

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 - 075-20708 - 0000  
County Hamilton  
- - C - NW Sec. 29 Twp. 21S Rge. 41 X E W

3960' Feet from S / N (circle one) Line of Section  
3960' 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 # 2911-B

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3678' KB \_\_\_\_\_

Total Depth 2950' PBDT 2905'

Amount of Surface Pipe Set and Cemented at 303' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 303 710-711

feet depth to Surface w/ 475 250 sx cmc

Drilling Fluid Management Plan Alt 2, 2-25-00 U.O.  
(Data must be collected from the Reserve Pit)

Chloride content 2000 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. \_\_\_\_\_

Operator: License # 31321

Name: Louis Dreyfus Natural Gas Corp.

Address: Suite 600

14000 Quail Springs Parkway

City/State/Zip Oklahoma City, OK 73134

Purchaser: KN

Operator Contact Person: Lenora Sawyer

Phone (405) 748-2725

Contractor: Name Cheyenne Drilling, Inc.

License: 5382

Wellsite Geologist: NA

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Abd.

X 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 \_\_\_\_\_ PBDT

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

10/19/99 10/22/99 1/31/2000

Spud Date Date Reached TD Completion Date

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.

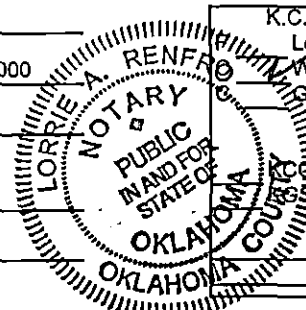
Signature Lenora Sawyer

Title Regulatory Technician Date 1/31/2000

Subscribed and sworn to before me this 31st day of January 2000

Notary Public Lorrie A. Renfro

Date Commission Expires 9-01-01



K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Geologist Report Received  
Distribution  
SWD/Rep \_\_\_\_\_ NGPA  
Plug \_\_\_\_\_ Other  
(Specify)

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 2911-B

Sec. 29 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.)

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

Name	Top	Datum
Stone Coral	2350'	+1333'
Krider	2722'	+ 961'
Winfield	2758'	+ 925'
Towanda	2806'	+ 877'
Ft. Riley	2858'	+ 825'
E-log TD	2938'	

List All E.Logs Run:  
 Gamma Ray / Cement Bond Log  
 Micro Resistivity Log  
 Compensated Neutron Compensate Photo-Density Log  
 Array Induction Shallow Focused Electric 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"	23#	303'	Cl "C"	175	2% CaCl2 + 1/4#/sk cell flakes
Production	7-7/8"	4-1/2"	10.5#	2951'	Poz 35:65 Cl "C"	280 150	6% gel, 2% CaCl2 1/4# cell flakes 2% CaCl2

REMARKS: Initial CBL showed TOC @ 1050'. Consulted with Dodge City KCC (Steve Durrant) on 1/10/2000 & he advised Louis Dreyfus could perf @ 850' & circ cement to surface. Two remedial squeeze jobs were witnessed by Kevin Strube, KCC Field Inspector 1/11 & 1/15/2000.

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth Top	Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input checked="" type="checkbox"/> Protect Usable Wtr.						
<input type="checkbox"/> Perforate			40/60 Poz	200	6% gel + 3% cc	Added 1-2# hulls @ 22-1/2 BPM w/100 sx mixed shut down. Ran CBL. Cmt. @ 858', top @ 760'. Perf @ 710-11' Good circ thru-out job. Circ 20 bbls to pit.
<input type="checkbox"/> Protect Casing	840	841	Cl "C"	75	2% cc	
<input type="checkbox"/> Plug Back TD			40/60 Poz	175	6% gel + 3% cc	
<input type="checkbox"/> Plug Off Zone	710	711	Cl "C"	75	2% cc	

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 Materials Used)	Depth
2762-2780'	4 spf (72 holes)	Acidize w/500 gal 7-1/2% HCl Frac w/19000 gal 70Q N2 +31390# 16/30 Ottawa sd.	2762-2780'

**TUBING RECORD** Size 2-3/8" Set At 2780' Packer At NA Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil NA Bbls Gas 157 Mcf Water 66 Bbls. Gas-Oil Ratio NA Gravity NA

Disposition of Gas: \_\_\_\_\_ METHOD OF COMPLETION \_\_\_\_\_ Production Interval \_\_\_\_\_

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 2762-80'  
 (If Vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

## DRILLER'S LOG

LOUIS DREYFUS NATURAL GAS COPR  
 HCU 2911 B  
 SECTION 29-T21S-R41W  
 HAMILTON COUNTY, KANSAS

COMMENCED: 10-19-99  
 COMPLETED: 10-21-99

SURFACE CASING: 303' OF 8 5/8" CMTD  
 W/175 SKS CLASS C + 2% CC + 1/4#/SK  
 FLOCELE.

## FORMATION

## DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 303
SANDSTONE & CLAY	303 - 1155
RED BED	1155 - 1790
GLORIETTA	1790 - 2045
RED BED	2045 - 2900
CHASE	2900 - 2950 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

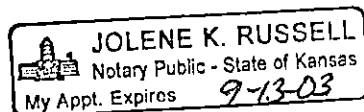
STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 22ND DAY OF OCTOBER, 1999.

