

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- 081-21298-0000

Operator: License # 5293

County Haskell

Name: Helmerich & Payne, Inc.

SE - SE - SW - NW Sec. 6 Twp. 27S Rge. 34 X E
W

Address 1579 E. 21st Street

2677 Feet from (S) N (circle one) Line of Section

1250 Feet from E (W) (circle one) Line of Section.

City/State/Zip Tulsa, OK 74114

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

Purchaser: _____

Lease Name Curry, Clair Well # 2A

Operator Contact Person: Sharon LaValley

Field Name Hugoton

Phone (918) 742-5531

Producing Formation Chase

Contractor: Name: Cheyenne Drilling

Elevation: Ground 2995' KB 3000'

License: 5382

Total Depth 2935' PBD 2879'

Wellsite Geologist: NONE

Amount of Surface Pipe Set and Cemented at 545 Feet

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well _____ Re-Entry _____ Workover

If Alternate II completion, cement circulated from _____

Oil _____ SWD _____ SLOW _____ Temp. Abd.

feet depth to _____ w/ _____ sx cmt.

X Gas _____ ENHR _____ SIGW

Drilling Fluid Management Plan ALT 2 9/8 8/20/01
(Data must be collected from the Reserve Pit)

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Chloride content _____ ppm Fluid volume 200 est bbls

Operator: _____

Dewatering method used Haul off & evaporation

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Operator Name Helmerich & Payne, Inc.

_____ Plug Back _____ PBD

Lease Name SWD #1 License No. 5293

_____ Commingled _____ Docket No. _____

SW Quarter Sec. 29 Twp. 26 S Rng. 34 E/W

_____ Dual Completion _____ Docket No. _____

County Finney Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

7-13-00 _____ 7-16-00 _____ 9-8-00 _____
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion 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 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 Sharon LaValley

Title Eng. Tech Date 10/30/00

Subscribed and sworn to before me this 30th day of October, 2000.

Notary Public Teressa Jayne Hurd

Date Commission Expires August 17, 2002

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)

RECEIVED
STATE CORPORATION COMMISSION Form ACO-1 (7-91)

NOV 2 2000

X

JAN 1950

SIDE TWO

Operator Name Helmerich & Payne, Inc. Lease Name Curry Well # 2A

Sec. 6 Twp. 27S Rge. 34 East West County Haskell

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.)
 List All E.Logs Run:

Log Formation (Top), Depth and Datums Sample Name Top Datum

GR- N - CCL
CEMENT BOND

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	24#	545'	65/35 Poz C	140 125	6% D20 + 2% S1 + 1/2# D29 2% S1 + 1/4# D39
Production	7 7/8	5 1/2	14#	2927'	35/65 Poz C 50/50 Poz C	400 125	6% Bent D20 + 1/4# Celloflake D29 2% Bent D20 + 10% salt D44 + 1/4#/sx celloflake D29

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 <input checked="" type="checkbox"/> Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		4	Winfield 2662-2672'
4	Herrington 2596-2610	61150# 16/30 sd and 23000 gal 20# x-link gel 70Q N2	

TUBING RECORD		Size	Set At	Packer At	Liner Run
Date of First, Resumed Production, SWD or Inj. 9-3-00		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 0 Bbls	Gas 673 MCF	Water 0 Bbls	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 2596-2672'
 Production Interval: Other (Specify) _____

