



Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 1111-C

Sec. 11 Twp. 21S 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
Base Anhydrite	2354'	(+1260)
Winfield	2750'	(+ 864)
Fort Riley	2852'	(+ 762)
TD	2930'	(+ 684)

Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:

Dual Induction Log  
 Compensated Neutron/Density Log

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
Surface	12-1/4"	8-5/8"	24#	310'	35:65 Poz "C"	50	6% gel+2%cc+ 1/4# flocele
					Class "C"	125	2%cc+1/4#flocele
Production	7-7/8"	4-1/2"	10.5#	2928'	35:65 Poz "C"	525	6%gel+0.25 pps D29
					Class "C"	200	2%S1+0.25 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	2751-2770'		1000 gal 50Q 15% HCl acid Spearhead 5000 gal 65Q WF 130 pad	2751-2770'
			11,000 gal 65Q WF 130 + 16000# 12/20 Brady sand + 16,000# Curable Resin	
			Coated Sand 1840 gal 65Q 130 flush	

TUBING RECORD Size 2-3/8" Set At 2783' Packer At NA Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 7/12/01 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil NA Bbls Gas 678 Mcf Water 108 Bbls. Gas-Oil Ratio NA Gravity NA

Disposition of Gas: METHOD OF COMPLETION Production Interval 2751'-2770'

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

# Schlumberger ORIGINAL Cementing Service Report

Customer: LOUIS DREYFUS NATURAL GAS CORP Job Number: 20223721

Well HCU 36-11B		Location (legal)		Dowell Location Ulysses, KS		Job Start 6/19/01		
Field HUGOTON		Formation Name/Type Surface		Deviation 0 °		Bit Size 12.3 in	Well MD 310 ft	Well TVD 310 ft
County		State/Province KS		BHP 0 psi	BHST 70 °F	BHCT 70 °F	Pore Press. Gradient 0 psi/ft	
Rig Name	Drilled For Gas	Service Via Land		Casing/Liner				
Offshore Zone	Well Class New	Well Type Development		Depth, ft 295.97	Size, in 8.63	Weight, lb/ft 24	Grade Thread	
Drilling Fluid Type Premix		Max. Density 9.2 lb/gal	Plastic Viscosity 0 cp	Tubing/Drill Pipe				
Service Line Cementing	Job Type Cem Surface Casing		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade Thread		
Max. Allowed Tubing Pressure 500 psi	Max. Allowed Ann. Pressure 0 psi	Wellhead Connection Single cement head		Perforations/Open Hole				
Service Instructions Safely deliver & perform Surface Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft
				Diameter 0 in				
				Treat Down Casing	Displacement 16.4 bbl	Packer Type None	Packer Depth 0 ft	
				Tubing Vol. 0 bbl	Casing Vol. 18.8 bbl	Annular Vol. 21.7 bbl	Open Hole Vol. 0 bbl	
				Casing/Tools Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>	Casing Tools		
Lift Pressure: 105 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type	
No. Centralizers: 3	Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 295.97 ft		Tool Type:		
Cement Head Type: Single		Stage Tool Type		Tool Depth: 0 ft		Tail Pipe Size: 0 in		
Job Scheduled For: 6/19/01	Arrived on Location: 19:45		Leave Location: 6/19/01 23:30		Stage Tool Depth: 0 ft	Tail Pipe Depth: 0 ft		
Collar Type: Auto-Fill	Collar Depth: 257.47 ft		Sqz Total Vol: 0 bbl					
Time	Cum Vol	Density	Pressure Uf	Rate Promess 63	Reset Vol	Message		
24 hr clock	bbl	ppg	psi	bpm	bbl			
22:07	0	0	0	0	0	START ACQUISITION		
22:07	0.	8.33	0.	0.	0.	Pressure Test Lines		
22:07	0.	8.33	0.	0.	0.			
22:08	0.	8.33	0.	0.	0.			
22:08	0.	8.33	0.	0.	0.			
22:09	0.623	8.33	1250	0.2	0.623			
22:09	0.629	8.33	18.32	0.	0.629			
22:10	0.629	8.33	18.32	0.	0.629	Start Pumping Water		
22:10	0.629	8.33	13.74	0.	0.629			
22:10	2.35	8.31	87.	4.24	2.35			
22:11	4.5	8.33	87.	4.28	4.5			
22:11	6.65	8.32	87.	4.28	6.65			
22:11	6.65	8.32	87.	4.28	6.65	[CumVol]=6.651 bbl		
22:11	6.65	8.32	87.	4.28	6.65	Reset Volume		
22:12	2.03	9.57	132.8	5.23	8.75			
22:12	4.66	11.13	141.9	5.23	11.38			
22:13	7.27	12.44	160.3	4.86	14.			
22:13	9.85	12.32	146.5	4.98	16.57			
22:14	9.85	12.32	146.5	4.98	16.57	[CumVol]=11.31 bbl		
22:14	9.85	12.32	146.5	4.98	16.57	Reset Volume		
22:14	9.85	12.32	146.5	4.98	16.57	Start Mixing Tail Slurry		
22:14	1.05	12.25	201.5	5.	19.18			



