

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 5293
 Name: Helmerich & Payne, Inc.
 Address: 1579 E. 21st Street
 City/State/Zip: Tulsa, OK 74114
 Purchaser: _____
 Operator Contact Person: Sharon LaValley
 Phone: (918) 742-5531
 Contractor: Name: Cheyenne Drilling
 License: 5382
 Wellsite Geologist: _____

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API No. 15 - 093-21693-00-00
 County: Kearny
SE SW SE Sec. 14 Twp. 26 S. R. 35 East West
330 feet from S N (circle one) Line of Section
1440 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: USA Well #: B-4
 Field Name: Pleasant Prairie
 Producing Formation: St. Louis
 Elevation: Ground: 2998' Kelly Bushing: 3009'
 Total Depth: 6200' Plug Back Total Depth: 5271'
 Amount of Surface Pipe Set and Cemented at 1868 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 3060 Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

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/Re-entry: Old Well Info as follows:

Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
01/03/02 01/16/02 02/16/02
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

Drilling Fluid Management Plan *OKT KGR 1/14/08*
 (Data must be collected from the reserve pit)
 Chloride content 6000 ppm Fluid volume ext 2000 bbls
 Dewatering method used evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: K&L Tank Truck Service
 Lease Name: Morris B1 SWD License No.: 8757
 Quarter 19 Sec. 24 Twp. 24 S. R. 31 East West
 County: Finney Docket No.: D16812

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 of 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 completed and correct to the best of my knowledge.

Signature: Sharon LaValley
 Title: Engineer Tech Date: 3/5/02
 Subscribed and sworn to before me this 5th day of March
 2002.
 Notary Public: Amy Warren

KCC Office Use Only

_____ Letter of Confidentiality Attached
 _____ If Denied, Yes Date: _____
 _____ Wireline Log Received
 _____ Geologist Report Received
 _____ UIC Distribution

Date Commission Expires: _____
 Notary Public Oklahoma
OFFICIAL SEAL
 AMY WARREN
 ROGERS COUNTY

4/9/05

X

Operator Name: Helmerich & Payne, Inc. Lease Name: USA Well #: B-4
 Sec. 14 Twp. 26 S. R. 35 East West County: Kearny

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Takes Yes No
 Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top Datum
Base Stone Corral	1876'
Winfield	2566'
Heebner	3833'
Lansing	3883'
Kansas City	4280'
Atoka	4816'
Morrow	4890'
St. Gen	4998'
St. Louis	5068'

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#	1868	35/65 LP3 Class G	640	6% D20 Bent + 2% Sq CaCl + 1/4#/sx D25 Flocele
					Class C	150	2% S1CaCl + 1/4#/sx Flocele
Production	5 1/2"	7 7/8"	14#	5342	50/50 Poz Prem	400	5% CaCl 60 + .5% Halad-322 + 10% Sit + 5 ppg gilsonite
					MidCon2 Prem Plus	210	2% CaCl2 + 1/8 ppg Poly-E-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				

Shot Per Foot	PERFORATIONS RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	St. Louis "B" 5070-5074	3000 gals 17% Stimulation Acid + 4000 gals 30# water Frac G. Flush w/1500 gals 2% KCL wtr + 1 gal Lo-Surf 300	
4	St. Louis "C" 5129-5133	3000 gals 17% Stimulation Acid + 4000 gals 30# water Frac G. Flush w/1500 gals 2% KCL wtr + 1 gal Lo-Surf 300	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"		5166		

Date of First, Resumed Production, SWD or Enhance	Producing Method
2/17/02	<input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
	17		14		

Disposition of Gas Vented Sold Used on Lease (If Vented, Submit ACO-18) Open Hole Perf. Dually Comp. Commingled 5070-5133 Other (Specify) _____

