

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 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, USW, Expl., Cathodic, etc.)

If Workover:

Operator: FEB 09 1998

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

8/15/97 8/17/97 1/10/98
Spud Date Date Reached TD Completion Date

API NO. 15- 075-206510000

County Hamilton

-App- C - NW Sec. 10 Twp. 21S Rge. 41 X W

1250 Feet from S (circle one) Line of Section

1328 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 # 10-11B

Field Name Bradshaw

Producing Formation Chase Group

Elevation: Ground 3639' KB 3644.6'

Total Depth 2981' PBDT 2939'

Amount of Surface Pipe Set and Cemented at 220 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2981'

feet depth to surface w/ 470 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 24,000 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. _____

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 Compliance Tech. Date 2/5/98

Subscribed and sworn to before me this 5th day of February, 19 98

Notary Public Calvin Jackson

Date Commission Expires 2-24-01

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 # 10-11B

Sec. 10 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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attachments

List All E.Logs Run:

Array Induction Shallow Focused
 Electric Log

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"	24#	220	Class C	150	2% CC, 1/4# flake
Production	7 7/8"	4 1/2"	9.5#	2981	Class C	320	3% D79, 2% CC, 2% D48, 1/4# flake
					Class C	150	2% CC, 1/4# flake

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	2844-2848, 2860-2864, 2874-2878, 2888-2892	1000 gal. 7 1/2% HCL, 20,000 gal. 65Q N2, 46,700# 16/30 sand.	2844-2892

TUBING RECORD Size 2 3/8" Set At 2879' Packer At N/A Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 1/10/98 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	-0-	69	140	N/A	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 2844-2860
2860-2864
2874-2878
2888-2892

DRILLERS LOG

AMERICAN EXPLORATION COMPANY
HCU 10-11B
SECTION 10-T21S-R41W
HAMILTON COUNTY, KANSAS

ORIGINAL

15-075-20651

COMMENCED: 08-15-97
COMPLETED: 08-17-97

SURFACE CASING: 227' OF 8 5/8" CMTD
W/155 SKS CLASS C + 2% CC +
1/4# FLOCELE.

RECEIVED
KANSAS CORPORATION COMMISSION

FORMATION

DEPTH

FEB 09 1998

SURFACE HOLE

0 - 227

CONSERVATION DIVISION
WICHITA, KS

CLAY & SANDSTONE

227 - 1094

RED BED

1094 - 2985 RTD

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

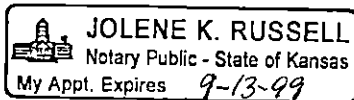
CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 18TH DAY OF AUGUST, 1997.