ORIGINAL

St. Humburger
Dowell

Cementing Service Report

Cheyenne Drilling
Job Number: 20135438

Well: CURRY 2A		Location (Legal): 6-27S-34W		Dowell Location: Ulysses, KS		Job Start: 07/13/2000	
Field: HUGOTON		Formation Name/Type: SURFACE		Deviation: 0		Well Size: 12.3 in	
County: HASKELL		State/Province: KS		BHP: psi		Well MD: 548 ft	
Rig Name: CHEYENNE 8		Drilled For: Gas		Service Via: Land		Perf Pass. Gradient: psi/ft	
Drillers Zone:		Well Class: New		Well Type: Development		Casing/liner:	
Drilling Fluid Type: Bentonite		Max. Density: 9.2 lb/gal		Plastic Viscosity: 34 cp		Tubing/ID (in) Type:	
Service Line: Cementing		Job Type: Cem Surface Casing		Depth, ft: 548		Size, in: 8.625	
Max. Allowed Tubing Pressure: psi		Max. Allowed Ann. Pressure: psi		Wellhead Connection: 8 5/8 HS&M		Perforations/Open Hole:	
Service Instructions: 8 5/8" surface @ 550 ft 140 sk lead @ 12.3 ppg 125 sk tail @ 14.8 ppg				Top, ft		Bottom, ft	
				sq ft		No. of Shells	
				Total Interval: ft		Diameter: in	
				Treat Down Casing: bbl		Displacement: bbl	
				Packer Type: None		Packer Depth: ft	
				Tubing Vol.: bbl		Casing Vol.: bbl	
				Annular Vol.: bbl		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	
LHR Pressure: 225 psi		Pipe Rotted <input type="checkbox"/>		Pipe Re-processed <input type="checkbox"/>		Shoe Type: Guide	
No. Centralizers: 3		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 548 ft	
Cement Head Type: Single		Stage Tool Type		Tool Depth: 0 ft		Squeeze Type	
Job Scheduled For: 07/13/2000		Arrived on Location: 20:30		Leave Location: 23:30		Tool Type:	
						Stage Tool Depth: 0 ft	
						Tail Pipe Size: 0 in	
						Cellar Type: Auto-Fill	
						Tail Pipe Depth: 0 ft	
						Cellar Depth: 504 ft	
						Sqz Total Vol: 0 bbl	
Time	Current	Density	Pressure	Flow	Temperature	Message	
22:13	0.161	8.28	9.16	0.161	0		
22:13	2.04	8.23	128.2	2.04	5.37		
22:14	4.77	8.18	114.5	4.77	5.45		
22:14	7.53	8.2	114.5	7.53	5.54		
22:15	10.32	8.23	119.	10.32	5.54		
22:15	10.32	8.23	119.	10.32	5.54	[Reset Volume]=0 bbl	
22:15	13.08	10.6	155.7	0.458	5.45	Start Mixing Lead Slurry	
22:15	13.08	10.6	155.7	0.458	5.45		
22:16	15.81	11.75	174.	3.18	5.42		
22:16	18.54	12.03	178.6	5.82	5.48		
22:17	21.3	12.48	178.6	8.68	5.48		
22:17	24.06	12.3	174.	11.43	5.48		
22:18	26.78	12.59	169.4	14.15	5.4		
22:18	29.51	12.59	169.4	16.89	5.45		
22:19	32.26	12.48	155.7	19.84	5.45		
22:19	35.01	12.28	148.5	22.39	5.45		
22:20	37.73	12.14	141.9	25.11	5.4		
22:20	40.47	12.18	141.9	27.85	5.45		
22:21	43.21	12.23	141.9	30.58	5.42		
22:21	46.01	12.14	137.4	33.39	5.42		
22:22	48.72	12.43	137.4	36.1	5.34		
22:22	51.48	12.26	141.9	38.86	5.42		

