

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

Operator: License # 31352

Name: Vastar Resources, Inc.

Address 15375 Memorial Drive

City/State/Zip Houston, TX 77079

Purchaser: _____

Operator Contact Person: Sue Sellers **RECEIVED**

Phone (281) 366-2052

Contractor: Name: Cheverne Drilling **SEP 24 2001**

License: 5382 **KCC WICHITA**

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. _____

06/22/01 06/24/01 06/24/01-P&A

Spud Date Date Reached TD Completion Date

API NO. 15- 067-21472-0000

County Grant

_____ - NE - SW - SW Sec. 29 Twp. 29S Rge. 36 X W ^E

1250 S Feet from S (circle one) Line of Section

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

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

Lease Name Keller Well # 4

Producing Formation None

Elevation: Ground 3056 KB _____

Total Depth 2800' PBSD 0

Amount of Surface Pipe Set and Cemented at 595 Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ACT I P&A WHM 10-10-06
(Data must be collected from the Reserve Pit)

Chloride content 47,000 ppm Fluid volume 650 bbls

Dewatering method used Dried & Filled - Transfer to Keller #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.

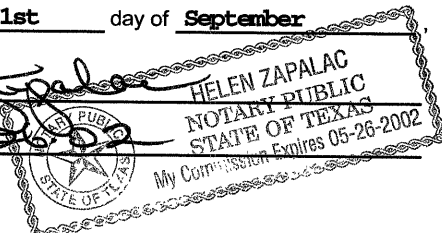
Signature Sue Sellers

Title Staff Assistant Date 09/21/01

Subscribed and sworn to before me this 21st day of September 20 01.

Notary Public HELEN ZAPALAC

Date Commission Expires 05-26-02



K.C.C. OFFICE USE ONLY

F _____ Letter of Confidentiality Attached

C _____ Wireline Log Received

C _____ Drillers Timelog Received

Distribution

_____ KCC _____ SWD/Rep _____ NGPA

_____ KGS _____ Plug _____ Other

(Specify)

Operator Name Vastar Resources, Inc. Lease Name Keller Well # 4
 East
 Sec. 29 Twp. 29S Rge. 36 West County Grant

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 No

Electric 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
Surface	12 1/4"	8 5/8"	24#	595	Class C	300	2%cc; 1/4#Floc
Production	None Set						

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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
	Perfs - NONE				

TUBING RECORD Size None Set. Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Dry Hole - P&A 06/24/01 Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas: Vented Sold Used on Lease Open Hole Perforation Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

TO: Randy Chilson

Page 1 of 7

Schlumberger

Cementing Service Report

Customer: **VASTAL RESOURCES**
AMOCO PRODUCTION COMPANY
 Job Number: **20224335**

Well: Keller GU 4		Location (legal): Sec. 29-29S-36W		Dowell Location: Ulysses, KS		Job Start: 6/22/01	
Field: Hugoton		Formation Name/Type: Surface		Deviation: 0 °		Well TVD: 595 ft	
County: Grant		State/Province: Kansas		Bit Size: 12.3 in		Well MD: 595 ft	
Rig Name: Cheyenne Drilling 8		Service Via: Land		BHP: 0 psi		Wellhead Connection: Single cement head	
Offshore Zone:		Well Class: New		Well Type: Development		Pore Press. Gradient: 0 psi/ft	
Drilling Fluid Type: Spud Mud		Max. Density: 9 lb/gal		Plastic Viscosity: 0 cp		Casing/Liner:	
Service Line: Cementing		Job Type: Cem Surface Casing		Depth, ft: 595		Size, in: 8.63	
Max. Allowed Tubing Pressure: 1000 psi		Max. Allowed Ann. Pressure: 0 psi		Weight, lb/ft: 24		Grade: 0	
Service Instructions: Safely deliver & perform Surface Cement job with materials & equipment listed on the Service Receipt. Per clients instructions.		Wellhead Connection: Single cement head		Thread: 0		Thread: 0	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Perforations/Open Hole:		Perforations/Open Hole:	
Lift Pressure: 250 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Casing Tools:	
No. Centralizers: 4		Top Plugs: 1		Bottom Plugs: 0		Squeeze Job:	
Cement Head Type: Single		Job Scheduled For: 6/22/01 15:30		Arrived on Location: 6/22/01 15:15		Leave Location: 6/22/01 19:30	
Shoe Type: Guide		Shoe Depth: 595 ft		Stage Tool Type: 0 ft		Tool Type: 0 ft	
Collar Type: Insert		Collar Depth: 549 ft		Squeeze Total Vol: 0 bbl		Squeeze Job:	
Treat Down Casing		Displacement: 35.2 bbl		Packer Type: None		Packer Depth: 0 ft	
Tubing Vol. 0 bbl		Casing Vol. 37.9 bbl		Annular Vol. 44 bbl		Open Hole Vol: 0 bbl	
Time	CP/THO	CumVol Exit	CumVol Proxim.	Density	Pressure UI	Rate ETH	Message
18:22	0.	0.	0.	-6.25	-3732	0.	
18:22	0	0	0	0	0	0	START ACQUISITION
18:22	0.	0.	0.	8.28	0.	0.	Pressure Test Lines
18:23	0.	0.	0.	8.28	0.	0.	
18:23	0.	0.	0.	8.28	4.58	0.	
18:24	0.	0.502	0.	8.26	73.26	0.599	
18:24	0.	0.622	0.059	8.26	1415	0.	
18:25	0.	0.622	0.059	8.26	13.74	0.	
18:25	0.	0.644	0.059	8.26	64.1	0.44	
18:26	5.27	2.16	0.884	8.27	178.6	5.05	
18:26	2.66	4.04	2.55	8.28	50.37	2.92	
18:27	5.01	5.77	4.29	8.28	151.1	5.13	
18:27	4.98	8.4	6.79	8.28	109.9	5.25	
18:28	4.98	0.	0.	8.32	119.	5.25	
18:28	4.86	2.36	2.47	11.37	174.	5.21	
18:29	4.73	4.96	4.86	13.35	238.1	4.76	
18:29	4.78	7.33	7.24	12.01	219.8	4.64	
18:30	4.78	9.89	9.66	12.5	224.4	4.94	
18:30	4.83	12.31	12.07	11.58	206.	4.92	
18:31	6.75	15.04	14.87	12.08	425.8	7.07	
18:31	5.78	18.5	18.1	12.46	348.	6.11	

