



Depend on US

Post Job Report

Merit Energy

Longbow 2-10

9/3/2016

5.5" 2-Stage Production Casing

Grant 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 Longbow 2-10 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 85 sacks and then began pumping 12 bbls of HiVis Sweep spacer. We then mixed and pumped the following cements:

1st Stage:

21.77 bbl	75 Sacks of 13.6 ppg
50/50:Class H Slurry -	1.63 Yield
10.0% Salt	
5.0% Gypsum	
2.0% Gel	
0.5% CFL-210	
0.2% CD-100	
5.0 lb Kol-Seal	
0.25 lb Cellophane Flake	

2nd Stage:

82.07 bbl	240 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 136 bbl. The plug bumped and was pressured to 1200 psi. Upon release the floats held. The opening tool was dropped, and Allied waited 30 minutes before opening the tool. The second stage was displaced with 128.9 bbl.

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: LIK1609040135	Job Purpose: 02 Production/Long String		
Customer: MERIT ENERGY COMPANY	Date: 9/3/2016		
Well Name: Longbow	Number: 2-10	API/UWI:	
County: Grant	City:	State: KS	
Cust. Rep:	Phone:	Rig Phone:	
Legal Desc:	Rig Name: DUKE DRILLING#9		
Distance: 50 miles (one way)	Supervisor: Lenny Baeza		

Employees:	Emp. ID:	Employees:	Emp. ID:
Lenny B.		Carlos I	
Victor G.		Hector E.	
Kenny B.	#N/A		
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%	5416.8	5,909		
OPEN HOLE	7 7/8			5,417		
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	J-55	0	1,480
TOTAL CASING	5 1/2	17	4.892	J55	0	5,909
STAGE TOOL	5 1/2	17	4.892	J55		5,417
SHOE	5 1/2	17	4.892	J55	5,865	5,909

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 50/50 POZ BLEND - CLASS H	160	13.60	1.63	7.46	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.42	% BWOC	67.2	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	800.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	40.0	lbm	
CA-500	GYP SUM	4.2	% BWOC	672.0	lbm	
CA-200	SODIUM CHLORIDE	6.21418	% BWOW	994.3	lbm	
CGEL	GEL - BENTONITE	1.68	% BWOC	268.8	lbm	
CD-100	CEMENT DISPERSANT	0.168	% BWOC	26.9	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 3	Displacement	136.3422111	0.00	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	240	13.60	1.92	9.56	