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

Well		Name				Service Date		Customer		Job Number
CURRY #2A		HUGOTON						CHEYENNE DRILLING		2018439
Time	Cardwell	Capacity	Pressure (PSI)	Flow (GPM)	Temp (°F)			Message		
22:23	54.22	12.14	132.8	41.59	5.42	0	0			
22:23	56.94	12.65	151.1	44.31	5.37	0	0			
22:24	59.63	12.51	132.8	47.01	5.31	0	0			
22:24	59.63	12.51	132.8	47.01	5.31	0	0	[Reset Volume]=0 bbl		
22:24	62.33	12.39	137.4	0.	5.4	0	0			
22:25	62.33	12.39	137.4	0.	5.4	0	0	Start Mbdng Tail Slurry		
22:25	65.02	14.19	183.2	2.69	5.28	0	0			
22:25	67.67	14.53	196.9	5.34	5.28	0	0			
22:26	70.3	14.61	201.5	7.97	5.23	0	0			
22:27	72.93	15.12	219.8	10.6	5.26	0	0			
22:27	75.59	14.94	206.	13.27	5.28	0	0			
22:28	78.22	15.48	228.9	15.9	5.2	0	0			
22:28	80.84	15.09	206.	18.51	5.2	0	0			
22:29	83.48	15.04	206.	21.15	5.31	0	0			
22:29	86.15	15.03	201.5	23.83	5.26	0	0			
22:30	88.79	14.97	187.7	26.46	5.28	0	0			
22:30	89.26	14.13	9.16	26.94	0.	0	0			
22:31	89.26	14.01	4.58	26.94	0.	0	0			
22:31	89.26	13.97	9.16	26.94	0.	0	0			
22:32	89.26	14.3	4.58	26.94	0.	0	0			
22:32	89.26	14.36	4.58	26.94	0.	0	0			
22:33	89.26	14.36	4.58	26.94	0.	0	0			
22:33	89.26	14.38	4.58	26.94	0.	0	0			
22:34	89.26	14.37	0.	26.94	0.	0	0			
22:34	89.26	14.4	0.	26.94	0.	0	0			
22:35	89.26	14.38	4.58	26.94	0.	0	0			
22:35	89.55	14.38	18.32	27.22	1.48	0	0			
22:36	91.29	9.93	105.3	28.97	5.93	0	0			
22:36	91.29	9.93	105.3	28.97	5.93	0	0	[Reset Volume]=4 bbl		
22:36	91.29	9.93	105.3	28.97	5.93	0	0	Start Displacement		
22:36	94.38	8.36	87.	5.25	6.18	0	0			
22:37	97.49	8.04	98.15	8.35	6.18	0	0			
22:37	100.6	8.06	100.7	11.45	6.15	0	0			
22:38	103.7	8.16	128.2	14.54	6.12	0	0			
22:38	106.8	8.12	151.1	17.62	6.1	0	0			
22:39	109.8	8.14	178.6	20.69	6.12	0	0			
22:39	112.	8.26	105.3	22.85	2.32	0	0			
22:40	113.1	8.28	119.	23.96	2.21	0	0			
22:40	114.2	8.23	128.2	25.07	2.18	0	0			
22:41	115.3	8.28	123.6	26.17	2.12	0	0			
22:41	116.4	8.26	137.4	27.23	1.99	0	0			
22:42	117.4	8.34	155.7	28.28	2.21	0	0			
22:42	118.5	8.31	160.3	29.38	2.15	0	0			
22:43	119.6	8.32	174.	30.46	2.18	0	0			
22:43	120.7	8.3	178.6	31.56	2.18	0	0			
22:44	121.8	8.28	192.3	32.63	2.12	0	0			
22:44	122.8	8.33	934.1	33.71	1.48	0	0			
22:44	122.8	8.33	934.1	33.71	1.48	0	0	Bump Top Plug		
22:45	122.9	8.26	1067	33.72	0.	0	0			
22:45	122.9	8.33	783.	33.72	0.	0	0			
22:46	122.9	8.31	100.7	33.72	0.	0	0			
22:46	122.9	8.31	45.79	33.72	0.	0	0			
22:47	122.9	8.31	164.8	33.77	0.308	0	0			
22:47	123.2	8.33	189.4	34.06	0.587	0	0			