ORIGINAL

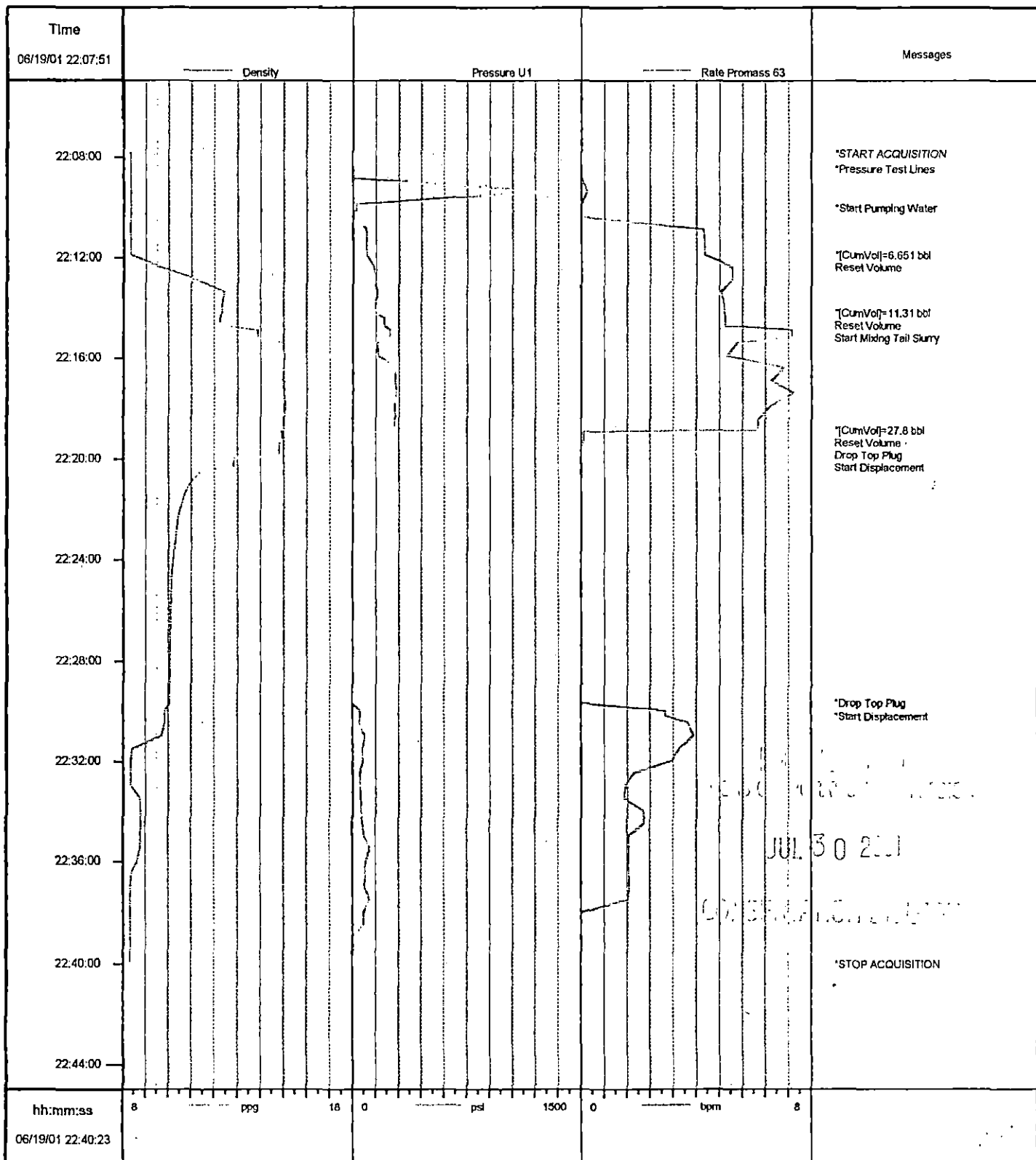
Well HCU #36-41B 111-C		Field HUGOTON		Service Date		Customer S DREYFUS NATURAL GAS		Job Number 20223721	
Time	Cum Vol 24 hr clock bbl	Density ppg	Pressure UI psi	Rate Promiss G3 bpm	Reset Vol bbl	Message			
22:39	17.82	8.33	0.	0.	63.74	0	0		
22:39	17.82	8.33	4.58	0.	63.74	0	0		
22:40	17.82	8.33	0.	0.	63.74	0	0		
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
3	0	0	7	39	0	7	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
280	0	100	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 5 bbl <input type="checkbox"/> Washed Thru Parts To 0 ft					
0 %	38 bbl	17.5 bbl	°F						
Customer or Authorized Representative Darryl Toews			Dowell Supervisor Brennon Fica			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			

