KOLAR Document ID: 1426376

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 ROAD, SUITE 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 #:

8/7/2018 Spud Date or Recompletion Date
8/10/2018 Date Reached TD
8/23/2018 Completion Date or Recompletion Date

API No.: 15-055-22492-00-00
Spot Description:
SW- NW- NW-NW Sec. 35 Twp. 24 S. R. 32 ☐ East ☑ West
612 Feet from ☑ North / ☐ South Line of Section
180 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: RIVER BEND Well #: 4
Field Name: Wildcat
Producing Formation: Chester
Elevation: Ground: 2825 Kelly Bushing: 2837
Total Vertical Depth: 4950 Plug Back Total Depth: 4904
Amount of Surface Pipe Set and Cemented at: 1784 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: 1600 ppm Fluid volume: 751 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: 11/01/2018
☐ **Confidential Release Date:** 10/31/2020
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 11/02/2018

Operator Name: Merit Energy Company, LLC Lease Name: RIVER BEND Well #: 4

Sec. 35 Twp. 24 S. R. 32 ☐ 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	Top	Datum
Attached	Attached	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
Conductor	17.5	13.375	48	107	Class A	160	See Attached
Surface	12.25	8.625	24	1784	Class A	650	See Attached
Production	7.875	5.5	17	4950	Class A	130	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: 8/23/2018	Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	40				

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)*	4805	4810

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)*
4	4805	4810			Frac- 325 bls. Total X-Link 274 bls. Total L-Link 51 bbls. Total 16/30 sand 31133. Total N2 617000 SCF.

TUBING RECORD: Size: 2.8750 Set At: 4811 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	RIVER BEND 4
Doc ID	1426376

All Electric Logs Run

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

Form	ACO1 - Well Completion
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Tops

Name	Top	Datum
Heebner	3877	
Toronto	3890	
Lansing	3975	
Iola	4110	
Swope	4293	
Hertha	4335	
Marmaton	4441	
Cherokee	4571	
Atoka	4662	
Morrow	4741	
Chester	4805	
St Genevieve	4816	
St Louis	4855	

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	107	Class A	160	See Attached
Surface	12.25	8.625	24	1784	Class A	650	See Attached
Production	7.875	5.5	17	4950	Class A	130	See Attached

10/25/2017

Customer Name Merit Energy
Well Name River Bend
4
Job Type Concuctor

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	8/6/2018 10:00pm	Mobilization	Arrive on Location	Cement Pump Truck	48					Arrived at location
2		Operational	Other (See comments)		75					rig crew was spudding
3		Operational	Rig Up	Cement Pump Truck	50					rig up to rig
4	6:30	Operational	Safety Meeting		53					safety meeting with rig crew and BJ crew
5	6:40	Operational	Pressure Test	Cement Pump Truck	54				1500	pressure test lines
6	6:41	Operational	Pump Spacer	Cement Pump Truck	56	8.33	2	5	50	5bbls of fresh water space
8	6:44	Operational	Pumping Cement	Cement Pump Truck	62	15.6	5	53	210	pumpimg cement 33bbls from 160sacks
9										at 15.6lbs
10	6:50	Operational	Clean Pumps and Lines	Cement Pump Truck	67					wash up lines and pumps
11	6:54	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	10	50	10bbls gone
12	7:00	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	16	50	16bbls gone shut down
41										rig down
42										
43										Crew and I thanked the company man and
44										rig crew for job opportunity
45										SR @ 107
46										
47										
48										
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10/25/2017

Customer Name Merit Energy
Well Name River Bend 4
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	8/8/2018 3:00pm	Mobilization	Arrive on Location	Cement Pump Truck	48					Arrived at location
2		Operational	Other (See comments)		76					casing crew was rigging up
3		Operational	Rig Up	Cement Pump Truck	50					rig up to rig
4	18:15	Operational	Safety Meeting		53					safety meeting with rig crew and BJ crew
5	18:35	Operational	Pressure Test	Cement Pump Truck	54				1500	pressure test lines
6	18:37	Operational	Pump Spacer	Cement Pump Truck	56	8.33	2	10	50	10bbls of fresh water spacer
7	18:40	Operational	Pump Lead Cement	Cement Pump Truck	58	12.1	3	217	140	pumping lead cement 217bbls from 475sks
8										at 12.1lbs
9	19:32	Operational	Pump Lead Cement	Cement Pump Truck	58	15.2	5	39	140	pumping tail cement 39bbls from 175sks
10										at 15.2lbs
11	19:44	Operational	Other (See comments)		76					drop plug/ wash pump and lines on top of plug
12	19:52	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	20	110	20bbls gone
13	19:56	Operational	Pump Displacement	Cement Pump Truck	64	8.33	3	40	140	40bbls gone
14	20:00	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	60	180	60bbls gone/slow down rate
488	20:10	Operational	pump displacement	Cement Pump Truck	64	8.33	2	80	220	80bbls gone
489	20:20	Operational	pump displacement	Cement Pump Truck	64	8.33	2	100	360	100bbls gone
37	20:30	Operational	Pump Displacement	Cement Pump Truck	64	8.33	2	110.89	1030	bump plug/check if float holds
38										had 100bbls of cement to surface
39										had .5 bbls on water returns
40										
41										rig down
42										
43										Crew and I thanked the company man and
44										rig crew for job opportunity
45										Set @ 1784
46										
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61										

10/25/2017

Customer Name Merit Energy
Well Name River Bend 4
Job Type Long String

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	8/12/2018 13:00pm	Mobilization	Arrive on Location	Cement Pump Truck	48					Arrived at location
2		Operational	Other (See comments)		76					casing crew was getting casing down hole
3		Operational	Rig Up	Cement Pump Truck	50					rig up to rig
4	15:30	Operational	Safety Meeting		53					safety meeting with rig crew and BJ crew
5	15:50	Operational	Pressure Test	Cement Pump Truck	54				1500	pressure test lines
6	15:55	Operational	Pump Spacer	Cement Pump Truck	56	10	2	12	160	12bbls of ultra flush spacer
7	16:05	Operational	Pumping Cement	Cement Pump Truck	61	13.6	3	17		pumping rat and mouse hole 17bbls
8										from 50sacks at 13.6lbs
9	16:32	Operational	Pump Tail Cement	Cement Pump Truck	60	13.6	5	46	690	pumpime tail cement 46bbls from 130 sx
10										at 13.6lbs
11	16:47	Operational	Other (See comments)		76					drop plug/ wash pump and lines on to pit
12	16:59	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	20	320	20bbls gone
13	17:04	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	40	330	40bbls gone
14	17:08	Operational	Pump Displacement	Cement Pump Truck	64	8.33	5	60	410	60bbls gone
488	17:12	Operational	pump displacement	Cement Pump Truck	64	8.33	5	80	610	80bbls gone
489	17:17	Operational	pump displacement	Cement Pump Truck	64	8.33	5	100	770	100bbls gone/slow down rate
37	17:20	Operational	Pump Displacement	Cement Pump Truck	64	8.33	3	113	1220	bump plug/check if float holds
38										
39										had 1 bbls on water returns
40										
41										rig down
42										
43										Crew and I thanked the company man and rig
44										crew for job opportunity
45										Set @ 4950
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