ORIGINAL

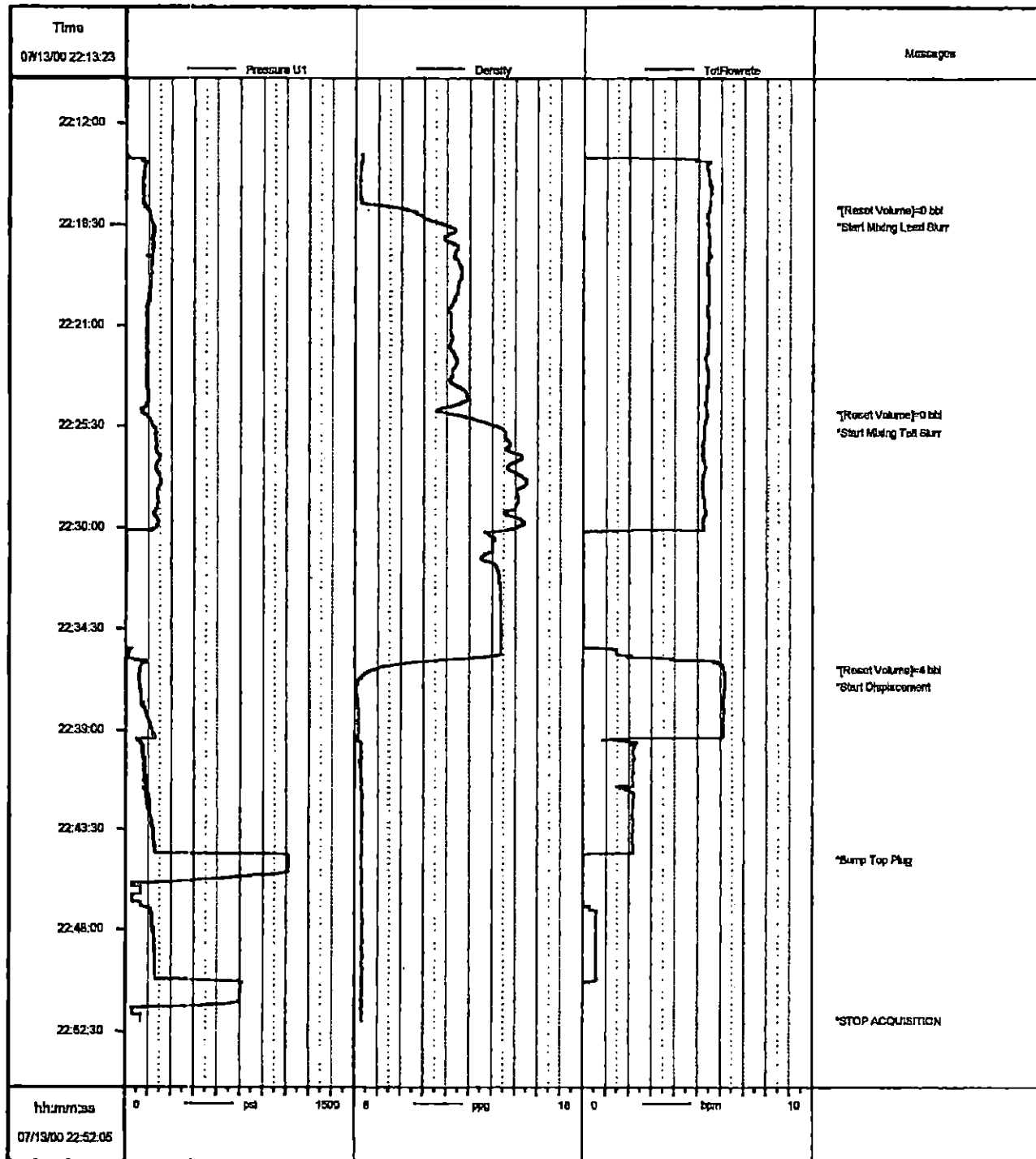
Well		Flow		Service Date		Customer		Job Number	
CURRY #2A		HUGOTON				CHEYENNE DRILLING		20150131	
Time	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow	Message
22:48	123.5	8.33	187.7	34.35	0.587	0	0		
22:48	123.8	8.31	187.7	34.64	0.587	0	0		
22:49	124.1	8.34	192.3	34.93	0.587	0	0		
22:49	124.3	8.34	196.9	35.21	0.589	0	0		
22:50	124.6	8.33	198.9	35.5	0.587	0	0		
22:50	124.7	8.33	755.5	35.58	0.	0	0		
22:51	124.7	8.31	748.3	35.58	0.	0	0		
22:51	124.7	8.31	50.37	35.58	0.	0	0		
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	Hz	Flow	Pressure	Maximum Rate	Total Slurry	Min	Space	Hz	
4	0	0	0	5.5	83	0	10	0	
Treating Pressure Summary, psi					Breakdown Field				
Maximum	Flow	Average	Bump Ping to	Breakdown	Type	Volume	Density		
250	250	200	1100	0		0 bbl	0 lb/gal		
Avg. Hz Permeant	Designed Slurry Volume	Displacement	Mix Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	12 bbl		
0 %	83 bbl	32.1 bbl	70 °F		<input type="checkbox"/> Washed Thru Parts	Te	0 ft		
Customer or Authorized Representative			Dewell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Phil Lloyd			David Brawley						



Cementing Job Report

PRISM V2.23 ORIGINAL

Well	Curry A2	Client	Cheyenne Drilling
Field	Hugoton	SIR No.	20168438
Country	USA	Job Date	07/13/2000 10:13:23 PM



*Mark of Schlumberger

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CONSERVATION DIVISION
Wichita, Kansas

