

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

CONFIDENTIAL

Operator: License # 31321

Name: Louis Dreyfus Natural Gas Corp.

Address 14000 Quail Springs Parkway
Suite 600

City/State/Zip Oklahoma City, OK 73134

Purchaser: KN Gas Marketing

Operator Contact Person: Terrye Bryant

Phone (405) 749-5287

Contractor Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: N/A

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: NOV 11 1998

Well Name: CONFIDENTIAL

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

7/15/98 7/17/98 9/10/98
Spud Date Date Reached TD Completion Date

API NO. 15- 15-075-206780000

County Hamilton

 - C - NW Sec. 24 Twp. 22S Rge. 42 X W

1320 Feet from S (circle one) Line of Section

1320 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name HCU Well # 2422-C

Field Name Bradshaw

Producing Formation Chase Group

Elevation: Ground 3546' KB 3551'

Total Depth 2850' PBDT 2782'

Amount of Surface Pipe Set and Cemented at 320 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from 2838'

feet depth to surface w/ 535 sx cmt.

Drilling Fluid Management Plan AH-2, 2-25-99 etc.
(Data must be collected from the Reserve Pit)

Chloride content 82,000 ppm Fluid volume 800 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name RECEIVED
KANSAS CORPORATION COMMISSION

Lease Name License No.

Quarter NOV Sec. 12 1998 Twp. S Rng. E/W

County Docket No.

CONSERVATION DIVISION

WICHITA, KS

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 CP-4 form with all plugged wells. Submit CP-111 form 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 Terrye Bryant
Title Regulatory Technician Date 11/11/98

Subscribed before me this 11th day of November, 1998

Notary Public Terrye Jackson
Date Commission Expires 11-28-01
NOTARY PUBLIC
TERRY E JACKSON
OKLAHOMA COUNTY
STATE OF OKLAHOMA

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

SIDE TWO

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HGU Well # 2422-C

Sec. 24 Twp. 22S Rge. 42 East West County Hamilton

CONFIDENTIAL

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 (Attach Additional Sheets.) Yes No Log Formation (Top), Depth and Datums Sample

Samples Sent to Geological Survey Yes No Name Top Datum

Cores Taken Yes No See attachments

Electric Log Run Yes No (Submit Copy.)

List All E.Logs Run: Micro-Resistivity, Array Induction, Comp. Neutron Comp. Photo-Density

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"	J-55, 24#	320'	Class C	205	2% CC, 1/4# CF
Production	7 7/8"	4 1/2"	J-55, 10.5#	2838'	Class C	Lead 325	3% D79, .2% D46 .25# D29
						Tail 210	2% CC, 1/4# CF

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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 Material Used)	Depth
1	2688'-2697'	Acidize w/1000 gal. 7:1 1/2% HCL	
1	2625'-2630', 2640'-2646, 2659'-2664	w/CLA-STA & 30 ball sealers. Frac w/21,800 gal. WF 130 and 49,000# 12/20 Ottawa SD.	
2	2576'-2592'	Frac w/13,675 gal. WF 130 and 32,000# 12/20 Ottawa SD.	

TUBING RECORD Size 2 3/8" Set At 2642' Packer At N/A Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. 9/17/98 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil -0- Bbls. Gas 20 Mcf Water 187 Bbls. Gas-Oil Ratio N/A Gravity

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

Production Interval: 2688'-97'; 2625'-30'; 2640'-46'; 2659'-64'; 2576'-92'

DRILLERS LOG

ORIGINAL

LOUIS DREYFUS NATIONAL GAS CORP
HCU 2422-C
SECTION 24-T22S-R42W
HAMILTON COUNTY, KANSAS

COMMENCED: 07-14-98
COMPLETED: 07-17-98

SURFACE CASING: 320' OF 8 5/8" CMTD
W/205 SKS CLASS C + 2% CC + 1/4 #/SK
FLOCELE.

CONFIDENTIAL

FORMATION

DEPTH

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KANSAS CORPORATION COMMISSION

SURFACE HOLE
RED BED
RED BED & ANHYDRITE
WATONGA

NOV 12 1998

CONSERVATION DIVISION
WICHITA, KS

0 - 320
320 - 2115
2115 - 2605
2605 - 2850 RTD

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

KCC
NOV 11 1998
CONFIDENTIAL

CHEYENNE DRILLING, INC.

Wray Valentine
WRAY VALENTINE

RELEASED

MAY 06 2000

FROM CONFIDENTIAL

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 21ST DAY OF JULY, 1998.

