

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	WHITE BEAR 16-1
Doc ID	1329092

All Electric Logs Run

ANNULAR HOLE VOLUME PLOT
ARRAY COMPENSATED TRUE RESISTIVITY LOG
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 LOG
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2 LOG
BOREHOLE COMPENSATED SONIC ARRAY LOG
DUAL SPACED NEUTRON SPECTRAL DENSITY LOG
MICROLOG
QUAD COMBO LOG
V

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WHITE BEAR 16-1
Doc ID	1329092

Tops

Name	Top	Datum
HEEBNER	4064	.
TORONTO	4109	.
LANSING	4141	.
MARMATON	4775	.
CHEROKEE	5093	.
ATOKA	5165	.
MORROW	5343	.
ST GENEVIEVE	5432	.
ST LOUIS	5700	.

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WHITE BEAR 16-1
Doc ID	1329092

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4415-4419 Drum	Acid-12 bbls of 20% Acid HCL, 20 bbls of 2% KCL for flush	4415-4419
	RBP@4384		4384
4	4191-4193 Lansing C	Acid-250 gals of Acid 15% HCL & flushed w/ 10 bls of 2% KCL water	4191-4193
4	4136-4140 Lansing B	Acid-200 gals of 20%HCL acid & 24.5 bls of 2% KCL Flush	4136-4140
		Acid-750 gals of Acid 20% HCL 24.5 bls of 2% KCL water flush	



Depend on US

Post Job Report

Merit Energy

White Bear 16-1

9/25/2016

8.625" Surface Casing

Haskell County, KS





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Merit Energy
White Bear 16-1
Haskell 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 White Bear 16-1.

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 2000 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:

181.66	bbl	400	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

39.58	bbl	175	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 94 Bbls of Fresh Water. The plug bumped and was pressured to 900 psi. Upon release the floats held.

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: Lib1609251329	Job Purpose: 01 Surface
Customer: MERIT ENERGY COMPANY	Date: 9/25/2016
Well Name: White Bear	Number: 16-1
County: Haskell	City: Sublete
Cust. Rep:	Phone:
Legal Desc:	Rig Name: Duke Drilling#9
Distance: 50 miles (one way)	Supervisor: Hector Esqueda

Employees:	Emp. ID:	Employees:	Emp. ID:
Hector E		Carlos I.	
Victor G		Jose C.	

Equipment:
903-541
774-1066
956-841

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	12 1/4	110%	1345	1,580	TAIL CEMENT	
OPEN HOLE	12 1/4	110%	0	1,345	LEAD CEMENT	
OPEN HOLE	12 1/4			0		
OPEN HOLE	12 1/4					
Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,580
SHOE	8 5/8	24	8.097	J-55	1,538	1,580

