

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	Griffin Cox Chester Unit 405W
Doc ID	1311794

All Electric Logs Run

ANNULAR HOLE VOLUME PLOT 5 INCH CASING
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 INCH
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2 INCH
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5 INCH
BOREHOLE COMPENSATED SONIC ARRAY LOG
QUAD COMBO LOG
REPEAT SECTION

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	Griffin Cox Chester Unit 405W
Doc ID	1311794

Tops

Name	Top	Datum
Heebner	4131	
Toronto	4150	
Lansing	4226	
Kansas City	4637	
Marmaton	4765	
Pawnee	4865	
Cherokee	4907	
Atoka	5130	
Morrow	5182	
Chester	5314	
St Genevieve	5435	



Depend on US

Post Job Report

Merit Energy

GCCU 405

3/16/2016

8.625" Surface Casing

Finney County, KS





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Merit Energy
GCCU 405
Finney County, KS

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 405.

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 2500 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:

158.95 bbl	350 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 100 Bbls of Fresh Water. The plug bumped and was pressured to 1560 psi. Upon release the floats held. 31 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: LIB1603160020		Job Purpose 01 Surface	
Customer: MERIT ENERGY COMPANY			Date: 3/16/2015
Well Name: GCCU		Number: #405	
County: Haskell		Sublette	
City: Sublette		State: KS	
Cust. Rep:		Rig Phone:	
Distance 50 miles (one way)		Supervisor Edgar Rodriguez	

Employees:	Emp. ID:	Employees:	Emp. ID:
Edgar Rodriguez	#N/A		
Lenny Baeza	#N/A		
Lorenzo Rios	#N/A		
Oscar Sigala	#N/A		

Equipment:	
	1039
	994
	956
	774
	550
	841
	744

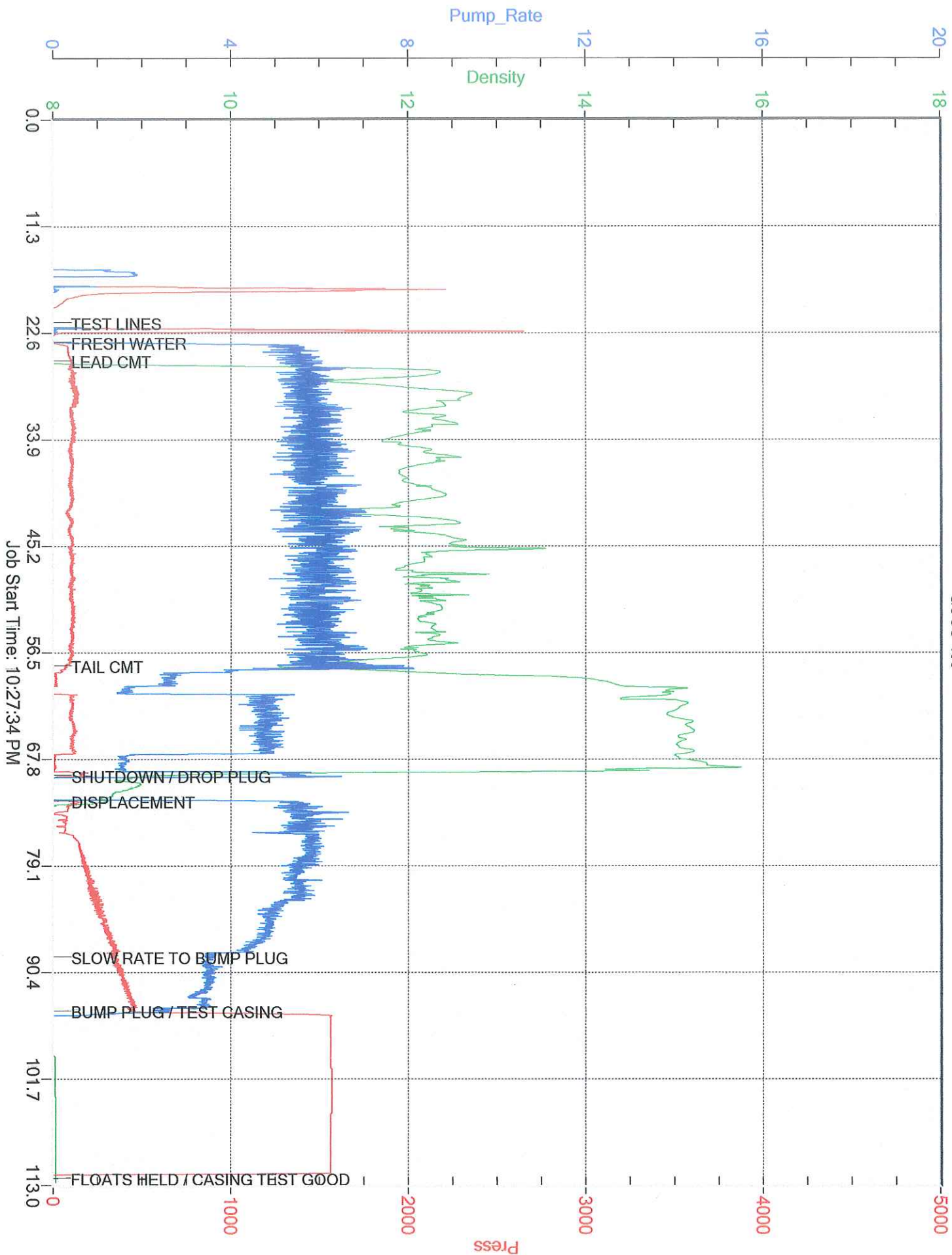
Materials - Pumping Schedule					
STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	350	12.10	2.55	14.86
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	140	15.20	1.27	5.75
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	107.4978489	8.33	n/a	n/a

