

RECEIVED

FORM MUST BE TYPED

SEP 24 2001

SIDE ONE

ORIGINAL

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

Operator: License # 5952Name: Amoco Production CompanyAddress P.O. Box 3092, Rm 3.329City/State/Zip Houston, TX 77253-3092

Purchaser: _____

Operator Contact Person: Sue SellersPhone (281) 366-2052Contractor: Name: Cheyenne Drilling Inc.License: 5382

Wellsite Geologist: _____

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/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBSD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____06/18/01 06/21/01 06/21/01-P&A

Spud Date Date Reached TD Completion Date

API NO. 15- 129-21630-0000County MortonNW SW SE Sec. 17 Twp. 31S Rge. 39 X W1250 S Feet from (S) (circle one) Line of Section2290 E Feet from (E) (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Hubbard Gas Unit "B" Well # 4Producing Formation N/AElevation: Ground 3204 KB _____Total Depth 2191' PBSD 0Amount of Surface Pipe Set and Cemented at 560 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan RA KGR 7/03/07
(Data must be collected from the Reserve Pit)Chloride content 400 ppm Fluid volume 400 bblsDewatering method used Dried&Filled-Transfer to Hubbard 4A

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rge. E/W

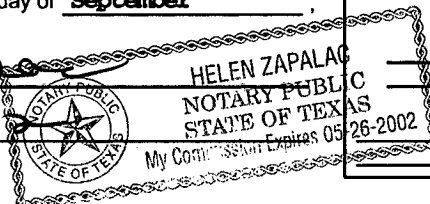
County _____ Docket No. _____

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 Sue SellersTitle Staff Assistant Date 09/21/01Subscribed and sworn to before me this 21st day of September20 01

Notary Public

Date Commission Expires 05.25.02

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality AttachedC ☐ Wireline Log ReceivedC ☐ Drillers Timelog Received

Distribution

KCC ☐ SWD/Rep ☐ NGPAKGS ☐ Plug ☐ Other

(Specify)

Form ACO-1 (7-91)

ORIGINAL

SIDE TWO

Operator Name Amoco Production CompanyLease Name Hubbard Gas Unit "B"Well # 4Sec. 17 Twp. 31S Rge. 39 ☐ EastCounty Morton☒ 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
(Attach Additional Sheets.)☐ Yes ☒ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☐ Yes ☒ No

List All E.Logs Run:

None☐ Log

Formation (Top), Depth and Datums

☐ Sample

Name

Top

Datum

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
<u>Surface</u>	<u>12 1/4"</u>	<u>8 5/8"</u>	<u>24#</u>	<u>560</u>	<u>Class C</u>	<u>335</u>	<u>2%cc; 1/4#Floc</u>
<u>Production</u>	<u>None Set</u>						

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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
	<u>Perfs-None</u>		

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	<u>None Set</u>				
Date of First, Resumed Production, SWD or Inj.	Producing Method				
<u>Dry Hole - P&A 06/21/01</u>	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease☐ Open Hole ☐ Perforation ☐ Dually Comp. ☐ Commingled

(If vented, submit ACO-18.)