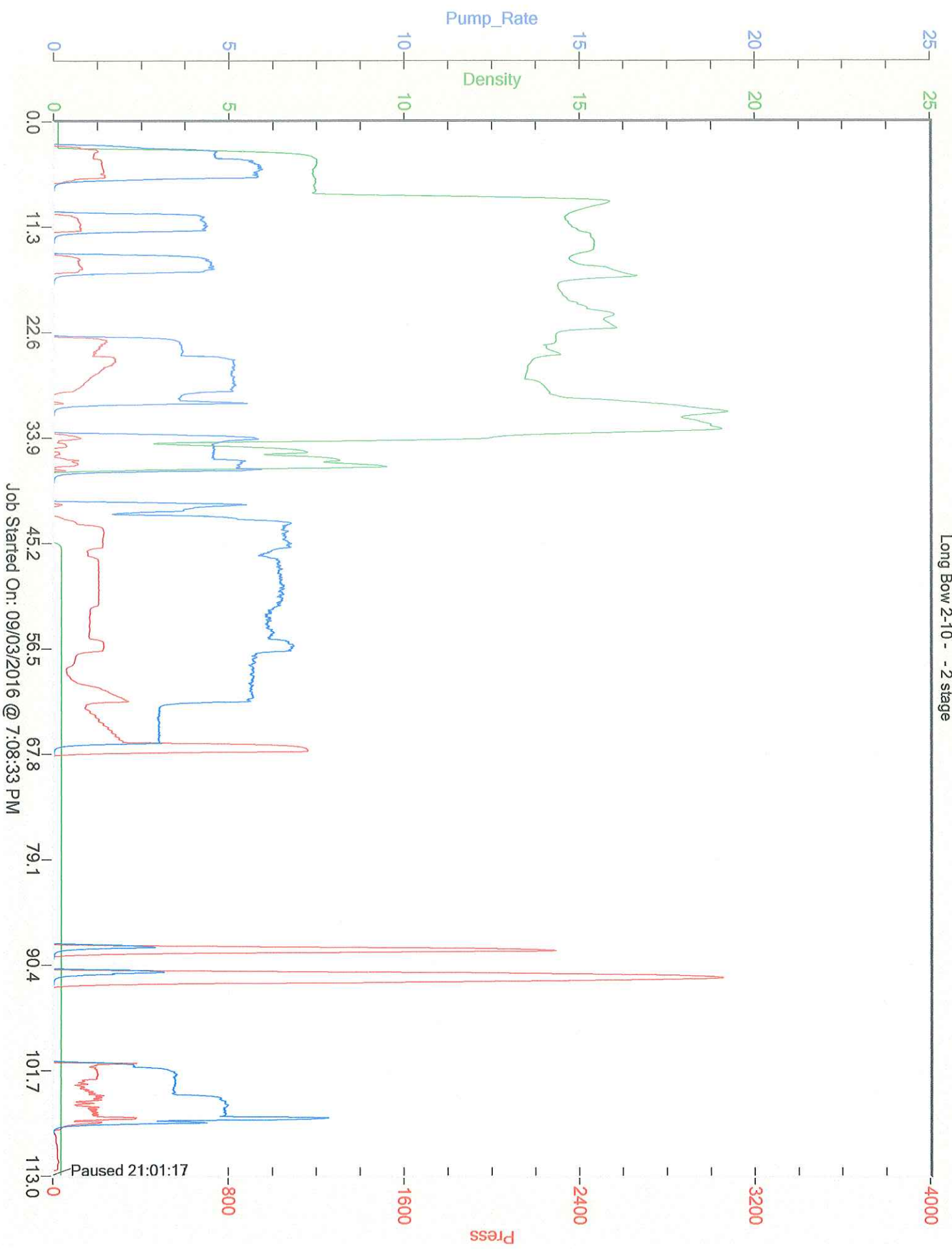


Cement Job Summary

Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	112.8	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	1200.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	60.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Disp. 1	Displacement	125.9200103	0.00	n/a	n/a