Schlumberger

Dowell

Cementing Service Report

ORIGINAL

Well		Location (legal)		Dowell Location		Job Start										
CURRY 2A		6-27S-34W		Ulysses, KS		07/15/2000										
Field		Formation Name/Type		Deviation		Bit Size		Well MD		Well TVD						
HUGOTON		CHASE		°		7.88 in		2,930 ft		2,930 ft						
County		State/Province		BHP		BHST		BHCT		Pore Press. Gradient						
HASKELL		KS		psi		100 °F		80 °F		psi/ft						
Rig Name		Drilled For		Service Via		Casing/Liner										
CHEYENNE 8		Gas		Land		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread		
Offshore Zone		Well Class		Well Type		2926		5.5		14						
		New		Development												
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe										
		0 lb/gal		0 cp		Depth,		Size, in		Weight, lb/ft		Grade		Thread		
Service Line		Job Type														
Cementing																
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Perforations/Open Hole										
psi		psi		5 1/2 HS&M		Top, ft		Bottom, ft		spf		No. of Shots		Total Interval		
Service Instructions														ft		
5 1/2" longstring @ approximately 2900' depth														Diameter		
10 bbl CW7 ahead of slurry														in		
400 sk lead @ 12.2 ppg														Treat Down		
125 sk tail @ 14.8 ppg														Casing		
														Displacement		
														71 bbl		
														Packer Type		
														None		
														Packer Depth		
														ft		
														Tubing Vol.		
														Casing Vol.		
														70.3 bbl		
														Annular Vol		
														bbl		
														Open Hole Vol		
														bbl		
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job										
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Guide		Squeeze Type						
						Shoe Depth:		2926 ft		Tool Type:						
No. Centralizers: 12		Top Plugs: 1		Bottom Plugs: 0		Stage Tool Type				Tool Depth: 0 ft						
Cement Head Type: Single						Stage Tool Depth: 0 ft				Tail Pipe Size: 0 in						
Job Scheduled For: 07/15/2000 19:00		Arrived on Location: 07/15/2000 19:00		Leave Location: 7/16/2000 1:00		Collar Type: Auto-Fill				Tail Pipe Depth: 0 ft						
						Collar Depth: 2884 ft				Sqz Total Vol: 0 bbl						
Time	Cum/Vol	Density U1	Pressure U1	TotFlowrate	Message											
24 hr clock	bbl	ppg	psi	bpm												
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	START ACQUISITION
23:00	0.	8.34	0.	0.	0	0	0	0	0	0	0	0	0	0	0	
23:00	0.	8.34	0.	0.	0	0	0	0	0	0	0	0	0	0	0	
23:01	0.	8.31	0.	0.	0	0	0	0	0	0	0	0	0	0	0	
23:01	0.	8.31	0.	0.	0	0	0	0	0	0	0	0	0	0	0	Start CW7
23:01	0.	8.24	41.21	0.	0	0	0	0	0	0	0	0	0	0	0	
23:02	0.967	8.26	256.4	3.41	0	0	0	0	0	0	0	0	0	0	0	
23:02	2.68	8.25	261.	3.41	0	0	0	0	0	0	0	0	0	0	0	
23:03	4.38	8.22	247.3	3.24	0	0	0	0	0	0	0	0	0	0	0	
23:03	5.95	8.26	274.7	3.05	0	0	0	0	0	0	0	0	0	0	0	
23:04	7.49	8.25	247.3	3.08	0	0	0	0	0	0	0	0	0	0	0	
23:04	9.06	8.2	261.	3.13	0	0	0	0	0	0	0	0	0	0	0	
23:05	10.63	8.2	265.6	3.08	0	0	0	0	0	0	0	0	0	0	0	
23:05	12.19	8.04	311.4	3.13	0	0	0	0	0	0	0	0	0	0	0	
23:05	12.19	8.04	311.4	3.13	0	0	0	0	0	0	0	0	0	0	0	Start Pumping Water
23:06	14.13	8.14	343.4	4.03	0	0	0	0	0	0	0	0	0	0	0	
23:06	16.11	8.31	279.3	3.94	0	0	0	0	0	0	0	0	0	0	0	
23:06	16.11	8.31	279.3	3.94	0	0	0	0	0	0	0	0	0	0	0	Reset Volume
23:07	16.11	8.31	279.3	3.94	0	0	0	0	0	0	0	0	0	0	0	Start Mixing Lead Slurry
23:07	1.65	11.7	375.5	5.65	0	0	0	0	0	0	0	0	0	0	0	
23:07	4.51	11.14	366.3	5.48	0	0	0	0	0	0	0	0	0	0	0	
23:08	7.27	11.63	329.7	5.51	0	0	0	0	0	0	0	0	0	0	0	