☐ Other (Specify) _____

Schlumberger

Cementing Service Report

ORIGINAL

Customer: AMOCO PRODUCTION COMPANY				Job Number: 20223554				
Well: Hubbard B 4		Location (legal): Sec.		Dowell Location: Ulysses, KS		Job Start: 6/18/01		
Field: Hugoton		Formation Name/Type: Surface		Deviation: 0°		Bit Size: 0 in		
County: Morton		State/Province: Kansas		Well MD: 560 ft		Well TVD: 560 ft		
Rig Name:		Drilled For: Gas		Service Via: Land		BHP: 0 psi		
Offshore Zone: none		Well Class: New		Well Type: Development		BHST: 75°F		
Drilling Fluid Type:		Max. Density: 0 lb/gal		Plastic Viscosity: 0 cp		BHCT: 70°F		
Service Line: Cementing		Job Type: Cem Surface Casing		Casing/Liner:		Pore Press. Gradient: 0 psi/ft		
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: Single cement head		Depth, ft: 560		
Service Instructions: Safely deliver & perform Surface Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.		Wellhead Connection: Single cement head		Casing/Liner:		Size, in: 8.63		
				Tubing/Drill Pipe:		Weight, lb/ft: 24		
				Perforations/Open Hole:		Grade: 0		
				Top, ft: 0		Bottom, ft: 0		
				spf: 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 Secured ☐		1 Hole Volume Circulated prior to Cementing ☐		Casing Tools:		Squeeze Job:		
Lift Pressure: psi		Pipe Rotated ☐		Pipe Reciprocated ☐		Shoe Type: Guide		
No. Centralizers: 4		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 560 ft		
Cement Head Type: Single		Stage Tool Type: None		Tool Depth: 0 ft		Tool Type:		
Job Scheduled For: 6/18/01 18:00		Arrived on Location: 6/18/01 18:00		Leave Location: 6/18/01 22:00		Stage Tool Depth: 0 ft		
						Tail Pipe Size: 0 in		
						Collar Type: Auto-Fill		
						Tail Pipe Depth: 0 ft		
						Collar Depth: ft		
						Sqr Total Vol: 0 bbl		
Time	CumVol	Density	Pressure U1	ToolFlowrate				Message
20:28	0	0	0	0	0	0	0	START PLAYBACK
20:28	0.	8.42	18.32	0.	0	0	0	
20:28	0.	8.42	18.32	0.	0	0	0	Pressure Test Lines
20:29	0.	8.42	22.89	0.	0	0	0	
20:29	0.	8.42	22.89	0.	0	0	0	
20:30	0.	8.42	18.32	0.	0	0	0	
20:30	0.131	8.42	1804	0.	0	0	0	
20:31	0.131	8.42	18.32	0.	0	0	0	
20:31	0.131	8.42	22.89	0.	0	0	0	
20:32	1.95	8.35	59.52	5.73	0	0	0	
20:32	4.82	8.32	64.1	5.7	0	0	0	
20:32	1.95	8.35	59.52	5.73	0	0	0	
20:33	7.69	8.38	68.68	5.7	0	0	0	Start Pumping Water
20:33	7.69	8.38	68.68	5.7	0	0	0	
20:33	7.69	8.38	68.68	5.7	0	0	0	Start Cement Slurry
20:33	7.69	8.38	68.68	5.7	0	0	0	[CumVol]=10.37
20:33	7.69	8.38	68.68	5.7	0	0	0	Reset Volume
20:33	0.096	8.36	77.84	5.73	0	0	0	
20:34	2.87	8.65	87.	5.7	0	0	0	
20:34	5.84	9.85	105.3	5.7	0	0	0	
20:35	8.71	12.97	169.4	5.7	0	0	0	
20:35	11.58	11.9	155.7	5.73	0	0	0	
20:36	14.45	12.06	146.5	5.73	0	0	0	

