



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1316631
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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 Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple 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

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1316631

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	GRIFFIN COX CHESTER UNIT 404W
Doc ID	1316631

All Electric Logs Run

ANNULAR HOLE VOLUME LOG 5 CASING
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 INCH
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2 INCH
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5 INCH
ARRAY TRUE RESISTIVITY SPECTRAN DENSITY DUAL SPACED NEUTRON BOREHOLE SONIC QUAD COMBO LOG
BOREHOLE COMPENSATED SONIC ARRAY LOG
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG
MICROLOG



Depend on US

Post Job Report

Merit Energy

GCCU 404W

4/5/2016

8.625" Surface Casing

Haskell County, KS





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1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well GCCU 404W.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 1750 psi. After a successful test we began the job by pumping 10 bbls of Fresh Water spacer. We then mixed and pumped the following cements:

204.37 bbl	450	Sacks of 12.1 ppg
Class A Slurry -	2.55	Yield

- 2.0% Sodium Metasilicate
- 2.0% Gypsum
- 4.0% Gel
- 2.0% Sodium Chloride
- 3.0 % Calcium Chloride
- 0.25 lb Cellophane Flake

- 31.67 bbl
- 140 Sacks of 15.2 ppg
- Class A Slurry -
- 1.27 Yield
- 2.0 % Calcium Chloride
- 0.25 lb Cellophane Flake

The top plug was then released and displaced with 101.1 Bbls of Fresh Water. During displacement returns were lost, and Allied slowed the rate in a successful attempt to get them back. The plug bumped and was pressured to 1500 psi. Upon release the floats held. 40 bbl cement returned to the pit.

All real time data can be view in the Job Summary section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



Cement Job Summary

Job Number: Lib1604051930		Job Purpose: 01 Surface	
Customer:	MERIT ENERGY COMPANY		Date: 4/5/2016
Well Name: GCCU	Number: 404W		API/UWI:
County: Haskell	City: Sublette	State: KS	
Cust. Rep:	Phone:	Rig Phone:	
Distance: 50 miles (one way)	Supervisor: Lenny Baeza		

Employees:	Emp. ID:	Employees:	Emp. ID:
Kenny Baeza		Ramon Escarcega	
Lorenzo Rios		Lenny Baeza	

Equipment:	
994-550	993-1066
955-842	

Materials - Pumping Schedule					
STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	450	12.10	2.55	14.86
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	140	15.19	1.27	5.75
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 2	0	0	0.00	0.00	0.00
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	101.1294929	8.33	n/a	n/a

Slurry: Lead 1		Slurry Name: ALLIED MULTI-DENSITY CEMENT - CLASS A Light				
Quantity:	450 sacks	Blend Vol:	567.26 cu.ft.	Blend Weight:	48292.0542 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	42300.0	lbm	
CA-500	GYPSUM	1.88	% BWOC	846.0	lbm	
CA-400	SODIUM METASILICATE	1.88	% BWOC	846.0	lbm	
Cgel	GEL - BENTONITE	3.76	% BWOC	1692.0	lbm	
CA-200	SODIUM CHLORIDE	2.475676	% BWOW	1114.1	lbm	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1269.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	225.0	lbm	
Water	Mixing Water	14.86	gal/sk	6687	gal	