JUL 30 2001

Dowell

///-C

Well HCU 36-11b	ORIGINAL	Client Louis Dreyfus
Field		SIR No. 20223721
Country USA		Job Date 6/19/2001 10:07:51 PM



Job: 10513721  
06/19/2001 22:46:04



# Cementing Service Report

ORIGINAL

Customer: LOUIS DREYFUS NATURAL GAS CORP Job Number: 20224259

Well: HCU 1111C		Location (legal): Sec. 11-21S-41W		Dowell Location: Ulysses, KS		Job Start: 6/22/01		
Field: Bradshaw		Formation Name/Type: Chase		Deviation: 0	Bit Size: 7.88 in	Well MD: 2,930 ft	Well TVD: 2,930 ft	
County: Hamilton		State/Province: Kansas		BHP: 0 psi	BHST: 95 °F	BHCT: 85 °F	Pore Press. Gradient: 0 psi/ft	
Rig Name: Murfin Drilling	Drilled For: Gas	Service Via:		Casing/Liner				
Offshore Zone:	Well Class: New	Well Type: Development		Depth, ft: 2928	Size, in: 4.5	Weight, lb/ft: 10.5	Grade:	
Drilling Fluid Type: Bentonite	Max. Density: 9.2 lb/gal	Plastic Viscosity: 33 cp		Tubing/Drill Pipe				
Service Line: Cementing	Job Type: Cem Prod Casing		Depth, ft: 0	Size, in: 0	Weight, lb/ft: 0	Grade:	Thread:	
Max. Allowed Tubing Pressure: 2000 psi	Max. Allowed Ann. Pressure: 0 psi	Wellhead Connection: Single cement head		Perforations/Open Hole				
Service Instructions Safely deliver & perform Longstring Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.				Top, ft: 0	Bottom, ft: 0	spf: 0	No. of Shots: 0	Total Interval: 0 ft
				Diameter: 0 in	Treat Down: Casing	Displacement: 45.8 bbl	Packer Type: None	Packer Depth: 0 ft
				Tubing Vol.: 0 bbl	Casing Vol.: 46.6 bbl	Annular Vol.: 119 bbl	Open Hole Vol.: 0 bbl	
				Casing Tools	Squeeze Job	Shoe Type: Guide	Squeeze Type:	
				Shoe Depth: 2928 ft	Tool Type:	Stage Tool Type: None	Tool Depth: 0 ft	
Lift Pressure: 1933 psi	Pipe Rotated: <input type="checkbox"/>	Pipe Reciprocated: <input checked="" type="checkbox"/>		Stage Tool Depth: 0 ft	Tall Pipe Size: 0 in	Tall Pipe Depth: 0 ft	Sqz Total Vol: 0 bbl	
No. Centralizers: 5	Top Plugs: 1	Bottom Plugs: 0		Collar Type: Auto-Fill	Collar Depth: 2883 ft			
Cement Head Type: Single	Job Scheduled For: 6/22/01 12:30	Arrived on Location: 6/22/01 20:00		Leave Location: 6/22/01 20:00				
Time	Cum Vol E&H	Density	Pressure UI	Rate E&H			Message	
24 hr clock	bbl	ppg	psi	bpm				
17:59	0.	-6.25	-3773	0.	0	0		
17:59	0	0	0	0	0	0	START ACQUISITION	
17:59	0.	-6.25	-3773	0.	0	0	Start Pumping Wash	
18:00	2.53	8.3	174.	5.95	0	0		
18:01	8.45	8.3	169.4	5.85	0	0		
18:02	14.29	8.3	160.3	5.83	0	0		
18:03	20.08	8.31	187.7	5.73	0	0		
18:03	20.08	8.31	187.7	5.73	0	0	Start Pumping Water	
18:04	5.52	8.55	228.9	5.03	0	0		
18:05	5.52	8.55	228.9	5.03	0	0	Start Mixing Lead Slurry	
18:05	10.75	12.55	311.4	6.11	0	0		
18:06	17.	12.71	288.5	6.33	0	0		
18:07	23.53	12.23	155.7	5.67	0	0		
18:08	29.22	12.25	151.1	5.65	0	0		
18:09	35.14	12.44	187.7	6.51	0	0		
18:10	41.6	12.58	192.3	6.35	0	0		
18:11	48.02	12.16	192.3	6.33	0	0		
18:12	54.45	12.46	178.6	6.43	0	0		
18:13	60.9	12.43	178.6	6.43	0	0		
18:14	67.3	12.42	242.7	6.25	0	0		
18:15	73.07	13.69	169.4	4.36	0	0		
18:16	77.45	12.91	206.	4.54	0	0		