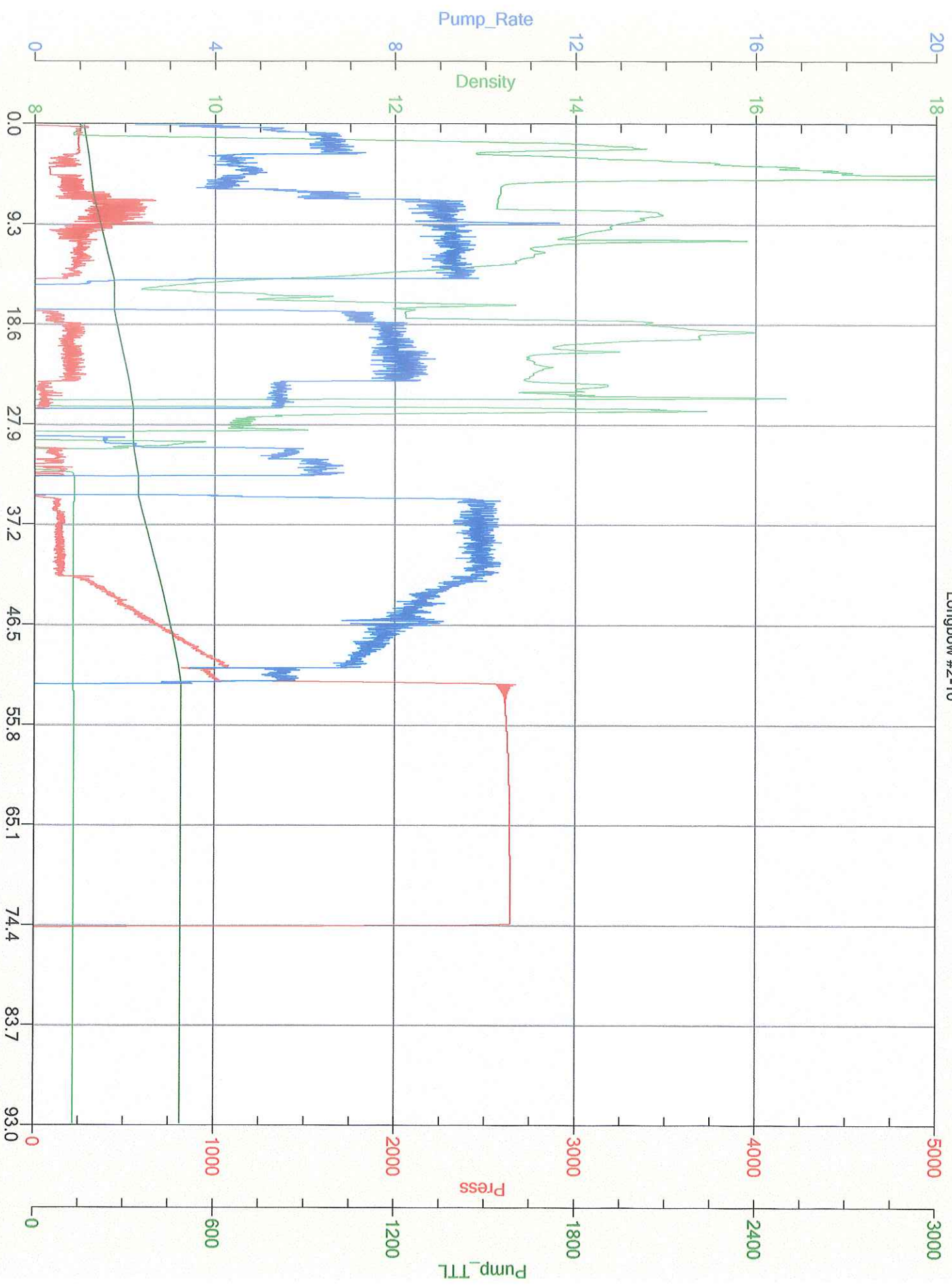
Job Number: LIK1609040135		Job Purpose: 02 Production/Long String			
Customer: MERIT ENERGY COMPANY			Date: 9/3/2016		
Well Name: Longbow		Number: 2-10			
County: Grant		City: _____ State: KS			
Cust. Rep: _____		Phone: _____ Rig Phone: 0			
Distance: 50 miles (one way)		Supervisor: Lenny Baeza			
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	CASING	ANNULUS	VOLUME	RATE (BPM)	
9/3/2016					On location @5:00pm
5:30pm					Rigging up to well head
6:45pm					Safety meeting with crew/ company man
7:11pm	180		12	4	Pumping 12bbbls of super flush ahead
7:18pm	110		20	3	Swapping valves to plug mouse/ rat hole
			25	3	Plugged rat/mouse hole swapping valves to well head
7:31pm	230		46	5	Pumping 75sk (21.5 slurry)
7:49pm	80			5	Plug left head and doing displacement
7:41pm	210		76	6	30 bbbls gone
7:56pm	380		166	6	110bbbls gone
8:10pm	265		176	3	120bbbls gone slowing down for DV tool
8:15pm	1200		192	3	136bbbls gone and landed plug 1200psi
					Pressure holding and release and had 1bbbls to the truck going up stairs to drop opening tool and preload plug
0021	100		81.9	9	Pumping 240 sacks of tail ASC
0050	0		10	5	Shut Down wash pumping lines
0054	100		0	9	Drop plug start disp
0101	380		65	9	Cought Cement
0105	650		80	9	80 bbbls gone
0110	850		100	9	100 bbbls gone
0115	2500		128.9	6	Landed plug
0116	2500				Test casing for 15 min at 2500 PSI
0135	0				Released Press and check floats got 1/2 bbl
0136					Crew rig down and released

Merit Energy
Long Bow 2-10 - 2 stage



Job Started On: 09/03/2016 @ 7:08:33 PM

Merit Energy 2nd Stage Longbow #2-10





CEMENT MIXING WATER GUIDELINES

Company Name:

MERIT ENERGY COMPANY

Lease Name:

Longbow # 2-10

County

State

Grant

KS

Water Source:

TANK

Submitted By:

Date:

Lenny Baeza

9/3/2016

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

72

COMMENTS

Thank You

Customer Signature

A handwritten signature in black ink, appearing to read 'Rudy Lopez', written over a horizontal line.



Customer: MERIT ENERGY COMPANY
Date: Saturday, September 03, 2016
Well Name: Longbow # 2-10
Well Location:
Supervisor: Lenny Baeza

Equipment Operators: Lenny B. - Carlos I - Victor G. - Hector E. - Kenny B.

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: *Rodriguez* Date: 9-3-16

Additional Comments:
Great job!