RECEIVED
 SEP 24 2001
 KCC WICHITA

Well			Field			Service Date		Customer		Job Number
Keller GU #4			Hugoton					IOCO PRODUCTION COMP		20224335
Time	CPT/73 THD	CumVol Est	CumVol Proxim	Density	Pressure UI	Rate Est		Message		
24 hr clock	bpm	bbl	bbl	ppg	psi	bpm				
18:32	5.8	21.5	20.99	12.29	334.2	6.01	0			
18:32	5.83	24.48	23.91	11.8	329.7	5.93	0			
18:33	5.83	27.57	26.83	12.03	329.7	6.15	0			
18:33	5.57	30.6	29.69	12.26	315.9	5.71	0			
18:34	5.57	33.5	32.49	12.11	311.4	5.87	0			
18:34	5.65	36.39	35.3	11.9	306.8	5.69	0			
18:35	5.65	39.32	38.14	11.83	302.2	5.89	0			
18:35	5.65	42.29	40.97	11.9	306.8	5.97	0			
18:36	5.65	45.24	43.8	12.07	315.9	5.85	0			
18:36	5.65	48.2	46.63	12.18	311.4	5.99	0			
18:37	5.62	51.16	49.45	12.05	311.4	5.87	0			
18:37	5.65	54.1	52.27	11.9	306.8	5.87	0			
18:38	6.29	57.1	55.13	12.19	343.4	5.97	0			
18:38	6.36	60.39	58.32	11.9	398.4	6.53	0			
18:39	5.44	63.58	61.4	11.83	279.3	6.23	0			
18:39	5.24	66.55	64.09	14.24	325.1	5.81	0			
18:40	4.12	68.93	66.31	13.84	210.6	4.38	0			
18:40	4.14	71.09	68.38	14.71	206.	4.24	0			
18:41	4.09	73.23	70.44	15.06	224.4	4.26	0			
18:41	4.19	75.37	72.51	14.15	210.6	4.34	0			
18:42	3.94	77.49	74.53	14.53	187.7	4.16	0			
18:42	3.73	79.45	76.4	14.85	178.6	3.9	0			
18:43	3.73	81.39	78.28	14.9	183.2	3.9	0			
18:43	3.73	83.35	80.15	14.5	174.	3.94	0			
18:44	3.78	85.32	82.04	14.43	174.	3.94	0			
18:44	3.76	87.29	83.92	14.65	178.6	3.92	0			
18:45	3.76	89.25	85.8	14.78	183.2	3.92	0			
18:45	3.76	91.21	87.69	14.55	187.7	3.86	0			
18:46	3.78	93.14	89.58	14.32	174.	3.94	0			
18:46	3.78	95.11	91.48	14.48	174.	3.96	0			
18:47	3.76	97.07	93.37	14.64	178.6	3.94	0			
18:47	3.76	99.04	95.25	14.73	183.2	3.9	0			
18:48	3.76	101.	97.13	14.75	187.7	3.9	0			
18:48	3.76	103.	99.02	14.57	178.6	3.94	0			
18:49	3.86	105.	100.9	14.37	183.2	4.02	0			
18:49	3.83	107.	102.9	14.37	178.6	4.02	0			
18:50	0.	107.7	103.3	14.32	-4.58	0.	0	RECEIVED SEP 24 2001 KCC WICHITA		
18:50	0.	107.7	103.3	14.32	0.	0.	0			
18:51	0.	107.7	103.3	14.32	0.	0.	0			
18:51	0.	107.7	103.3	14.32	0.	0.	0			
18:52	0.	107.8	103.3	14.13	0.	0.	0			
18:52	0.	107.8	103.3	11.85	0.	0.	0			
18:53	0.	107.8	103.3	10.87	0.	0.	0			
18:53	0.	107.8	103.3	10.36	0.	0.	0			
18:54	0.	107.8	103.3	10.25	4.58	0.	0			
18:54	0.	107.8	103.3	10.19	0.	0.	0			
18:55	0.	107.8	103.3	10.02	4.58	0.	0			
18:55	0.	107.8	103.3	9.89	0.	0.	0			
18:56	4.47	109.1	104.3	9.	160.3	4.52	0			
18:56	4.86	111.6	106.7	9.	160.3	5.03	0			
18:57	4.88	114.1	109.1	8.36	123.6	5.09	0			
18:57	4.88	114.1	109.1	8.36	123.6	5.09	0	On disp		
18:57	4.88	114.1	109.1	8.36	123.6	5.09	0	[CumVol Proxim.]=109.4 bbl		
18:57	4.88	114.1	109.1	8.36	123.6	5.09	0	Reset Volume		