Well		Location (legal)		Dwell Location		Job Start			
Helmerich & Payne U S A #B-4				Ulysses, KS		2002-Jan-05			
Field		Formation Name/Type		Deviation		Well MD			
				In		1,872 ft			
County		State/Province		BHP		Well TVD			
Kearney		KS		psi		1,872 ft			
Rig Name		Drilled For		Service Via		Casing/liner			
Cheyenne Rig 5		Oil & Gas		Land					
Offshore Zone		Well Class		Well Type		Depth, ft			
		New		Exploration		1871			
Drilling Field Type		Max. Density		Plastic Viscosity		Size, in			
Other		9 lb/gal		32 cp		8.63			
Service Use		Job Type		Weight, lb/ft		Grade			
Cementing		Cem Surface Casing		24		K55			
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Thread			
psi		psi		8 5/8 HEAD		BRD			
Service Instructions		Performance Chart/Notes		Top, ft		Bottom, ft			
Safety Cement Surface Casing per customers request.						psi			
						No. of Shots			
						Total Interval			
						ft			
						Diameter			
						in			
						Packer Depth			
						ft			
						Open Hole Vol			
						bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 650 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Auto-FWI			
						Squeeze Type			
No. Centralizers: 5		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 1827 ft			
Cement Head Type: Single		Job Scheduled For: 2002-Jan-05 3:10		Arrived on Location: 2002-Jan-05 15:30		Leave Location:			
						Stage Tool Type:			
						Tool Depth: ft			
						Stage Tool Depth: ft			
						Tail Pipe Size: in			
						Collar Type:			
						Tail Pipe Depth: ft			
						Collar Depth: ft			
						Seq Total Vol: bbl			
Date	Time	Pressure	Pump Rate	Density	Moisture	0	0	0	Message
2002-Jan-05	12:50	-10	0.0	8.33	0.0	0	0	0	
2002-Jan-05	12:51	-10	0.0	8.41	0.0	0	0	0	
2002-Jan-05	12:51	-10	0.0	8.44	0.0	0	0	0	
2002-Jan-05	12:52	-5	0.1	8.41	0.0	0	0	0	
2002-Jan-05	12:52	1002	0.0	8.35	0.2	0	0	0	
2002-Jan-05	12:53	1597	0.0	8.35	0.2	0	0	0	
2002-Jan-05	12:53	1555	0.0	8.34	0.2	0	0	0	
2002-Jan-05	12:54	-1	0.0	8.34	0.2	0	0	0	
2002-Jan-05	12:54	-15	0.0	8.33	0.2	0	0	0	
2002-Jan-05	12:55	-15	0.0	8.33	0.2	0	0	0	
2002-Jan-05	12:55	-15	0.0	8.33	0.2	0	0	0	
2002-Jan-05	12:56	-15	0.0	8.33	0.2	0	0	0	
2002-Jan-05	12:56	59	4.0	8.34	1.6	0	0	0	
2002-Jan-05	12:57	68	4.0	8.33	3.6	0	0	0	
2002-Jan-05	12:57	49	4.0	8.33	5.6	0	0	0	
2002-Jan-05	12:58	63	4.0	8.32	7.6	0	0	0	
2002-Jan-05	12:58	40	4.0	8.32	9.5	0	0	0	
2002-Jan-05	12:59	-19	0.0	8.33	10.7	0	0	0	
2002-Jan-05	12:59	-10	0.0	8.35	10.7	0	0	0	
2002-Jan-05	13:00	-5	0.0	8.36	10.7	0	0	0	
2002-Jan-05	13:00	-10	0.0	8.36	10.7	0	0	0	
2002-Jan-05	13:00								Reset Total, Vol = 10.73 bbl