JOLENE K. RUSSELL

Jolene K Russell
NOTARY PUBLIC



15-075-20678-0000

Well		Field		Service Date		Customer		Job Number	
HCU #24-22C		CONFIDENTIAL				IIS DREYFUS NATURAL GA		20069741	
Time	CumVol	Density	Pressure	Total Flowrate	Total Vol	Message			
24 hr clock	bbl	ppg	psi	bpm	bbl				
12:41	0	0	0	0	0	Drop Top Plug			
12:41	0	0	0	0	0	Start Displacement			
12:41	0	0	0	0	0	(CumVol)=65.15 bbl			
12:41	0	0	0	0	0	Reset Volume			
12:41	0	0	0	0	0	PAUSE ACQUISITION			
12:43	0	12.79	-6.098	0	81.1				
12:43	0	0	0	0	0	RESTART AFTER PAUSE			
12:44	1.057	12.65	-23.01	0	82.14				
12:45	1.057	12.55	-5.424	0	82.14				
12:46	1.057	12.43	-4.525	0	82.14				
12:47	1.057	12.29	-4.525	0	82.14	KGC			
12:48	1.979	12.23	26.88	4.099	83.06	NOV 11 1998			
12:49	4.775	12.24	-14.32	2.662	85.86	CONFIDENTIAL			
12:50	7.454	12.09	3.928	2.659	88.54				
12:51	10.12	12.03	21.18	2.648	91.21	Lower Pump Rate			
12:52	0	0	0	0	0				
12:52	12.26	11.93	18.86	1.646	93.35				
12:53	13.91	11.8	25.89	1.631	95				
12:54	15.56	11.77	37.87	1.63	96.64				
12:55	17.18	11.71	44.06	1.602	98.27	RELEASED			
12:56	18.25	11.69	28.73	0	99.33	JULY 06 2000			
12:57	18.25	11.63	6.333	0	99.33				
12:58	0	0	0	0	0	Shutdown			
12:58	18.25	11.57	1.774	0	99.33				
12:58	0	0	0	0	0	End Job FROM CONFIDENTIAL			
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
2	0	0	6	49	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
130	100	100	100	0		0 bbl	0 lb/gal		
Avg. N2 Percent		Designed Slurry Volume		Displacement	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 20 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft				
0 %		0 bbl		17.5 bbl					
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Mike Noey				Jeffrey Dutton					

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NOV 12 1998

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Cementing Service Report



CONFIDENTIAL

Customer	Job Number
LOUIS DREYFUS NATURAL GAS CO.	20070060

Well	HCU 24-22C		Location (legal)	Sec 24-22s-42w		Dowell Location	Ulysses, KS		Job Start	7/17/98	
Field	BRADSHAW		Formation Name/Type	Dolomite		Deviation	0		Bit Size	0 in	
County	Hamilton		State/Province	KS		BHP	0 psi		BHST	90 °F	
						BHCT	80 °F		Pore Press. Gradient	0 psi/ft	
Rig Name	'ENNE WELL SERV		Drilled For	Gas		Service Via	Land		Casing/Liner		
Offshore Zone			Well Class	New		Well Type	Development		Depth, ft	Size, in	Weight, lb/ft
Drilling Fluid Type	Bentonite		Max. Density	9.2 lb/gal		Plastic Viscosity	0 cp		Grade	Thread	
									2836	4.5	10.5
Service Line	Cementing		Job Type	Cem Prod Casing					0	0	0
									0	0	0
Max. Allowed Tubing Pressure	2000 psi		Max. Allowed Ann. Pressure	2000 psi		Well Head Connection	Single cement head		Perforations/Open Hole		
									Top, ft	Bottom, ft	spf
Service Instructions	KANSAS CORPORATION COMMISSION		Safely cement 4 1/2 production casing as requested by customer.		Mileage: 66		NOV 12 1998		No. of Shots	Total Interval	
									0	0 ft	
									0	Diameter	
									0	0 in	
									Treat Down	Displacement	Packer Type
									Casing	44 bbl	
									Packer Depth	0 ft	
									Tubing Vol.	Casing Vol.	Annular Vol.
									0 bbl	45.5 bbl	74 bbl
									Open Hole Vol	0 bbl	
Casing/Tubing Secured	<input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing	<input type="checkbox"/>		Casing Tools			Squeeze Job		
Lift Pressure:	510 psi		Pipe Rotated	<input type="checkbox"/>		Pipe Reciprocated	<input checked="" type="checkbox"/>		Shoe Type:	Guide	
									Squeeze Type		
No. Centralizers:	5		Top Plugs:	1		Bottom Plugs:	0		Shoe Depth:	2843 ft	
									Tool Type:		
Cement Head Type:	Single		Job Scheduled For:			Arrived on Location:			Stage Tool Type	Tool Depth:	
			7/17/98 12:00			7/17/98 12:00			Stage Tool Depth:	0 ft	
									Tail Pipe Size:	0 in	
									Tail Pipe Depth:	0 ft	
									Collar Type:	Auto-Fill	
									Collar Depth:	2798 ft	
									Sqz Total Vol:	0 bbl	
Time	CumVol	Density	Pressure	Flow Rate	TotVol	Message					
16:32	0	0	0	0	0	START ACQUISITION					
16:32	0	5	-3507	0	0	KCC					
16:33	0	0	0	0	0	Pressure Test Lines					
16:33	.4163	8.409	372.4	0	.4163	NOV 11 1998					
16:34	0	0	0	0	0	Start Pumping Wash					
16:35	7.445	8.385	211.2	6.086	7.445	CONFIDENTIAL					
16:36	0	0	0	0	0	End Wash					
16:36	0	0	0	0	0	(CumVol)=12.34 bbl					
16:36	0	0	0	0	0	Reset Volume					
16:36	0	0	0	0	0	Start Pumping Water					
16:36	4.17	8.336	244.9	6.017	16.61						
16:38	13.29	8.277	308.6	6.052	25.73	RELEASED					
16:39	22.36	8.726	369.9	5.948	34.8						
16:40	0	0	0	0	0	(CumVol)=22.95 bbl					
16:40	0	0	0	0	0	Reset Volume					
16:40	0	0	0	0	0	Start Mixing Lead Slurry					
16:41	8.334	9.739	312.2	6.102	43.83	FROM CONFIDENTIAL					
16:42	17.54	10.35	232.3	6.134	53.04						
16:44	26.79	10.74	143.8	6.118	62.29						
16:45	36.02	10.97	144.2	6.101	71.52						
16:47	45.26	11.05	141.4	6.092	80.76						
16:48	54.47	11.17	149.6	6.088	89.97						