JOLENE K. RUSSELL

NOTARY PUBLIC

Schlumberger
Dowell

Cementing Service Report

ORIGINAL

Customer: AMERICAN EXPLORATION COMPANY
Job Number: 20014525

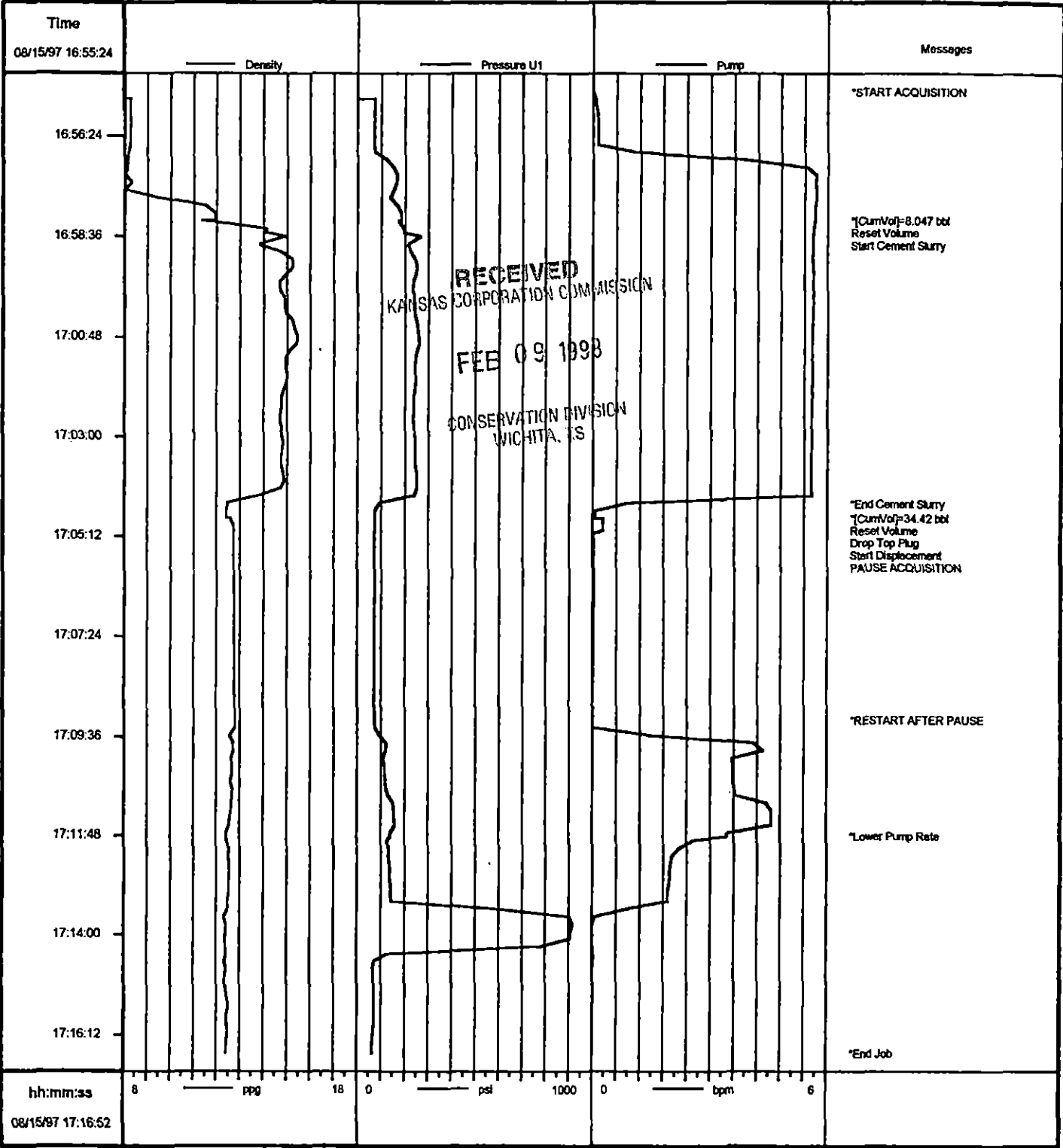
Well HCU 10-11 B		Location (legal) SEC 10-21S-41W		Dowell Location Ulysses, KS		Service Date 8/15/97		
Field BRADSHAW		Formation Name/Type Dirty-Sandstone		Deviation 0 °		Bit Size 12.3 in	Well MD 0 ft	Well TVD 0 ft
County Hamilton		State/Province KS		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft	
Rig Name 'ENNE WELL SERV	Drilled For Gas	Service Via Land		Casing/Liner				
Water Depth	Well Class 101	Well Type Development		Depth, ft 220	Size, in 8.63	Weight, lb/ft 24	Grade K55	Thread 8RD
Drilling Fluid Type Bentonite	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 0	Thread 0	
Max. Allowed Tubing Pressure 800 psi	Max. Allowed Ann. Pressure 0 psi	Wellhead Connection Single cement head		Perforations/Open Hole				
Service Instructions SAFELY CEMENT 8 5/8 SUFACE CASING AS PER CUSTMER ORDERS	Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft			
	Diameter 0	in 0	Treat Down Casing	Displacement 12 bbl	Packer Type	Packer Depth 0 ft		
	Tubing Vol. 0 bbl	Casing Vol. 14.8 bbl	Annular Vol. 0 bbl	Open Hole Vol. 0 bbl				
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure: 90 psi		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type			
Pipe Rotated <input type="checkbox"/>		No. Centralizers: 2		Top Plugs: 1	Bottom Plugs: 0	Shoe Depth: 14 ft		Tool Type:
Cement Head Type: Single		Stage Tool Type	Tool Depth: 0 ft	Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in			
Job Scheduled For: 8/15/97 14:30		Arrived on Location: 8/15/97 14:00		Leave Location: 8/15/97 14:00		Collar Type: Other	Tail Pipe Depth: 0 ft	Collar Depth: 18 ft
		Sqz Total Vol: 0 bbl	Message					
Time 24 hr clock	CumVol bbl	Density ppg	Pressure U1 psi	Pump bpm				
16:55	0	6.25	3761	0	0	0	0	START ACQUISITION
16:55	.0437	8.272	70.99	.1176	0	0	0	
16:56	.1043	8.272	72.16	.1319	0	0	0	
16:56	.6728	8.149	120.7	3.877	0	0	0	
16:57	3.382	8.336	163.4	5.68	0	0	0	
16:57	6.244	11.51	168.9	5.667	0	0	0	
16:58	0	0	0	0	0	0	0	[CumVol]=8.047 bbl
16:58	0	0	0	0	0	0	0	Reset Volume
16:58	.9579	14.12	195.4	5.628	0	0	0	Start Cement Slurry
16:58	3.783	14.72	222.7	5.611	0	0	0	
16:59	6.605	14.96	245.5	5.627	0	0	0	
16:59	9.434	14.88	236.9	5.618	0	0	0	
17:00	12.26	15.23	247.7	5.601	0	0	0	RECEIVED CORPORATION CO
17:00	15.08	15.42	260.4	5.591	0	0	0	
17:01	17.89	14.92	242.7	5.601	0	0	0	FEB 09 1998
17:01	20.71	14.87	241.5	5.6	0	0	0	
17:02	23.53	14.75	238.5	5.597	0	0	0	
17:02	26.34	14.74	238.8	5.587	0	0	0	PRESERVATION DIVISION TA. #5
17:03	29.16	14.74	242.8	5.57	0	0	0	
17:03	31.96	14.69	248.4	5.584	0	0	0	
17:04	34.36	12.47	92.42	.8439	0	0	0	

