KOLAR Document ID: 1330254

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 # 32446
Name: Merit Energy Company, LLC
Address 1: 13727 NOEL RD STE 1200
Address 2:
City: DALLAS State: TX Zip: 75240 + __ __ __ __
Contact Person: IDANIA MEDINA
Phone: (620) 629-4228
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Merit Energy 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 #:

9/29/2016 Spud Date or Recompletion Date
10/2/2016 Date Reached TD
10/17/2016 Completion Date or Recompletion Date

API No.: 15-055-22438-00-00
Spot Description:
NW - SE - SW - SW Sec. 19 Twp. 25 S. R. 33 ☐ East ☑ West
335 Feet from ☐ North / ☑ South Line of Section
958 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Finney
Lease Name: JONES Well #: 19-1
Field Name: Wildcat
Producing Formation: Marmaton
Elevation: Ground: 2946 Kelly Bushing: 2959
Total Vertical Depth: 5200 Plug Back Total Depth: 5120
Amount of Surface Pipe Set and Cemented at: 1642 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: 1000 ppm Fluid volume: 444 bbls
Dewatering method used: Evaporated
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: 01/25/2017
☑ **Confidential Release Date:** 01/25/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/26/2017

Operator Name: Merit Energy Company, LLC Lease Name: JONES Well #: 19-1

Sec. 19 Twp. 25 S. R. 33 ☐ East ☑ West County: Finney

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☐ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	1642	CLASS A	600	SEE ATTACHED
Production	7.875	5.5	17	5165	CLASS A	250	SEE ATTACHED

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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:
10/18/2016	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	228		75		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top / Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Marmaton /

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: 2.8750 Set At: 4612 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	JONES 19-1
Doc ID	1330254

All Electric Logs Run

ANNULAR HOLE VOLUME LOG
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 LOG
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2 LOG
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5 LOG
BOREHOLE SONIC ARRAY LOG
MICROLOG
QUAD COMBO LOG
REPEAT SECTION
REPEAT SECTION QUAD COMBO
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	JONES 19-1
Doc ID	1330254

Tops

Name	Top	Datum
HEEBNER	3880	.
TORONTO	3898	.
LANSING	3929	.
KANSAS CITY	4324	.
MARMATON	4485	.
ALTAMONT	4509	.
PAWNEE	4579	.
CHEROKEE	4630	.
ATOKA	4820	.
MORROW	4874	.
CHESTER	4970	.
ST GENEVIEVE	5061	.
ST LOUIS	5084	.

Form	ACO1 - Well Completion
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Well Name	JONES 19-1
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	5001-5004 Morrow		5001-5004
6	4973-4983 Morrow		4973-4983
	CIBP@4960		4960
6	4508-4514 Altamont (Marmaton)	Acid-2500 gals of 20% HCL acid, flush w/ 32 bbls of 2% KCL water	4508-4514
		Acid-48 bbls of 20% HCL acid 28 bbls of 2% KCL flush. 30 bioballs every 12 bbls of acid	4508-4514

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	JONES 19-1
Doc ID	1330254

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1642	CLASS A	600	SEE ATTACHED
Production	7.875	5.5	17	5165	CLASS A	250	SEE ATTACHED

ALLIED OFS, LLC

Depend on US

Post Job Report

Merit Energy

Jones 19-1
9/30/2016
8.625” Surface Casing
Finney County, KS

Table of Contents:

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 Jones 19-1.

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:

193.02	bbl	425	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 102 Bbls of Fresh Water. The plug bumped and was pressured to 1500 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.

ALLIED OFS, LLC

Cement Job Summary

Job Number:	**Lib1609301708**	Job Purpose	**01 Surface**		
Customer:	**MERIT ENERGY COMPANY**			Date:	**9/30/2016**
Well Name:	**Jones**		Number: **19-1**	API/UWI:	
County:		City:		State:	**KS**
Cust. Rep:		Phone:		Rig 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	
Alex A		Cristian C	

Equipment:	
903-541	993-467
1080-842	

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	12 1/4	110%	1415	1,650	TAIL CEMENT
OPEN HOLE	12 1/4	110%	0	1,415	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	1,650
SHOE	8 5/8	24	8.097	J-55	1,608	1,650