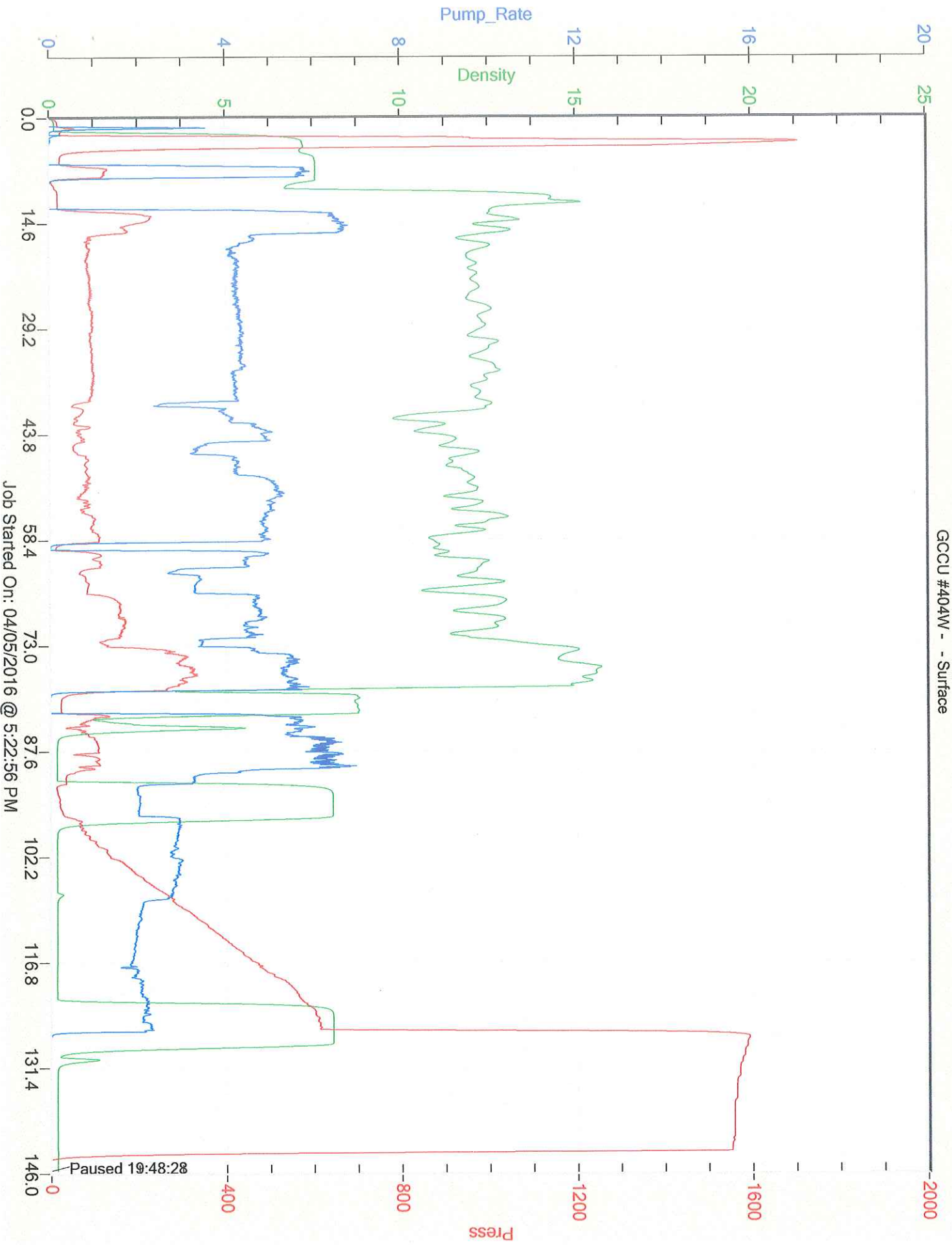
Slurry: Tail 1		Slurry Name: CLASS A COMMON				
Quantity:	140 sacks	Blend Vol:	149.88 cu.ft. cu.ft.	Blend Weight:	13493.2 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	13160.0	lbm	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	263.2	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	70.0	lbm	
Water	Mixing Water	5.75	gal/sk	805.0	gal	

Slurry: Tail 2		Slurry Name: 0				
Quantity:	sacks	Blend Vol:	0 cu.ft.	Blend Weight:	0 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
0		0	0	0	lbm	