Well		Field				Service Date	Customer	Job Number
HCU #10-11 B		BRADSHAW				8/15/97	RICAN EXPLORATION CON	20014525
Time	CumVol	Density	Pressure U/I	Pump				Message
24 hr clock	bbl	ppg	psi	bpm				
17:04	0	0	0	0	0	0	0	End Cement Slurry
17:04	0	0	0	0	0	0	0	[CumVol]=34.42 bbl
17:04	0	0	0	0	0	0	0	Reset Volume
17:04	0	0	0	0	0	0	0	Drop Top Plug
17:04	.0487	12.73	73.31	2561	0	0	0	
17:05	0	0	0	0	0	0	0	Start Displacement
17:05	0	0	0	0	0	0	0	PAUSE ACQUISITION
17:09	6405E-5	12.79	72.44	1463E-33	0	0	0	RESTART AFTER PAUSE
17:09	.6953	12.71	121.9	4.103	0	0	0	
17:10	2.699	12.67	113.9	3.581	0	0	0	
17:10	4.503	12.68	120.6	3.613	0	0	0	
17:11	6.562	12.63	155.2	4.568	0	0	0	
17:11	8.767	12.42	139.3	3.432	0	0	0	
17:11	0	0	0	0	0	0	0	Lower Pump Rate
17:12	9.988	12.5	131.2	2.003	0	0	0	
17:12	10.98	12.54	137.4	1.95	0	0	0	
17:13	11.94	12.47	145.7	1.905	0	0	0	
17:13	12.28	12.42	916.6	.0045	0	0	0	RECEIVED
17:14	12.28	12.4	783.2	1611E-9	0	0	0	KANSAS CORPORATION COMMISSION
17:14	12.28	12.42	68.6	4051E-6	0	0	0	
17:15	12.28	12.41	68.72	3255E-7	0	0	0	FEB 09 1998
17:15	12.28	12.42	68.72	1167E-10	0	0	0	
17:16	12.28	12.44	65.22	4177E-14	0	0	0	CONSERVATION DIVISION
17:16	0	0	0	0	0	0	0	End Job HITA KS