JOLENE K. RUSSELL

*Jolene K. Russell*

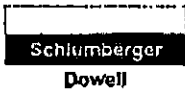
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 Wichita, Kansas



**Service Order**

18-Oct-99

Customer <b>LOUIS DREYFUS NATURAL GAS CO</b>		Person Taking Call <b>Dave Brawley</b>		Dewell Location <b>Ulysses, KS</b>		Order Date <b>10/04/1999</b>		Job Number <b>20127110</b>	
Well Name and Number <b>HCU 29-11B</b>			Legal Location <b>Sec. 29-21S-41W</b>		Field <b>Bradshaw</b>		County <b>Hamilton</b>		State/Province <b>Kansas</b>
Rig Name		Well Age <b>New</b>		Sales Engineer <b>Stephen Cole</b>			Job Type <b>Cem Surface Casing</b>		
Time Well Ready:		Deviation <b>0</b>	Bit Size <b>12.3 in</b>	Well MD <b>300 ft</b>	Well TVD <b>300 ft</b>	BHP <b>0 psi</b>	BNET <b>75 °F</b>	BNET <b>70 °F</b>	
Treat Down <b>Casing</b>	Packer Type <b>None</b>	Packer Depth <b>0 ft</b>	Wellhead Connection <b>Single cement head</b>		HHP on Location <b>0</b>	Max Allowed Pressure <b>500</b>		Max Allowed Ann Pressure <b>0</b>	
<b>Casing</b>					<b>Services Instructions:</b>				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
300	8.63	24							
<b>Tubing</b>					<b>Extra Equipment:</b> 8 5/8 Head, Manifold, & Swage. 8 5/8 Top WOODEN Plug				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
<b>Perforated Intervals</b>									
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					

Contact	Voice	Mobile	FAX	Notes
Darrell Swisher	405-375-6065	405-203-4938		

**Notes:**

**Directions:**  
Syracuse, KS 14 north on Hwy 27, 4 1/2 west, north into.

**Other Notes:**

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Comments:

Fluid Systems:

Cement			
175 sks Class C			
Density:	14.8 lb/gal	Thickening time:	3 hrs
Yield:	1.34 ft <sup>3</sup> /sk	Viscosity:	cp
H2O Mix:	6.29 gal/sk	Break Time:	
H2O:	1100.75 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/Amount	Total Quantity	
D029	0.25 lbs/sk	43.75	
S001	2 % BWOB	329	
D903	94 lbs/sk	16450	

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# Service Order

21-Oct-99

<b>Customer</b> LOUIS DREYFUS NATURAL GAS CO		<b>Person Taking Call</b> Stephen Cole		<b>Dowell Location</b> Ulysses, KS		<b>Order Date</b> 10/04/1999		<b>Job Number</b> 20127002	
<b>Well Name and Number</b> HCU 29-11 B			<b>Legal Location</b> SEC 29-21S-41W		<b>Field</b> Bradshaw		<b>County</b> Hamilton		<b>State/Province</b> KS
<b>Rig Name</b> CHEYENNE Drilling Rig #3			<b>Well Age</b> New	<b>Sales Engineer</b> Stephen Cole			<b>Job Type</b> Cem Prod Casing		
<b>Temp Well Ready:</b>		<b>Deviation</b> 0	<b>Bit Size</b> 7.88 in	<b>Well MD</b> 2,900 ft	<b>Well TVD</b> 2,900 ft	<b>RHP</b> psi	<b>EMSY</b> 100 °F	<b>RHCT</b> 80 °F	
<b>Treat Down</b> Casing	<b>Packer Type</b> None	<b>Packer Depth</b> ft	<b>Wellhead Connection</b> 4 1/2 HSM		<b>HHP on Location</b> 0	<b>Max Allowed Pressure</b> 2000		<b>Max Allowed Ann Pressure</b>	
<b>Casing</b>					<b>Services Instructions:</b>				
<b>Depth, ft</b>	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>	4 1/2" production casing @ ~ 2900'. Confirm cement volumes w/ company rep before loading. Dowell provide top plastic plug only, confirm client to provide FE.				
2900	4.5	10.6	K55	8RD					
<b>Tubing</b>					<b>Extra Equipment:</b>				
<b>Depth, ft</b>	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>	4 1/2" top plastic plug 4 1/2" head, swage, manifold Press mud scale, slurry sample containers, check mix water				
0	0	0							
0	0	0							
<b>Perforated Intervals</b>									
<b>Top, ft</b>	<b>Bottom, ft</b>	<b>spf</b>	<b>No. of Shots</b>	<b>Total Interval</b>					
				ft					
				in					

Contact	Voice	Mobile	FAX	Notes
Daryl Towes		580-541-1578		
Stephen Cole	316-624-8432	405-880-3396	316-624-7341	pager 316-363-0515

**Notes:**  
 1- 4 1/2 Guide Shoe      5- 4 1/2 Centralizers  
 1- 4 1/2 Auto Fill Insert      1- Thread Lock Kit  
 1- 4 1/2 Cement Basket

**Directions:**  
 UKS 160 west to 27 north to Syracuse, 13 north on 27 to Bradshaw gas plant, 4 west, 2 north, 1 west, 1/2 south, east into.

**Other Notes:**

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Comments:

Fluid Systems:

LEAD			
280 sk 35.65 (Poz:C) + 6% D20 + 2% S1 + 1/4 pps D29			
Density:	12.2 lb/gal	Thickening Time:	
Yield:	2.17 ft <sup>3</sup> /sk	Viscosity:	cp
H2O Mix:	12.3 gal/sk	Break Time:	
H2O:	3444 gal	Eq. Sack Weight:	88.75 lb
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	70	
S001	2 % BWOB	497	
D020	6 % BWOB	1491	
D132	27.65 lbs/sk	7742	
D903	61.1 lbs/sk	17108	

TAIL			
150 sk C + 2% S1			
Density:	14.8 lb/gal	Thickening Time:	2
Yield:	1.34 ft <sup>3</sup> /sk	Viscosity:	cp
H2O Mix:	6.34 gal/sk	Break Time:	
H2O:	951 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
S001	2 % BWOB	282	
D903	94 lbs/sk	14100	