Cement Job Summary

0	0	0	0	lbm
Water	Mixing Water	0.00	gal/sk	0 gal

Job Number: Lib1604051930		Job Purpose: 01 Surface				
Customer: MERIT ENERGY COMPANY				Date: 4/5/2016		
Well Name: GCCU		Number: 404W		API/UWI:		
County: Haskell		City: Sublette		State: KS		
Cust. Rep:		Phone:		Rig Phone: 0		
Distance: 50 miles (one way)			Supervisor: Lenny Baeza			
DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
		CASING	ANNULUS	VOLUME	RATE (BPM)	
3/29/2016	1:30pm					ARRIVE ON LOCATION
	5:15pm					SAFETY MEETING
	5:22pm	75		2	3	PUMP WATER AHEAD
	5:25pm	1750		2	1	Pressure test lines
	5:25pm	85		10	4	Rest of H2O ahead
	5:31pm	90		214	4	Mixing Lead cement @12.1#
	6:41pm	360		245	5	Mxing Tail cement @ 15.2#
	6:48pm	0		245	0	Shut down to release plug
	6:52pm	20		245	5	Plug left and started displacement of 122.9 bbls
						LOST TOTAL RETURNS
	6:56pm	30		265	5	20bbls gone
	7:01pm	40		285	4	40bbls gone
	7:06pm	50		305	4	60bbls gone
	7:11pm	110		320	3	75bbls gone Got returns again
	7:17pm	380		355	3	100bbls gone
	7:21pm	530		370	3	115bbls gone slowing down
	7:30pm	1500		378	3	122bbls gone and landed the plug
						40 bbls of cement to surface
	7:30pm	1500				Testing casing
	7:45pm	0				Good Test
	8:30pm					Rigging down leaving location 8:30pm





CEMENT MIXING WATER GUIDELINES

Company Name: MERIT ENERGY COMPANY

Lease Name: GCCU # 404W

County Haskell State KS

Water Source: TANK


Submitted By: Lenny Baeza Date: 4/5/2016

pH Level	<u>Good</u>	Must be less than 8.5
Sulfates	<u>Good</u>	Must be less than 1,000 PPM
Chlorides	<u>Good</u>	Must be less than 3,000 PPM
Temperature	<u>69</u>	Must be less than 100 deg F

COMMENTS

Thank You

Customer Signature

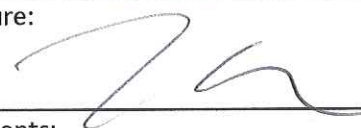




Customer: MERIT ENERGY COMPANY
 Date: Tuesday, April 05, 2016
 Well Name: GCCU # 404W
 Well Location: Sublette
 Supervisor: Lenny Baeza

Equipment Operators: Kenny Baeza - Ramon Escarcega - Lorenzo Rios - Lenny Baeza

Performance	Customer	
Was the appearance of the personnel and equipment satisfactory?	Yes	No
Was the job performed in a professional manner?	Yes	No
Were the calculations prepared and explained properly?	Yes	No
Were the correct services dispatched to the job site?	Yes	No
Were the services performed as requested?	Yes	No
Did the job site environment remain unchanged?	Yes	No
Did the equipment perform in the manner expected?	Yes	No
Did the materials meet your expectations?	Yes	No
Was the crew prepared for the job?	Yes	No
Was the crew prompt in the rig-up and actual job?	Yes	No
Were reasonable recommendations given, as requested?	Yes	No
Did the crew perform safely?	Yes	No
Was the job performed to your satisfaction?	Yes	No

Customer Signature:  Date: 4-5-16

Additional Comments:



Depend on US

Post Job Report

Merit Energy

GCCU 404W

4/9/2015

5.5" 2-Stage Production Casing

Haskell County, KS





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1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well GCCU 404W intermediate casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3000 psi. After a successful test we began the job by plugging the rat hole and mouse hole with 50 sacks and then began pumping 12 bbls of HiVis Sweep spacer. We then mixed and pumped the following cements:

1st Stage:

28.67 bbl	100 Sacks of 13.6 ppg
50/50 H Slurry:	1.61 Yield

10.0% Salt
5.0% Gypsum
2.0% Gel
0.5% CFL-210
5.0 lb Kol-Seal
0.25 lb Cellophane Flake
0.2% CD-100

2nd Stage:

76.94 bbl	225 Sacks of 13.6 ppg
Class A Slurry -	1.92 Yield

10.0% Salt
6.0% Gypsum
2.0% Gel
0.5% CFL-210
5.0 lb Kol-Seal
0.25 lb Cellophane Flake

The first stage was displaced with 34 bbl fresh water and 94 Bbls of WBM. The plug bumped and was pressured to 1000 psi. Upon release the floats held. The stage tool was opened at 900 psi and the rig circulated 4 hours. The second stage was pumped and displaced with 117 bbl fresh water. The plug bumped and was pressured to 2000 psi.