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5	0	0	5.5	38	0	0	0
Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
800	783	200	0	0		41.5 bbl	10 lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement		<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To 0 ft		
0 %	37.8 bbl		12.25 bbl				
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	
HAWK DEMOSS			DUTTON JEFFREY				

Well	Bonsall #A-3	Client	OXY USA	ORIGINAL
Field	Hugoton	SIR No.	20011639	
Country	USA	Job Date	8/15/97 4:55:24 PM	



RECEIVED
KANSAS CORPORATION COMMISSION
FEB 09 1998
CONSERVATION DIVISION
WICHITA, KS

Job: amax1452
08/16/1997 15:04

* Mark of Schlumberger

ORIGINAL



Cementing Service Report

Schlumberger Dowell				Customer AMERICAN EXPLORATION COMPANY				Job Number 20014782	
Well HCU 10-11 B			Location (legal) SEC 10-21S-41W			Dowell Location Ulysses, KS		Service Date 8/17/97	
Field BRADSHAW		Formation Name/Type Dolomite		Deviation 0	Bit Size 7.88 in	Well MD 2,981 ft	Well TVD 2,981 ft		
County Hamilton		State/Province KS		BHP 0 psi	BHST 0 °F	BHCT 0 °F	Pore Press. Gradient 0 psi/ft		
Rig Name 'ENNE WELL SERV	Drilled For Gas	Service Via Land		Casing/Liner					
Water Depth	Well Class 101	Well Type Development		Depth, ft 2981	Size, in 4.5	Weight, lb/ft 9.5	Grade K55	Thread 8RD	
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal	Plastic Viscosity 0 cp		Tubing/Drill Pipe				
Service Line Cementing	Job Type Cem Prod Casing		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0	Thread 0		
Max. Allowed Tubing Pressure 200 psi	Max. Allowed Ann. Pressure 0 psi	WellHead Connection Single cement head		Perforations/Open Hole					
Service Instructions KANSAS CORPORATION COMMISSION safely cement production casing as per customer orders FEB 09 1998 CONSERVATION DIVISION WICHITA, KS				Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft	
				0	0	0	0	Diameter 0 in	
				0	0	0	0	0	
				Treat Down Casing	Displacement 48 bbl	Packer Type	Packer Depth 0 ft		
Tubing Vol. 0 bbl	Casing Vol. 48.2 bbl	Annular Vol. 0 bbl	Open Hole Vol. 0 bbl						
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 1760 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Float	Squeeze Type		
No. Centralizers: 6	Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 2944 ft	Tool Type:				
Cement Head Type: Single		Stage Tool Type		Stage Tool Depth: 0 ft	Tool Depth: 0 ft				
Job Scheduled For: 8/17/97 12:00	Arrived on Location: 8/17/97 12:00		Leave Location: 8/17/97 16:00		Collar Type: Auto-Fill	Tail Pipe Size: 0 in			
Collar Depth: 2939 ft	Tail Pipe Depth: 0 ft		Sqr Total Vol: 0 bbl						
Time	CumVol	Density	Pressure U1	Pump				Message	
24 hr clock	bbl	ppg	psi	bpm					
13:57	0	0	0	0	0	0	0	START ACQUISITION	
13:57	0	8.074	-4.568	0	0	0	0		
13:58	.2409	8.077	1820	2193E-6	0	0	0		
13:58	0	0	0	0	0	0	0	Pressure Test Lines	
13:59	.241	8.113	172.6	8746E-12	0	0	0		
14:00	.241	8.07	-2501	3491E-17	0	0	0		
14:00	0	0	0	0	0	0	0	Start Pumping Wash	
14:00	0	0	0	0	0	0	0	[CumVol]=.241 bbl	
14:00	0	0	0	0	0	0	0	Reset Volume	
14:00	1.259	8.364	201.1	5.476	0	0	0		
14:01	5.658	8.364	217.2	5.593	0	0	0		
14:02	10.06	8.345	230.4	5.596	0	0	0		
14:02	0	0	0	0	0	0	0	Reset Volume	
14:02	0	0	0	0	0	0	0	[CumVol]=10.25 bbl	
14:03	4.137	8.348	249.5	5.597	0	0	0		
14:04	8.544	8.232	283.1	5.592	0	0	0		
14:04	0	0	0	0	0	0	0	[CumVol]=11.45 bbl	
14:04	0	0	0	0	0	0	0	Reset Volume	
14:04	1.406	11.34	319.7	5.592	0	0	0		
14:05	0	0	0	0	0	0	0	Start Mixing Lead Slurry	
14:05	5.823	11.04	290.2	5.591	0	0	0		