JUL 5 2001

Well		HCU #1111C			Field		Bradshaw		Service Date		Customer		Job Number	
											S DREYFUS NATURAL GAS		20224259	
Time clock	CumVol bbl	EAPI	Density ppg	Pressure UI psi	Rata EHI bpm	Message								
18:17	83.63		12.42	178.6	6.45	0			0					
18:18	90.05		12.19	183.2	6.35	0			0					
18:19	96.52		12.14	192.3	6.45	0			0					
18:20	103.		12.34	196.9	6.43	0			0					
18:21	109.5		12.58	192.3	6.43	0			0					
18:22	115.9		12.33	187.7	6.45	0			0					
18:23	122.4		12.19	187.7	6.41	0			0					
18:24	128.9		12.3	192.3	6.45	0			0					
18:25	134.7		12.36	160.3	6.13	0			0					
18:26	140.9		12.32	174.	6.21	0			0					
18:27	147.1		12.19	169.4	6.21	0			0					
18:28	153.3		12.23	174.	6.21	0			0					
18:29	159.6		12.29	178.6	6.17	0			0					
18:30	165.8		12.34	169.4	6.19	0			0					
18:31	172.		12.34	178.6	6.17	0			0					
18:32	178.2		12.34	178.6	6.23	0			0					
18:33	184.4		12.31	183.2	6.19	0			0					
18:34	190.7		12.14	169.4	6.21	0			0					
18:35	190.7		12.14	169.4	6.21	0			0				Start Mixing Tail Slurry	
18:35	196.7		13.54	164.8	5.73	0			0					
18:36	196.7		13.54	164.8	5.73	0			0				[CumVol Proxim.] = 4 bbl	
18:36	202.1		14.3	132.8	4.76	0			0					
18:38	207.9		14.82	242.7	6.07	0			0					
18:39	214.1		15.36	251.8	6.07	0			0					
18:40	220.2		14.74	233.5	6.21	0			0					
18:41	226.7		14.7	247.3	6.41	0			0					
18:42	233.		14.87	242.7	6.31	0			0					
18:43	239.3		14.81	238.1	5.95	0			0					
18:44	243.6		14.48	-4.58	0.	0			0					
18:45	243.6		12.	4.58	0.	0			0					
18:46	4.07		9.	201.5	5.65	0			0					
18:47	10.41		8.7	201.5	7.57	0			0					
18:48	15.42		8.38	-13.74	0.	0			0					
18:49	0.		8.39	0.	0.	0			0					
18:50	0.		8.39	-9.16	0.	0			0					
18:51	4.04		8.42	64.1	4.82	0			0					
18:52	9.13		8.41	64.1	5.03	0			0					
18:53	13.82		8.44	123.6	4.52	0			0					
18:54	18.27		8.44	210.6	4.5	0			0					
18:55	22.61		8.43	329.7	4.48	0			0					
18:56	27.34		8.44	421.2	4.66	0			0					
18:57	31.94		8.46	540.3	4.54	0			0					
18:58	36.42		8.39	636.4	4.38	0			0					
18:59	40.77		8.37	728.	4.28	0			0					
19:00	42.65		8.37	691.4	1.92	0			0					
19:01	44.54		8.37	677.7	1.86	0			0					
19:02	46.39		8.36	824.2	1.82	0			0					
19:03	47.04		8.34	631.9	0.	0			0					
19:04	47.72		8.33	1168	0.	0			0				Bump Top Plug	
19:04	47.72		8.33	1168	0.	0			0					
19:05	47.72		8.33	-9.16	0.	0			0					