Well		Field		Service Date		Customer		Job Number	
Keller GU #4		Hugoton				IOCO PRODUCTION COMP		20224335	
Time	CPT/TS TMO	CumVol E&H	CumVol Proxim	Density	Pressure U1	Rate E&H	Message		
24 hr clock	bpm	bbl	bbl	ppg	psi	bpm			
18:57	4.88	114.1	109.1	8.36	123.6	5.09	0	8 bbls gone	
18:57	4.88	2.04	1.96	8.31	100.7	5.05	0		
18:58	4.86	4.57	4.4	8.43	119.	4.96	0		
18:58	4.86	7.15	6.83	8.46	141.9	5.17	0		
18:59	2.3	9.19	8.63	8.33	96.15	2.06	0		
18:59	2.58	10.63	10.01	8.3	96.15	2.74	0		
19:00	2.56	11.98	11.3	8.3	132.8	2.68	0		
19:00	2.99	13.44	12.7	8.3	77.84	3.12	0		
19:01	2.96	15.01	14.2	8.33	174.	3.14	0		
19:01	2.94	16.57	15.68	8.33	160.3	3.12	0		
19:02	2.91	18.12	17.15	8.33	160.3	3.1	0		
19:02	2.89	19.66	18.61	8.3	169.4	3.06	0		
19:03	2.86	21.17	20.06	8.3	251.8	2.96	0		
19:03	2.86	22.66	21.49	8.3	187.7	2.98	0		
19:04	2.12	24.12	22.87	8.3	178.6	2.58	0		
19:04	1.79	25.09	23.76	8.3	155.7	1.86	0		
19:05	1.76	26.02	24.65	8.3	164.8	1.86	0		
19:05	1.74	26.94	25.52	8.3	174.	1.84	0		
19:06	1.74	27.86	26.39	8.3	183.2	1.82	0		
19:06	1.84	28.86	27.35	8.3	174.	1.96	0		
19:07	0.	29.39	27.78	8.3	627.3	0.	0		
19:07	0.	29.39	27.78	8.3	4.58	0.	0		
19:08	0.	29.39	27.78	8.3	0.	0.	0		
19:08	0.	29.39	27.78	8.3	0.	0.	0	Circ 35 bbl cmt	
19:08	0.	29.44	27.78	8.33	9.16	0.38	0		
19:08	0.	29.44	27.78	8.33	9.16	0.38	0	Bump plug	
19:09	0.	29.44	27.78	8.33	9.16	0.38	0	Disp 35.5 bbl	
19:09	0.	29.44	27.78	8.33	9.16	0.38	0	Plug holding	
19:09	0.	29.44	27.78	8.33	9.16	0.38	0	PLug down 1907	
19:09	0.	30.04	27.78	8.3	22.89	1.32	0		
19:09	0.	30.04	27.78	8.3	22.89	1.32	0	Calc Disp 35.2 bbl	
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
3	0	0	6	95	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
800	800	0	800	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		35 bbl			
0 %	91 bbl	95.5 bbl	65 °F	<input type="checkbox"/> Washed Thru Perfs To		0 ft			
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
Spanky Spohn			Shubhanan Dakshindas						