Well			Field			Service Date		Customer	Job Number
Hubbard B #4			Hugoton					IOCO PRODUCTION COMP	202235A
Time	CumVol	Density	Pressure 1/1	TestFlowrate				Message	
24 hr clock	bbl	ppg	psi	bpm					
20:36	17.32	12.36	141.9	5.7	0	0	0		
20:37	20.19	12.79	155.7	5.73	0	0	0		
20:37	23.06	13.73	132.8	5.7	0	0	0		
20:38	25.93	12.49	132.8	5.7	0	0	0		
20:38	28.81	12.54	146.5	5.7	0	0	0		
20:39	31.68	12.72	146.5	5.73	0	0	0		
20:39	34.55	12.02	123.6	5.73	0	0	0		
20:40	37.42	12.42	128.2	5.73	0	0	0		
20:40	40.29	12.52	141.9	5.68	0	0	0		
20:41	43.16	12.29	132.8	5.73	0	0	0		
20:41	46.03	12.26	128.2	5.73	0	0	0		
20:42	48.9	12.28	128.2	5.7	0	0	0		
20:42	51.77	12.05	123.6	5.7	0	0	0		
20:43	54.64	12.42	128.2	5.73	0	0	0		
20:43	57.51	12.4	137.4	5.7	0	0	0		
20:44	60.38	12.25	123.6	5.7	0	0	0		
20:44	63.26	12.47	132.8	5.7	0	0	0		
20:45	66.13	12.79	146.5	5.7	0	0	0		
20:45	69.	12.28	141.9	5.7	0	0	0		
20:46	71.87	13.57	128.2	5.7	0	0	0		
20:46	71.87	13.57	128.2	5.7	0	0	0	tail	
20:46	71.87	13.57	128.2	5.7	0	0	0	lead 69 bbls off pump	
20:46	71.87	13.57	128.2	5.7	0	0	0	Reset Volume	
20:46	71.87	13.57	128.2	5.7	0	0	0	[CumVol]=74.17	
20:46	0.479	14.65	91.58	5.73	0	0	0		
20:47	3.35	11.02	119.	5.7	0	0	0		
20:47	6.15	11.92	105.3	4.87	0	0	0		
20:48	8.6	13.24	123.6	4.87	0	0	0		
20:48	10.53	14.21	91.58	3.05	0	0	0		
20:49	12.06	14.62	109.9	3.05	0	0	0		
20:49	13.59	14.5	114.5	3.05	0	0	0		
20:50	15.42	14.5	137.4	3.66	0	0	0		
20:50	17.26	15.16	141.9	3.69	0	0	0		
20:51	19.11	14.72	141.9	3.66	0	0	0		
20:51	20.95	14.68	128.2	3.66	0	0	0		
20:52	22.83	14.5	132.8	3.8	0	0	0	RECEIVED	
20:52	24.74	14.22	114.5	3.8	0	0	0		
20:53	26.65	14.01	109.9	3.77	0	0	0	SEP 24 2001	
20:53	28.56	14.09	105.3	3.8	0	0	0		
20:54	30.46	14.99	119.	3.8	0	0	0	KCC WICHITA	
20:54	32.37	15.11	141.9	3.8	0	0	0		
20:55	34.31	14.88	128.2	3.91	0	0	0		
20:55	36.27	15.93	160.3	3.91	0	0	0		
20:56	38.02	14.43	32.05	0.531	0	0	0		
20:56	38.02	14.38	18.32	0.	0	0	0		
20:57	38.02	14.5	18.32	0.	0	0	0		
20:57	38.61	13.11	82.42	3.44	0	0	0		
20:58	41.18	9.77	100.7	5.7	0	0	0		
20:58	44.05	8.88	82.42	5.7	0	0	0		
20:59	46.92	8.13	77.84	5.7	0	0	0		
20:59	49.79	8.15	77.84	5.73	0	0	0		
21:00	52.66	8.27	77.84	5.7	0	0	0		
21:00	55.53	8.35	96.15	5.7	0	0	0		
21:01	55.53	8.35	96.15	5.7	0	0	0	on disp	

ORIGINAL

Well		Field		Service Date		Customer		Job Number	
Hubbard B #4		Hugoton				IOCO PRODUCTION COMP		20773554	
Time	CumVol	Density	Pressure U/I	Total Flowrate				Message	
24 hr clock	bbl	ppg	psi	bpm					
21:01	55.53	8.35	96.15	5.7	0	0	0	Reset Volume	
21:01	55.53	8.35	96.15	5.7	0	0	0	[CumVol]=57.35	
21:01	0.957	8.24	114.5	5.7	0	0	0		
21:01	3.75	8.2	91.58	3.94	0	0	0		
21:02	4.77	8.23	73.26	1.85	0	0	0		
21:02	5.7	8.19	87.	1.85	0	0	0		
21:03	6.69	8.14	91.58	1.96	0	0	0		
21:03	7.67	8.11	105.3	1.96	0	0	0		
21:04	8.65	8.09	114.5	1.96	0	0	0		
21:04	9.64	8.07	119.	1.96	0	0	0		
21:05	10.62	8.07	132.8	1.93	0	0	0		
21:05	11.6	8.01	146.5	1.96	0	0	0		
21:06	12.59	8.19	151.1	1.96	0	0	0		
21:06	13.57	8.15	160.3	1.96	0	0	0		
21:07	14.55	8.13	164.8	1.96	0	0	0		
21:07	15.53	8.12	174.	1.93	0	0	0		
21:08	16.52	8.09	183.2	1.96	0	0	0	RECEIVED SEP 24 2001 KCC WICHITA	
21:08	17.3	8.	801.3	0.	0	0	0		
21:09	17.3	8.32	805.9	0.	0	0	0		
21:09	17.3	8.36	13.74	0.	0	0	0		
21:10	17.3	8.39	22.89	0.	0	0	0		
21:10	17.3	0.015	22.89	0.	0	0	0		
21:11	17.3	0.	13.74	0.	0	0	0		
21:11	17.3	-0.008	27.47	0.	0	0	0		
21:12	17.3	0.	36.63	0.	0	0	0		
21:12	17.3	-0.008	22.89	0.	0	0	0		
21:13	17.3	-0.008	22.89	0.	0	0	0	bump plug	
21:13	17.3	-0.008	22.89	0.	0	0	0	disp 35 calc 35	
21:13	17.3	0.	22.89	0.	0	0	0		
21:13	17.3	0.	22.89	0.	0	0	0	cmt circ 25 bbls	
21:13	17.3	0.	22.89	0.	0	0	0	plug down 0910	
21:13	17.3	0.	22.89	0.	0	0	0	STOP PLAYBACK	