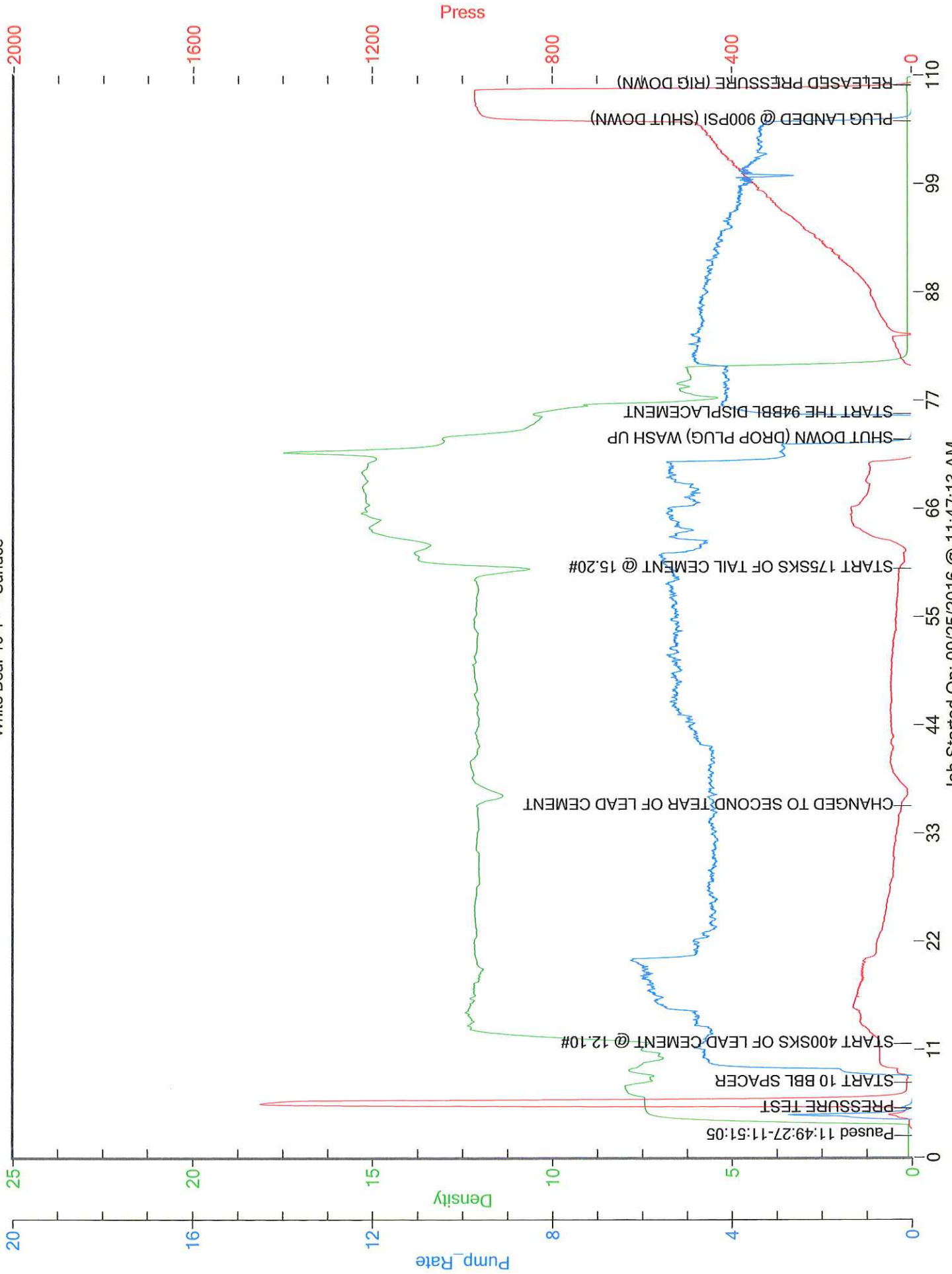
Materials - Pumping Schedule						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	Fresh Water	10	8.33	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	400	12.10	2.55	14.86	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1128.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	200.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	CLASS A COMMON	175	15.20	1.27	5.74	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	329.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	87.5	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	Displacement	97.94531495	8.33	n/a	n/a	

Job Number: Lib1609251329	Job Purpose: 01 Surface
Customer: MERIT ENERGY COMPANY	Date: 9/25/2016
Well Name: White Bear	Number: 16-1
County: Haskell	City: Sublete
Cust. Rep:	Phone:
Distance: 50 miles (one way)	Rig Name: Duke Drilling#9
	Supervisor: Hector Esqueda
	0

Cement Job Summary

TIME AM/PM	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	CASING	ANNULUS	VOLUME	RATE (BPM)	
8:30					arrived to location
					waiting on casing crew
10:30					rig up
11:30					prime up
11:52	70		10	4.5	start the 10bbl spacer
11:55	80		181	4.7	start the 400 sks of lead cement @12.10#
12:20	0			5.5	switched to second tear of lead cement
12:42	100		39	5.5	start the 175 sks of tail cement @15.2#
12:56					shut down (drop the plug) wash up tub
12:59	0		94	4	start the 94 bbl displacement
13:03	0		10	4.3	10bbls gone
13:06	40		20	4.8	20 bbls gone
13:09	50		30	4.5	30 bbls gone
13:11	100		40	4.5	40 bbls gone
13:14	170		50	4.6	50 bbls gone
13:17	250		60	4.3	60 bbls gone
13:21	320		70	4	70 bbls gone
13:24	410		80	3.5	80 bbls gone
13:27	480		90	3.5	90 bbls gone
13:29	900		94		plug landed at 900PSI (shut down)
					wait a few minutes to make sure the
					plug help
13:32					released pressure
					Rig down

Merit Energy Company
White Bear 16-1 - - Surface



Job Started On: 09/25/2016 @ 11:47:13 AM



CEMENT MIXING WATER GUIDELINES

Company Name: MERIT ENERGY COMPANY

Lease Name: White Bear # 16-1

County Haskell State KS

Water Source: TANK

Submitted By: Hector Esqueda Date: 9/25/2016

pH Level 7 Must be less than 8.5

Sulfates 400 Must be less than 1,000 PPM

Chlorides 0 Must be less than 3,000 PPM

Temperature 64

COMMENTS

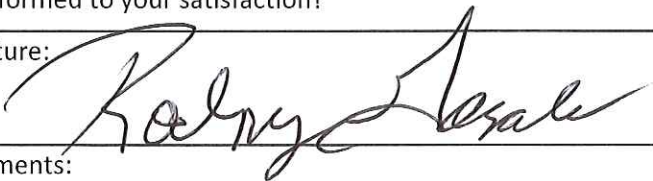

Thank You

Customer Signature 



Customer: MERIT ENERGY COMPANY
Date: Sunday, September 25, 2016
Well Name: White Bear # 16-1
Well Location: Sublete
Supervisor: Hector Esque