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CONSERVATION DIVISION
Wichita, Kansas

Well		Field			Service Date		Customer		Job Number
CURRY #2A		HUGOTON					HELMERICH & PAYNE INC		20166900
Time	CumVol	Density U1	Pressure U1	TotFlowrate					Message
24 hr clock	bbbl	ppg	psi	bpm					
23:08	10.04	11.27	334.2	5.7	0	0	0		
23:09	12.93	12.98	380.	5.98	0	0	0		
23:09	16.01	11.11	283.9	6.26	0	0	0		
23:10	19.15	11.02	265.6	6.24	0	0	0		
23:10	22.25	14.09	357.1	6.18	0	0	0		
23:11	25.38	13.25	265.6	6.24	0	0	0		
23:11	28.51	12.65	210.6	6.21	0	0	0		
23:12	31.65	12.42	183.2	6.24	0	0	0		
23:12	34.78	12.49	174.	6.24	0	0	0		
23:13	37.91	12.56	178.6	6.24	0	0	0		
23:13	41.05	12.29	169.4	6.24	0	0	0		
23:14	44.18	12.11	164.8	6.24	0	0	0		
23:14	47.32	12.18	169.4	6.24	0	0	0		
23:15	50.45	11.93	160.3	6.26	0	0	0		
23:15	53.59	11.64	151.1	6.24	0	0	0		
23:16	56.73	11.8	155.7	6.21	0	0	0		
23:16	59.86	12.57	174.	6.24	0	0	0		
23:17	62.99	12.43	174.	6.21	0	0	0		
23:17	66.12	12.26	160.3	6.24	0	0	0		
23:18	69.26	9.66	100.7	6.26	0	0	0		
23:18	72.1	8.16	0.	2.77	0	0	0		
23:19	73.15	12.63	50.37	4.08	0	0	0		
23:19	75.26	15.11	-9.16	0.	0	0	0		
23:20	75.26	9.27	22.89	0.	0	0	0		
23:20	75.26	13.26	9.16	0.	0	0	0		
23:21	75.91	13.51	4.58	1.4	0	0	0		
23:21	75.95	12.45	0.	0.	0	0	0		
23:22	75.95	11.72	4.58	0.	0	0	0		
23:22	75.95	10.42	18.32	0.	0	0	0		
23:23	77.18	12.13	109.9	4.42	0	0	0		
23:23	79.38	12.07	91.58	4.39	0	0	0		
23:24	82.18	12.55	160.3	5.98	0	0	0		
23:24	85.25	11.9	146.5	6.1	0	0	0		
23:25	88.34	12.74	137.4	6.21	0	0	0		
23:25	91.45	14.	164.8	6.12	0	0	0		
23:26	94.58	10.96	114.5	6.26	0	0	0		
23:26	97.72	12.15	151.1	6.21	0	0	0		
23:27	100.8	12.13	155.7	6.24	0	0	0		
23:27	104.	12.11	160.3	6.21	0	0	0		
23:28	107.1	12.48	169.4	6.21	0	0	0		
23:28	110.2	13.16	151.1	6.24	0	0	0		
23:29	113.4	12.45	141.9	6.24	0	0	0		
23:29	116.5	12.18	146.5	6.24	0	0	0		
23:30	119.6	12.03	151.1	6.24	0	0	0		
23:30	122.7	12.21	160.3	6.21	0	0	0		
23:31	125.9	12.13	155.7	6.24	0	0	0		
23:31	128.9	11.93	128.2	5.65	0	0	0		
23:32	131.7	12.	137.4	5.76	0	0	0		
23:32	134.8	13.13	183.2	6.12	0	0	0		
23:33	137.9	12.01	155.7	6.24	0	0	0		
23:33	141.	12.16	155.7	6.21	0	0	0		
23:34	141.	12.16	155.7	6.21	0	0	0		Reset Volume
23:34	141.	12.16	155.7	6.21	0	0	0		Start Mixing Tail Slurry
23:34	0.936	13.3	183.2	6.15	0	0	0		