All real time data can be view in the Job Summary section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

Job Number: LIB1604090338	Job Purpose: 02 Production/Long String		
Customer: MERIT ENERGY COMPANY	Date: 4/9/2016		
Well Name: GCCU	Number: #404W	API/UWI:	
County: Haskell	City: Sublette	State: KS	
Cust. Rep:	Phone:	Rig Phone:	
Distance: 50 miles (one way)	Supervisor: Aldo Espinosa		

Employees:	Emp. ID:	Employees:	Emp. ID:
ALDO ESPINOZA			
OSCAR SIGALA			
RAMON ESCARCEGA			
LORENZO RIOS			

Equipment:
984-
903-541
993-1066
982-

Materials - Pumping Schedule					
STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED 50/50 POZ BLEND - CLASS H	50	13.60	1.61	7.37
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	ALLIED 50/50 POZ BLEND - CLASS H	100	13.60	1.61	7.37
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	137	8.33	n/a	n/a
STAGE #2					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	225	13.60	1.92	9.56
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Disp. 1	Displacement	137	8.33	n/a	n/a

Slurry: Lead 1							Slurry Name: ALLIED 50/50 POZ BLEND - CLASS H	
Quantity:	50 sacks	Blend Vol:	65.66 cu.ft.	Blend Weight:	5092.8605 lbs			
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM			
CCHP	CLASS H PREMIUM	47	% Base Material	2350.0	lbm			
CPOZ	POZMIX FLYASH	37	% Base Material	1850.0	lbm			
CGEL	GEL - BENTONITE	1.68	% BWOC	84.0	lbm			
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.42	% BWOC	21.0	lbm			
CLC-KOL	KOL-SEAL	5	lb/sk	250.0	lbm			
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	12.5	lbm			
CA-200	SODIUM CHLORIDE	6.13921	% BWOW	307.0	lbm			
CA-500	GYPSUM	4.2	% BWOC	210.0	lbm			
CD-100	CEMENT DISPERSANT	0.168	% BWOC	8.4	lbm			
Water	Mixing Water	7.37	gal/sk	368.5	gal			

Slurry: Tail 1							Slurry Name: ALLIED 50/50 POZ BLEND - CLASS H	
Quantity:	100 sacks	Blend Vol:	131.31 cu.ft.	Blend Weight:	10185.721 lbs			
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM			
CCHP	CLASS H PREMIUM	47	% Base Material	4700.0	lbm			
CPOZ	POZMIX FLYASH	37	% Base Material	3700.0	lbm			
CGEL	GEL - BENTONITE	1.68	% BWOC	168.0	lbm			
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.42	% BWOC	42.0	lbm			
CLC-KOL	KOL-SEAL	5	lb/sk	500.0	lbm			
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	25.0	lbm			
CA-200	SODIUM CHLORIDE	6.13921	% BWOW	613.9	lbm			
CA-500	GYPSUM	4.2	% BWOC	420.0	lbm			
CD-100	CEMENT DISPERSANT	0.168	% BWOC	16.8	lbm			
Water	Mixing Water	7.37	gal/sk	737.0	gal			

