



Merit Energy

Surface Post Job Report

LCSLU 204 15-046-721839

Grant KS

Quote #:

Execution #:





Merit Energy

Attention: Mr. Daniel Coats | (972) 628-1613 | Daniel.Coats@meritenergy.com

Merit Energy | 13727 Noel Rd, Suite 1200 | Dallas, TX 75240

Dear Mr. Daniel Coats,

Thank you for the opportunity to provide cementing services on this well. BJ Services strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact BJ Services at any time.

Sincerely,
Kevin Aldridge
Sales Engineer | (405) 423-6862 | kevin.aldridge@bjservices.com

Cementing Treatment



Start Date	10/27/2017	Well	LCCLU 204
End Date	12/30/2017	County	Grant
Client	MERIT ENERGY COMPANY	State/Province	KS
Client Field Rep	Rodney Gonzales	API	15-046-721839
Service Supervisor		Formation	
Field Ticket No.	8.625" Surface	Rig	
District	Liberal, KS	Type of Job	Surface

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	12.25			1,465.00	1,465.00	0.00		
Open Hole	12.25			950.00	950.00	130.00		
Casing	8.10	8.63	24.00	1,455.00	1,455.00		J-55	LTC

Shoe Length (ft): 42

HARDWARE

Bottom Plug Used?	No	Tool Type	
Bottom Plug Provided By		Tool Depth (ft)	
Bottom Plug Size		Max Tubing Pressure - Rated (psi)	
Top Plug Used?	No	Max Tubing Pressure - Operated (psi)	
Top Plug Provided By	BJ	Max Casing Pressure - Rated (psi)	2,500.00
Top Plug Size	8.625	Max Casing Pressure - Operated (psi)	2,000.00
Centralizers Used	No	Pipe Movement	
Centralizers Quantity	10.00	Job Pumped Through	Manifold
Centralizers Type	Bow	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,428	Top Connection Size	8.625

CIRCULATION PRIOR TO JOB

Cementing Treatment



Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	No	10 sec SGS	
Circulation Time (min)	30.00	10 min SGS	
Circulation Rate (bpm)	6.00	30 min SGS	
Circulation Volume (bbls)	250.00	Flare Prior to/during the Cement Job	No
Lost Circulation Prior to Cement Job	No	Gas Present	No
Mud Density In (ppg)	9.50	Gas Units	
Mud Density Out (ppg)			
PV Mud In			
PV Mud Out			
YP Mud In			
YP Mud Out			

TEMPERATURE

Ambient Temperature (°F)	48.00	Slurry Cement Temperature (°F)	70.00
Mix Water Temperature (°F)	65.00	Flow Line Temperature (°F)	

BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Lead Slurry	Multi Density Cement	12.1000	2.5410	14.71	355	901.0000	160.4000
Tail Slurry	Class A Cement	15.2000	1.2692	5.74	175	222.0000	39.4000

Fluid Type	Fluid Name	Component	Concentration	UOM
Lead Slurry	Multi Density Cement	CEMENT, CLASS A	100.00	PCT
Lead Slurry	Multi Density Cement	CEMENT EXTENDER, SODIUM METASILICATE, A-2	2.00	BWOB

Cementing Treatment



Lead Slurry	Multi Density Cement	SALT, Sodium Chloride, Medium	2.00 BWOB
Lead Slurry	Multi Density Cement	CEMENT EXTENDER, GYPSUM, A-10	2.00 BWOB
Lead Slurry	Multi Density Cement	EXTENDER, BENTONITE	4.00 BWOB
Lead Slurry	Multi Density Cement	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	3.00 BWOB
Lead Slurry	Multi Density Cement	IntegraSeal CELLO	0.50 LBS/SK
Tail Slurry	Class A Cement	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.00 BWOB
Tail Slurry	Class A Cement	CEMENT, CLASS A	100.00 PCT
Tail Slurry	Class A Cement	IntegraSeal CELLO	0.50 LBS/SK

TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
	Multi Density Cement	5.00	160.40			
	Class A Cement	4.00	39.40			

	Min	Max	Avg
Pressure (psi)	0.00	2,000.00	450.00
Rate (bpm)	3.00	6.00	4.00

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	
Calculated Displacement Volume (bbls)	89.90	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	89.90	Amount of Spacer to Surface	10.00
Did Float Hold?	No	Pressure Left on Casing (psi)	0.00
Bump Plug	No	Amount Bled Back After Job	0.50
Bump Plug Pressure (psi)	1,100.00	Total Volume Pumped (bbls)	300.00
Were Returns Planned at Surface	No	Top Out Cement Spotted	No