Materials - Pumping Schedule

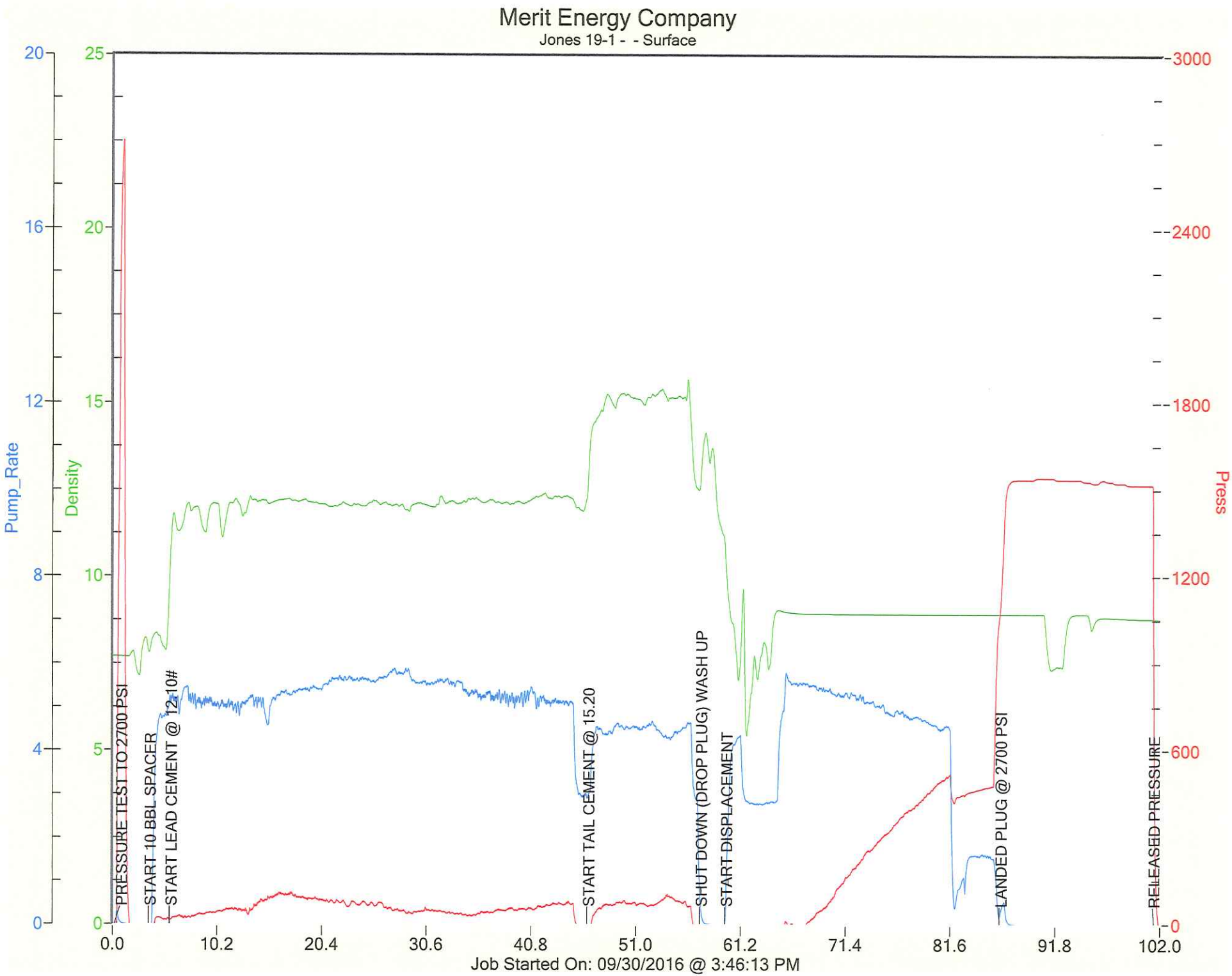
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	Fresh Water	10	8.33	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	425	12.10	2.55	14.86
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1198.5	lbm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	212.5	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	102.4031641	8.33	n/a	n/a

Job Number:	**Lib1609301708**	Job Purpose	**01 Surface**		
Customer:	**MERIT ENERGY COMPANY**			Date:	9/30/2016
Well Name:	**Jones**		Number: **19-1**	API/UWI:	
County:	**0**	City:		State:	**KS**
Cust. Rep:		Phone:		Rig Phone:	**0**
Distance	**50 miles (one way)**		Supervisor		**Hector Esqueda**