Equipment Operators: Carlos, Victor and Jose

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: 	Date: <u>9-25-16</u>	
Additional Comments:		



Depend on US

Post Job Report

Merit Energy

White Bear 16-1

9/28/2016

5.5" Production Casing

Haskell County, KS





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Merit Energy
White Bear 16-1
Haskell 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 White Bear 16-1.

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 plugging the rat hole and mouse hole with 50 sacks of ASC and then began pumping 12 bbls of HiVis Sweep spacer. We then mixed and pumped the following cements:

109.42 bbl	320 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 top plug was then released and displaced with 130 Bbls of Fresh Water. The plug bumped and was pressured to 2500 psi. Upon release the floats held.

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: Lib1609281721	Job Purpose: 02 Production/Long String
Customer: MERIT ENERGY COMPANY	Date: 9/28/2016
Well Name: White Bear	Number: 16-1
County: Haskell	City:
Cust. Rep: 	Phone:
Legal Desc: 	Rig Name: Duke Drilling#9
Distance: 50 miles (one way)	Supervisor: Hector Esqueda

Employees:	Emp. ID:	Employees:	Emp. ID:
Hector E.		Carlos I.	
Jose C.			

Equipment:	
903-541	1080-842

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	7 7/8	30%	3000	5,700	TAIL CEMENT	
OPEN HOLE	7 7/8			3,000	LEAD CEMENT	
OPEN HOLE	7 7/8					
OPEN HOLE	7 7/8					
Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	8 5/8	24	8.097	J55	0	1,480
TOTAL CASING	5 1/2	17	4.892	J55	0	5,700
SHOE	5 1/2	17	4.892	J55	5,658	5,700

Materials - Pumping Schedule						
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	370	13.60	1.92	9.56	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	173.9	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	1850.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	92.5	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	Displacement	131.5269935	8.33	n/a	n/a	

