B		BRADSHAW						S DREYFUS NATURAL GAS	20171802
Time	CumVol	Density	Pressure U1	Pump	Reset Vol	Message			
24 hr clock	bbl	ppg	psi	bpm	bbl				
18:35	88.43	11.39	146.5	6.65	75.81	0	0		
18:36	95.11	11.2	146.5	6.63	82.49	0	0		
18:37	101.8	11.2	151.1	6.65	89.17	0	0		
18:38	108.5	11.18	151.1	6.65	95.85	0	0		
18:39	115.2	11.39	160.3	6.65	102.5	0	0		
18:40	121.8	11.07	146.5	6.65	109.2	0	0		
18:41	128.5	11.38	160.3	6.65	115.9	0	0		
18:42	135.2	10.96	155.7	6.65	122.6	0	0		
18:43	141.9	11.33	160.3	6.65	129.3	0	0		
18:44	148.6	11.01	146.5	6.63	135.9	0	0		
18:45	155.2	11.4	155.7	6.65	142.6	0	0		
18:46	161.9	10.82	155.7	6.65	149.3	0	0		
18:47	168.6	11.2	160.3	6.63	156.	0	0		
18:48	175.3	11.04	160.3	6.65	162.7	0	0		
18:49	182.	11.16	151.1	6.63	169.4	0	0		
18:50	188.7	11.32	160.3	6.65	176.	0	0		
18:51	195.3	11.39	164.8	6.65	182.7	0	0		
18:52	202.	11.16	160.3	6.65	189.4	0	0		
18:53	208.6	10.73	59.52	4.92	196.	0	0		
18:53	208.6	10.73	59.52	4.92	196.	0	0	[Reset Vol]=0 bbl	
18:53	208.6	10.73	59.52	4.92	196.	0	0	Start Mixing Tail Slurry	
18:54	212.4	13.74	114.5	3.58	2.35	0	0		
18:55	217.7	15.48	256.4	5.7	7.7	0	0		
18:56	223.5	14.13	192.3	5.73	13.45	0	0		
18:57	228.7	14.27	137.4	4.87	18.64	0	0		
18:58	234.1	14.45	196.9	5.62	24.11	0	0		
18:59	234.5	13.77	0.	0.	24.44	0	0		
19:00	234.5	14.03	9.16	0.	24.44	0	0		
19:01	235.1	16.38	151.1	5.7	25.06	0	0		
19:01	235.1	16.38	151.1	5.7	25.06	0	0	Wash lines	
19:01	235.1	16.38	151.1	5.7	25.06	0	0	[Reset Vol]=0 bbl	
19:02	240.8	10.78	224.4	5.68	4.45	0	0		
19:03	246.5	9.59	169.4	5.68	10.14	0	0		
19:04	252.2	8.4	114.5	5.4	15.85	0	0		
19:04	252.2	8.4	114.5	5.4	15.85	0	0	[Reset Vol]=0 bbl	
19:05	252.2	8.4	114.5	5.4	15.85	0	0	Start Displacement	
19:05	253.1	8.52	-9.16	0.	0.	0	0		
19:06	253.1	8.52	-9.16	0.	0.	0	0	Drop Top Plug	
19:06	253.5	8.49	32.05	3.58	0.342	0	0		
19:06	253.5	8.49	32.05	3.58	0.342	0	0	Start Displacement	
19:07	259.2	8.46	36.63	5.73	6.04	0	0		
19:08	264.9	8.46	45.79	5.7	11.77	0	0		
19:09	270.7	8.36	123.6	5.73	17.51	0	0		
19:10	276.4	8.33	151.1	5.7	23.25	0	0		
19:11	282.1	8.32	293.	5.68	29.	0	0		
19:11	282.1	8.32	293.	5.68	29.	0	0	Returns at Surface	
19:12	287.9	8.31	439.6	5.73	34.73	0	0		
19:13	291.9	8.3	435.	2.21	38.79	0	0		
19:14	294.1	8.29	489.9	2.21	40.99	0	0		



ORIGINAL

Well HCU #3221-B		Field BRADSHAW		Service Date		Customer S DREYFUS NATURAL GAS		Job Number 20171802	
Time 24 hr clock	Card Vol MM	Density PPG	Pressure U1 psi	Pump bpm	Reset Vol bbl			Message	
19:18	299.4	8.52	9.16	0.	46.25	0	0		
19:18	299.4	8.52	9.16	0.	46.25	0	0	End Job	
19:19	299.4	8.52	9.16	0.	46.25	0	0		
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	M2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	M2	
5	0	0	7.3		236	0	10	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density	
1100	0	200	1100	0		0 bbl		0 lb/gal	
Avg. M2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume		15.5 bbl	
0 %	300 bbl		46.2 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 type="checkbox"/> Job Completed			

<b>Well:</b> HCU 3221-B	<b>Client:</b> Louis Dreyfus
<b>Field:</b> Bradshaw	<b>SIR No.:</b> 20171802
<b>Country:</b> USA	<b>Job Date:</b> 8/13/2000 6:18:54 PM



Job: lds1802  
08/13/2000 19:22:01