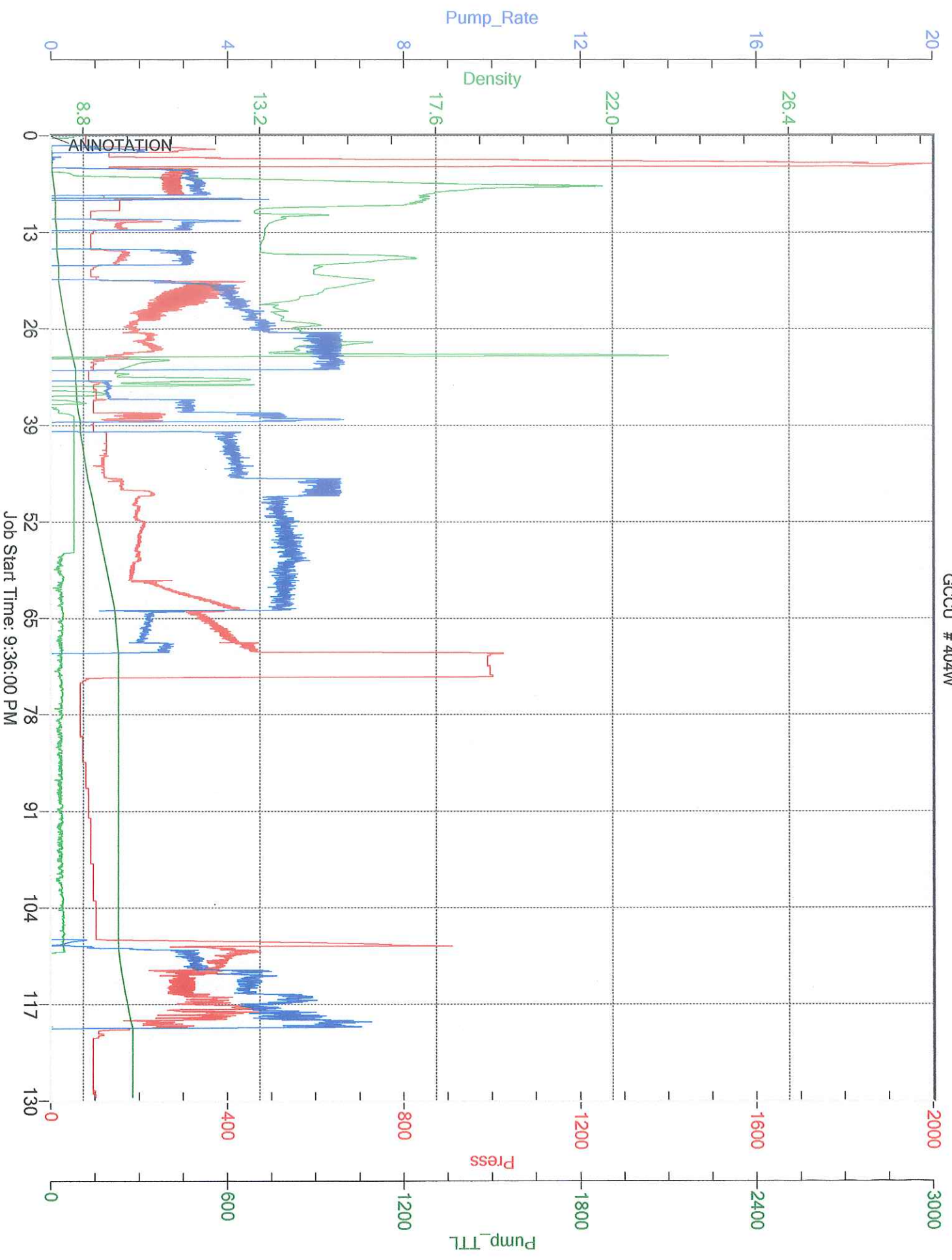
Slurry: Stg 2 Tail 1							Slurry Name: ALLIED SPECIAL BLEND CEMENT - CLASS A	
Quantity:	225 sacks	Blend Vol:	467542345265 cu.ft.	Blend Weight:	25920.783 lbs			
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM			
CCAC	CLASS A COMMON	94	% Base Material	21150.0	lbm			
CA-200	SODIUM CHLORIDE	7.96348	% BWOW	1791.8	lbm			
CA-500	GYPSUM	5.64	% BWOC	1269.0	lbm			
CGEL	GEL - BENTONITE	1.88	% BWOC	423.0	lbm			
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	105.8	lbm			
CLC-KOL	KOL-SEAL	5	lb/sk	1125.0	lbm			
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	56.3	lbm			
Water	Mixing Water	9.56	gal/sk	2151.0	gal			

