

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) (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	LCSLU 108
Doc ID	1384265

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	LCSLU 108
Doc ID	1384265

Tops

Name	Top	Datum
HEEBNER	3816	
TORONTO	3837	
LANSING	3900	
SWOPE	4349	
MARMATON	4484	
CHEROKEE	4714	
ATOKA	4955	
MORROW	5200	
ST GENEVIEVE	5604	
ST LOUIS	5657	
SPERGEN	5887	

FIELD TICKET

Client MERIT ENERGY COMPANY

Well LCSLU #108

Job Description Surface

Date October 13, 2017

Field Ticket # FT-00020-C6H0H20202-49266



MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100019	CEMENT, CLASS A	SK	530.0000	\$43.34	\$22,970.20	75.00	\$5,742.55
L100120	EXTENDER, BENTONITE	LB	1,335.0000	\$2.08	\$2,776.80	75.00	\$694.20
L100318	CEMENT EXTENDER, GYPSUM, A-10	LB	668.0000	\$0.72	\$480.96	75.00	\$120.24
L100275	CEMENT EXTENDER, SODIUM METASILICATE	LB	668.0000	\$3.28	\$2,191.04	75.00	\$547.76
L100495	SALT, Sodium Chloride, Medium	LB	871.0000	\$0.57	\$496.47	75.00	\$124.12
L100112	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	LB	1,331.0000	\$2.40	\$3,194.40	75.00	\$798.60
L100295	IntegraSeal CELLO	LB	265.0000	\$5.76	\$1,526.40	75.00	\$381.60
L013156	Cement Nose, 8-5/8 in.	EA	1.0000	\$460.00	\$460.00	75.00	\$115.00
L016033	Float Collars with aluminum flapper, 8-5/8 in.	EA	1.0000	\$1,214.00	\$1,214.00	75.00	\$303.50
L017068	CENTRALIZER, 8-5/8" NON-WELD	EA	10.0000	\$246.40	\$2,464.00	75.00	\$616.00
L86718	PLUG, CEMENT 8.6 TOP BJPL	EA	1.0000	\$287.04	\$287.04	75.00	\$71.76
L015399	Float collars with poppet valve, 8-5/8 in.	EA	1.0000	\$0.00	\$0.00	75.00	\$0.00
Product Material Subtotal:					\$38,061.31		\$9,515.33

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100049	Cement pump charge, 1,001-2,000 feet/ 301-600 m	4/HR	1.00	\$4,680.00	\$4,680.000	94.00	\$280.800 ✓
S-100475	Cement head	EA	1.00	\$2,656.00	\$2,656.000	94.00	\$159.360 ✓
S-100002	Mileage - vehicle light weight	MI	50.00	\$10.72	\$536.000	94.00	\$32.160 ✓
S-100001	Mileage - vehicle heavy weight	MI	50.00	\$18.96	\$948.000	94.00	\$56.880 ✓

FIELD TICKET

Client MERIT ENERGY COMPANY

Well LCLSLU #108

Job Description Surface

Date October 13, 2017

Field Ticket # FT-00020-C6H0H20202-49266



Field Ticket # FT-00020-C6H0H20202-49266

Credit Approval #

Client MERIT ENERGY COMPANY

Purchase Approval #

PO BOX 1293, LIBERAL, 67905-1293 **Invoice #**

Field Rep

Well

LCLSLU #108

Field Client Rep Hector Esqueda

Well API #

15-067-21841

District Liberal, KS

Well Type

Job Type Surface

Well Classification

Job Depth (ft) 1449'

County

USA

Gas Used On Job No

State/Province

KS

Field

Lease

FIELD TICKET

Client MERIT ENERGY COMPANY
Well LCSLU #108
Job Description Surface
Date October 13, 2017



Field Ticket # FT-00020-C6H0H20202-49266

S-100004	Cement Crew Mobilization- Demobilizaton Fee	EA	1.00	\$10,880.00	\$10,880.00	94.00	\$652.800 ✓
				Service Subtotal:	\$19,700.00		\$1,182.00

FIELD TICKET

Client MERIT ENERGY COMPANY
Well LCSLU #108
Job Description Surface
Date October 13, 2017



Field Ticket # FT-00020-C6H0H20202-49266

FIELD ESTIMATES

TOTAL GROSS AMOUNT \$57,761.310
TOTAL % DISC 80.588
TOTAL NET AMOUNT \$10,697.328

Arrive Location

Client Rep.

Well	LCSLU 108
AFE	54736
GL	83001075
Office	Wlyssas
Date	10-13-17

Service Order

I authorize work to begin per service instructions in accordance with the terms and conditions printed on the following pages of this form and represent that I have authority to accept and sign this order.

Service receipt

I certify that the materials and services listed were received and all services performed in a workmanlike manner.

