

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 Recompletion Date _____ 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	MAE 3-10
Doc ID	1414098

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MAE 3-10
Doc ID	1414098

Tops

Name	Top	Datum
HEEBNER	3910	
LANSING	4006	
SWOPE	4352	
MARMATON	4514	
ALTAMONT	4532	
CHEROKEE	4635	
U. MORROW	4844	
M. MORROW	4880	
CHESTER LIME	4946	
ST GENEVIEVE	5050	

FIELD TICKET

Client MERIT ENERGY COMPANY

Well Mae 3-10

Job Description Long String

Date March 12, 2018



Field Ticket # FT-04578-WOXON60202-91973

MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100318	CEMENT EXTENDER, GYPSUM, A-10	LB	1,185.0000	\$0.72	\$853.20	78.00	\$187.70
L013152	Cement Nose, 5-1/2 in.	EA	1.0000	\$561.00	\$561.00	78.00	\$123.42
L488168	CEMENT, ASTM TYPE I	SK	210.0000	\$44.11	\$9,263.10	78.00	\$2,037.88
L017064	CENTRALIZER,5-1/2"NON-WELD	EA	15.0000	\$193.05	\$2,895.75	78.00	\$637.07
20000018	CFL-210	LB	99.0000	\$22.72	\$2,249.28	78.00	\$494.84
L100120	EXTENDER, BENTONITE	LB	395.0000	\$2.08	\$821.60	78.00	\$180.75
L015395	FLOAT COLLAR,CEM,5-1/2"K55	EA	1.0000	\$1,243.00	\$1,243.00	78.00	\$273.46
L101196	Foam Preventer, FP-25	LB	40.0000	\$14.52	\$580.80	78.00	\$127.78
L488735	IntegraGuard ULTRA CONCENTRATE	GAL	12.0000	\$159.60	\$1,915.20	78.00	\$421.34
L100295	IntegraSeal CELLO	LB	53.0000	\$5.76	\$305.28	78.00	\$67.16
L415082	IntegraSeal KOL	LB	1,050.0000	\$1.20	\$1,260.00	78.00	\$277.20
L86710	PLUG,CEMENT 5.5 TOP BJPL	EA	1.0000	\$1,026.48	\$1,026.48	78.00	\$225.83
L100404	SALT,SODIUM CHLORIDE, A-5	LB	1,677.0000	\$1.04	\$1,744.08	78.00	\$383.70
Product Material Subtotal:					\$24,718.77		\$5,438.13

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100004	Cement Crew Mobilization-Demobilization Fee	EA	1.00	\$10,880.00	\$10,880.00	92.00	\$870.400
S-100475	Cement head	EA	1.00	\$2,656.00	\$2,656.00	92.00	\$212.480
S-100053	Cement pump charge, 5,001-6,000 feet/1,501 - 1,800 m	6/HR	1.00	\$7,032.00	\$7,032.00	92.00	\$562.560
S-100066	Cement pump charge, Additional Hours	HR	0.00	#Error	\$0.000	92.00	\$0.000
S-100072	Circulating Equipment	JOB	1.00	\$5,248.00	\$5,248.00	92.00	\$419.840

Cementing Treatment



Start Date	3/12/2018	Well	Mae 3-10
End Date	3/12/2018	County	Finney
Client	MERIT ENERGY COMPANY	State/Province	KS
Client Field Rep	Rodney Gonzalez	API	15-055-22479
Service Supervisor	Aldo Espinoza	Formation	
Field Ticket No.		Rig	DUKE # 9
District	Liberal, KS	Type of Job	Long String

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	7.88			5,200.00	5,200.00	30.00		
Casing	4.89	5.50	17.00	5,175.00	5,200.00		J-55	LTC
Previous Casing	8.10	8.63	24.00	1,890.00	1,890.00		J-55	LTC

Shoe Length (ft): 42

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Bottom Plug Provided By		Tool Depth (ft)	5,132.80
Bottom Plug Size		Max Tubing Pressure - Rated (psi)	
Top Plug Used?	Yes	Max Tubing Pressure - Operated (psi)	



Cementing Treatment

Number of Plugs

SQUEEZE

Injection Rate (bpm)

Injection Pressure (psi)

Type of Squeeze

Operators Max SQ Pressure (psi)

Fluid Density (ppg)

ISIP (psi)

FSIP (psi)

COMMENTS

Treatment Report

Job Summary

PRESSURE TEST LINES 2000 PSI
12 BBL ULTRA FLUSH
CEMENT RAT & MOUSE HOLES
160 SK/ 54.7 BBL SLURRY AT 13.6 #/g
WAST PUMPING LINES TO PIT
DISPLACE 119 BBL KCL WATER PROVIDED BY CUSTOMER
BUMP PLUG 600 PSI OVER