Cement Job Summary

Job Number: LIB1604090338		Job Purpose 02 Production/Long String		Date: 4/9/2016			
Customer: MERIT ENERGY COMPANY				Number: #404W			
Well Name: GCCU		City: Sublette		API/UWI:			
County: Haskell		State: KS		Rig Phone: 0			
Cust. Rep:		Phone:		Supervisor: Aldo Espinosa			
Distance: 50 miles (one way)		PRESSURE - (Psi)		FLUID PUMPED DATA			
DATE	TIME	CASING	ANNULUS	VOLUME	RATE (BPM)	COMMENTS	
4/8/2016	600PM					ARRIVE TO LOCATION	
	630PM					RIG RUNNING CASING	
	640PM					SPOT EQUIPMENT	
	730PM					RIG UP IRON ON GROUND	
	745PM					CASING ON BOTTOM	
	755PM					STAB CMT HEAD AND RIG UP FLOOR TO CIRCULATE	
	759PM	2000				CASING CREW OUT OF WAY	
	802PM				14	2	PRE-JOB SAFETY MEETING
					3	4	TEST LINES
					12	4	3 BBLS OF WATER
					12	4	12 BBLS OF HIVIS SWEEP
					3	4	3 BBLS OF WATER
					3	4	PLUG RAT & MOUSE HOLE WITH 50 SKS OF CMT (14 BBLS @13.6)
					29	4	100 SKS OF CMT (29 BBLS @13.6)
							SHUTDOWN / CLEAN LINES / DROP LATCH DOWN PLUG
			110		35	5	PUMP 34 BBLS OF FRESH WATER AT 5 BPM
			230			5	PUMP 94 BBLS OF WBM AT 5 BPM / FOR 127 BBLS TOTAL DISP.
					118	5	DISP. REACHED CMT AT 100 BBLS GONE
		901PM			110	3	PLUG PASSING THRU DV TOOL / SLOW RATE TO 3 BPM
		908PM	480		118	3	NO SIGNIFICANT SHEAR PRESSURE / CONTINUE DISP. AT 3 BPM
	911PM	1000		128	3	BUMP PLUG WITH 480 PSI AND TOOK OVER TO 1000 PSI AT 127 BBLS	
	915PM					FLOATS HOLDING FOR 3 MINUTES - 1/4 BBL BACK	
						DROP MULTIPLE STAGE CEMENTING OPENING TOOL	
						WAIT 25 MINUTES FOR TOOL TO FALL	
	940PM	900		1	2	OPEN MULTIPLE STAGE CEMENTING DV TOOL WITH 900 PSI	
	945PM					CIRCULATION ESTABLISHED / CLEAN TANKS OUT	
	955PM					1ST STAGE COMPLETE / TURN OVER TO RIG TO CIRCULATE FOR 4 HRS	
						2ND STAGE	
4/9/2016				3	3.5	3 BBLS OF WATER	
	200AM	700		12	3.5	12 BBLS OF HIVIS SWEEP	
				3	3.5	3 BBLS OF WATER	
	208AM	300		77	4.5	225 SKS OF CMT (77 BBLS @13.6)	
	250AM	110				SHUTDOWN / CLEAN LINES / DROP CLOSING PLUG	
	300AM				5.5	117 BBLS DISPLACEMENT AT 6 BPM	
	322AM	330		78	5.5	DISP. REACHED CMT AT 75 BBLS GONE	
	331AM	800		105	3	SLOW RATE TO 3 BPM TO BUMP PLUG	
	338AM	900		117	3	BUMP PLUG WITH 840 PSI AND TOOK UP TO 2000 PSI TO CLOSE	
	343AM	2000				FLOATS HOLDING FOR 5 MINUTES / 1 BBL BACK	
							END JOB / FULL CIRCULATION BOTH STAGES
	415AM						RIG DOWN EQUIPMENT
440AM						CREW LEAVE LOCATION	