BJ REPRESENTATIVE

Hector Esqueda

CLIENT AUTHORIZED AGENT



Customer Name Merit Energy Company
 Well Name LCSLU #108
 Job Type Surface

District Liberal
 Supervisor Hector Esqueda
 Engineer Kevin

Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	16:30									arrived on location
2	16:35	StandBy	3rd Party Other	Cement Pump Truck	84					waiting on casing crew to run in the casing
3	20:30	Mobilization	Spot Units	Cement Pump Truck	49					spot trucks
4	20:35	Operational	Rig Up		50					rig up iron
5	20:45	Operational	Prime Up	Cement Pump Truck	52					prime up
6	20:55	Operational	Safety Meeting		53					Hold STEACS/SAFETY MEETING
7	21:04	Operational	Pressure Test	Cement Pump Truck	54				2300	Pressure test lines to 2300PSI
8	21:07	Operational	Pump Spacer	Cement Pump Truck	56	8.33	6.3	10	170	start the 10bbl spacer of fresh water
9	21:08	Operational	Pump Lead Cement	Cement Pump Truck	58	12.1	6.3	161	200	start mixing the lead cement
10	21:23	Operational		Cement Pump Truck		12.1	7.4	110	110	110bbls of lead cement gone
11	21:32	Operational	Pump Tail Cement	Cement Pump Truck	60	15.2	6.5	40	150	start mixing the tail cement
12	21:41									shut down
13	21:42		Drop Top Plug		63					drop the plug wash up on top of plug
14	21:45	Operational	Pump Displacement	Cement Pump Truck	64	8.33	3.3	89	110	start the displacement
15	21:47	Operational	Cement Back to Surface	Cement Pump Truck	66		4	9	100	cement start to circulate to surface
16	21:49	Operational	Pump Displacement	Cement Pump Truck	64	8.33	7.2	20	180	20bbls gone
17	21:53	Operational	Pump Displacement	Cement Pump Truck	64	8.33	8.1	50	320	50bbls gone
18	21:57	Operational	Pump Displacement	Cement Pump Truck	64	8.33	3	80	400	80bbls gone slow rate to 3bpm to land plug
19	21:59	Operational	Land Plug	Cement Pump Truck	67			89	1000	landed plug @ 1000PSI
20	22:04	Operational	Check Floats	Cement Pump Truck	68					got 1/4 bbl back to tanks
21	22:08	Operational	Safety Meeting		53					Hold AAR meeting
22	22:15	Operational	Rig Down		73					rig down iron and head
23										
24										80bbls of cement circulated to surface
25										released from location @ 2300

Call Sheet



Service Line: Cementing

Yard Call:

Job Code: Surface

RTS Date:

of Zone of Total Zone: 1 of 1

District: Liberal, KS

Client Name: MERIT ENERGY COMPANY

Month Year:

Client Information	
Client:	20001275
AFE/PO #:	
Client Rep On Loc:	
Phone #:	
Order Placed By:	
Phone #:	
Proposed Job Amount:	\$10,697.33
Job Information	
Job #:	13
Proposal #:	QUO-00071-M2C1D6
Order Taken By:	
Order Date:	10/12/2017
Salesman:	Kevin Aldridge
Tech Writer:	Kevin Aldridge
Job Status:	Not Started

Well Information	
API #:	15-067-21841
Field Name:	
Formation:	
Rig Name:	Duke #9
Rig Phone:	
Drilling Contractor:	
Country / Parish:	Grant
State:	KS
Latitude:	
Longitude:	
Township:	
Section:	
Range:	

Job Parameters	
Hole Size:	12.25
Cement Depth:	1450.00
Total Estd.Disp.Vol:	0.00
Water Resource:	
Hole Depth:	1450.00
Mud Density:	8.50
Mud Type:	Brine Based
Est. BHCT:	84.50

Top Connection		
Size	Type	Thread

Tubular Data			
Type	OD (in)	ID (in)	MD (ft)
Open Hole		12.250	1,450.00
Open Hole		12.250	950.00
Casing	8.63	8.097	1,450.00

Hardware	
Qty	Description

Call Sheet



1	Cement Nose, 8-5/8 in.
1	Float collars with poppet valve, 8-5/8 in.
10	CENTRALIZER,8-5/8"NON-WELD
1	PLUG,CEMENT 8.6 TOP BJPL

COMMENTS

JOB INSTRUCTIONS

Need to 5 1/2 take 20 centralizers, 5 1/2" Flimsy latch down, 5 1/2" AFU guide shoe and 5 1/2" DV Tool and a 5 1/2 cement basket

DIRECTIONS TO WELL

Ulysses KS: Go 5 miles west and south for 2 1/4 miles and west into location.