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# Cementing Service Report

Company: LOUIS DREYFUS NATURAL GAS CORP. Job Number: 20140238

Well: HCU 2911-B		Location (Legal): 29.21S, 41W		Dewell Location: Ulysses, KS		Job Start: 1/11/00			
Field: HUGOTON		Formation Name/Type: Squeeze		Deviation: 0		Blk Size: 0 in			
Country: Hamilton		State/Province: KS		BHP: 0 psi		Well MD: 0 ft			
Rig Name:		Drilled For: Gas		Service Via: Land		Casing/liner:			
Offshore Zone:		Well Class: New		Well Type: Development		Depth, ft: 840			
Drawing Field Type:		Max. Density: 0 lb/gal		Plastic Viscosity: 0 cp		Tubing/Drill Pipe:			
Service Line: Cementing		Job Type: Cem Top Outside Case		Depth, ft: 0		Size, in: 0			
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: 4 1/2 Cement Head		Perforations/Open Hole:			
Service Instructions: Safely deliver & perform Squeeze Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.		Top, ft: 840		Bottom, ft: 840		SPR: 0			
		No. of Shots: 0		Total Interval: 0 ft		Diameter: 0 in			
		Treat Down: Casing		Displacement: 13 bbl		Packer Type: None		Packer Depth: 0 ft	
		Tubing Vol: 0 bbl		Casing Vol: 0 bbl		Annular Vol: 0 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: 0 psi		Pipe Rotated: <input type="checkbox"/>		Pipe Rectroacted: <input type="checkbox"/>		Shoe Type:			
No. Centralizers: 0		Top Plugs: 0		Bottom Plugs: 0		Shoe Depth: 0 ft			
Contract Head Type:		Stage Tool Depth: 0 ft		Tool Type:		Tool Depth: 0 ft			
Job Scheduled For: 1/11/00 9:30		Arrived on Location: 1/11/00 9:30		Leave Location: 1/11/00 14:30		Collar Type:			
						Collar Depth: 0 ft			
						Tag Total Vol: 0 bbl			
Time	Conc./lb	Density	Pressure (psi)	Reset Volume	LINE (Pipe)	Message			
10:33	0	0	0	0	0	START ACQUISITION			
10:33	0	14.05	-146.5	0	0	Pressure Test Lines			
10:34	0.215	14.12	348	0.215	0				
10:34	0.228	14.18	2509	0.228	0				
10:35	0.228	13.98	-128.2	0.228	0				
10:36	0.228	13.98	-128.2	0.228	0	PAUSE ACQUISITION			
10:49	0.228	13.98	-128.2	0.228	0	RESTART AFTER PAUSE			
10:49	0.228	14.14	-132.8	0.228	0				
10:50	0.228	14.14	-132.8	0.228	0	Start Pumping Water			
10:50	0.234	14.03	-146.5	0.234	0.379				
10:50	0.234	14.03	-146.5	0.234	0.379	Reset Volume			
10:50	0.234	14.03	-146.5	0.234	0.379	(CumVol)=2471 bbl			
10:50	1.53	13.98	-114.5	1.79	4.34				
10:51	3.81	13.89	-96.15	4.08	4.68				
10:52	6.13	14.08	806.6	6.39	4.17				
10:52	7.38	14.06	416.7	7.64	3.79				
10:53	8.66	13.99	-41.21	8.93	0				
10:53	8.66	13.99	-41.21	8.93	0	PAUSE ACQUISITION			
10:58	8.66	13.99	-41.21	8.93	0	RESTART AFTER PAUSE			
10:58	8.66	14.12	-146.5	8.93	0				
10:59	8.66	14.06	-146.5	8.93	0				

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Well		Field				Service Data		Customer	
HCU #2911-8		HUGOTON						S DREYFUS NATURAL GAS	
								2014023	
Time	Depth	Pressure	Residual	Well Pump				Message	
HH:MM	FEET	PSI	PSI	FEET	PSI				
10:59	8.68	14.06	-146.5	8.93	0.	0	0	[Reset Volume]=0 bbl	
10:59	9.02	14.19	-128.2	0.353	3.	0	0		
10:59	9.02	14.19	-128.2	0.353	3.	0	0	Start Pumping Water	
11:00	10.94	14.14	-114.5	2.28	4.13	0	0		
11:00	13.03	14.28	-68.68	4.36	4.13	0	0		
11:01	15.	14.17	325.1	6.34	3.99	0	0		
11:01	16.99	14.34	329.7	8.33	3.96	0	0		
11:02	19.	14.22	334.2	10.33	4.08	0	0		
11:02	21.02	14.05	338.8	12.36	4.06	0	0		
11:03	23.04	14.11	329.7	14.37	4.03	0	0		
11:03	25.06	13.92	338.8	16.4	4.06	0	0		
11:04	27.12	14.05	334.2	18.45	4.1	0	0		
11:04	29.17	14.14	334.2	20.5	4.1	0	0		
11:05	31.22	14.06	320.5	22.58	4.1	0	0		
11:05	33.29	14.	357.1	24.63	4.1	0	0		
11:06	35.35	14.01	343.4	26.68	4.1	0	0		
11:06	37.4	14.07	343.4	28.73	4.1	0	0		
11:07	39.47	13.81	348.	30.8	4.13	0	0		
11:07	39.47	13.81	348.	30.8	4.13	0	0	Shutdown	
11:07	40.69	13.95	-91.58	32.02	0.	0	0		
11:08	40.69	14.18	-141.9	32.02	0.	0	0		
11:08	40.69	14.18	-141.9	32.02	0.	0	0	PAUSE ACQUISITION	
11:09	0.	5.	-3585	0.	0.	0	0		
11:12	0.	5.	-3585	0.	0.	0	0	STOP ACQUISITION	
12:48	0.	5.	-3585	0.	0.	0	0	START ACQUISITION	
12:48	0.	14.38	0.	0.	0.	0	0		
12:48	0.	14.38	0.	0.	0.	0	0	Start Mixing Lead Slurry	
12:47	0.	14.33	0.	0.	0.	0	0		
12:47	0.338	14.21	18.32	0.338	0.	0	0		
12:48	1.45	14.29	36.63	1.45	0.	0	0		
12:48	2.57	14.26	45.79	2.57	0.	0	0		
12:49	3.68	14.61	36.63	3.68	0.	0	0		
12:49	4.8	16.2	36.63	4.8	0.	0	0		
12:50	5.92	17.74	50.37	5.92	0.	0	0		
12:50	7.02	18.5	151.1	7.02	0.	0	0		
12:51	8.09	18.78	114.5	8.09	0.	0	0		
12:51	9.21	18.47	54.95	9.21	0.	0	0		
12:52	10.31	18.44	54.95	10.31	0.	0	0		
12:52	11.42	18.19	50.37	11.42	0.	0	0		
12:53	12.53	18.21	50.37	12.53	0.	0	0		
12:53	13.63	18.41	45.79	13.63	0.	0	0		
12:54	14.74	18.14	45.79	14.74	0.	0	0		
12:54	15.84	17.83	41.21	15.84	0.	0	0		
12:55	16.93	18.14	45.79	16.93	0.	0	0		
12:55	18.03	17.62	54.95	18.03	0.	0	0		
12:56	19.13	18.51	50.37	19.13	0.	0	0		
12:56	20.24	18.4	45.79	20.24	0.	0	0		
12:57	21.34	18.07	41.21	21.34	0.	0	0		
12:57	22.44	17.65	45.79	22.44	0.	0	0		
12:58	23.54	17.69	54.95	23.54	0.	0	0		
12:58	24.64	17.42	68.68	24.64	0.	0	0		
12:59	25.7	17.97	184.8	25.7	0.	0	0		
12:59	26.78	18.44	100.7	26.78	0.	0	0		
13:00	27.88	18.19	105.3	27.86	0.	0	0		