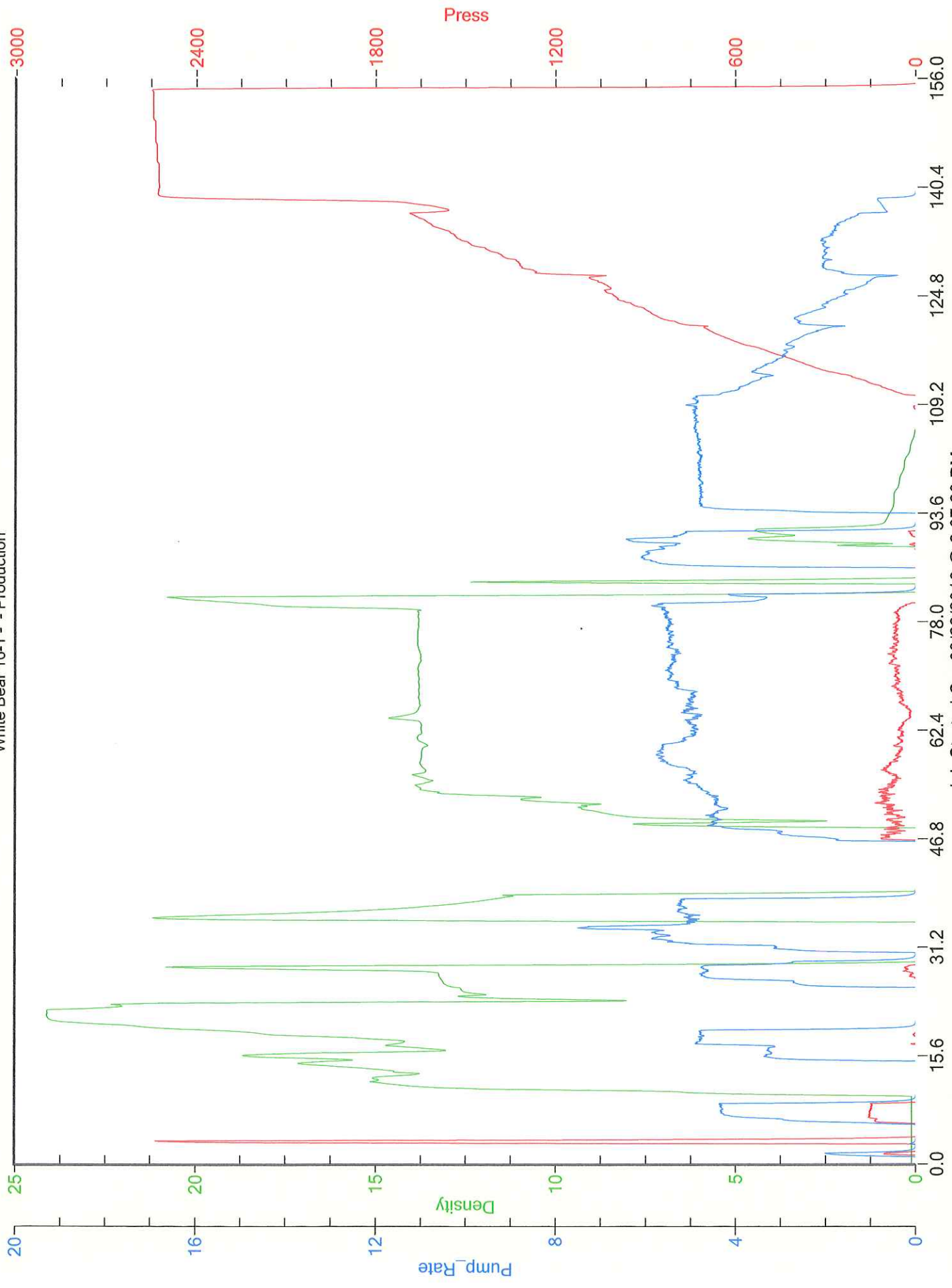
Job Number: Lib1609281721	Job Purpose: 02 Production/Long String			
Customer: MERIT ENERGY COMPANY	Date: 9/28/2016			
Well Name: White Bear	Number: 16-1			
County: Haskell	City: 			
Cust. Rep: 	Phone: 			
Distance: 50 miles (one way)	Rig Phone: 0			
	Supervisor: Hector Esqueda			
TIME	PRESSURE - (PSI)	FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	
			RATE (BPM)	
13:30				arrived to location

Cement Job Summary

13:45					rig up iron
15:05	2500				pressure test to 2500 psi
15:08	120		12	3	start pumping the 12 bbl havis sweep
15:09	160			4	increased rate on the sweep
15:11					shut down and close manifold open
					up one inch valve to plug up rat hole
15:18	0		10	3.4	start plugging the rat hole
15:26					shut down and swich stand pipe to the
					mose hole to plug it
15:28	0		6	2.7	start plugging the mouse hole
15:33					shut down and switch over to wash up my
					tanks over to the pit
15:44	170		109	5	start tail cement @ 13.6#
16:25					shut down (drop the plug)
					and close in manifold to wash up to the pit
16:28					wash up tub and truck
16:34					shut down! Shut the one inch valve
					and open up the top valve on manifold
					to start displacement
16:36	0		130	5	start displacement
16:41			20	5	20 bbls gone
16:45			40	5	40 bbls gone
16:49			60	5	60 bbls gone
16:56	170		80	3.7	80 bbls gone
17:01	670		100	2.5	100 bbls gone
17:13	1380		120	2	120 bbls gone
17:21	2500		130	0	plug landed @ 2500PSI
					(shut down) hols pressure @ 2500psi for
					15 minutes to test the casing
17:36	0				released pressure plug held good
					rig down
					released from location @ 1900

Merit Energy Company

White Bear 16-1 - Production



Job Started On: 09/28/2016 @ 3:07:30 PM



CEMENT MIXING WATER GUIDELINES

Company Name:

MERIT ENERGY COMPANY

Lease Name:

White Bear # 16-1

County

Haskell

State

KS

Water Source:

TANK

Submitted By:

Hector Esqueda

Date:

9/28/2016

pH Level

7

Must be less than 8.5

Sulfates

400

Must be less than 1,000 PPM

Chlorides

0

Must be less than 3,000 PPM

Temperature

64

COMMENTS

Thank You

Customer Signature



Customer: MERIT ENERGY COMPANY
Date: Wednesday, September 28, 2016
Well Name: White Bear # 16-1
Well Location: _____
Supervisor: Hector Esqueda

Equipment Operators: Carlos I, and Jose C.

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:

9-28-16

Additional Comments:

Good Job!