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Well		Service Date				Customer			Job Number
Heimerich & Payne #U S A #B-4		025-Jan-05				CHEYENNE DRILLING			220130776
Date	Time	Flowing Pressure	Flow Rate	Density	Volume	Sp	Sp	Sp	Message
2002-Jan-05	13:00								Start Pumping Spacer
2002-Jan-05	13:00	-5	0.0	8.44	10.7	0	0	0	
2002-Jan-05	13:01	-5	0.0	9.20	10.7	0	0	0	
2002-Jan-05	13:01	-5	0.0	11.56	10.7	0	0	0	
2002-Jan-05	13:02								End Spacer
2002-Jan-05	13:02	-5	0.0	12.30	10.7	0	0	0	
2002-Jan-05	13:02	-10	0.0	12.30	10.7	0	0	0	
2002-Jan-05	13:03	-5	0.0	12.30	10.7	0	0	0	
2002-Jan-05	13:03	-5	0.0	12.30	10.7	0	0	0	
2002-Jan-05	13:04	-5	0.0	12.29	10.7	0	0	0	
2002-Jan-05	13:04	-5	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:05	-10	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:05	-5	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:06	45	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:06								Reset Total, Vol = 0.00 bbl
2002-Jan-05	13:06	45	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:06								Reset Total, Vol = 0.00 bbl
2002-Jan-05	13:06	49	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:07	49	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:07								Start Mixing Lead Slurry
2002-Jan-05	13:07	49	0.0	12.28	10.7	0	0	0	
2002-Jan-05	13:07	54	0.0	13.69	10.7	0	0	0	
2002-Jan-05	13:08	49	0.0	12.73	10.7	0	0	0	
2002-Jan-05	13:08	54	3.2	12.55	11.1	0	0	0	
2002-Jan-05	13:09	123	4.6	12.48	13.3	0	0	0	
2002-Jan-05	13:09	159	5.8	12.33	15.9	0	0	0	
2002-Jan-05	13:10	141	5.4	12.30	18.6	0	0	0	
2002-Jan-05	13:10	148	5.4	12.55	21.4	0	0	0	
2002-Jan-05	13:11	141	5.4	12.65	24.1	0	0	0	
2002-Jan-05	13:11	132	5.4	12.90	26.8	0	0	0	
2002-Jan-05	13:12	155	5.4	12.79	28.4	0	0	0	
2002-Jan-05	13:12	136	5.4	12.50	32.1	0	0	0	
2002-Jan-05	13:13	155	5.4	12.41	34.8	0	0	0	
2002-Jan-05	13:13	148	5.4	12.49	37.5	0	0	0	
2002-Jan-05	13:14	136	5.4	12.59	40.2	0	0	0	
2002-Jan-05	13:14	91	4.9	12.75	42.8	0	0	0	
2002-Jan-05	13:15	104	4.9	12.87	45.2	0	0	0	
2002-Jan-05	13:15	114	4.9	12.79	47.6	0	0	0	
2002-Jan-05	13:16	91	4.9	12.46	50.1	0	0	0	
2002-Jan-05	13:16	86	4.9	12.16	52.5	0	0	0	
2002-Jan-05	13:17	100	4.9	12.29	55.0	0	0	0	
2002-Jan-05	13:17	146	5.3	12.62	57.6	0	0	0	
2002-Jan-05	13:18	150	5.3	12.51	60.3	0	0	0	
2002-Jan-05	13:18	155	5.4	12.65	63.0	0	0	0	
2002-Jan-05	13:19	114	5.4	12.71	65.7	0	0	0	
2002-Jan-05	13:19	114	5.4	12.56	68.4	0	0	0	
2002-Jan-05	13:20	148	5.4	12.50	71.1	0	0	0	
2002-Jan-05	13:20	150	5.4	12.31	73.8	0	0	0	
2002-Jan-05	13:21	173	5.9	12.54	76.0	0	0	0	
2002-Jan-05	13:21	86	4.7	12.55	78.5	0	0	0	
2002-Jan-05	13:22	95	5.0	12.34	81.0	0	0	0	
2002-Jan-05	13:22	95	5.0	12.41	83.5	0	0	0	
2002-Jan-05	13:23	155	5.6	12.54	86.1	0	0	0	