Slurry: Lead 1						Slurry Name: ALLIED MULTI-DENSITY CEMENT - CLASS A Light	
Quantity:	350 sacks	Blend Vol:	435.37 cu.ft.	Blend Weight:	37472.9866 lbs		
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM		
CCAC	CLASS A COMMON	94	% Base Material	32900.0	lbm		
CA-500	GYP SUM	1.88	% BWOC	658.0	lbm		
CA-400	SODIUM METASILICATE	1.88	% BWOC	658.0	lbm		
Cgel	GEL - BENTONITE	3.76	% BWOC	1316.0	lbm		
CA-200	SODIUM CHLORIDE	2.475676	% BWOW	866.5	lbm		
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	987.0	lbm		
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	87.5	lbm		
Water	Mixing Water	14.86	gal/sk	5201	gal		

Slurry: Tail 1						Slurry Name: CLASS A COMMON	
Quantity:	140 sacks	Blend Vol:	147.55 cu.ft.	Blend Weight:	13458.2 lbs		
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM		
CCAC	CLASS A COMMON	94	% Base Material	13160.0	lbm		
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	263.2	lbm		
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	35.0	lbm		
Water	Mixing Water	5.75	gal/sk	805.0	gal		

Job Number: LIB1603160020		Job Purpose 01 Surface	
Customer: MERIT ENERGY COMPANY			Date: 3/16/2015
Well Name: GCCU		Number: #405	
County: Haskell		Sublette	
City: Sublette		State: KS	
Cust. Rep:		Rig Phone: 0	
Distance 50 miles (one way)		Supervisor Edgar Rodriguez	

DATE	TIME	PRESSURE - (psi)		FLUID PUMPED DATA		COMMENTS
		CASING	ANNULUS	VOLUME	RATE (BPM)	
3/15/2016	7:00:00 PM					ARRIVE ON LOCATION
3/15/2016	7:10:00 PM					SPOT EQUIPMENT
3/15/2016	7:10:00 PM					RIG RUNNING CASING
3/15/2016	9:45:00 PM					CASING ON BOTTOM
3/15/2016	9:52:00 PM					STAB CMT HEAD AND RIG UP LINES TO CIRCULATE
3/15/2016	10:28:00 PM					CASING CREW OUT OF WAY / RIG UP IRON ON GROUND
3/15/2016	10:38:00 PM					SAFETY MEETING
3/15/2016	10:48:00 PM	2500				TEST LINES 2500 PSI
3/15/2016	10:50:00 PM	80		10	5	10 BBLs FRESH WATER
3/15/2016	10:52:00 PM	100		159	6	350 SKS LEAD CMT (159 BBLs @12.1)
3/15/2016	11:28:00 PM	120		32	4	140 SKS TAIL CMT (32 BBLs @15.2)
3/15/2016	11:37:00 PM					SHUTDOWN / DROP PLUG
3/15/2016	11:40:00 PM				4	100 BBLs DISPLACEMENT
3/15/2016	11:54:00 PM	120		69	4	CMT BACK TO SURFACE AT 69 BBLs GONE
3/15/2016	11:59:00 PM	430		90	3	SLOW RATE TO BUMP PLUG
3/16/2016	12:03:00 AM	460		100	3	BUMP PLUG @460 PSI AND UP TO 1560 PSI / TEST CASING
3/16/2016	12:18:00 AM	1560				HELD FLOATS FOR 15 MINUTES / CASING TESTED GOOD / 1 BBL BACK
3/16/2016	12:20:00 AM					END JOB / FULL CIRCULATION ENTIRE JOB / 31 BBLs CMT RETURNS
3/16/2016	12:25:00 AM					RIG DOWN
3/16/2016	1:25:00 AM					CREW LEAVE LOCATION