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2	
0	0	0	0		0	0	0	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
0	0	0	0	0		0 bbl	0 lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	☒ Cement Circulated to Surface? Volume		☒ Job Completed			
0 %	0 bbl	0 bbl	°F	☐ Washed Thru Perfs To 0 ft					
Customer or Authorized Representative			Dowell Supervisor			☐ Circulation Lost			
Spanky Spohn			Shubhanan Dakshindas						

ORIGINAL

Schlumberger

Service Order

18-Jun-01

Customer AMOCO PRODUCTION COMPANY		Person Taking Call David Brawley		Dowell Location Ulysses, KS		Order Date 6/18/01		Job Number 20223554							
Well Name and Number Hubbard B 4			Legal Location Sec.		Field Hugoton		County Morton		State/Province Kansas						
Rig Name			Well Age New		Sales Engineer Rich Sarver			Job Type Cem Surface Casing							
Time Well Ready: 6/18/01 6:00 PM		Deviation 0		Bit Size 0 in		Well MD 560 ft		Well TVD 560 ft		BHP 0 psi					
								BHST 75 °F		BHCT 70 °F					
Treat Down Casing		Packer Type None		Packer Depth 0 ft		Wellhead Connection Single cement head		MHP on Location 0		Max Allowed Pressure 1000					
										Max Allowed Ann Pressure 0					
Casing						Services Instructions: Safely deliver & perform Surface Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.									
Depth, ft		Size, in		Weight, lb/ft								Grade		Thread	
560		8.63		24											
0		0		0											
0		0		0											
Tubing						Extra Equipment: 4 1/2 Auto Fill Shoe 4 1/2 Centralizers (6)									
Depth, ft		Size, in		Weight, lb/ft								Grade		Thread	
0		0		0											
0		0		0											
0		0		0											
Perforated Intervals						RECEIVED SEP 24 2001 KCC WICHITA									
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
Spanky Spohn	316-356-1237	316-353-6574		

Notes:

8 5/8 TX Pattern Guide Shoe
 8 5/8 Auto Fill Insert
 8 5/8 Centralizers (4)
 8 5/8 Top Rubber Plug
 Thread Lock Kit

Directions:

UKS Hwy 160 11 west, 13 south, 1/2 west, 2 south, 1 west, 1 1/4 south, east & north into.

Other Notes:

Comments:

Fluid Systems:

Lead			
185 sks 35/65 Poz/Class C + 6 % BWOB D020 + 2 % BWOB S001 + 0.25 lbs/sk D029 +			
Density:	12.3 lb/gal	Thickening Time:	
Yield:	2.1 ft ³ /sk	Viscosity:	cp
H2O Mix:	11.97 gal/sk	Break Time:	
H2O:	2214.45 gal	Eq. Sack Weight:	88.75 lb
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	46.25	
S001	2 % BWOB	328.375	
D020	6 % BWOB	985.125	
D132	27.65 lbs/sk	5115.25	
D903	61.1 lbs/sk	11303.5	

RECEIVED

SEP 24 2001

KCC WICHITA

Tail			
150 sks Class C + 2 % BWOB S001 + 0.25 lbs/sk D029 +			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.32 ft ³ /sk	Viscosity:	cp
H2O Mix:	6.32 gal/sk	Break Time:	
H2O:	948 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	37.5	
S001	2 % BWOB	282	
D903	94 lbs/sk	14100	

