



*Depend on US*

# Post Job Report

## **Merit Energy**

GCCU 406W

4/21/2015

5.5" 2-Stage Production Casing

Haskell County, KS





Merit Energy  
GCCU 406W  
Haskell County, KS

Table of Contents:

1.0 Executive Summary.....	3
2.0 Job Summary.....	4
2.1 Job Event Log.....	4
2.2 Job Chart.....	6
3.0 Water Testing.....	8
4.0 Customer Satisfaction Survey.....	9



## 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 406W 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:

1<sup>st</sup> Stage:

17.20 bbl	60 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	

2<sup>nd</sup> Stage:

47.87 bbl	140 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 40 bbl fresh water and 169 Bbls of WBM. 18 BBL into displacement a welded collar on the landing joint broke dropping casing into the hole. The rig fished for 3hr and 50 min. Once casing was recovered Allied resumed displacement. The plug bumped and was pressured to 1500 psi. Upon release the floats held. The stage tool was opened at 450 psi and the rig circulated 4 hours. The second stage was pumped and displaced with 197 bbl fresh water. The plug bumped and was pressured to 2300 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.

## Cement Job Summary

Job Number: <b>LIB1604211212</b>		Job Purpose: <b>02 Production/Long String</b>	
Customer: <b>MERIT ENERGY COMPANY</b>			Date: <b>4/21/2016</b>
Well Name: <b>GCCU</b>		Number: <b>406 W</b>	
County: <b>HASKELL</b>		City: <b>SUBLETTE</b>	
Cust. Rep: <b>RODNEY GONZALEZ</b>		Rig Phone:	
Legal Desc: <b>11-28S-33W</b>		Rig Name: <b>DUKE # 9</b>	
Distance: <b>50 miles (one way)</b>		Supervisor: <b>Aldo Espinosa</b>	
API/UWI: <b>15-081-22136</b>		State: <b>KS</b>	
Phone:		Rig Phone:	

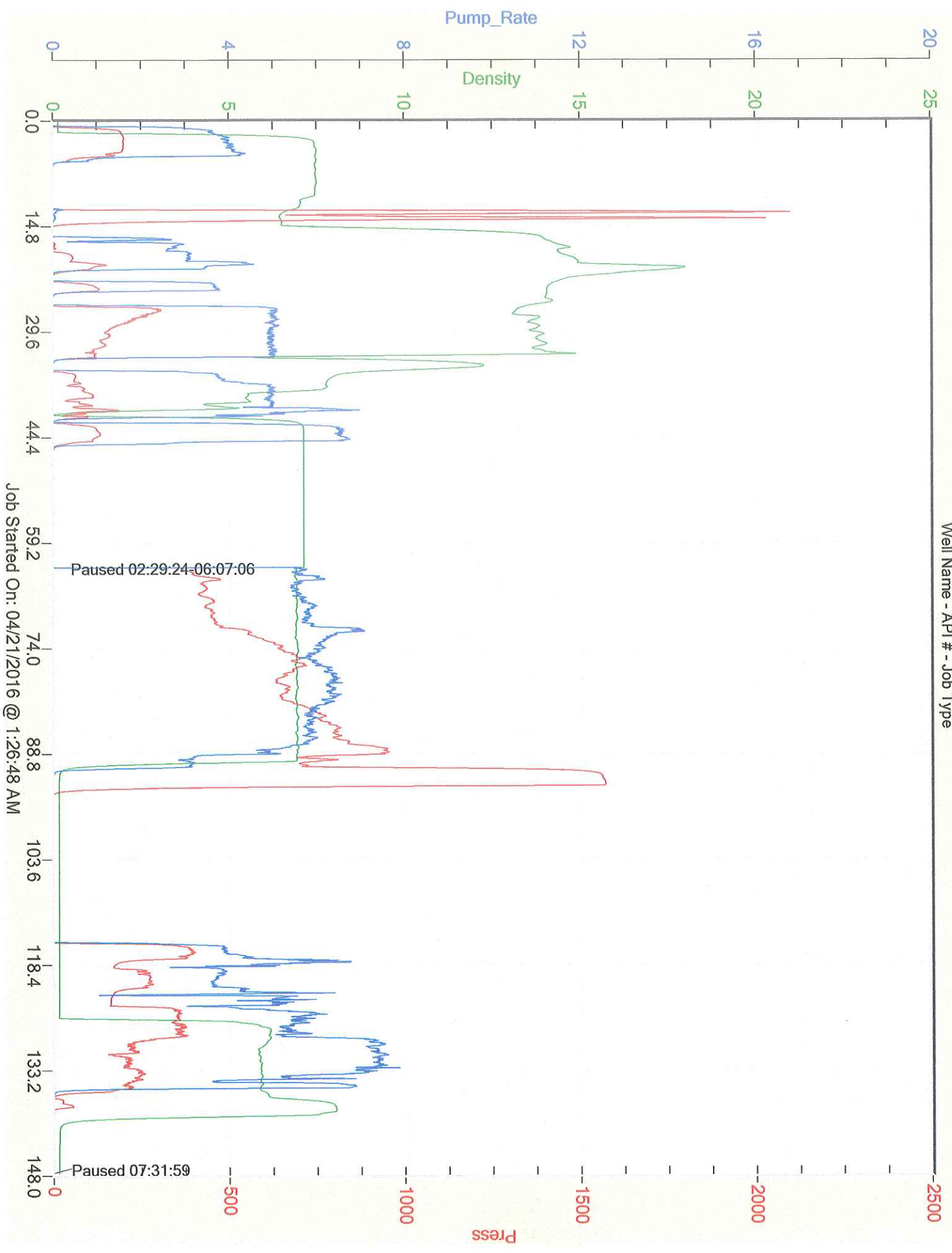
Employees:	Emp. ID:	Employees:	Emp. ID:
ALDO ESPINOZA			
LENNY BAEZA			
RAMON ESCARCEGA			
Equipment:			
984-			
994-550			
993-1066			