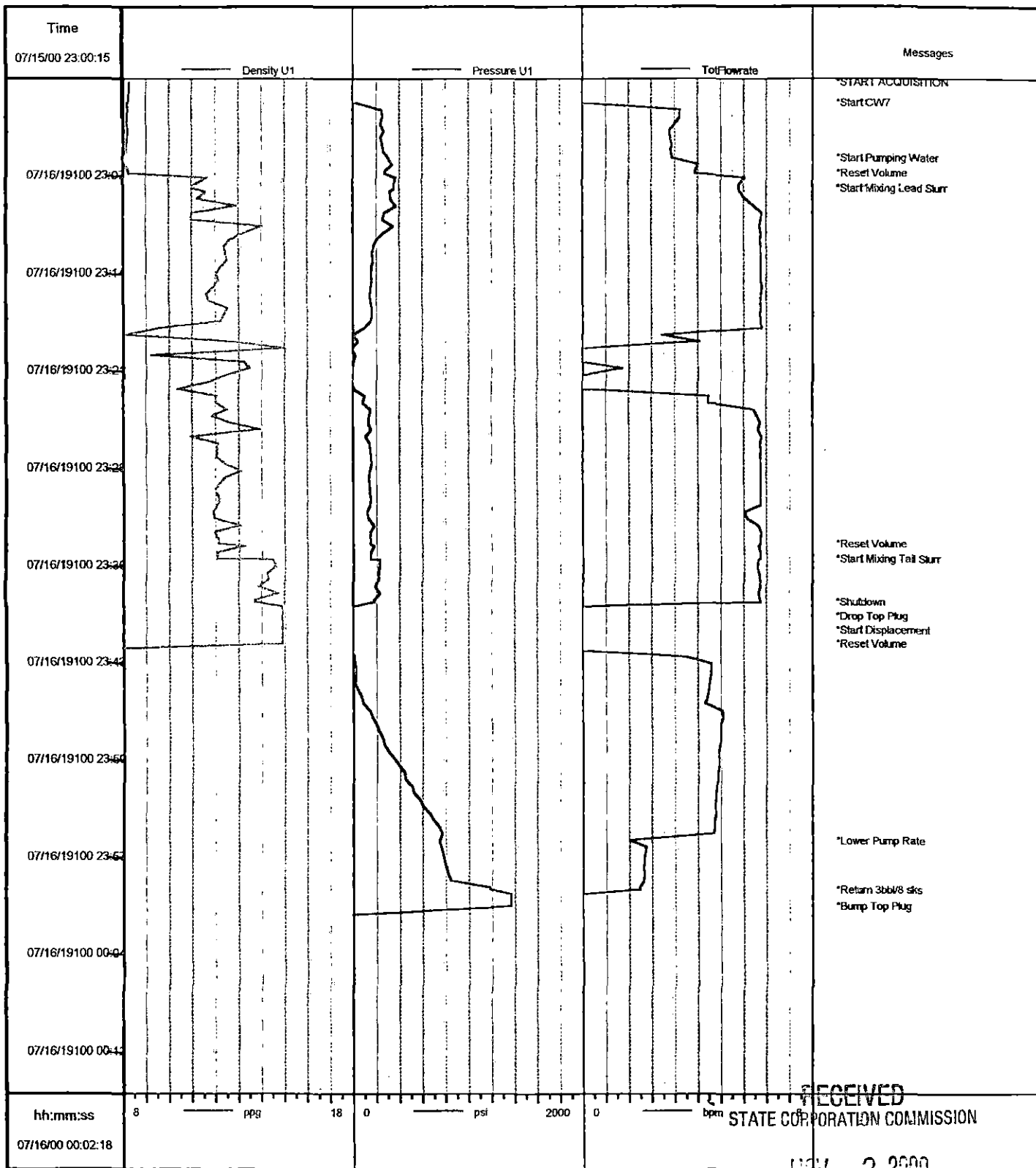
ORIGINAL

Well		Field				Service Date		Customer		Job Number
CURRY #2A		HUGOTON						HELMERICH & PAYNE INC		20166900
Time	CumVol	Density U1	Pressure U1	TotFlowrate					Message	
24 hr clock	bbbl	ppg	psi	bpm						
23:34	4.06	12.12	155.7	6.21	0	0	0			
23:35	7.15	14.52	233.5	6.15	0	0	0			
23:35	10.24	14.67	233.5	6.1	0	0	0			
23:36	13.32	14.29	224.4	6.15	0	0	0			
23:36	16.43	14.33	224.4	6.18	0	0	0			
23:37	19.52	13.91	201.5	6.21	0	0	0			
23:37	22.6	14.79	242.7	6.15	0	0	0			
23:38	25.71	13.73	187.7	6.21	0	0	0			
23:38	25.71	13.73	187.7	6.21	0	0	0		Shutdown	
23:38	25.71	13.73	187.7	6.21	0	0	0		Drop Top Plug	
23:38	25.71	13.73	187.7	6.21	0	0	0		Start Displacement	
23:38	25.71	13.73	187.7	6.21	0	0	0		Reset Volume	
23:38	0.	14.96	-13.74	0.	0	0	0			
23:42	0.	5.	-13.74	0.	0	0	0			
23:42	0.773	5.	18.32	3.66	0	0	0			
23:43	2.95	5.	22.89	4.5	0	0	0			
23:43	5.21	5.	27.47	4.5	0	0	0			
23:44	7.48	5.	27.47	4.47	0	0	0			
23:44	9.71	5.	22.89	4.45	0	0	0			
23:45	11.94	5.	50.37	4.42	0	0	0			
23:45	14.14	5.	77.84	4.36	0	0	0			
23:46	16.31	5.	96.15	4.28	0	0	0			
23:46	18.6	5.	151.1	4.89	0	0	0			
23:47	21.06	5.	174.	4.92	0	0	0			
23:47	23.49	5.	210.6	4.84	0	0	0			
23:48	25.94	5.	228.9	4.84	0	0	0			
23:48	28.36	5.	261.	4.84	0	0	0			
23:49	30.78	5.	274.7	4.81	0	0	0			
23:49	33.19	5.	311.4	4.75	0	0	0			
23:50	35.6	5.	357.1	4.75	0	0	0			
23:50	37.99	5.	402.9	4.75	0	0	0			
23:51	40.37	5.	448.7	4.73	0	0	0			
23:51	42.74	5.	453.3	4.7	0	0	0			
23:52	45.12	5.	517.4	4.7	0	0	0			
23:52	47.46	5.	531.1	4.67	0	0	0			
23:53	49.8	5.	586.1	4.67	0	0	0			