Customer: MERIT ENERGY COMPANY
 Date: Monday, March 16, 2015
 Well Name: GCCU # #405
 Well Location: Sublette
 Supervisor: Edgar Rodriguez

Equipment Operators: Edgar Rodriguez - Lenny Baeza - Lorenzo Rios - Oscar Sigala

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 checked="" type="radio"/> Yes	<input type="radio"/> No
Were the calculations prepared and explained properly?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were the correct services dispatched to the job site?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were the services performed as requested?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the job site environment remain unchanged?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the equipment perform in the manner expected?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the materials meet your expectations?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the crew prepared for the job?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the crew prompt in the rig-up and actual job?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were reasonable recommendations given, as requested?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the crew perform safely?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the job performed to your satisfaction?	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Customer Signature: Kody Hoza Date: 3-15-16

Additional Comments: Good job!!



CEMENT MIXING WATER GUIDELINES

Company Name:

MERIT ENERGY COMPANY

Lease Name:

GCCU # #405

County

State

Haskell

KS

Water Source:

TANK

Submitted By:

Edgar Rodriguez

Date:

3/16/2015

pH Level

8

Must be less than 8.5

Sulfates

250

Must be less than 1,000 PPM

Chlorides

500

Must be less than 3,000 PPM

Temperature

60

Must be less than 100 deg F

COMMENTS

Thank You

Customer Signature





Depend on US

Post Job Report

Merit Energy

GCCU 405W

3/19/2016

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 405W 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:

22.23 bbl	65 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 10 bbl fresh water and 118 Bbls of WBM. The plug bumped and was pressured to 1300 psi. Upon release the floats held. The stage tool was did not open on five tries. Allied believes cement across the tool prevented tool from opening. Allied suggests switching to a 50/50H cement blend for the first stage of two stage jobs.

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: Lib1603190400		Job Purpose: 04 Port Collar/Stage	
Customer:	MERIT ENERGY COMPANY		Date: 3/19/2016
Well Name: GCCU	Number: #405		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:
Lenny Baeza		Paul Mazzalongo	
Ramon Escarcega			

Equipment:	Emp. ID:
994-550	774-744

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)
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	115	13.60	1.92	9.56
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	128.5979724	8.33	n/a	n/a