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Wichita, Kansas

Well		Field				Service Data		Customer		Job Number
HCU #2911-B		HUGOTON						S DREYFUS NATURAL GAS		2014028
Time	Conc No	Density	Picograms/ml	Reset Volume	Unit / Pump					Message
Clock	Sec	Ppg	bbl	SW	Min					
13:00	28.95	17.82	123.6	28.95	0.	0	0			
13:01	30.04	17.62	141.9	30.04	0.	0	0			
13:01	31.13	17.53	132.8	31.13	0.	0	0			
13:02	32.22	17.54	100.7	32.22	0.	0	0			
13:02	33.31	17.55	160.3	33.31	0.	0	0			
13:03	34.38	17.56	169.4	34.38	0.	0	0			
13:03	35.49	17.57	59.52	35.49	0.	0	0			
13:04	36.59	17.41	54.95	36.59	0.	0	0			
13:04	37.67	17.35	50.37	37.67	0.	0	0			
13:05	38.77	17.31	60.37	38.77	0.	0	0			
13:05	39.85	17.34	59.52	39.85	0.	0	0			
13:06	40.95	17.23	59.52	40.95	0.	0	0			
13:06	42.06	17.17	59.52	42.06	0.	0	0			
13:07	43.85	17.24	59.52	43.85	0.	0	0			
13:07	45.63	17.24	59.52	45.63	0.	0	0			
13:08	46.64	17.26	59.52	46.64	0.	0	0			
13:08	48.43	17.11	581.5	48.43	0.	0	0			
13:09	48.97	17.18	522.	48.97	0.	0	0			
13:09	49.56	17.04	957.	49.56	0.	0	0			
13:10	50.35	17.11	837.9	50.35	0.	0	0			
13:10	51.17	16.99	660.2	51.17	0.	0	0			
13:11	52.01	16.84	531.1	52.01	0.	0	0			
13:11	52.99	16.73	576.9	52.99	0.	0	0			
13:12	54.12	16.7	645.6	54.12	0.	0	0			
13:12	55.37	16.78	64.1	55.37	0.	0	0			
13:13	56.68	16.83	64.1	56.68	0.	0	0			
13:13	57.27	16.78	45.79	57.27	0.	0	0			
13:14	57.27	16.88	16.32	57.27	0.	0	0			
13:14	57.27	16.87	18.32	57.27	0.	0	0			
13:15	57.27	16.69	13.74	57.27	0.	0	0			
13:15	57.32	16.77	27.47	57.32	0.	0	0			
13:16	58.89	16.87	50.37	58.89	0.	0	0			
13:16	60.18	14.62	77.84	60.18	0.	0	0			
13:17	60.63	14.29	32.05	60.63	0.	0	0			
13:17	60.63	14.3	0.	60.63	0.	0	0			
13:17	60.63	14.3	0.	60.63	0.	0	0			[[Reset Volume]=0 bbl
13:18	60.63	14.34	0.	0.	0.	0	0			
13:18	60.63	14.03	0.	0.	0.	0	0			
13:19	60.63	14.52	13.74	0.	0.	0	0			
13:19	60.63	14.47	32.05	0.	0.	0	0			
13:20	60.63	14.52	0.	0.	0.	0	0			
13:20	60.63	14.4	27.47	0.	0.	0	0			
13:21	60.63	14.35	68.68	0.	0.	0	0			
13:21	60.63	15.12	68.68	0.	0.	0	0			
13:22	60.63	15.85	68.68	0.	0.	0	0			
13:22	60.76	16.55	36.63	0.126	0.	0	0			
13:22	60.76	16.55	36.63	0.126	0.	0	0			Start Mixing Lead Slurry
13:23	61.48	16.99	489.9	0.855	0.	0	0			
13:23	62.58	17.31	233.5	1.95	0.	0	0			
13:24	63.67	17.32	187.7	3.04	0.	0	0			
13:24	64.76	18.9	105.3	4.14	0.	0	0			
13:25	65.85	18.82	73.26	5.22	0.	0	0			
13:25	66.95	18.39	59.52	6.32	0.	0	0			
13:26	68.03	17.5	151.1	7.4	0.	0	0			