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Well			Service Date				Customer			Job Number
Helmerich & Payne #U S A #B-4			025-Jan-05				CHEYENNE DRILLING			2046
Date	Time	Weight Pressure	Flow Rate	Temp	Yield	Sp. Gr.	Sp. Gr.	Sp. Gr.	Sp. Gr.	
2002-Jan-05	13:23	146	5.6	12.84	88.9	0	0	0		
2002-Jan-05	13:24	155	5.6	13.08	81.7	0	0	0		
2002-Jan-05	13:24	150	5.6	12.86	94.5	0	0	0		
2002-Jan-05	13:25	159	5.6	11.82	97.3	0	0	0		
2002-Jan-05	13:25	77	5.0	11.67	98.9	0	0	0		
2002-Jan-05	13:26	114	5.0	11.92	102.4	0	0	0		
2002-Jan-05	13:26	109	5.0	12.13	104.9	0	0	0		
2002-Jan-05	13:27	123	5.0	12.33	107.4	0	0	0		
2002-Jan-05	13:27	95	5.0	12.32	109.9	0	0	0		
2002-Jan-05	13:28	148	5.4	12.43	112.4	0	0	0		
2002-Jan-05	13:28	146	5.4	12.53	115.1	0	0	0		
2002-Jan-05	13:29	123	5.4	12.60	117.8	0	0	0		
2002-Jan-05	13:29	141	5.4	12.86	120.5	0	0	0		
2002-Jan-05	13:30	95	5.4	12.27	123.2	0	0	0		
2002-Jan-05	13:30	72	5.0	12.43	125.8	0	0	0		
2002-Jan-05	13:31	127	5.0	12.62	128.2	0	0	0		
2002-Jan-05	13:31	108	5.4	12.65	130.9	0	0	0		
2002-Jan-05	13:32	136	5.4	12.62	133.6	0	0	0		
2002-Jan-05	13:32	114	5.4	12.40	136.3	0	0	0		
2002-Jan-05	13:33	146	5.4	12.52	139.0	0	0	0		
2002-Jan-05	13:33	150	5.4	12.44	141.8	0	0	0		
2002-Jan-05	13:34	155	5.4	12.32	144.5	0	0	0		
2002-Jan-05	13:34	132	5.4	12.33	147.2	0	0	0		
2002-Jan-05	13:35	49	3.5	12.03	149.9	0	0	0		
2002-Jan-05	13:35	114	5.6	12.17	151.1	0	0	0		
2002-Jan-05	13:36	109	5.0	12.12	153.7	0	0	0		
2002-Jan-05	13:36	127	5.0	12.23	156.2	0	0	0		
2002-Jan-05	13:37	114	5.1	12.37	158.8	0	0	0		
2002-Jan-05	13:37	141	5.6	12.35	161.5	0	0	0		
2002-Jan-05	13:38	168	5.6	12.51	164.3	0	0	0		
2002-Jan-05	13:38	159	5.5	12.69	167.1	0	0	0		
2002-Jan-05	13:39	132	5.2	12.66	169.8	0	0	0		
2002-Jan-05	13:39	150	5.2	12.77	172.4	0	0	0		
2002-Jan-05	13:40	164	5.2	12.71	175.0	0	0	0		
2002-Jan-05	13:40	150	5.2	12.57	177.6	0	0	0		
2002-Jan-05	13:41	148	5.2	12.38	180.2	0	0	0		
2002-Jan-05	13:41	136	5.2	12.33	182.9	0	0	0		
2002-Jan-05	13:42	68	5.2	12.37	185.5	0	0	0		
2002-Jan-05	13:42	159	5.4	12.37	188.2	0	0	0		
2002-Jan-05	13:43	132	5.3	12.43	190.8	0	0	0		
2002-Jan-05	13:43	146	5.3	12.52	193.5	0	0	0		
2002-Jan-05	13:44	184	5.3	12.63	196.2	0	0	0		
2002-Jan-05	13:44	136	5.3	12.50	198.8	0	0	0		
2002-Jan-05	13:45	150	5.3	12.21	201.6	0	0	0		
2002-Jan-05	13:45	118	5.3	12.11	204.3	0	0	0		
2002-Jan-05	13:46	155	5.3	12.30	206.9	0	0	0		
2002-Jan-05	13:46	141	5.3	12.40	209.6	0	0	0		
2002-Jan-05	13:47	146	5.0	12.50	212.2	0	0	0		
2002-Jan-05	13:47	168	5.0	12.41	214.7	0	0	0		
2002-Jan-05	13:48	95	4.9	12.47	217.2	0	0	0		
2002-Jan-05	13:48	159	4.9	12.53	219.7	0	0	0		
2002-Jan-05	13:48	132	4.9	12.63	222.1	0	0	0		
2002-Jan-05	13:49								End Lead Slurry	
2002-Jan-05	13:49	104	4.1	12.60	222.7	0	0	0		