Well		Location (legal)		Customer		Job Number	
Hubbard B 4		Sec.		CHEYENNE DRILLING		20224224	
Field		Formation Name/Type		Deviation		Well MD	
Hugoton				0		2,191 ft	
County		State/Province		BHP		Well TVD	
Morton		Kansas		0 psi		2,191 ft	
Rig Name		Drilled For		BHST		BHCT	
		Gas		80 °F		75 °F	
Service Via		Well Type		Pore Press. Gradient			
Land		Development		0 psi/ft			
Offshore Zone		Well Class		Casing/Liner			
		New					
Drilling Fluid Type		Max. Density		Depth, ft			
		0 lb/gal		0			
Service Line		Job Type		Size, in			
Cementing		Plug & Abandon		0			
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Weight, lb/ft			
1000 psi		0 psi		16.6			
Wellhead Connection		Grade				Thread	
4 1/2" XH DP pin		0				0	
Service Instructions		Tubing/Drill Pipe					
Safely deliver & perform Plug to Abandon with materials & equipment listed on the Service Receipt. Per clients instructions.		Depth, ft				Size, in	
		770				4.5	
		0				0	
		Weight, lb/ft				Grade	
		16.6				0	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Perforations/Open Hole			
1000 psi		0 psi		Top, ft			
Wellhead Connection		Bottom, ft				spt	
4 1/2" XH DP pin		0				0	
Service Instructions		No. of Shots				Total Interval	
Safely deliver & perform Plug to Abandon with materials & equipment listed on the Service Receipt. Per clients instructions.		0				0 ft	
		0				Diameter	
		0				0 in	
		Treat Down				Displacement	
		Drill Pipe				3 bbl	
Tubing Vol.		Casing Vol.		Packer Type		Packer Depth	
11 bbl		0 bbl		None		0 ft	
Annular Vol.		Open Hole Vol					
31.2 bbl		0 bbl					
Casing/Tubing Secured ☒		1 Hole Volume Circulated prior to Cementing ☐		Casing Tools			
Lift Pressure: psi		Pipe Rotated ☐		Pipe Reciprocated ☐		Squeeze Job	
Shoe Type:		Shoe Depth:		Tool Type:		Squeeze Type	
0 ft		0 ft		Tool Depth:		0 ft	
Stage Tool Type		Stage Tool Depth:		Tail Pipe Size:		0 in	
0 ft		0 ft		Tail Pipe Depth:		0 ft	
Collar Type:		Collar Depth:		Seq Total Vol:		0 bbl	
ft		ft		0 bbl			
Job Scheduled For:		Arrived on Location:		Leave Location:		Message	
6/21/01 19:00		6/21/01 23:00					
Time	CumVol	Density	Pressure U1	Reset Vol	TotFlowrate		
24 hr clock	bbl	ppg	psi	bbl	bpm		
20:36	0.	-6.25	-3773	0.	0.	0	0
20:36	0	0	0	0	0	0	0
20:36	0.	-6.25	-3773	0.	0.	0	0
20:37	0.	8.32	-9.16	0.	0.	0	0
20:37	0.	8.32	-4.58	0.	0.	0	0
20:38	0.	8.32	-9.16	0.	0.	0	0
20:38	0.	8.32	-9.16	0.	0.	0	0
20:39	0.308	8.33	64.1	0.308	5.11	0	0
20:39	2.68	8.31	96.15	2.68	5.25	0	0
20:40	5.33	8.3	96.15	5.33	5.31	0	0
20:40	7.99	8.3	109.9	7.99	5.25	0	0
20:41	7.99	8.3	109.9	7.99	5.25	0	0
20:41	7.99	8.3	109.9	7.99	5.25	0	0
20:41	7.99	8.3	109.9	7.99	5.25	0	0
20:41	1.12	9.44	119.	10.52	4.26	0	0
20:41	3.52	13.51	100.7	12.92	3.88	0	0
20:42	5.46	14.	137.4	14.86	3.88	0	0
20:42	7.41	13.74	128.2	16.81	3.82	0	0
20:43	9.33	13.61	119.	18.74	3.84	0	0
20:43	11.26	13.76	100.7	20.66	3.84	0	0
20:44	13.19	13.92	114.5	22.59	3.88	0	0
20:44	15.16	13.73	91.58	24.56	3.94	0	0