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Well			Field			Service Date		Customer		Job Number	
HCU #2911-B			HUGOTON					S DREYFUS NATURAL GAS		20140239	
Time	Current	Depth	Pressure (psi)	Flow Volume (MM)	Unit # (Step 1)				Message		
24 Hr. Clock	AM	FTS	psi	MM	MM						
13:26	68.78	17.71	947.8	8.15	0.	0	0	0			
13:27	69.15	17.69	943.2	8.52	0.	0	0	0			
13:27	69.52	17.58	938.6	8.89	0.	0	0	0			
13:28	69.9	17.57	938.6	9.27	0.	0	0	0			
13:28	70.27	17.44	934.1	9.64	0.	0	0	0			
13:29	70.66	17.32	1364	10.23	0.	0	0	0			
13:29	71.63	17.26	723.4	11.	0.	0	0	0			
13:30	72.84	17.08	45.79	12.21	0.	0	0	0			
13:30	73.97	16.91	45.79	13.34	0.	0	0	0			
13:31	75.12	17.03	1809	14.49	0.	0	0	0			
13:31	75.25	17.03	1891	14.62	0.	0	0	0			
13:32	75.35	17.17	2234	14.72	0.	0	0	0			
13:32	75.45	16.73	2486	14.82	0.	0	0	0			
13:33	75.48	16.71	2399	14.85	0.	0	0	0			
13:33	75.48	16.47	2395	14.85	0.	0	0	0			
13:34	75.48	16.35	2381	14.85	0.	0	0	0			
13:34	75.48	16.33	18.32	14.85	0.	0	0	0			
13:35	75.48	16.2	9.16	14.85	0.	0	0	0			
13:35	75.55	16.18	38.63	14.92	0.	0	0	0			
13:36	76.15	16.04	1029	15.52	0.	0	0	0			
13:36	76.45	15.99	1520	15.82	0.	0	0	0			
13:37	76.63	15.92	2399	16.2	0.	0	0	0			
13:37	76.95	16.02	2656	16.32	0.	0	0	0			
13:38	76.95	16.26	2637	16.32	0.	0	0	0			
13:38	76.95	16.24	2633	16.32	0.	0	0	0			
13:39	76.95	15.99	2619	16.32	0.	0	0	0			
13:39	76.95	16.02	16.32	16.32	0.	0	0	0			
13:40	76.95	16.05	27.47	16.32	0.	0	0	0			
13:40	76.95	16.08	22.69	16.32	0.	0	0	0			
13:41	76.95	16.09	13.74	16.32	0.	0	0	0			
13:41	76.95	16.2	16.32	16.32	0.	0	0	0			
13:42	76.95	16.12	16.32	16.32	0.	0	0	0			
13:42	76.95	15.95	16.32	16.32	0.	0	0	0			
13:43	76.95	15.96	13.74	16.32	0.	0	0	0			
13:43	76.95	15.94	4.56	16.32	0.	0	0	0			

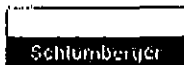
  

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	Hz	Med	Maximum Rate	Total Slurry	Med	Spacer	Hz		
2.2	0	0	4	44	0	0	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
2600	2500	600	0	0		0 bbl	0 lb/gal		
Avg. Hz Percent	Designated Slurry Volume	Displacement	Mix Water Temp		<input type="checkbox"/> Cement Choked to Surface?	Volume			
0 %	80 bbl	0 bbl	60 °F		<input checked="" type="checkbox"/> Washed Thru Pore	Yes	820 ft		
Customer or Authorized Representative			Downhole Supervisor						
Hoot Gibson			Brennon Fica			<input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed			

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CONSERVATION DIVISION  
Wichita, Kansas



### Service Authorization

11-Jan-00

Dowell, A Division of Schlumberger Technology Corp.  
204 S Missouri  
Ulysses, KS

Job Number  
21141235

**Invoice Mailing Address:**  
LOUIS DREYFUS NATURAL GAS CORP  
  
SYRACUSE, KS 67878  
US

ARRIVE LOCATION  
DATE TIME

**Service Instructions**  
Safety deliver & perform Squeeze Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.

**Service Description**  
Cementing - Corn Top Outside Case

Customer PO Contract

AFE Rig

Well HCU 2911-B State/Province KS

County/Parish/Block Legal Location  
Hamilton 29, 21S, 41W

Field HUGOTON

Customer or Authorized Representative  
Hoot Gibson

Dowell will furnish and customer shall purchase materials and services required in the performance of the following service instructions in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order.

Comments

Service Order authorizes work to begin as per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order

Signature of Customer or Authorized Representative  
*Hoot Gibson*  
Hoot Gibson

Signature of Dowell Representative  
Brennon Fica

Thank you for Calling Dowell!

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CONSERVATION DIVISION  
Wichita, Kansas



# Service Authorization

14-Jan-00

**Dowell**

Dowell, A Division of Schlumberger Technology Corp.  
204 S Missouri  
Ulysses, KS

Job Number  
201-20800

<b>Invoice Mailing Address:</b> LOUIS DREYFUS NATURAL GAS CORP  SYRACUSE, KS 67878 US		<b>ARRIVE LOCATION</b> 11/1/00 11:00:00 AM	
<b>Service Instructions</b> Safety Cement well as requested by customer		<b>Service Description</b> Cementing - Cem Top Outside Case	
Customer PO 0	Contract 0	APB 0	Rig
Well HCU 2911-B	State/Province KS	County/Parish/Block Hamilton	Legal Location 29, 21S, 41W
Field HUGOTON		Customer or Authorized Representative Chris Gibson	

Dowell will furnish and customer shall purchase materials and services required in the performance of the following service instructions in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order.