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Well		Service Data				Customer			Job Number
Helmerich & Payne #U SA #B-4		025-Jan-05				CHEYENNE DRILLING			2044878
Date	Time	Stroke Pressure	Flow Rate	Density	Volume	Stroke	Stroke	Stroke	Message
2002-Jan-05	13:49	45	4.4	12.59	222.7	0	0	0	
2002-Jan-05	13:49								Start Mixing Tail Slurry
2002-Jan-05	13:49	54	2.4	12.46	223.8	0	0	0	
2002-Jan-05	13:50	63	2.4	13.94	224.8	0	0	0	
2002-Jan-05	13:50	68	2.6	14.91	226.1	0	0	0	
2002-Jan-05	13:51	178	5.0	14.78	228.3	0	0	0	
2002-Jan-05	13:51	141	4.5	14.82	230.7	0	0	0	
2002-Jan-05	13:52	141	4.5	14.93	232.9	0	0	0	
2002-Jan-05	13:52	200	4.5	14.80	235.2	0	0	0	
2002-Jan-05	13:53	173	5.1	14.83	237.6	0	0	0	
2002-Jan-05	13:53	196	5.2	14.69	240.1	0	0	0	
2002-Jan-05	13:54	198	5.1	14.78	242.7	0	0	0	
2002-Jan-05	13:54	178	5.0	14.98	245.2	0	0	0	
2002-Jan-05	13:55	168	5.0	15.10	247.8	0	0	0	
2002-Jan-05	13:55	182	5.1	15.08	250.3	0	0	0	
2002-Jan-05	13:56	173	5.0	15.07	252.8	0	0	0	
2002-Jan-05	13:58	173	5.1	15.04	255.4	0	0	0	
2002-Jan-05	13:57	59	0.7	14.65	257.9	0	0	0	
2002-Jan-05	13:57	-5	0.0	14.63	257.9	0	0	0	
2002-Jan-05	13:58	210	6.0	14.72	259.6	0	0	0	
2002-Jan-05	13:58	-1	0.0	14.65	261.1	0	0	0	
2002-Jan-05	13:58								End Tail Slurry
2002-Jan-05	13:58								Drop Top Plug
2002-Jan-05	13:58	-5	0.0	14.65	261.1	0	0	0	
2002-Jan-05	13:58	-5	0.0	14.65	261.1	0	0	0	
2002-Jan-05	13:59	-5	0.0	14.65	261.1	0	0	0	
2002-Jan-05	13:59								Start Displacement
2002-Jan-05	13:59	-10	0.0	13.88	261.1	0	0	0	
2002-Jan-05	13:59	-10	0.0	13.85	261.1	0	0	0	
2002-Jan-05	14:00	54	5.3	8.84	263.2	0	0	0	
2002-Jan-05	14:00								Reset Total, Vol = 253.72 bbl
2002-Jan-05	14:00	27	5.3	8.70	264.5	0	0	0	
2002-Jan-05	14:00	63	5.3	8.67	265.9	0	0	0	
2002-Jan-05	14:01	38	5.3	8.35	268.5	0	0	0	
2002-Jan-05	14:01	27	5.3	8.34	271.2	0	0	0	
2002-Jan-05	14:02	45	5.3	8.41	273.9	0	0	0	
2002-Jan-05	14:02	31	5.3	8.37	276.6	0	0	0	
2002-Jan-05	14:03	54	5.3	8.34	279.2	0	0	0	
2002-Jan-05	14:03	68	5.3	8.35	281.9	0	0	0	
2002-Jan-05	14:04	63	5.3	8.35	284.5	0	0	0	
2002-Jan-05	14:04	86	5.3	8.34	287.1	0	0	0	
2002-Jan-05	14:05	109	5.2	8.34	289.7	0	0	0	
2002-Jan-05	14:05	118	5.2	8.34	292.4	0	0	0	
2002-Jan-05	14:06	136	5.2	8.34	295.0	0	0	0	
2002-Jan-05	14:06	86	5.2	8.33	297.5	0	0	0	
2002-Jan-05	14:07	159	5.2	8.33	300.1	0	0	0	
2002-Jan-05	14:07	173	5.2	8.33	302.7	0	0	0	
2002-Jan-05	14:08	141	5.1	8.33	305.3	0	0	0	
2002-Jan-05	14:08	168	5.4	8.33	307.9	0	0	0	
2002-Jan-05	14:09	187	5.4	8.33	310.5	0	0	0	
2002-Jan-05	14:09	132	5.3	8.33	313.2	0	0	0	
2002-Jan-05	14:10	187	5.3	8.33	315.8	0	0	0	
2002-Jan-05	14:10	182	5.3	8.33	318.5	0	0	0	
2002-Jan-05	14:11	196	5.2	8.33	321.1	0	0	0	