ALLIED OFS, LLC

Cement Job Summary

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
12:30					arrived to location
13:45					rig up iron
14:15					prime up
15:42	2700				pressure test to 2700PSI
15:45	0		10	4.5	start 10 bbl spacer
15:47	0		193	5.5	start lead cement @ 12.10#
16:27	20		39	5	start tail cement @ 15.20#
16:38					shut down (drop plug) wash up tub
16:41	0		102	4	start the 102bbl displacement
16:47	0		20	5.5	20 bbls gone
16:49	0		30	5.5	30 bbls gone
16:55	260		60	5.1	60 bbls gone
17:01	490		90	4.3	90 bbls gone
17:08	1500		102		landed plug @ 1500PSI (shut down)
					hold pressure for 15 minutes to test the
					casing.
17:23					released pressure and the plug held
					good got 1/2 bbl back to tank
					rig down iron, head, and manifold
					released from location 18:30


Merit Energy Company
Jones 19-1 - - Surface
Pump_Rate
Density
Press
20
16
12
8
4
0
25
20
15
10
5
0
3000
2400
1800
1200
600
0
PRESSURE TEST TO 2700 PSI
START 10 BBL SPACER
START LEAD CEMENT @ 12.10#
START TAIL CEMENT @ 15.20
SHUT DOWN (DROP PLUG) WASH UP
START DISPLACEMENT
LANDED PLUG @ 2700 PSI
RELEASED PRESSURE
0.0
10.2
20.4
30.6
40.8
51.0
61.2
71.4
81.6
91.8
102.0
Job Started On: 09/30/2016 @ 3:46:13 PM

ALLIED OFS, LLC

Company Name: MERIT ENERGY COMPANY

Lease Name: Jones # 19-1

County: State: KS

Water Source: TANK

Submitted By: Hector Esqueda Date: 9/30/2016

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

Customer Signature

Thank You

Customer:	MERIT ENERGY COMPANY
Date:	Friday, September 30, 2016
Well Name:	Jones # 19-1
Well Location:	
Supervisor:	Hector Esqueda

Equipment Operators: Carlos I, Cristian C, and Alex A.

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: Rodney Rozales	Date: 9-30-16	
Additional Comments: Good Job!!		

ALLIED OFS, LLC

Depend on US

Post Job Report

Merit Energy

Jones 19-1
10/4/2016
5.5” Production Casing
Finney County, KS

Table of Contents:

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 Jones 19-1.

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:

85.49 bbl	250 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 119 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.

ALLIED OFS, LLC

Cement Job Summary

Job Number:	Lib1610040600	Job Purpose	02 Production/Long String		
Customer:	MERIT ENERGY COMPANY			Date:	10/4/2016
Well Name:	Jones		Number: 19-1	API/UWI:	
County:	Finney	City:	Garden City KS	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:*
Jose C.		Ramon E.	
Lenny B.			

Equipment:	
994-550	993-467

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	7 7/8	30%	3380	5,165	TAIL CEMENT
OPEN HOLE	7 7/8			3,380	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	5,165
SHOE	5 1/2	17	4.892	J55	5,123	5,165

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	300	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	141.0	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	1500.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	75.0	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Displacement	119.0872551	8.33	n/a	n/a