Well Information						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	7	26	6.276	J-55	0	5,514
SHOE	7	26	6.276	J-55	5,471	5,514
OPEN HOLE	8 3/4					5579
STAGE TOOL	7	26	6.276	J-55		5151

Materials - Pumping Schedule						
STAGE #1						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	HIVIS SWEEP	12	8.33	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Lead 1	ALLIED 50/50 POZ BLEND - CLASS H	110	13.59	1.61	7.37	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.42	% BWOC	46.2	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	550.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	27.5	lbm	
CA-200	SODIUM CHLORIDE	6.13921	% BWOW	675.3	lbm	
CA-500	GYPSUM	4.2	% BWOC	462.0	lbm	
CD-100	CEMENT DISPERSANT	0.168	% BWOC	18.5	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	WATER	38.3	8.33	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 2	DRILLING MUD	171.2	9.20	n/a	n/a	
STAGE #2						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Stg 2 Spacer 1	HIVIS SWEEP	12	8.33	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Stg 2 Lead 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	140	13.32	1.87	9.56	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	65.8	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	700.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	35.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Stg 2 Disp. 1	FRESH WATER	197.3	8.33	n/a	n/a	

Job Number: LIB1604211212		Job Purpose: 02 Production/Long String			
Customer: MERIT ENERGY COMPANY			Date: 4/21/2016		
Well Name: GCCU		Number: 406 W	API/UWI:		
County: HASKELL		City: SUBLETTE	State: KS		
Cust. Rep: RODNEY GONZALEZ		Phone:	Rig Phone: 0		