Cementing Treatment



Cement returns During Job Full Lost Circulation During Cement Job No

CEMENT PLUG

Bottom of Cement Plug? No Wiper Balls Used? No
Wiper Ball Quantity Plug Catcher No
Number of Plugs

SQUEEZE

Injection Rate (bpm) Fluid Density (ppg)
Injection Pressure (psi) ISIP (psi)
Type of Squeeze FSIP (psi)
Operators Max SQ Pressure (psi)

COMMENTS

Treatment Report

Job Summary

pump 10 bbls of water spacer, 160.6 bbls of lead cement
39.5 bbls of tail cement, displacement total bbls 89.9bbls
bump plug and check for float

Customer Name Merit Energy
 Well Name LCSLU 204
 Job Type Surface

District Liberal
 Supervisor Victor Corona-Marta
 Engineer Kevin Aldridge

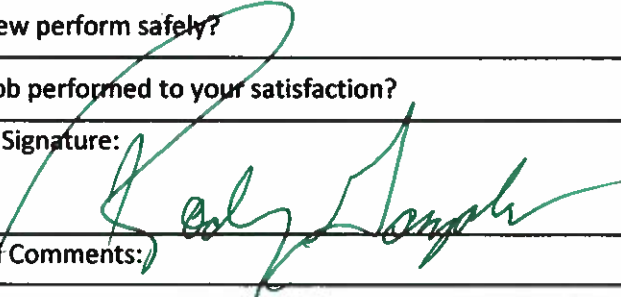


Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	10/27/2017 15:30	Mobilization	Arrive on location	Cement Pump Truck	48					Arrived at location
2	10/27/2017 15:45	Standby	Other (See comment)		82					Casing crew was rigging up
3	10/27/2017 18:00	Operational	Rig Up	Cement Pump Truck	50					Rig up to rig
4	10/27/2017 18:30	Operational	Safety Meeting		53					Safety Meeting with rig crew and BI crew
5	10/27/2017 18:45	Operational	Pressure Test	Cement Pump Truck	54			1500		pressure test lines to 1500psi
6	10/27/2017 18:47	Operational	Pump Spacer	Cement Pump Truck	56	8.33	5	10	50	water spacer 10bbls
7	10/27/2017 18:49	Operational	Pump Lead Cement	Cement Pump Truck	58	12.1	6	160	90	lead cement 160 bbls
8	10/27/2017 19:15	Operational	Pump Tail Cement	Cement Pump Truck	60	15.2	6	39.5	120	tail cement 39.5 bbls
9	10/27/2017 19:25	Operational	Drop Top Plug		63					drop plug/wash pump on top of plug
10	10/27/2017 19:26	Operational	Start Pumping	Cement Pump Truck	55	8.33	6	89.9		start displacement total 89.96bbls of water