Well			Field			Service Date		Customer		Job Number
HCU #10-11 B			BRADSHAW			8/17/97		RICAN EXPLORATION CON		20014782
Time	CumVol	Density	Pressure UI	Pump				Message		
24 hr. clock	bbl	ppg	psi	bpm						
14:06	10.23	11.01	261.4	5.592	0	0	0			
14:07	14.63	11.26	231.8	5.594	0	0	0			
14:07	19.04	10.99	188.2	5.584	0	0	0	ORIGINAL		
14:08	23.46	11.08	162.4	5.593	0	0	0			
14:09	27.86	11.02	137	5.592	0	0	0			
14:10	32.27	11.33	99.18	5.595	0	0	0			
14:11	36.69	11.7	99.44	5.593	0	0	0			
14:11	41.09	11.33	74.94	5.606	0	0	0			
14:12	45.5	11.08	86.99	5.58	0	0	0	RECEIVED KANSAS CORPORATION CI		
14:13	49.91	11.11	86.93	5.59	0	0	0			
14:14	54.32	11.07	86.46	5.584	0	0	0			
14:15	58.73	11.38	90.2	5.595	0	0	0	FEB 09 11		
14:15	63.14	11.06	86	5.589	0	0	0			
14:16	67.54	11.28	86.65	5.59	0	0	0			
14:17	71.95	11.17	87.28	5.577	0	0	0	CONSERVATION DIVISION WICHITA, KS		
14:18	76.37	11.28	86.79	5.593	0	0	0			
14:19	80.77	11.29	89.69	5.585	0	0	0			
14:19	85.17	11.1	86.87	5.59	0	0	0			
14:20	89.58	11.48	92.63	5.589	0	0	0			
14:21	93.99	11.08	80.13	5.592	0	0	0			
14:22	98.4	11.13	86.33	5.58	0	0	0			
14:22	102.8	11.14	82.45	5.583	0	0	0			
14:23	107.2	11.26	85.26	5.579	0	0	0			
14:24	111.6	11.27	86.84	5.593	0	0	0			
14:25	116	11.23	86.69	5.59	0	0	0			
14:26	120.4	11.25	86.78	5.598	0	0	0			
14:26	124.8	10.93	82.25	5.587	0	0	0			
14:27	129.2	11.05	85.24	5.583	0	0	0			
14:28	133.6	11.06	81.59	5.589	0	0	0			
14:29	138.1	11.25	83.68	5.593	0	0	0			
14:30	142.5	11.17	85.68	5.587	0	0	0			
14:30	146.9	11.64	90.29	5.582	0	0	0			
14:31	151.3	11.02	86.26	5.587	0	0	0			
14:32	155.7	11.44	86.78	5.592	0	0	0			
14:33	160.1	11.2	84.55	5.579	0	0	0			
14:34	164.5	10.96	79.31	5.594	0	0	0			
14:34	168.9	11.02	81.76	5.584	0	0	0			
14:35	173.3	11.18	85.17	5.589	0	0	0			
14:36	177.7	11.67	85.05	5.579	0	0	0			
14:36	0	0	0	0	0	0	0	[CumVol]=180.4 bbl		
14:36	0	0	0	0	0	0	0	Reset Volume		
14:37	1.686	15.02	163	5.603	0	0	0			
14:37	0	0	0	0	0	0	0	Start Mixing Tail Slurry		
14:37	6.089	14.82	173.6	5.592	0	0	0			
14:38	10.51	15.02	169.6	5.583	0	0	0			
14:39	14.91	14.87	170	5.592	0	0	0			
14:40	19.32	14.86	162.4	5.596	0	0	0			
14:41	23.72	14.98	163.6	5.596	0	0	0			
14:41	28.14	14.87	152.4	5.592	0	0	0			
14:42	32.55	14.88	156.4	5.592	0	0	0			
14:43	0	0	0	0	0	0	0	End Tail Slurry		
14:43	0	0	0	0	0	0	0	Drop Top Plug		
14:43	34.34	13.98	-11.33	1715E-6	0	0	0			