Distance: 50 miles (one way)		Supervisor: Aldo Espinosa			
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
4/20/2016					DATE
1000PM					ARRIVE TO LOCATION, RIG UP
4/21/2016					CASING ON BOTTOM
100AM					RIG UP HEAD, CIRCULATE
135AM			12	4	12 BBL HIVIS SWEEP
140AM	3000				PRESSURE TEST LINES
142AM				3	CEMENT RAT N MOUSE
151AM	200		29	4	17 BBL SLURRY
203AM					WASH TO PIT
209AM	200			4	DROP PLUG, START DISPLACEMENT
214AM			47	4	AT 18 BBL GONE, A WELDED COLLAR
					FROM CASING LANDING JOINT, BROKE
					DOWN, CASING FALL IN TO HOLE
					RIG GONE FISHING FOR CASING
5:55am					Rigging up head to casing again
					only been down 3hr 50mins on 6hr pump time
6:05am	480		47	5	Back with displacement of 40 bbls of water
					and 169 bbls of mud
6:07am	485		70	5	40 bbls gone swapping to mud
6:37am	1500		239	3	Slowed down to 3bpm to land the plug
					1500 psi and landed the plug
6:38am	0				Release the psi and float holding
6:40am					Dropped opening tool waiting 20 mins
7:00am	450				Started pumping took 450 psi to open tool
					swapped to rig to circulate for 4 hr
1100AM					second stage
1107AM	70		12	4	12 BBL HIVIS SWEEP
1115AM	110		59	4	47 BBL SLURRY
1130AM				3	WASH TO PIT, DROP PLUG
1135AM	70			3	START DISPLACEMENT
1200PM	250		199	4	140 BBL GONE CATCH CEMENT
1205PM	420		219	4	160 BBL GONE
1208PM	650		239	4	180 BBL GONE
1212PM	700		256	3	197 BBL GONE, BUMP PLUG
1216PM	1500				CHECK FLOATS, DIDN'T HOLD
1218PM	2300				PRESSURE BACK
1222PM	0				HOLDING
1245PM					RIG DOWN
120PM					LEAVE LOCATION
					GOOD CIRCULATION DURING
					ENTIRE JOB

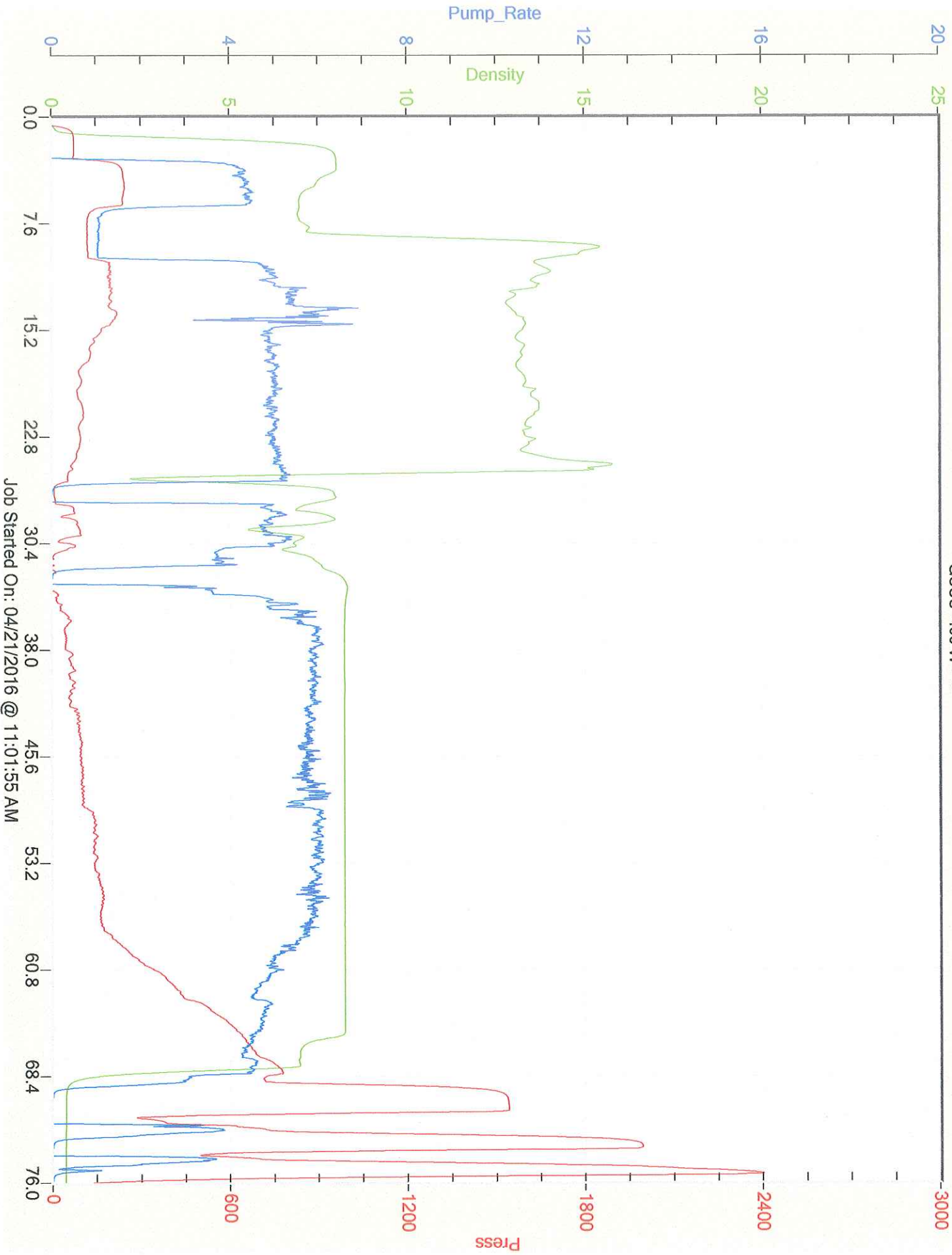
Well Name - API # - Job Type  
*First stage*  
**CUSTOMER**