ORIGINAL

Well			Field			Service Date		Customer	Job Number
Hubbard B #4			Hugoton					CHEYENNE DRILLING	20224224
Time	CumVol	Density	Pressure UI	Reset Vol	Total Flowrate	Message			
24 hr clock	bbl	ppg	psi	bbl	bpm				
20:45	17.15	13.57	114.5	26.55	3.96	0	0		
20:45	19.13	13.72	119.	28.53	3.94	0	0		
20:46	21.1	13.86	114.5	30.5	3.92	0	0		
20:46	23.01	13.96	119.	32.41	3.72	0	0		
20:47	24.85	13.74	151.1	34.25	3.68	0	0		
20:47	24.85	13.74	151.1	34.25	3.68	0	0	[CumVol]=26.72 bbl	
20:47	24.85	13.74	151.1	34.25	3.68	0	0	Reset Volume	
20:47	0.	13.51	100.7	36.19	4.	0	0		
20:47	0.	13.51	100.7	36.19	4.	0	0	Start Displacement	
20:48	1.44	8.82	59.52	37.63	3.46	0	0		
20:48	3.56	8.35	59.52	39.75	4.48	0	0		
20:49	3.85	8.35	-13.74	40.04	0.	0	0		
20:49	3.85	8.35	-4.58	40.04	0.	0	0		
20:50	3.85	8.35	-9.16	40.04	0.	0	0		
20:50	3.85	8.36	-9.16	40.04	0.	0	0		
20:51	3.85	8.36	-9.16	40.04	0.	0	0	Shutdown	
20:51	3.85	8.36	-9.16	40.04	0.	0	0	STOP ACQUISITION	
22:04	3.85	8.36	-9.16	40.04	0.	0	0	START ACQUISITION	
22:04	4.12	-6.25	-3773	40.31	0.	0	0		
22:05	4.22	8.59	77.84	40.41	2.16	0	0		
22:05	4.22	8.59	77.84	40.41	2.16	0	0	Batch mixing cement	
22:05	5.62	9.75	73.26	41.81	2.82	0	0		
22:06	6.87	8.81	-9.16	43.06	0.46	0	0		
22:06	6.88	8.68	-9.16	43.07	0.	0	0		
22:07	6.88	8.69	-9.16	43.07	0.	0	0		
22:07	6.88	8.7	-9.16	43.07	0.	0	0		
22:08	6.88	8.71	-9.16	43.07	0.	0	0		
22:08	6.88	8.71	-4.58	43.07	0.	0	0		
22:09	6.88	8.71	-9.16	43.07	0.	0	0		
22:09	6.88	8.71	-9.16	43.07	0.	0	0		
22:10	7.04	9.49	-4.58	43.23	0.	0	0		
22:10	7.62	10.26	-9.16	43.81	1.96	0	0		
22:11	8.16	11.79	-4.58	44.35	2.08	0	0		
22:11	8.66	11.84	-4.58	44.85	0.	0	0		
22:11	8.66	11.84	-4.58	44.85	0.	0	0	Start Cement Slurry	
22:11	8.66	11.84	-4.58	44.85	0.	0	0	[CumVol]=8.738 bbl	
22:11	8.66	11.84	-4.58	44.85	0.	0	0	Reset Volume	
22:12	0.061	11.78	-9.16	44.99	0.2	0	0		
22:12	1.7	11.74	87.	46.63	4.1	0	0		
22:13	1.7	11.74	87.	46.63	4.1	0	0	[CumVol]=3.417 bbl	
22:13	1.7	11.74	87.	46.63	4.1	0	0	Reset Volume	
22:13	1.7	11.74	87.	46.63	4.1	0	0	Start Pumping Water	
22:13	0.267	8.95	59.52	48.68	4.	0	0		
22:13	0.267	8.95	59.52	48.68	4.	0	0	Shutdown	

RECEIVED

SEP 24 2001

KCC WICHITA

ORIGINAL

Well		Field		Service Date		Customer		Job Number	
Hubbard B #4		Hugoton				CHEYENNE DRILLING		20224224	
Time	Conc/Vol	Density	Pressure U1	Reset Vol	Total Flowrate	Message			
24 hr clock	bbl	ppg	psi	bbl	bpm				
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		30	0	10	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density	
187	0	100	0	0		0 bbl		0 lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	☒ Cement Circulated to Surface?	Volume		1 bbl	
0 %	29.5 bbl		3 bbl	°F	☐ Washed Thru Perfs	To		0 ft	
Customer or Authorized Representative			Dowell Supervisor		Brennon Fica		☐ Circulation Lost		☒ Job Completed
Domaso Castillas									

RECEIVED

SEP 24 2001

KCC WICHITA