Well	Field					Service Date	Customer	Job Number
HCU #24-22C	BRADSHAW						IIS DREYFUS NATURAL GA	20070060
Time	CumVol	Density	Pressure	TotFlowrate	TotVol	Message		
24-hr clock	bbl	PPG	psi	bpm	bbl			
16:50	63.69	11.29	150.9	6.127	99.18	0	0	
16:52	72.89	11.32	141.4	6.145	108.4	0	0	
16:53	82.1	11.27	142.6	6.144	117.6	0	0	
16:55	91.3	11.07	150.3	6.114	126.8	0	0	
16:56	100.5	11.12	149	6.13	136	0	0	RECEIVED
16:58	109.7	11.17	150.2	6.109	145.2	0	0	KANSAS CORPORATION COMMISSION
16:59	118.9	11.18	150.8	6.088	154.4	0	0	
17:01	128.1	11.27	147.3	6.066	163.6	0	0	NOV 12 1998
17:02	137.3	11.22	144.6	6.094	172.8	0	0	
17:04	146.5	11.22	150.7	6.076	182	0	0	
17:05	155.7	11.25	152.4	6.076	191.2	0	0	CONSERVATION DIVISION WICHITA KS
17:07	164.9	11.61	149.6	6.36	200.4	0	0	
17:08	0	0	0	0	0	0	0	(CumVol)=171.6 bbl
17:08	0	0	0	0	0	0	0	Reset Volume
17:08	0	0	0	0	0	0	0	Start Mixing Tail Slurry
17:08	1.12	12.5	202.4	6.096	208.3	0	0	
17:10	10.28	13.31	232.8	6.064	217.5	0	0	
17:11	19.41	14.01	248.7	6.043	226.6	0	0	
17:13	28.56	14.45	228.6	6.081	235.8	0	0	
17:14	0	0	0	0	0	0	0	Reset Volume
17:14	0	0	0	0	0	0	0	(CumVol)=36.2 bbl
17:14	0	0	0	0	0	0	0	Drop Top Plug
17:14	0	14.34	6.576	0	243.4	0	0	
17:14	0	0	0	0	0	0	0	Start Displacement
17:14	0	0	0	0	0	0	0	PAUSE ACQUISITION
17:17	0	0	0	0	0	0	0	RESTART AFTER PAUSE
17:17	0	11.36	2.727	0	243.4	0	0	
17:19	5.783	10.6	72.56	6.095	249.2	0	0	
17:20	14.97	10.16	106.1	6.12	258.4	0	0	
17:22	24.13	9.892	311.5	6.027	267.6	0	0	
17:23	0	0	0	0	0	0	0	Returns at Surface
17:23	33.2	9.69	570.2	5.994	276.6	0	0	
17:24	0	0	0	0	0	0	0	Lower Pump Rate
17:25	37.93	9.64	534	2.077	281.4	0	0	
17:26	40.93	9.789	594.4	1.903	284.4	0	0	
17:28	43.71	9.91	657.6	1.845	287.1	0	0	
17:28	0	0	0	0	0	0	0	Bump Top Plug
17:29	44.64	9.99	17.67	0	288.1	0	0	
17:30	0	0	0	0	0	0	0	Shutdown
17:30	0	0	0	0	0	0	0	End Job