Job Started On: 04/21/2016 @ 1:26:48 AM

# MERIT ENERGY SECOND STAGE

GCCU 406 W - -



Job Started On: 04/21/2016 @ 11:01:55 AM



CEMENT MIXING WATER GUIDELINES

Company Name:

**MERIT ENERGY COMPANY**

Lease Name:

**GCCU # 406 W**

County

State

**HASKELL**

**KS**

Water Source:

**TANK**

Submitted By:

Date:

**Aldo Espinosa**

**4/21/2016**

pH Level

**GOOD**

Must be less than 8.5

Sulfates

**GOOD**

Must be less than 1,000 PPM

Chlorides

**GOOD**

Must be less than 3,000 PPM

Temperature

**70**

COMMENTS

[Empty box for comments]

Thank You

Customer Signature

*Roy Mark*





Customer: MERIT ENERGY COMPANY  
 Date: Thursday, April 21, 2016  
 Well Name: GCCU # 406  
 Well Location: SUBLETTE  
 Supervisor: Aldo Espinosa

Equipment Operators: ALDO ESPINOZA - LENNY BAEZA - RAMON ESCARCEGA

Performance	Customer	
Was the appearance of the personnel and equipment satisfactory?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the job performed in a professional manner?	<input type="radio"/> Yes	<input type="radio"/> No
Were the calculations prepared and explained properly?	<input type="radio"/> Yes	<input type="radio"/> No
Were the correct services dispatched to the job site?	<input type="radio"/> Yes	<input type="radio"/> No
Were the services performed as requested?	<input type="radio"/> Yes	<input type="radio"/> No
Did the job site environment remain unchanged?	<input type="radio"/> Yes	<input type="radio"/> No
Did the equipment perform in the manner expected?	<input type="radio"/> Yes	<input type="radio"/> No
Did the materials meet your expectations?	<input type="radio"/> Yes	<input type="radio"/> No
Was the crew prepared for the job?	<input type="radio"/> Yes	<input type="radio"/> No
Was the crew prompt in the rig-up and actual job?	<input type="radio"/> Yes	<input type="radio"/> No
Were reasonable recommendations given, as requested?	<input type="radio"/> Yes	<input type="radio"/> No
Did the crew perform safely?	<input type="radio"/> Yes	<input type="radio"/> No
Was the job performed to your satisfaction?	<input type="radio"/> Yes	<input type="radio"/> No
Customer Signature: <i>Rodney Myzala</i>	Date: <i>4-21-16</i>	
Additional Comments:		
<i>Good Job!</i>		