11	10/27/2017 19:33	Operational	Pump Displacement	Cement Pump Truck	64	8.33	6	20	30	20bbls gone
12	10/27/2017 19:36	Operational	Pump Displacement	Cement Pump Truck	64	8.33	6	40	50	40bbls gone
13	10/27/2017 19:39	Operational	Pump Displacement	Cement Pump Truck	64	8.33	6	60	90	60bbls gone
14	10/27/2017 19:43	Operational	Pump Displacement	Cement Pump Truck	64	8.33	6	79	110	79bbls gone slow down rate to 3bbls/minute
15	10/27/2017 20:00	Operational	Land Plug	Cement Pump Truck	67	8.33	3	89	810	bump plug/check float
16										
17	10/27/2017 19:36	Operational								had 70 bbls of cement to surface
18	10/27/2017 20:05	Operational								had 1 bbls on water returns
19										
20	10/27/2017 20:10	Operational								rig down
21										
22										crew and I thanked the company man and
23										rig crew for job opportunity
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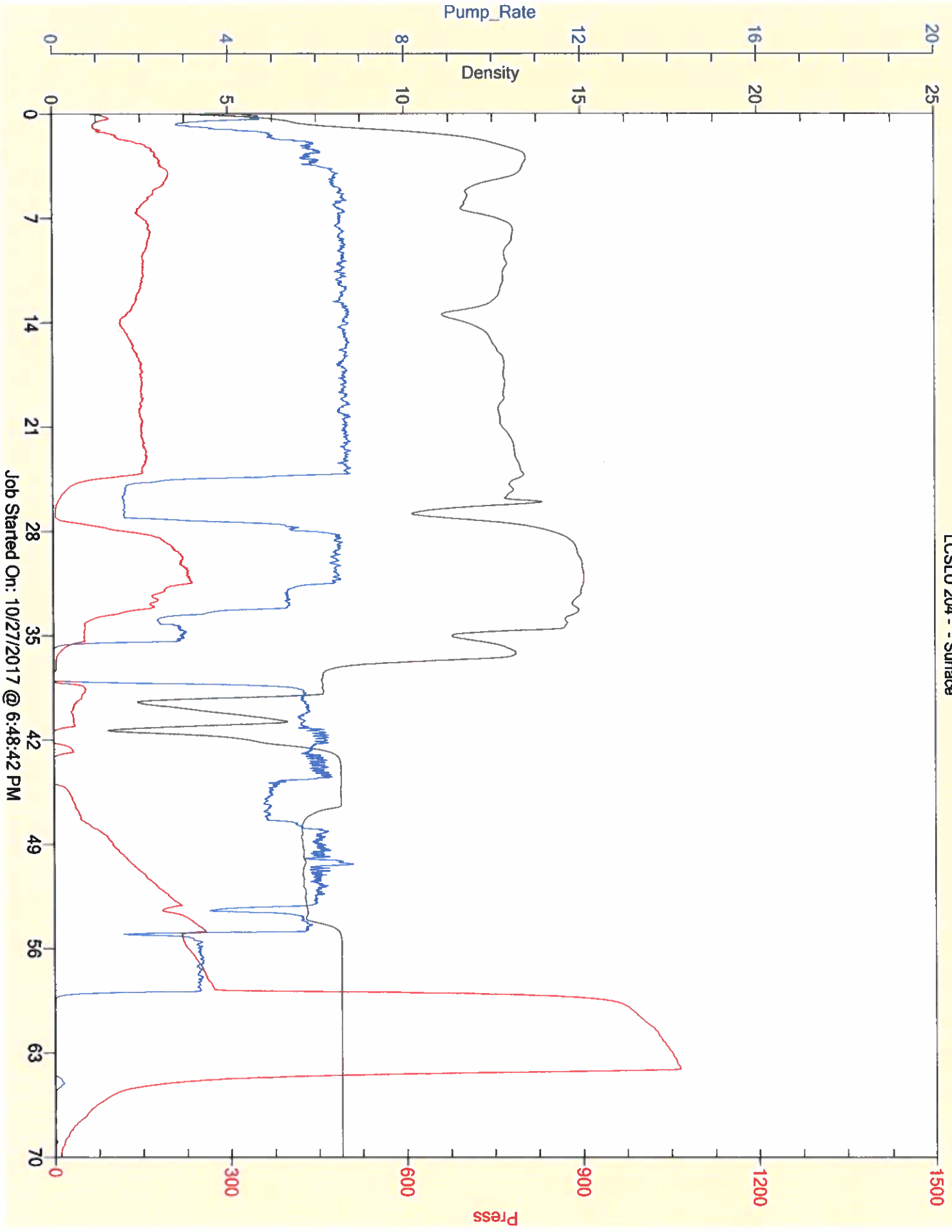


Customer: MERIT ENERGY COMPANY
Date: Friday, October 27, 2017
Well Name: LCCLU 204
Well Location: Ulysses, Kansas
Supervisor: Victor Corona-Marta

Equipment Operators: Victor Corona-Marta - Victor Garcia - Jaime Torres - Carlos Ibarra

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: 	Date: <u>10-27-17</u>	
Additional Comments:	<u>Bad Job!</u>	

Merit Energy
LCSLU 204 - - Surface



Job Started On: 10/27/2017 @ 6:48:42 PM



CEMENT MIXING WATER GUIDELINES

Company Name: **MERIT ENERGY COMPANY**

Lease Name: **LCSLU 204**

County: **Grant County** State: **KS**

Water Source: **TANK**

Submitted By: **Victor Corona-Marta** Date: **10/27/2017**

pH Level	<u>7</u>	Must be less than 8.5
Sulfates	<u>400</u>	Must be less than 1,000 PPM
Chlorides	<u>0</u>	Must be less than 3,000 PPM
Temperature	<u>64</u>	

COMMENTS

Thank You

Customer Signature 