Comments

Service Order: I authorize work to begin as per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attachment to this form and represent that I have authority to accept and sign this order

Signature of Customer or Authorized Representative  
Chris Gibson

Signature of Dowell Representative  
Jeffrey Dutton

Thank you for Calling Dowell!

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**Schlumberger**  
Dowell

# Service Order

14-Jan-00

<b>Customer</b> LOUIS DREYFUS NATURAL GAS CORP		<b>Person Taking Call</b> Dave Brawley		<b>Dowell Location</b> Ulysses, KS		<b>Order Date</b> 1/14/00		<b>Job Number</b> 20140868	
<b>Well Name and Number</b> MCU 2811-B			<b>Legal Location</b> 29, 21S, 41W		<b>Field</b> HUGOTON		<b>County</b> Hamilton		<b>State/Province</b> KS
<b>Rig Name</b>		<b>Well Age</b> New	<b>Sales Engineer</b> Dave Brawley			<b>Job Type</b> Cem Top Outside Case			
<b>Time Well Ready:</b> 1/14/00 1:00 PM		<b>Deviation</b> 0	<b>SR Size</b> 0 in	<b>Well MD</b> 0 ft	<b>Well TVD</b> 0 ft	<b>EMF</b> 0 psi	<b>EMT</b> 0°F	<b>EMCT</b> 0°F	
<b>Treat Dows</b> Casing	<b>Feeder Type</b> None	<b>Feeder Depth</b> 0 ft	<b>Wellhead Connection</b> Single cement head		<b>HHP on Location</b> 0	<b>Max Allowed Pressure</b> 1000		<b>Max Allowed Ann Pressure</b> 0	
<b>Casing</b>					<b>Services Instructions:</b> Safely Cement well as requested by customer				
<b>Depth, ft</b>	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>					
0	0	0							
<b>Tubing</b>					<b>Extra Equipment:</b>				
<b>Depth, ft</b>	<b>Size, in</b>	<b>Weight, lb/ft</b>	<b>Grade</b>	<b>Thread</b>					
0	0	0							
<b>Perforated Intervals</b>									
<b>Top, ft</b>	<b>Bottom, ft</b>	<b>spf</b>	<b>No. of Shots</b>	<b>Total Interval</b>					
0	0	0	0	0 ft					
0	0	0	0	Diameter					
0	0	0	0	0 in					

<b>Contact</b>	<b>Phone</b>	<b>Mobile</b>	<b>FAX</b>	<b>Notes</b>
Chris Gibson	316-384-5620			

**Notes:**

**Directions:**  
UKS 160 west to 27 north to Syracuse; continue 13 north, 4 west, 2 north, 1 west, 1/2 south, east into.

**Other Notes:**

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Schlumberger  
Dowell

### Cementing Service Report

Customer: LOUIS DREYFUS NATURAL GAS CORP  
Job Number: 2014003

Well: HCU 2011-B		Location (legal): 29, 21 S, 41 W		Dowell Location: Ulysses, KS		Job Start: 1/14/00	
Field: HUGOTON		Formation Name/Type:		Deviation: 0		BN Size: 0 in	
County: Hamilton		State/Province: KS		BHP: 0 psi		Well MD: 0 ft	
Rig Name:		Drilled For: Gas		Service Via: Land		Casing/Liner:	
Onshore Zone:		Well Class: New		Well Type: Development		Depth, ft: 0	
Drilling Fluid Type:		Max. Density: 0 lb/gal		Plastic Viscosity: 0 cp		Tubing/Drill Pipe:	
Service Line: Cementing		Job Type: [Cam Top Outside Case]		Depth, ft: 0		Size, in: 0	
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: Single cement head		Perforations/Open Hole:	
Service Instructions: Safety Cement well as requested by customer				Top, ft: 0		Bottom, ft: 0	
				spt: 0		No. of Shots: 0	
				Total Interval: 0 ft		Diameter: 0 in	
				Treat Down: Casing		Displacement: 0 bbl	
				Packer Type: None		Packer Depth: 0 ft	
Tubing Vol.: 0 bbl		Casing Vol.: 0 bbl		Annular Vol.: 0 bbl		Open Hole Vol.: 0 bbl	
Casing/Tubing Sealed: <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing: <input type="checkbox"/>		Casing Tools:		Squeeze Job:	
LR Pressure: psi		Pipe Rotated: <input type="checkbox"/>		Pipe Recirculated: <input type="checkbox"/>		Shoe Type:	
No. Centralizers: 0		Top Plugs: 0		Bottom Plugs: 0		Shoe Depth: 0 ft	
Cement Head Type:		Stage Tool Type:		Stage Tool Depth: 0 ft		Tool Type:	
Job Scheduled For: 1/14/00 13:00		Arrived on Location: 1/14/00 13:00		Leave Location: 1/14/00 15:30		Tool Depth: 0 ft	
Casing Type:		Casing Depth: ft		Yell Pipe Size: 0 in		Yell Pipe Depth: 0 ft	
Casing Depth: ft		Sqr Total Vol: 0 bbl					