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KANSAS CORPORATION COMMISSION

NOV 12 1998

CONSERVATION DIVISION
WICHITA KS

(CumVol)=171.6 bbl
Reset Volume
Start Mixing Tail Slurry

Reset Volume
(CumVol)=36.2 bbl
Drop Top Plug

Start Displacement
PAUSE ACQUISITION
RESTART AFTER PAUSE

KCC

NOV 11 1998

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Returns at Surface

Lower Pump Rate

RELEASED

MAY 06 2000

Shutdown FROM CONFIDENTIAL
End Job

Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
6	0	0	6	233	0	20	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
1050	1050	1050	1050	0		0 bbl	0 lb/gal		
Avg. N2 Percent		Designed Slurry Volume		Displacement	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 18 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft				
0 %		0 bbl		44.5 bbl					
Customer or Authorized Representative				Dowell Supervisor					
Melvin Noey				Jeffrey Dutton					
				<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed			

NEWPARK DRILLING FLUIDS, INC.
 5909 N.W. EXPRESSWAY, SUITE 204
 OKLAHOMA CITY, OK 73132

CONFIDENTIAL
 DRILLING FLUIDS SUMMARY

ORIGINAL

Operator	Lease Name	Well #	Field or District	County	State	Legal	Spud Date	ID Date	Total Days
Louis Dreyfus	HCU 24 - 22 C			Hamilton	Kansas	Sec. 24-22S-42W	15-Jul-98	17-Jul-98	3
Contractor	Rig #	Drill Pipe String	No.	Mfg.	Pumps	Liner	Stroke Length	SPM	GPM
Cheyenne	8		1	Enisco	D-375	5 1/2	14	64	304
Engineer	DP Size	4 1/2	Type	XH	2	Casing	Last	or	
Rich Steinbrink	DC Size	6 1/4	length	632	3	Liner			

Date	Depth Feet	Wgt (lb/gal)	Viscosity		YP	Inst	Gels 10 min	pH	Filtration		Filtrate Analysis			Solid Analysis		Type Solids		Daily Cost	Cumulative Cost			
			sec/dt	AV					CC 30min	Cake 32nd	Alk PF	Alk MF	Cl PPM	CA PPM	Sand	Total Solids	Oil			Water	LCH lb/bbl	
16-Jul-98	2350	8.8	40	21	16	10	3	9	-	9.2	2	-	-	9000	250	25	3.5	-	96.25	3	\$1,655	\$2,518
- .15 PM - @ T.D. dric. hole clean. TOH for logs.																						
17-Jul-98	2850	-	-	-	-	-	-	-	-	-	-	-	-	82000	-	-	-	-	-	-	\$503	\$3,021
Reserve Pt																						

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CONSERVATION DIVISION
 WICHITA, KS

RELEASED

MAY 06 2000

FROM CONFIDENTIAL

15-075-20678-0000

GEOLOGICAL WELL REPORT

Well: LDNG
 HCU 2422-C
 1320' FNL & 1320' FWL
 Sec. 24-22S-42W
 Hamilton County, KS

Date: July 20, 1998
 Geologist: Sam Roark

CONFIDENTIAL

Total Depth: Driller - 2850' BPB - 2852'

Elevations: GL = 3546' DF = 3550' KB = 3551'

Logs Run: Dual Induction/GR
 Compensated Neutron Photo-Density/GR
 Microlog

KCC

NOV 11 1998

CONFIDENTIAL

Date Logged: 7/17/98

FORMATION TOPS	DEPTH	SUBSEA	RELATIVE TO HCU 2522-B
Stone Corral	2082'	+1469'	10' high
Krider	2529'	+1022'	23' high
Winfield	2570'	+981'	20' high
Towanda	2615'	+936'	25' high
Ft. Riley	2674'	+877'	19' high
E-log TD	2852'	+699'	

RELEASED

MAY 06 2000

FROM: CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

NOV 12 1998

CONSERVATION DIVISION
WICHITA, KS

Distribution: Well File
 Nancy Wilcox
 Teri Freeland

Neil Hightower
 Robert Blevins
 Terrye Bryant