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Well				Service Date		Customer			Job Number
Helmerich & Payne #U SA #B-4				025-Jan-05		CHEYENNE DRILLING			2002-155276
Date	Time	Pressure	Flow Rate	Density	Volume	Spacers	Mud	N2	Message
2002-Jan-05	14:11	205	5.2	8.33	323.7	0	0	0	
2002-Jan-05	14:12	214	5.2	8.33	328.4	0	0	0	
2002-Jan-05	14:12	228	5.1	8.33	328.9	0	0	0	
2002-Jan-05	14:13	237	5.1	8.33	331.5	0	0	0	
2002-Jan-05	14:13	246	5.2	8.33	334.2	0	0	0	
2002-Jan-05	14:14	265	5.2	8.33	336.8	0	0	0	
2002-Jan-05	14:14	283	5.2	8.33	339.4	0	0	0	
2002-Jan-05	14:15	283	5.1	8.33	342.0	0	0	0	
2002-Jan-05	14:15	306	5.1	8.33	344.5	0	0	0	
2002-Jan-05	14:16	315	5.1	8.33	347.1	0	0	0	
2002-Jan-05	14:18	338	5.1	8.33	349.6	0	0	0	
2002-Jan-05	14:17	352	5.1	8.33	352.1	0	0	0	
2002-Jan-05	14:17	374	5.1	8.33	354.7	0	0	0	
2002-Jan-05	14:18	393	5.0	8.33	357.2	0	0	0	
2002-Jan-05	14:18	406	5.0	8.33	359.7	0	0	0	
2002-Jan-05	14:19	416	4.9	8.33	362.2	0	0	0	
2002-Jan-05	14:19	439	4.9	8.33	364.6	0	0	0	
2002-Jan-05	14:20	443	4.3	8.33	367.0	0	0	0	
2002-Jan-05	14:20	406	2.0	8.33	369.0	0	0	0	
2002-Jan-05	14:21	416	2.0	8.33	370.0	0	0	0	
2002-Jan-05	14:21	434	2.9	8.33	371.3	0	0	0	
2002-Jan-05	14:22	448	2.8	8.33	372.7	0	0	0	
2002-Jan-05	14:22	452	2.8	8.33	374.1	0	0	0	
2002-Jan-05	14:23	461	2.8	8.33	375.5	0	0	0	
2002-Jan-05	14:23	997	0.0	8.33	375.9	0	0	0	
2002-Jan-05	14:24	1002	0.0	8.33	375.9	0	0	0	
2002-Jan-05	14:24	1008	0.0	8.33	375.9	0	0	0	
2002-Jan-05	14:25	-15	0.0	8.33	375.9	0	0	0	
2002-Jan-05	14:25	-15	0.0	8.33	375.9	0	0	0	