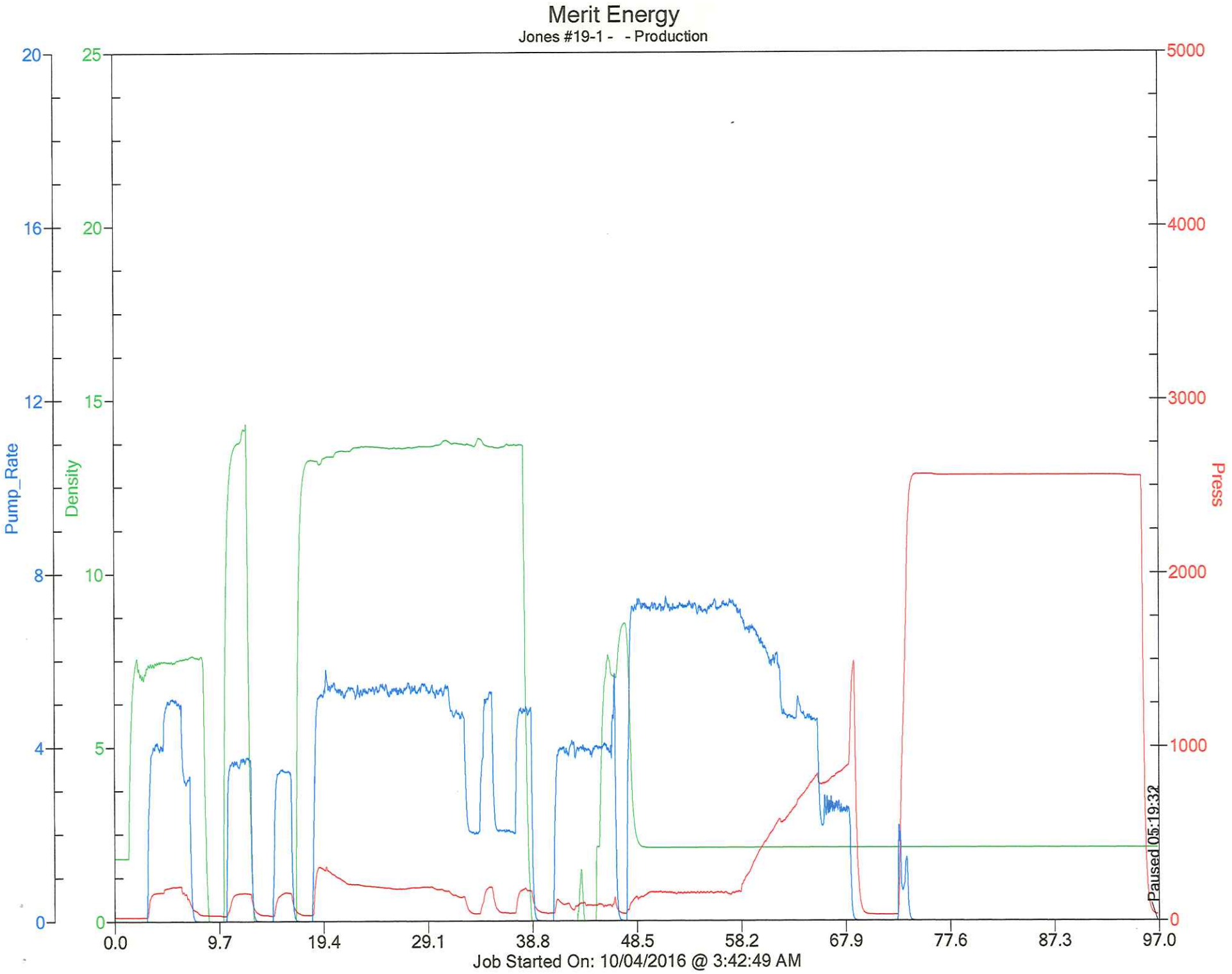
Job Number:	Lib1610040600	Job Purpose	02 Production/Long String		
Customer:	MERIT ENERGY COMPANY			Date:	10/4/2016
Well Name:	Jones		Number: 19-1	API/UWI:	
County:	Finney	City:	Garden City KS	State:	KS
Cust. Rep:		Phone:		Rig Phone:	0
Distance	50 miles (one way)			Supervisor	Lenny Baeza

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
10/4/2016					On location @ 2:00am

ALLIED OFS,LLC

Cement Job Summary

2:30am					Rigging up to well head
3:30am					Safety meeting with crew
	189		12	3	12 bbls of Super flush
3:46am	110		25	5	Plugging RAT/MOUSE HOLE
3:59am	293		114.4	5	Mixing Tail cement 250sk @13.8#
4:21am	0		114.4	0	Shut down and washing pumping lines to pits
4:30am	80		114.4	0	Released plug and started displacement of
					119bbls
4:34am	159		144.4	6	30bbls gone
4:38am	165		174.4	6	60bbls gone
4:43am	710		204.4	5	90bbls gone
4:48am	800		214.4	3	110bbls gone slowing down to land plug
4:53am	980/1500		223.4	0	119 bbls gone and landed plug 1800psi
					Release and float holding 1/2bbls back to truck
4:56am	2500				Pressure testing casing 2500psi for 20mins
5:16am	2500				
					Test was good rigging up and leaving
					location @ 6:00am


Merit Energy
Jones #19-1 - - Production
Pump_Rate
Density
Press
20
16
12
8
4
0
25
20
15
10
5
0
5000
4000
3000
2000
1000
0
0.0
9.7
19.4
29.1
38.8
48.5
58.2
67.9
77.6
87.3
97.0
Paused 05:19:32
Job Started On: 10/04/2016 @ 3:42:49 AM

ALLIED OFS, LLC

Company Name: MERIT ENERGY COMPANY

Lease Name: Jones # 19-1

County: Finney State: KS

Water Source: TANK

Submitted By: Lenny Baeza Date: 10/4/2016

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

Customer Signature

Thank You

Customer:	MERIT ENERGY COMPANY
Date:	Tuesday, October 04, 2016
Well Name:	Jones # 19-1
Well Location:	Garden City KS
Supervisor:	Lenny Baeza

Equipment Operators: Jose C. - Ramon E. - Lenny B.

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: Kody Hazle Date: 10-5-16		
Additional Comments: Good Job!!		