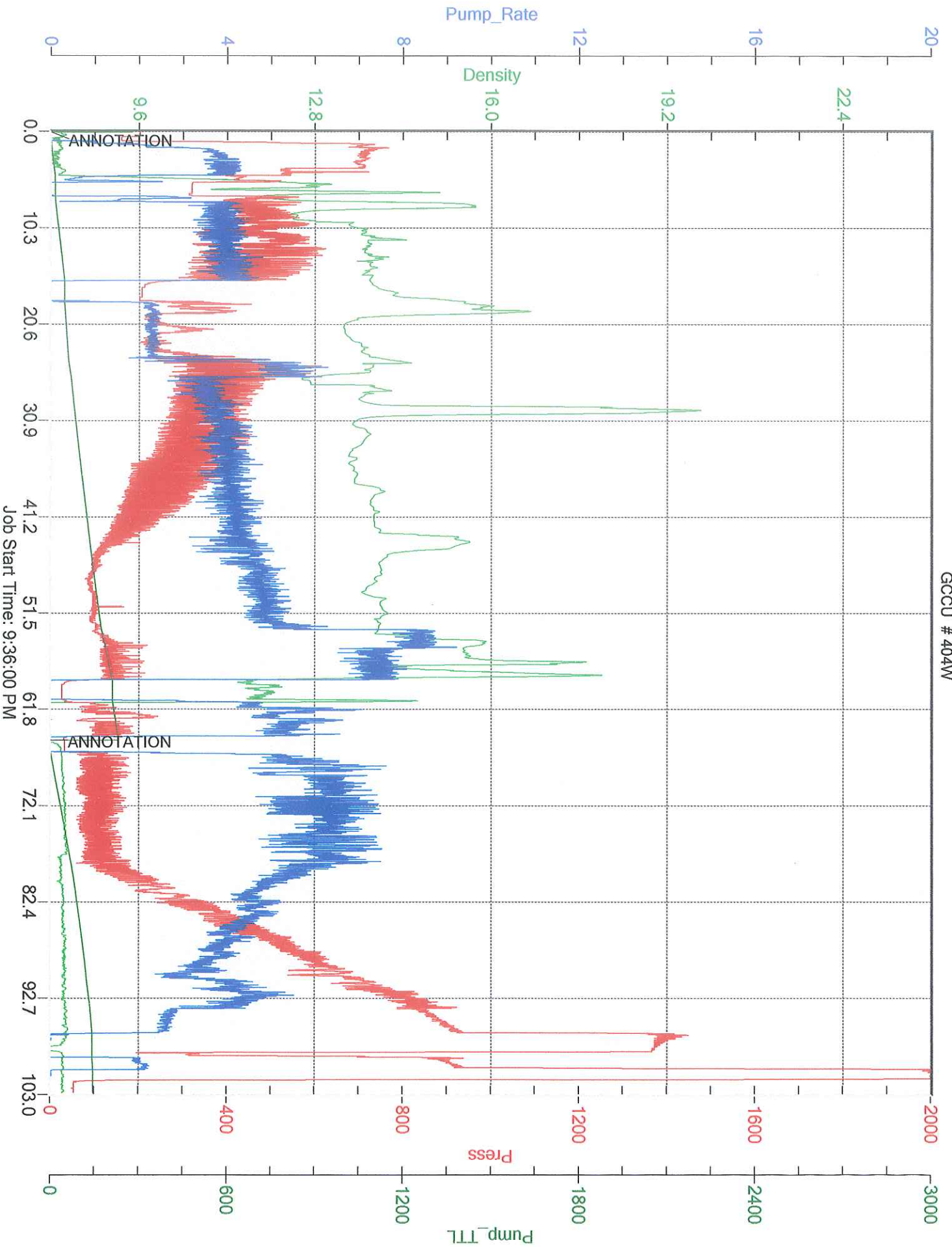
MERIT ENERGY FIRST STAGE

GCCU # 404W



MERIT ENERGY SECOND STAGE

GCCU # 404W



Job Start Time: 9:36:00 PM



CEMENT MIXING WATER GUIDELINES

Company Name:

MERIT ENERGY COMPANY

Lease Name:

GCCU # #404W

County

Haskell

State

KS

Water Source:

TANK

Submitted By:

Aldo Espinosa

Date:

4/8/2016

pH Level

7

Must be less than 8.5

Sulfates

200

Must be less than 1,000 PPM

Chlorides

550

Must be less than 3,000 PPM

Temperature

62

Must be less than 100 deg F

COMMENTS

[Empty rectangular box for comments]

Customer Signature

[Handwritten Signature]

Thank You