Post Job Summary									
Average Pump Rates, bpm				Maximum Rate		Total Slurry		Volume of Fluid Injected, bbl	
Slurry	N2	Mud		6.1	259	Mud	Spacer	N2	
4.9									
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
1000	1000	167	1000			bbl	lb/gal		
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume	50 bbl
%		bbl		116.8 bbl	58 °F	<input checked="" type="checkbox"/> Cement Circulated to Surface? <input type="checkbox"/> Washed Thru Perfs To		To	ft
Customer or Authorized Representative				Downhole Supervisor		Circulation Lost		Job Completed	
on Rig #5, LOU				<i>[Signature]</i>		Strano, Douglas		<input checked="" type="checkbox"/> Job Completed	

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Comments:

1500 gal/1000


1000000000

Fluid Systems:

640 Sacks 35/85 LP3/Class "C" Cement + 6% D20 + 2% S1 + 1/4 lb/sk D29			
Density:	12.2 lb/gal	Thickening Time:	+7 hrs
Yield:	2.17 ft ³ /sk	Viscosity:	cp
H2O Mix:	12 gal/sk	Break Time:	
H2O:	7680 gal	Eq. Sack Weight:	88.75 lb
S001	2 % BWOB		1136
D029	0.25 lbs/sk		160
D020	6 % BWOB		3408
D132	27.65 lbs/sk		17696
D803	61.1 lbs/sk		39104

150 Sacks Class "C" Cement + 2% S1 + 1/4 lb/sk D29			
Density:	14.8 lb/gal	Thickening Time:	+4 hrs
Yield:	1.34 ft ³ /sk	Viscosity:	cp
H2O Mix:	6.33 gal/sk	Break Time:	
H2O:	949.5 gal	Eq. Sack Weight:	94 lb
D029	0.25 lbs/sk		37.5
S001	2 % BWOB		282
D803	94 lbs/sk		14100

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 HALLIBURTON		JOB LOG		TICKET # 1711213	TICKET DATE 01/16/02
REGION NORTH AMERICA LAND		NMA / COUNTRY Mid Continent		SDA / STATE KS	COUNTY FINNEY
MBU ID / EMPL # MCLI0110 106328		H.E.S. EMPLOYEE NAME NICK KORBE		PSL DEPARTMENT Cementing Services	
LOCATION Liberal		COMPANY HELMERICH AND PAYNE		CUSTOMER REP / PHONE DAN HENSLEY	
TICKET AMOUNT \$32,185.26		WELL TYPE GAS		AP/UM #	
WELL LOCATION SW OF GARDEN CITY		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Plug Back	
LEASE NAME USA		Well No. B-4	SEC / TWP / RNG 14-26S-35W	RES FACILITY (CLOSEST TO WELL) LIBERAL	

HRS	RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	RES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	RES EMP NAME/EMP # (EXPOSURE HOURS)
21	Korbe, N - 106328						
21	Clemens, A - 198516						
18	HARPER, KIRBY						

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate (GPM)	Press. (PSI)		Job Description / Remarks
					CSC	Tbg	
	2330						CALLED OUT
	0330						ON LOCATION
							HELD SAFETY MEETING
							SET UP TRUCKS
	0554					2500	TEST LINES
	0555	5.0	0			400	START WATER AHEAD
	0557	6.0	10//0			400	START CEMENT
	0602	8.0	27//0			0	START WATER BEHIND
	0603		3.5//0				START MUD RIG BLEW UP MUD LINE
	0614	7.0	0			150	HOOKUP NEW MUDLINE START MUD
	0625		73.0				PLUG BALANCED
	0630						LAY DOWN D.P.
	1230						RUN CASING
	1500						BREAK CIRCULATION
	1603					2500	TEST LINES
	1604	5.0	0			300	START MUD FLUSH
	1608	6.5	20//0			450	START CEMENT
	1624		104.0				END CEMENT
	1625						WASH PUMP AND LINES
	1629						RELEASE PLUG
	1630	7.0	0			250	START DISPLACEMENT
	1641	6.0				325	CATCH CEMENT
	1647	2.0	119.0			700	SLOW RATE
	1651	2.0	129.0			800/1300	BUMP PLUG
	1652						RELEASE PRESSURE
							FLOAT HELD
	1656						DROP OPENING PLUG
	1710						OPOEN DV TOOL
	2143	2.0	3//3				CIRCULATE 4 HOURS//PLUG R.H. AND M.H.
	2153					2300	TEST LINES
	2154	6.0	0			200	START MUD FLUSH
	2157	6.5	20//0			250	START CEMENT
	2215		121.0				END CEMENT