Time	Cum Vol	Density	Pressure	Temp	Temp	Temp	Message
24 hr Clock	bbbl	ppg	psi	deg	deg	deg	
13:51	0	8.41	0	0	0	0	START ACQUISITION
13:51	0	8.41	-9.16	0	0	0	
13:52	0.031	8.4	0	0.336	0.031	0	
13:53	0.031	8.4	0	0.336	0.031	0	Pressure Test Lines
13:53	0.16	8.41	68.68	0	0.16	0	
13:54	0.16	8.41	4.58	0	0.16	0	
13:55	0.16	8.41	4.58	0	0.16	0	Start Pumping Water
13:55	0.634	8.41	348	0.923	0.634	0	
13:56	2.56	8.39	210.6	2.68	2.56	0	
13:57	2.56	8.39	210.6	2.68	2.56	0	[Cum Vol]=4.306 bbl
13:57	2.56	8.39	210.6	2.68	2.56	0	Reset Volume
13:57	2.56	8.39	210.6	2.68	2.56	0	Start Mixing Lead Slurry
13:57	0.97	10.9	164.8	2.77	5.32	0	
13:58	3.83	13.68	137.4	2.91	8.18	0	
13:59	6.76	13.81	77.84	2.96	11.12	0	
14:00	9.76	13.53	69.52	2.99	14.11	0	
14:01	12.77	13.63	41.21	2.99	17.12	0	
14:02	15.79	13.84	45.79	3.02	20.14	0	
14:03	18.79	14.06	123.6	2.94	23.15	0	
14:04	21.76	14.05	114.5	2.94	26.11	0	
14:05	24.71	13.63	119	2.94	29.07	0	
14:06	27.67	13.61	128.2	2.91	32.02	0	

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Well	HCU #2911-B		Field	HUGOTON		Service Data	Customer	Sub-Number
Time	Depth	Depth	Pressure	Temp	Temp			Message
24h	ft	ft	psi	deg	deg			
2000								
14:07	30.61	13.74	123.6	2.94	34.96	0	0	
14:08	33.53	13.52	160.3	2.88	37.88	0	0	
14:09	36.45	13.84	141.9	2.91	40.81	0	0	
14:10	39.37	13.74	155.7	2.91	43.72	0	0	
14:11	42.28	13.64	169.4	2.91	46.63	0	0	
14:12	45.17	13.71	174.	2.85	49.52	0	0	
14:13	45.17	13.71	174.	2.85	49.52	0	0	[CumVol]=47.01 bbl
14:13	45.17	13.71	174.	2.85	49.52	0	0	Reset Volume
14:13	45.17	13.71	174.	2.85	49.52	0	0	End Lead Slurry
14:13	1.01	15.48	174.	2.88	52.42	0	0	Start Mixing Tail Slurry
14:14	1.01	15.48	174.	2.88	52.42	0	0	
14:14	3.9	15.19	178.6	2.88	55.31	0	0	Returns at Surface
14:15	6.8	14.74	178.6	2.88	58.21	0	0	
14:16	9.72	14.93	164.8	2.88	61.13	0	0	
14:17	12.64	14.8	164.8	2.91	64.05	0	0	
14:18	15.55	14.74	174.	2.88	66.96	0	0	
14:19	18.46	14.98	178.6	2.88	69.87	0	0	
14:20	18.46	14.98	178.6	2.88	69.87	0	0	End Tail Slurry
14:20	18.46	14.98	178.6	2.88	69.87	0	0	Shutdown
14:20	18.46	14.96	178.6	2.88	69.87	0	0	[CumVol]=20.46 bbl
14:20	0.	14.66	0.	0.	71.87	0	0	Reset Volume
14:20	0.	14.66	0.	0.	71.87	0	0	
14:21	0.	14.68	0.	0.	71.87	0	0	Drop Top Plug
14:21	0.328	14.87	9.18	0.	72.2	0	0	Start Displacement
14:22	0.401	14.25	27.47	0.056	72.27	0	0	
14:23	0.401	14.25	0.	0.	72.27	0	0	
14:24	0.442	13.03	18.32	0.	72.31	0	0	
14:24	0.442	13.03	18.32	0.	72.31	0	0	
14:25	0.442	13.03	18.32	0.	72.31	0	0	PAUSE ACQUISITION
14:25	0.442	4.73	0.	0.	72.31	0	0	RESTART AFTER PAUSE
14:26	1.05	4.72	77.84	1.03	72.92	0	0	
14:27	2.08	14.5	91.58	1.03	73.95	0	0	
14:28	3.11	14.02	114.5	1.03	74.98	0	0	
14:29	4.08	13.97	128.2	0.336	75.95	0	0	
14:30	4.54	14.12	151.1	0.475	76.41	0	0	
14:31	5.01	14.07	151.1	0.475	76.88	0	0	
14:32	5.49	14.1	155.7	0.475	77.36	0	0	
14:33	5.96	14.09	169.4	0.475	77.83	0	0	
14:34	6.44	14.	178.6	0.475	78.31	0	0	
14:35	6.91	14.04	183.2	0.475	78.78	0	0	
14:36	7.39	14.13	192.3	0.475	79.26	0	0	
14:37	7.86	14.13	315.9	0.475	79.73	0	0	
14:38	7.86	14.09	215.2	0.	79.73	0	0	
14:39	7.86	14.09	174.	0.	79.73	0	0	
14:40	8.12	14.03	206.	0.336	79.99	0	0	
14:41	8.44	13.88	206.	0.336	80.31	0	0	
14:42	8.78	14.03	210.6	0.308	80.63	0	0	
14:43	9.08	14.05	215.2	0.336	80.95	0	0	
14:44	9.08	14.05	215.2	0.336	80.95	0	0	Shutdown
14:44	9.13	14.29	183.2	0.	81.01	0	0	
14:45	9.13	14.11	187.7	0.	81.01	0	0	
14:46	9.13	14.34	183.2	0.	81.01	0	0	

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STATE CORPORATION COMMISSION