RECEIVED

SEP 24 2001

KCC WICHITA

Customer VASTAR RESOURCES AMOCO PRODUCTION COMPANY		Person Taking Call David Brawley		Dowell Location Ulysses, KS		Order Date 6/22/01		Job Number 20224335	
Well Name and Number Keller GU 4			Legal Location Sec. 29-29S-36W		Field Hugoton		County Grant		State/Province Kansas
Rig Name Cheyenne Drilling 8			Well Age New	Sales Engineer David Brawley			Job Type Cem Surface Casing		
Time Well Ready:		Deviation 0 °	Bit Size 12.3 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		HHP 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: 8 5/8 Head, Manifold, Swage 8 5/8 Top RUBBER Plug				
Depth,	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
0	0	0							
0	0	0							
Perforated Intervals									
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 Texas Pattern Shoe
 8 5/8 Auto Fill Insert
 8 5/8 Centralizers (4)
 Thread Lock Kit

Directions:
 UKS 5 south, 4 east, 3/4 south, east into.

Other Notes:

RECEIVED
SEP 24 2001
 KCC MICHITA

Comments:

Fluid Systems:

Lead			
150 sks 35/65 Poz/C			
Density:	12.3 lb/gal	Thickening Time:	6 hrs
Yield:	2.1 ft ³ /sk	Viscosity:	cp
H2O Mix:	11.97 gal/sk	Break Time:	
H2O:	1795.5 gal	Eq. Sack Weight:	88.75 lb
Dowell Code	Conc/ Amount	Total Quantity	
D132	27.65 lbs/sk	4147.5	
D903	61.1 lbs/sk	9165	
D020	6 % BWOB	798.75	
S001	2 % BWOB	266.25	
D029	0.25 lbs/sk	37.5	

Tail			
150 sks Class C			
Density:	14.8 lb/gal	Thickening Time:	2 hrs
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	
S001	2 % BWOB	282	
D903	94 lbs/sk	14100	
D029	0.25 lbs/sk	37.5	

RECEIVED

SEP 24 2001

KCC WICHITA



Cementing Service Report

Customer	VASTAR RESOURCES AMCOO PRODUCTION COMPANY	Job Number	20223650
----------	--	------------	----------

Well		Location (legal)		Dowell Location		Job Start	
Keller GU 4		Sec. 29-29S-36W		Ulysses, KS		6/24/01	
Field		Formation Name/Type		Deviation		Well MD	
Hugoton		Chase		0		2,800 ft	
County		State/Province		BHP		BHT	
Grant		Kansas		0 psi		95°F	
Rig Name		Drilled For		Service Via		BHCT	
Cheyenne Drilling Rig		Gas				85°F	
Offshore Zone		Well Class		Well Type		Pore Press. Gradient	
		New		Development		0 psi/ft	
Drilling Field Type		Max. Density		Plastic Viscosity		Casing/Liner	
		0 lb/gal		0 cp		Depth, ft	
Service Line		Job Type		Casing/Liner		Size, in	
Cementing		Plug & Abandon Gem Prod. Casing		Depth, ft		Weight, lb/ft	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Grade	
2000 psi		0 psi		Single cement head		Thread	
Service Instructions						Tubing/Drill Pipe	
Safely deliver & perform P&A job with materials & equipment listed on the Service Receipt. Per client instructions.						Depth, ft	
						Size, in	
						Weight, lb/ft	
						Grade	
						Thread	
						Perforations/Open Hole	
						Top, ft	
						Bottom, ft	
						spf	
						No. of Shots	
						Total Interval	
						0 ft	
						Diameter	
						0 in	
						Treat Down	
						Displacement	
						Packer Type	
						Packer Depth	
						0 ft	
						Tubing Vol.	
						Casing Vol.	
						Annular Vol.	
						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	
LRT Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:	
						Squeeze Type:	
No. Centralizers: 0		Top Flags: 0		Bottom Flags: 0		Shoe Depth: 2800 ft	
Cement Head Type:						Tool Type:	
Job Scheduled For:		Arrived on Location:		Leave Location:		Stage Tool Type:	
		6/24/01 13:00		6/24/01 16:00		Tool Depth: 0 ft	
						Stage Tool Depth: 0 ft	
						Tail Pipe Size: 0 in	
						Coffer Type:	
						Tail Pipe Depth: 0 ft	
						Coffer Depth: ft	
						Sqz Total Vol: 0 bbl	

