



*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:

<b>204.37 bbl</b>	<b>450</b>	<b>Sacks of 12.1 ppg</b>
<b>Class A Slurry -</b>	<b>2.55</b>	<b>Yield</b>

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

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	

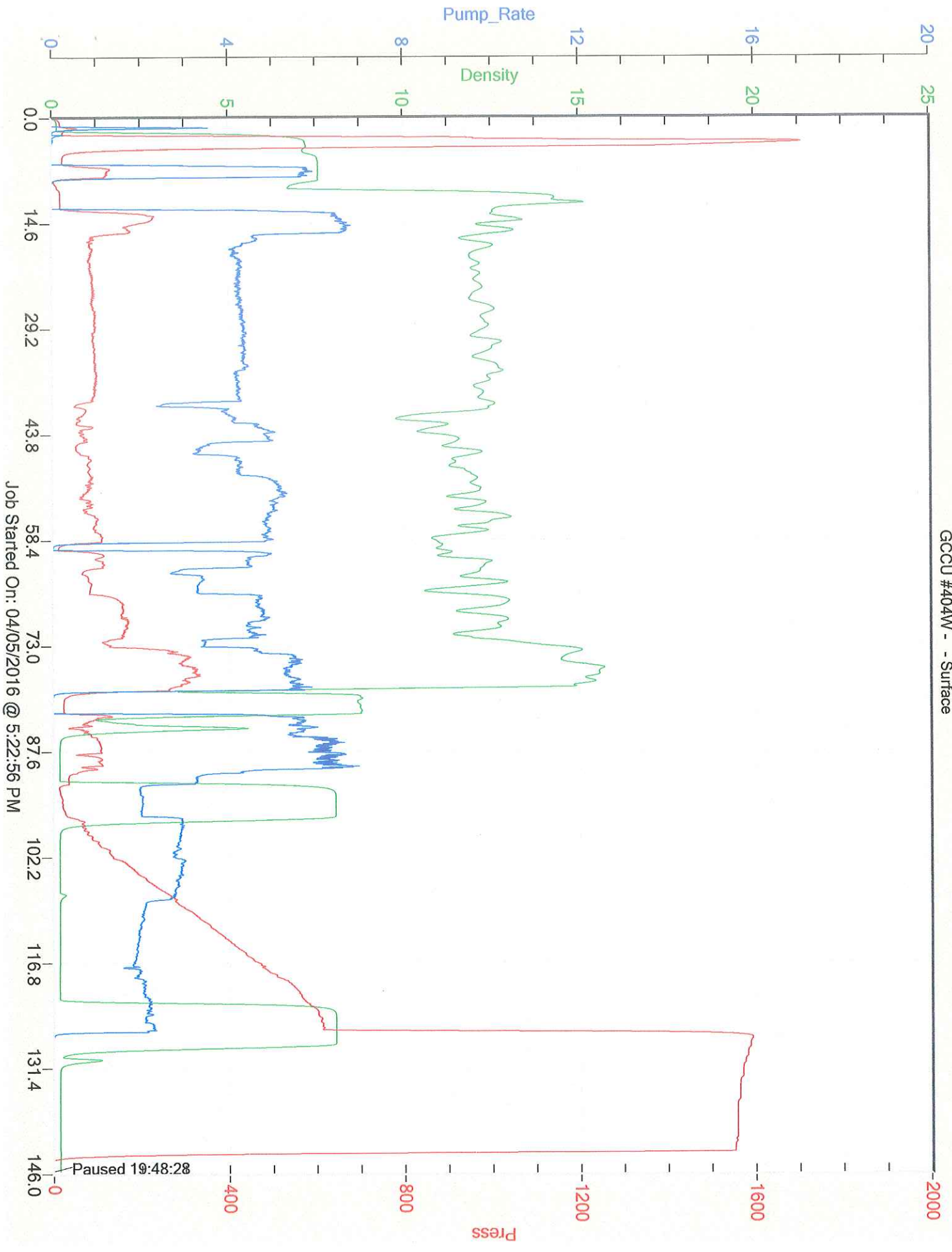
Slurry: Tail 1		Slurry Name: CLASS A COMMON				
Quantity:	140 sacks	Blend Vol:	149.88 cu.ft. cu.ft.	Blend Weight:	13493.2 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	13160.0	lbm	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	263.2	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: <b>Lib1604051930</b>		Job Purpose <b>01 Surface</b>				
Customer: <b>MERIT ENERGY COMPANY</b>				Date: <b>4/5/2016</b>		
Well Name: <b>GCCU</b>		Number: <b>404W</b>		API/UWI:		
County: <b>Haskell</b>		City: <b>Sublette</b>		State: <b>KS</b>		
Cust. Rep:		Phone:		Rig Phone: <b>0</b>		
Distance <b>50 miles (one way)</b>			Supervisor <b>Lenny Baeza</b>			
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
						<b>LOST TOTAL RETURNS</b>
	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

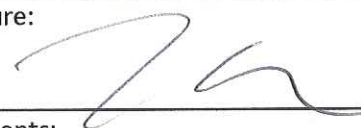




Customer: MERIT ENERGY COMPANY  
 Date: Tuesday, April 05, 2016  
 Well Name: GCCU # 404W  
 Well Location: Sublette  
 Supervisor: Lenny Baeza

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:  
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 \_\_\_\_\_  
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