ORIGINAL

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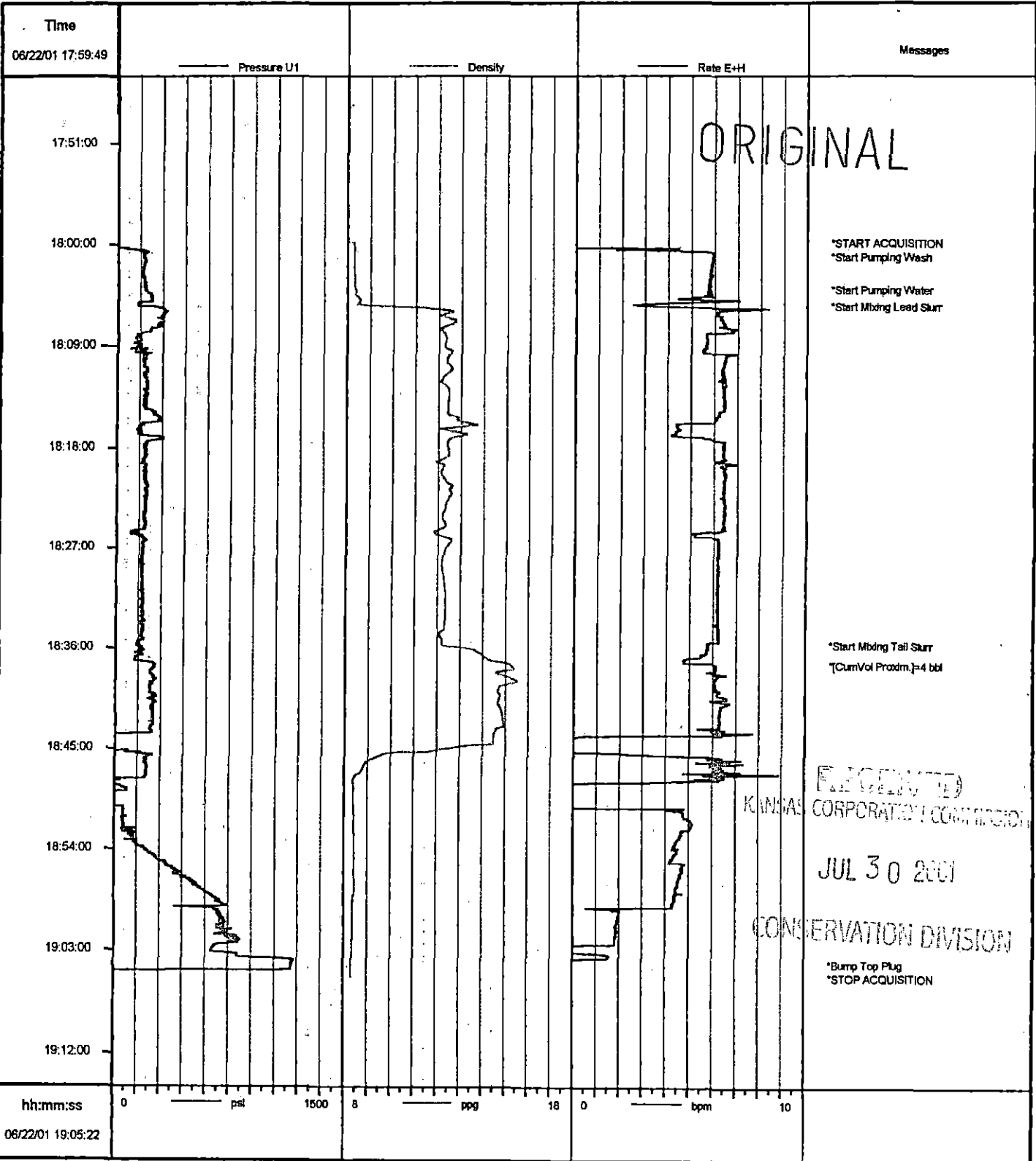


Well HCU #1111C		Field Bradshaw			Service Date	Customer S DREYFUS NATURAL GAS	Job Number 20224259
Time 24 hr clock	CumVol bbl	EBH ppg	Density psi	Pressure U1 psi	Rate E+H bpm	Message	
<b>Post Job Summary</b>							
Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5	0	0	6	243	0	20	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
800	800	300	1200	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 20 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft			
0 %	243 bbl	45.5 bbl	70 °F				
Customer or Authorized Representative Darryl Toews			Dowell Supervisor David Brawley			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	

ORIGINAL

RECORDED  
INDEXED  
JUL 30 2001  
COMPTON

Well	HCU 1111C	Client	Louis Dreyfus Natural Ga
Field	Bradshaw	SIR No.	20224259
Country	USA	Job Date	6/22/2001 5:59:49 PM



Job: 1024259

06/22/2001 22:46:58