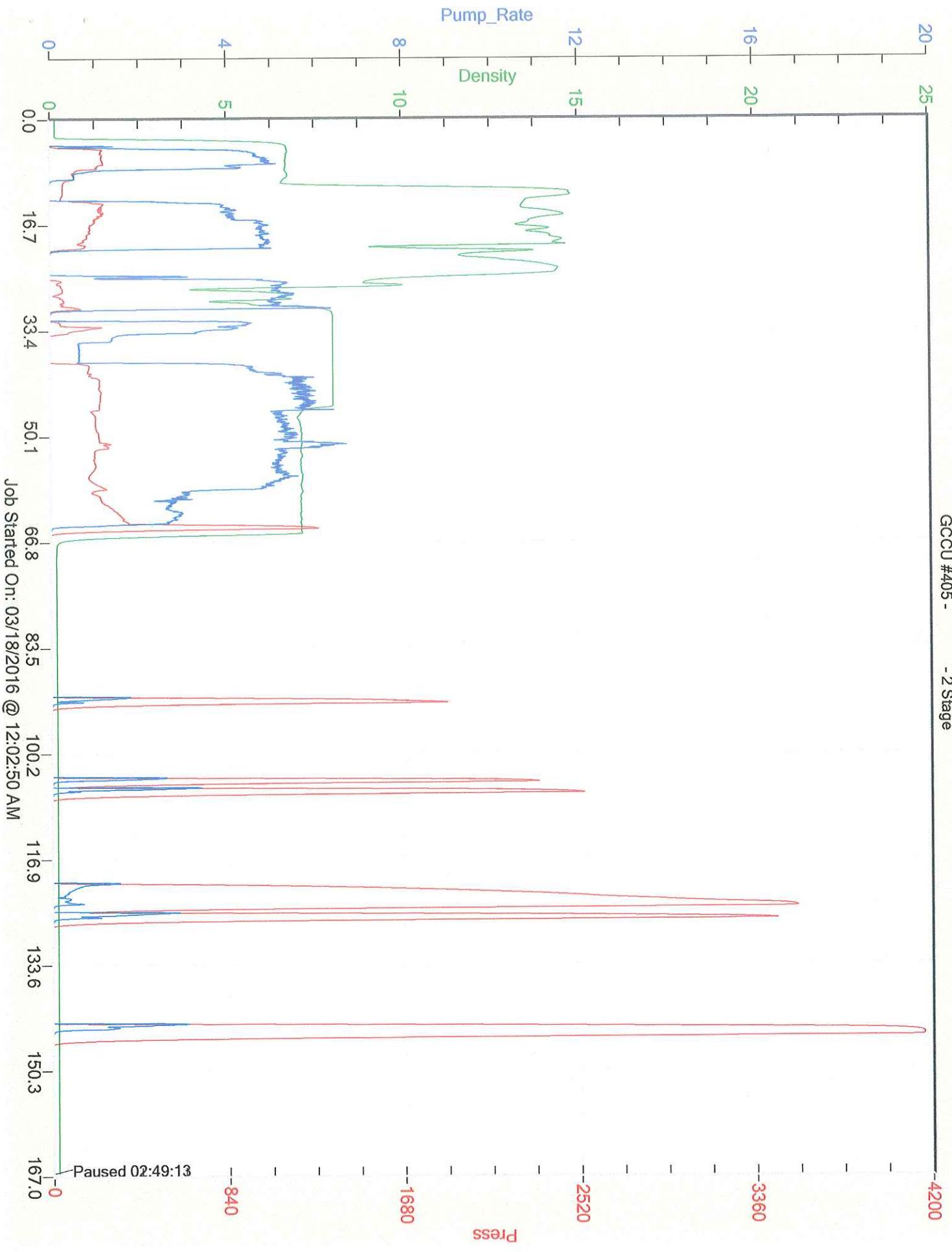
Slurry: Tail 1		Slurry Name: ALLIED SPECIAL BLEND CEMENT - CLASS A				
Quantity:	115 sacks	Blend Vol:	158.18 cu.ft.	cu.ft.	Blend Weight:	13248.4002 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	10810.0	lbm	
CA-200	SODIUM CHLORIDE	7.96348	% BWOW	915.8	lbm	
CA-500	GYPSUM	5.64	% BWOC	648.6	lbm	
CGEL	GEL - BENTONITE	1.88	% BWOC	216.2	lbm	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	54.1	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	575.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	28.8	lbm	
Water	Mixing Water	9.56	gal/sk	1099.4	gal	

Job Number: Lib1603190400		Job Purpose: 04 Port Collar/Stage				
Customer:	MERIT ENERGY COMPANY		Date: 3/19/2016			
Well Name: GCCU	Number: #405		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
	AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
3/18/2016	8:00pm					ARRIVE ON LOCATION
	11:30pm					SAFETY MEETING
	12:04am	380		12	3	12bbls of super flush ahead
	12:12am	340		34	5	Mixing Lead Cement 65 SK
	12:20am	0		34	0	End of cement washing to pit and dropping plug
	12:27am	0		34	3	Dropped plug and 10bbls

Cement Job Summary

					H2O the rest pumping MUD	
					lines to the pits	
	12:31am	60		44	2	10bbls of water gone swap
						to mud total of 118 bbls
	12:36am	230		64	4.5	20 bbls gone of MUD
	12:41am	310		84	4.5	40 bbls gone of MUD
	12:45am	315		104	4.5	60 bbls gone of MUD
	12:49am	320		124	4.5	80 bbls gone of MUD
	12:53pm	330		144	4.5	100 bbls gone of MUD
	12:56am	330		154	3	110 bbls gone of MUD
						slowing down to pass DV
	1:05am	1300		172	3	128 bbls gone and landed
						Plug
	1:08am	0				Released and float holding
	1:11am					Dropping Opening Tool
	1:26am	2000				Pumping to open tool 2000#
						and Tool not opening
	1:34am	2500				2500 psi and tool not opening
	1:55am	3500				Talked to company man
						Bring up PSI to 3500 psi
						and tool did not opening
	2:00am					getting released from location
	2:00am					Plugging Rat/Mouse Hole
	2:45am					Rigging down and leaving
						location







CEMENT MIXING WATER GUIDELINES

Company Name: MERIT ENERGY COMPANY

Lease Name: GCCU # #405

County Haskell State KS

Water Source: TANK

Submitted By: Lenny Baeza Date: 3/19/2016

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 56 Must be less than 100 deg F

COMMENTS

Thank You

Customer Signature 