50sx RH

FIELD TICKET

Client MERIT ENERGY COMPANY

Well Mae 3-10

Job Description Surface

Date March 07, 2018



Field Ticket # FT-04385-W0M2V50202-87437

MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100112	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	LB	1,683.0000	\$2.40	\$4,039.20	76.00	\$969.41
L100318	CEMENT EXTENDER, GYPSUM, A-10	LB	903.0000	\$0.72	\$650.16	76.00	\$156.04
L100275	CEMENT EXTENDER, SODIUM METASILICATE, A-2	LB	903.0000	\$3.28	\$2,961.84	76.00	\$710.84
L013156	Cement Nose, 8-5/8 in.	EA	1.0000	\$460.00	\$460.00	76.00	\$110.40
L488168	CEMENT, ASTM TYPE I	SK	655.0000	\$44.11	\$28,892.05	76.00	\$6,934.09
L017068	CENTRALIZER,8-5/8"NON-WELD	EA	10.0000	\$246.40	\$2,464.00	76.00	\$591.36
L100120	EXTENDER, BENTONITE	LB	1,805.0000	\$2.08	\$3,754.40	76.00	\$901.06
L015399	Float collars with poppet valve, 8-5/8 in.	EA	1.0000	\$1,214.00	\$1,214.00	76.00	\$291.36
L100295	IntegraSeal CELLO	LB	328.0000	\$5.76	\$1,889.28	76.00	\$453.43
L415082	IntegraSeal KOL	LB	2,400.0000	\$1.20	\$2,880.00	76.00	\$691.20
L86718	PLUG,CEMENT 8.6 TOP BIPL	EA	1.0000	\$287.04	\$287.04	76.00	\$68.89
L100404	SALT,SODIUM CHLORIDE, A-5	LB	1,164.0000	\$1.04	\$1,210.56	76.00	\$290.53
Product Material Subtotal:					\$50,702.53		\$12,168.61

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100004	Cement Crew Mobilization-Demobilization Fee	EA	1.00	\$10,880.00	\$10,880.000	91.00	\$979.200
S-100475	Cement head	EA	1.00	\$2,656.00	\$2,656.000	91.00	\$239.040
S-100049	Cement pump charge, 1,001-2,000 feet/ 301-600 m	4/HR	1.00	\$4,680.00	\$4,680.000	91.00	\$421.200
S-100001	Mileage - vehicle heavy weight	MI	50.00	\$18.96	\$948.000	91.00	\$85.320
S-100002	Mileage - vehicle light	MI	50.00	\$10.72	\$536.000	91.00	\$48.240

Cementing Treatment



Start Date 3/7/2018 **Well** Mae 3-10
End Date 3/7/2018 **County** Finney
Client MERIT ENERGY COMPANY **State/Province** KS
Client Field Rep Rodney Gonzalez **API** 15-055-22479
Service Supervisor Erik Chavez **Formation**
Field Ticket No. Merit - Mae 3-10 - 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			1,796.00	1,796.00	0.00		
Open Hole	12.25			1,796.00	1,796.00	130.00		
Casing	8.10	8.63	24.00	1,786.00	1,786.00		J-55	LTC

Shoe Length (ft): 42

HARDWARE

Bottom Plug Used?	No	Tool Type	
Bottom Plug Provided By	BJ	Tool Depth (ft)	
Bottom Plug Size		Max Tubing Pressure - Rated (psi)	
Top Plug Used?	Yes	Max Tubing Pressure - Operated (psi)	
Top Plug Provided By	BJ	Max Casing Pressure - Rated (psi)	
Top Plug Size	8.625	Max Casing Pressure - Operated (psi)	
Centralizers Used	Yes	Pipe Movement	
Centralizers Quantity	10.00	Job Pumped Through	Manifold
Centralizers Type	Bow	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,758	Top Connection Size	8 5/8

CIRCULATION PRIOR TO JOB

Cementing Treatment



PRIME LINES 2BBLS
PRESSURE TEST LINES 1500PSI
SPACER 10BBLS OF H2O
LEAD CEMENT 480SK @12.1 PPG / 222
TAIL CEMENT 175SK @ 15.2 PPG / 39.55
SHUTDOWN WASH PUMPING LINES TO THE PIT AND DROP THE PLUG
DISPLACEMENT 111BBLS
LAST 50BBLS PUMP @ 2BPM