FEB - 2 2000



Well HCU #2911-B		Field HUGOTON		Service Date		Customer S DREYFUS NATURAL GAS		Job Number 20140320
Time	Pumps	Density	Pressure	Flow Rate	Total	Message		
14:47	9.13	14.34	183.2	0.	81.01	0	0	End Job
Post Job Summary								
Average Pump Rates, bpm				Volume of Fluid Injected, bbl				
starry	Hz	Hz	Maximum Rate	Total Starry	Hz	Spacer	Hz	
2	0	0	2.5	69	0	5	0	
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum	Flow	Average	Starry Pkg to Breakdown	Type	Volume	Density		
350	187	200	0		0 bbl	0 lb/gal		
Avg. Hz Percent	Designated Starry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 27 bbl <input type="checkbox"/> Washed Three Perfs To 0 ft				
0 %	63 bbl	9 bbl	70 °F					
Customer or Authorized Representative Chris Gibson			Downs Supervisor Jeffrey Dutton			<input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed		

RECEIVED  
STATE CORPORATION COMMISSION

FEB - 2 2000

CONSERVATION DIVISION  
Wichita, Kansas

Date ~~1-11-00~~ + 1-14-00

- New Situation
- Response to Request
- Follow-up

Operator Louis Dreyfus # \_\_\_\_\_

1320 FMK C-NW

Address \_\_\_\_\_

Location 1320 FMK, Sec 29, T 21 S, R 41 W

Lease HCU Well # 2911-B

Phone No. \_\_\_\_\_

County Hamilton

Oper. \_\_\_\_\_ Other \_\_\_\_\_

Reason for Investigation: AIT II competition (Dowell on location

Surf @ 303' 8 5/8" ( 7/2 w/ Total of 480sx cmt approx ) ( 2-Bond Logs Ran )

Problem: \_\_\_\_\_

Person(s) Contacted: \_\_\_\_\_

Findings: 4 1/2 @ 2951.80 w/ 290 sx w/ 35/65 por 6/10 gel  
2% cc Tailed in w/ 150sx CLC CMT 2% cc @ 14.8 PPG

Dowell pumped 20 bbl @ 3.5 BPM no blow on 8 5/8 annulus  
waited on 300# Halls. Started pumping Mix 140 sx pits plugged  
off shut down. (1-11+12) drilled out cmt, (1-14-00) Ran Bond  
log TOC @ 760' perforated @ 710' Dowell Pumped 175sx lite cmt +  
75sx class C put 150sx to pit

Action/Recommendations: Starting Time = 10:30 am to 2:00 pm on 1-11  
= 2:00 pm to 2:45 pm on 1-14

- Lease Inspection
- Complaint
- Field Report

By Kevin D. St... RECEIVED  
STATE CORPORATION COMMISSION  
PIRT II JAN 20 2000

Retain 1 copy Joint District Office  
Send one copy Conservation Division

CONSERVATION DIVISION  
Wichita, Kansas

NOTICE OF INTENTION TO DRILL HUGOTON INFILL

SGA: NO

EFFECTIVE DATE 10-4-99

Starting Date 10 month 15 day 1999 year

API Number 15-075-207080000 ALT 2

OPERATOR: License # 31321
Name Louis Dreyfus Natural Gas Corp.
Address 14000 Quail Spgs. Parkway - Ste. 600
City/State/Zip Oklahoma City, OK 73134
Contact Person Lenora Sawyer
Phone 405-748-2725

CONTRACTOR: License # 5382
Name Cheyenne Drilling, Inc.
City/State Garden City, KS

Well Drilled as: X New Recompletion OWWO
Projected Total Depth 3000'± feet
Formation Chase

If OWWO or Recompletion: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

IS SECTION X REGULAR IRREGULAR
C NW/4 Sec. 29 Twp. 21 S, Rg. 41 W
3960' Ft. from South Line of Section
3960' Ft. from East Line of Section

NOTE: Attach acreage attribution plat locating both Chase (Hugoton) wells
Total number of acres attributed to unit 640

Nearest producing well from 2800'
same common source of supply feet
Nearest lease or unit boundary line 1320' feet

County Hamilton
Lease Name HCU Well # 2911-B
Ground surface elevation 3678' feet MSL

Depth to bottom of fresh water 180'
Depth to bottom of usable water 1200'
Surface pipe by Alternate: 1 2 X

Surface pipe planned to be set 300'
Water Source for Drilled Operations:
DWR Permit #: well farm pond X other

I certify that well will comply with K.S.A. 55-101, et seq., plus eventually plugging hole to KCC specifications.
Date 9/28/99 Signature of Operator or Agent Lenora Sawyer Title Regulatory Technician

For KCC Use:

Conductor Pipe Required NONE feet; Minimum Surface Pipe Required 200 feet per Alt. X(2)
This Authorization Expires 3-29-2000 Approved By JK 9-29-99

9/95

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JAN 20 2000

CONSERVATION DIVISION Wichita, Kansas

Pusher Lenora SPUD DATE 10-19-99 INIT. MSJ
LENGTH SURFACE PLANNED 303
RESERVE PIT STATUS- REMOVE FLUID LINED after salt sect. bbls. when done bbls.
RATHOLED AHEAD? Y N SIZE HOLE
SURFACE PIPE @ N CONDUCTOR
ANHYDRITE T- B- ELEVATION
TD FORMATION
RAN PIPE @ DV TOOL ALT II DONE SX N
Arbuckle Plug @ Ft. W/ SX
Hug./Council @ Ft. W/ SX
Anhydrite Base @ Ft. W/ SX
1/2 Base Anhy. @ Ft. W/ SX
1/2, 1/2 Plug @ Ft. W/ SX
Bottom Surface @ Ft. W/ SX
40' Plug @ Ft. W/ SX
RAT HOLE CIRC/W SX MOUSE HOLE W/ SX
WATER WELL SX (Irr. Well Pond Hauling)
TECHNICIAN DATE
TYPE OF CEMENT
STARTING TIME (AM/PM) DATE
COMPLETION TIME (AM/PM) DATE
CEMENT COMPANY