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COMPANY HELMERICH & PAYNE		OWNER SAME	DATE 1/15/02
BILLING ADDRESS			
CONTRACTOR CHEYENNE #3	API	SEC, TWN, RNG SEC 14 - 26S - 35W	
LEASE USA	WELL NO. B-4	COUNTY/STATE FINNEY/KS	RT MILEAGE 150/75
DIRECTIONS PLYMEL SCHOOL - 1 NORTH - 12 WEST TO RIG SIGN - 2 3/4 SOUTH TO RIG SIGN - 1/2 EAST - 1/4 SOUTH - EAST INTO			

QUOTE: 20774724 S/O - 1711213 KB - 1711214

SURFACE	INTER	LONG STRING YES	LINER	PLUG BACK YES	PTA		
SQUEEZE	WHIPSTOCK	OTHER PLUGBACK AND DV LONGSTRING					
CASING SIZE 5 1/2	WEIGHT 14	THREAD 8RD	PLUG CONT YES	SWAGE YES	CSG SWIVEL	TOP PLUG PLUGSET	BOTTOM PLUG
TBG/DP SIZE 4 1/2	WEIGHT 16.6	THREAD 8RD	TD 6250 FT	% EXCESS 25	MUD WT	HOLE SIZE 7 7/8	
NUMBER AND TYPE TRUCKS WANTED RCM AND BULK				ROUND TRIP BULK TRUCK			

REMARKS **PLUGBACK @ 6250 FT CASING @ 5300 FT DV TOOL @ 3100 FT**

# OF SACKS 100	TYPE 40/60 POZ H	ADDITIVES 6% TOTAL GEL - 1/8# POLYFLAKES
# OF SACKS	TYPE PLUGBACK	ADDITIVES 13.5 LB/GAL - 1.53 CUFT/SK - 7.58 GAL/SK
# OF SACKS 400	TYPE 50/50 POZ H	ADDITIVES 5% CALSEAL-10% SALT-5# GILSONITE-.5% HALAD-322
# OF SACKS 1ST	TYPE STAGE	ADDITIVES 13.85 LB/GAL - 1.47 CUFT/SK - 6.18 GAL/SK
# OF SACKS 235	TYPE MIDCON C	ADDITIVES 2% CC - 1/8# POLYFAKES 11.1# 3.25CF 20.39GAL
# OF SACKS	TYPE	ADDITIVES 25 SACKS TO PLUG RATHOLE AND MOUSEHOLE

SPACER TYPE 40 BBL MUDFLUSH	QUANTITY 20 BBL / STAGE	REMARKS 400 LBS MF-1 AND 18 GALLONS MORFLO
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SPACER TYPE	QUANTITY	REMARKS
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KCL	CLAYFIX II	LO-SURF	CLASTA-XP
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CASING SIZE 5 1/2	CASING WEIGHT 14	THREAD 8RD	GUIDE SHOE	LATCH DOWN PLUG & BAFFLE
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INSERT FLOAT SHOE	FLOAT SHOE SS II	FLOAT COLLAR SS II	INSERT FLOAT
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CENTRALIZER-QTY 24 EACH	SIZE 5 1/2 X 7 7/8	TYPE S-4
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WALL CLEANERS-QTY	TYPE	DV TOOL 1 EA TYPE P ES DV TOOL	DV PLUG SET 1 EA FREEFALL PLUGSET
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LIMIT CLAMPS 1 EACH	WELD-A 2 EACH	CMT BASKET 1 EACH	OTHER CANVAS
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REMARKS

ORDERED BY: MYRON HESTON AND DEAN	TIME OF CALL: 2100
CALL TAKEN BY: DON	TIME READY: RTP 0400 1/16/02
CREW CALLED: KORBE - CLEMENS - BULK	TIME:

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