Time	Depth (ft)	Density (ppg)	Pressure (psi)	Rate (gpm)	Flow (gpm)	Flow (gpm)	Flow (gpm)	Message
13:53	0	0	0	0	0	0	0	START ACQUISITION
13:53	0	-6.25	-3732	0	0	0	0	
13:54	4.67	8.26	45.79	4.76	0	0	0	
13:55	9.04	8.3	50.37	3.82	0	0	0	
13:56	2.9	12.02	68.68	3.6	0	0	0	
13:57	6.83	12.5	64.1	4	0	0	0	
13:58	10.8	12.28	64.1	3.94	0	0	0	
13:59	14.74	12.34	64.1	3.98	0	0	0	
14:00	18.78	12.51	77.84	4.22	0	0	0	
14:01	23.06	12.52	77.84	4.24	0	0	0	
14:02	27.34	12.42	77.84	4.3	0	0	0	
14:03	31.59	11.49	64.1	3.8	0	0	0	
14:04	35.54	11.88	82.42	4.06	0	0	0	
14:04	35.54	11.88	82.42	4.06	0	0	0	Start Pumping Water
14:05	39.36	8.67	45.79	4.78	0	0	0	
14:05	39.36	8.67	45.79	4.78	0	0	0	Start Pumping Mud
14:06	3.44	8.68	54.95	4.58	0	0	0	
14:06	3.44	8.68	54.95	4.58	0	0	0	Shutdown
14:06	3.44	8.68	54.95	4.58	0	0	0	PAUSE ACQUISITION
14:07	0	-6.25	-3732	0	0	0	0	
14:28	0	-6.25	-3732	0	0	0	0	START ACQUISITION
14:28	0.043	8.57	18.32	2.6	0	0	0	

RECEIVED
SEP 24 2001
KCC WICHITA

Well		Fluid				Service Date		Customer		Job Number
Keller GU #4		Hugoton						IOCO PRODUCTION COMP		20220531
Time	CumVol Est	Density	Pressure	Rate EPH					Message	
24 hr clock	bbbl	ppg	psid	gpm						
14:29	2.86	8.43	45.79	4.28	0	0	0			
14:30	6.89	8.33	45.79	3.7	0	0	0			
14:31	6.89	8.33	45.79	3.7	0	0	0		[CumVol Proxim.]=0 bbl	
14:31	6.89	8.33	45.79	3.7	0	0	0		Reset Volume	
14:31	1.17	13.13	68.68	3.36	0	0	0			
14:32	5.05	13.1	77.84	4.12	0	0	0			
14:33	9.25	12.26	73.26	4.16	0	0	0			
14:34	13.39	12.22	68.68	4.04	0	0	0			
14:35	17.45	11.91	68.68	4.18	0	0	0			
14:35	17.45	11.91	68.68	4.18	0	0	0		Reset Volume	
14:35	17.45	11.91	68.68	4.18	0	0	0		[CumVol Proxim.]=5.299 bbl	
14:35	17.45	11.91	68.68	4.18	0	0	0		Start Pumping Water	
14:36	3.71	8.64	59.52	5.	0	0	0			
14:36	3.71	8.64	59.52	5.	0	0	0		Shutdown	
14:37	3.71	8.64	59.52	5.	0	0	0		PAUSE ACQUISITION	
15:17	4.27	8.31	-13.74	3.58	0	0	0			
15:17	3.71	8.64	59.52	5.	0	0	0		RESTART AFTER PAUSE	
15:18	5.73	12.19	0.	2.88	0	0	0			
15:19	8.89	12.4	64.1	6.55	0	0	0			
15:20	8.89	12.4	64.1	6.55	0	0	0		[CumVol Proxim.]=3.17 bbl	
15:20	8.89	12.4	64.1	6.55	0	0	0		Reset Volume	
15:20	5.4	10.51	-9.16	1.72	0	0	0			
15:20	5.4	10.51	-9.16	1.72	0	0	0		Shutdown	
15:21	5.4	10.51	-9.16	1.72	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
3	0	0	4	60	4	20	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
84	0	0	0	0		0 bbl	0 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft			
0 %	0 bbl	20 bbl	*F				
Customer or Authorized Representative			Dowell Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Spanky Spohn			Jeffrey Dutton				

RECEIVED
 SEP 24 2001
 KCC WICHITA