Call Sheet



MATERIALS

Material	Description	QTY	Unit
L016033	Float Collars with aluminum flapper, 8-5/8 in.	1.0000	EA
L86718	PLUG,CEMENT 8.6 TOP BJPL	1.0000	EA
L015399	Float collars with poppet valve, 8-5/8 in.	1.0000	EA
L013156	Cement Nose, 8-5/8 in.	1.0000	EA
L017068	CENTRALIZER,8-5/8"NON-WELD	10.0000	EA
L100295	IntegraSeal CELLO	265.0000	LB
L100019	CEMENT, CLASS A	530.0000	SK
L100318	CEMENT EXTENDER, GYPSUM, A-10	668.0000	LB
L100275	CEMENT EXTENDER, SODIUM METASILICATE	668.0000	LB
L100495	SALT, Sodium Chloride, Medium	871.0000	LB
L100112	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	1,331.0000	LB
L100120	EXTENDER, BENTONITE	1,335.0000	LB

ASSIGNMENT DETAILS

Employee

Day Night	Person	Job Function	Yard Date	Comments
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Equipment

Day Night	Yard Date	Equipment	Equipment No	Comments
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FIELD TICKET

Client MERIT ENERGY COMPANY
Well LCCLU #108
Job Description Long String
Date October 18, 2017



Field Ticket # FT-00022-V2V4K20202-57006

Field Ticket # FT-00022-V2V4K20202-57006 **Credit Approval #**
Client MERIT ENERGY COMPANY **Purchase Approval #**
PO BOX 1293, LIBERAL, 67905-1293 **Invoice #**

Field Rep	Aldo Espinoza Galindo	Well	LCCLU #108
Field Client Rep	Rodney Gonzales	Well API #	15-067-21841
District	Liberal, KS	Well Type	
Job Type	Long String	Well Classification	
Job Depth (ft)	6605'	County	Grant
Gas Used On Job	No	State/Province	KS
		Field	
		Lease	



Customer Name MERIT ENERGY
 Well Name LCSLU # 108
 Job Type Two-Stage Cement

District Liberal
 Supervisor ALDO ESPINOZA
 Engineer

Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bbpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	10/18/2017 17:30	Mobilization	Arrive on Location	Cement Pump Truck						on location
2	18:00	Operational	Rig Up	Cement Pump Truck	50					rig up
3	19:00	Operational								casing on bottom
4	19:34	Operational								safety meeting
5	19:41	Operational	Pressure Test	Cement Pump Truck	54		0.2		2000	pressure test lines
6	19:43	Operational	Pump Spacer	Cement Pump Truck	56	8.4	4	12	300	12 bbl hivis sweep
7	19:50	Operational	Pumping Cement	Cement Pump Truck	61	13.6	3	65	280	235sk/65 bbl slurry at 13.6#
8	20:19	Operational		Cement Pump Truck			3	20		wash pumping lines to pit
9	20:24									drop latch down plug
10	20:26		displacing			8.34	3		0	start displacement
11	20:31			Cement Pump Truck		9	4	30	80	30 bbl gone swap to mud
12	20:45			Cement Pump Truck		9	5	70	130	100 bbl gone
13	20:48			Cement Pump Truck		9	3	40	740	140 bbl slow down to land plug
14	21:00		bump plug	Cement Pump Truck		9	3	12	800-1300	152 bbl bump plug
15	21:03			Cement Pump Truck						check floats
16	21:05						3	20	0	drop opening tool, give 38 min to drop
17	21:38			Cement Pump Truck					830	open tool, brake circulation
18	21:45									swap to rig
19	10/19/2017									SECOND STAGE
20	1:02		pumping spacer	Cement Pump Truck		8.4	4	12	300	12 bbl hivis sweep
21	1:10		slurry	Cement Pump Truck		13.6	3	16	20	cement rat & mouse holes
22	1:18		slurry	Cement Pump Truck		13.6	4	52	300	158sk/52 bbl slurry at 13.6#
23	1:36			Cement Pump Truck			3	20		wash pumping lines to pit
24	1:40									drop plug
25	1:41		displacing	Cement Pump Truck		8.34	3		70	start displacement
26	1:46			Cement Pump Truck			5	20	100	20m bbl gone
27	1:55			Cement Pump Truck			5	40	80	60 mbbi gone
28	2:03			Cement Pump Truck			5	30	430	90 bbl gone
29	2:07			Cement Pump Truck			3	15	800	105 bbl slow down to land plug
30	2:10		bump plug	Cement Pump Truck			3	11	900-2000	116 bbl bump plug
31	2:13			Cement Pump Truck					0	check floats
32										floats holding
33	2:30									rig down iron
34	3:45									leave location
35										leave F.E. for next job on location
36										thanks
37										

Call Sheet



COMMENTS

JOB INSTRUCTIONS

Need to take FR-500 for the spacer ahead of cement. For each stage and enough iron and hose to be pumping pump for displacement. **MAKE SURE YOU TAKE SURE SEAL 8 5/8" COLLAR GUIDE SHOE 10 CENTRALIZERS.**

DIRECTIONS TO WELL

Ulysses KS: Go 5 miles west and south on (black top) for 2 1/2 miles and west into location.