23:53	52.15	5.	609.	4.64	0	0	0			
23:54	54.49	5.	668.5	4.67	0	0	0			
23:54	56.81	5.	700.5	4.61	0	0	0			
23:55	59.13	5.	750.9	4.61	0	0	0			
23:55	61.45	5.	773.8	4.59	0	0	0			
23:56	63.45	5.	755.5	1.68	0	0	0			
23:56	63.45	5.	755.5	1.68	0	0	0		Lower Pump Rate	
23:56	64.52	5.	764.7	2.21	0	0	0			
23:57	65.62	5.	783.	2.18	0	0	0			
23:57	66.71	5.	796.7	2.15	0	0	0			
23:58	67.79	5.	810.4	2.12	0	0	0			
23:58	68.86	5.	828.8	2.15	0	0	0			
23:59	69.93	5.	847.1	2.12	0	0	0			
23:59	70.99	5.	1190	1.99	0	0	0			
23:59	70.99	5.	1190	1.99	0	0	0		Return 3bbl/8 sks	
0:00	70.99	5.	1190	1.99	0	0	0		Bump Top Plug	
0:00	71.03	5.	1374	0.	0	0	0			
0:00	71.03	5.	1374	0.	0	0	0			

ORIGINAL

Well CURRY #2A		Field HUGOTON			Service Date		Customer HELMERICH & PAYNE INC		Job Number 20166900	
Time	CumVol	Density U1	Pressure U1	TotFlowrate				Message		
24 hr clock	bbl	PPG	psi	bpm						
0:01	71.03	5.	1181	0.	0	0	0			
0:01	71.03	5.	-4.58	0.	0	0	0			
0:02	71.03	5.	-4.58	0.	0	0	0	End Job		
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	6.5		180	0	25	0		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density		
850	1400	400	1400	0		0 bbl		0 lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement		Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume		3 bbl		
0 %	186 bbl		71 bbl		°F	<input type="checkbox"/> Washed Thru Perfs To		0 ft		
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed				
Brad Klein			Charley King							

Well	Client
Field	SIR No.
Country	Job Date 07/15/2000 11:00:15 PM



Job: hp

07/16/2000 00:05:59

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* Mark of Schlumberger