Well		Field			Service Date		Customer		Job Number
HCU #10-11 B		BRADSHAW			8/17/97		RICAN EXPLORATION CON		20014782
Time	CumVol	Density	Pressure U1	Pump				Message	
24 hr clock	bbbl	ppg	psi	bpm					
14:43	0	0	0	0	0	0	0	PAUSE ACQUISITION	
14:48	34.34	8.639	-10.71	5348E-20	0	0	0	RESTART AFTER PAUSE	
14:49	0	0	0	0	0	0	0	Start Displacement	
14:49	0	0	0	0	0	0	0	[CumVol]=36.33 bbl	
14:49	0	0	0	0	0	0	0	Reset Volume	
14:49	.6369	8.84	20.61	5.712	0	0	0	ORIGINAL	
14:50	5.138	8.844	14.86	5.711	0	0	0		
14:51	9.64	8.779	15.03	5.711	0	0	0		
14:51	14.14	8.751	16.62	5.71	0	0	0		
14:52	18.65	8.732	93.9	5.624	0	0	0		
14:53	23.05	8.639	231.1	5.593	0	0	0		
14:54	27.45	8.547	345.9	5.579	0	0	0		
14:55	31.87	8.49	468.1	5.589	0	0	0		
14:55	36.27	8.463	573	5.589	0	0	0		
14:56	39.74	8.403	473.2	2.097	0	0	0		
14:56	0	0	0	0	0	0	0	Lower Pump Rate	
14:57	41.38	8.234	524.1	2.066	0	0	0		
14:58	43	8.113	562.1	2.069	0	0	0		
14:58	44.63	8.094	595	2.067	0	0	0		
14:59	46.26	8.123	884.6	2.038	0	0	0		
15:00	46.39	7.904	745.5	9046E-9	0	0	0		
15:01	46.43	7.983	907.4	.2632	0	0	0		
15:02	46.6	7.988	756.5	1774E-6	0	0	0		
15:02	46.6	7.985	-7111	7082E-12	0	0	0		
15:03	46.6	7.979	.1821	2827E-17	0	0	0		
15:04	46.6	7.965	-.744	1128E-22	0	0	0		
15:05	46.6	7.944	2.708	4504E-28	0	0	0		
15:06	47.59	8.514	91.84	5.524	0	0	0		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Med	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.5	0	0	5.5	220	0	0	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Type	Volume	Density	
	1100	200	0		0 bbl	14.8 lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft			
0 %	0 bbl		48 bbl				
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	
HAWK DEMOSS			DUTTON JEFFREY				

Well	Bonsall #A-3 BHCU 10-11 B	Client	EXX USA Amex
Field	Hugoton Bradshaw	SIR No.	20011639 20014782
Country	USA	Job Date	8/17/97 1:57:43 PM

