KOLAR Document ID: 1488543

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 + 7362
Contact Person: IDANIA MEDINA
Phone: (620) 629-4228
CONTRACTOR: License # 35177
Name: Rick's Well Service, LLC
Wellsite Geologist: N/A
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: OXY USA INC
Well Name: PLEASENT PRAIRIE UNIT 102W
Original Comp. Date: 9/4/2001 Original Total Depth: 5350
☐ 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 #: E-27880.1
☐ GSW Permit #:

9/30/2019 Spud Date or Recompletion Date
Date Reached TD
10/15/2019 Completion Date or Recompletion Date

API No.: 15-081-21255-00-02
Spot Description:
_ - NE - SE - SW Sec. 15 Twp. 27 S. R. 34 ☐ East ☑ West
746 Feet from ☐ North / ☑ South Line of Section
2881 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: Haskell
Lease Name: PLEASANT PRAIRIE UNIT Well #: 102W
Field Name: Pleasent Prairie
Producing Formation: Chester
Elevation: Ground: 2977 Kelly Bushing: 2991
Total Vertical Depth: 5350 Plug Back Total Depth: 5291
Amount of Surface Pipe Set and Cemented at: 1772 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 3140 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: 01/15/2020
☐ **Confidential Release Date:** 01/14/2022
☐ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/16/2020

Operator Name: Merit Energy Company, LLC Lease Name: PLEASANT PRAIRIE UNIT Well #: 102W

Sec. 15 Twp. 27 S. R. 34 ☐ East ☑ West County: Haskell

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:

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

Name	Top	Datum
SEE ORIGINAL		

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	1772	C	425	SEE ORIGINAL
Production	7.875	5.5	17	5397	C	480	SEE ORIGINAL
Liner	5.5	4.5	11.6	5090	A/C 50/50	480	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: 10/15/2019	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* Injection					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

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)*	5114	5184

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)*
	5114	5146			prev.
	5153	5184			prev.

TUBING RECORD:	Size:	Set At:	Packer At:
	2.3750	5082	5082

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

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	PLEASANT PRAIRIE UNIT 102W
Doc ID	1488543

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	1772	C	425	SEE ORIGINAL
Production	7.875	5.5	17	5397	C	480	SEE ORIGINAL
Liner	5.5	4.5	11.6	5090	A/C 50/50	480	SEE ATTACHED

Merit Energy

PPCU Revision 2

102W

County/State Haskell, Kansas

Legal Loc. 22-27S-34W

Liner:Pump 10bbl Water; 10 bbl Flow Seal 21; 10 bbl Water; Pump 100 sks Lead & 40 sks Tail down 4 1/2;Drop Plug; Displace ; Hook up to annulas

Terms:

Prepared for Matt Stark

Phone Number: 972-628-1416
Fax Number:
Email Address:

Prepared by Max Ball
Basic Energy Services Inc.
620-675-5025

Service Point: Liberal, Kansas
Contact Person: Tyce Davis
620-388-3779

Cement Callsheet

BASIC ENERGY SERVICES

Company	Merit Energy	Service Point	Liberal, Kansas				
		Contact Person	Tyce Davis			Ph #	620-388-3779
Well Type		Contractor		County	Haskell	State	Kansas
Lease	PPCU Revision 2	Well #	102W	Sec	22	Twp	27S	Range	34W
Directions:							

Job Type	Liner	Casing Size: 4 1/2	Thread: 8 Rnd	Weight: 11.6
Equipment	1 Pump Truck, 1 Bulk Truck	Tubing/Drill Pipe Size:	Thread:	Weight: 4.7
		Hole Size: 5	Packer:	Bridge Plug:
AFE #:		Plug Container: Yes	Squeeze Manifold:	Field Bin:

Liner:Pump 10bbl Water; 10 bbl Flow Seal 21; 10 bbl Water; Pump 100 sks Lead & 40 sks Tail down 4 1/2;Drop Plug; Displace ; Hook up to annulas pump 100sks lead & 40sks tail

CEMENT DATA

LEAD 1	Weight PPG: 12.3	Type: A Serv Lite		Additives: 0.2% C-37, 0.2% C17
Sacks: 400	Excess: 100%	Yield Ft³/sk: 2.03	Water Gal/sk: 11.34	
TAIL 1	Weight PPG: 13.80	Type: Class C 50/50		Additives: 0.2% C-37, 0.2% C17
Sacks: 80	Excess: 100%	Yield Ft³/sk: 1.35	Water Gal/sk: 6.38	
LEAD 2	Weight PPG	Type		Additives
Sacks	Excess	Yield Ft³/sk	Water Gal/sk	
TAIL 2	Weight PPG			Additives
Sacks	Excess	Yield Ft³/sk	Water Gal/sk	
Mouse/Rat	Weight PPG	Type		Additives
Sacks	Excess	Yield Ft³/sk	Water Gal/sk	
Plugs	Weight PPG	Type		Additives
Sacks	Excess	Yield Ft³/sk	Water Gal/sk	

Float Equipment

Part #	Quanity	Description	# Used	# Returned
CF102	1	Top Rubber Cement Plug, 4 1/2"		

Misc. Chemicals

CC158	420	low-Seal 21 (Sodium Silicate), 50% Soluti	

Ordered By	Matt Stark	Phone 972-628-1416	Fax	Date of Job	
Call Taken By	Max Ball	Phone 620-675-5025	Email	Time Ready	
Operator or Driver Called				Call Out Time	

Merit Energy
PPCU Revision 2 # 102W
County/State Haskell, Kansas
Terms:
Liner:Pump 10bbl Water; 10 bbl Flow Seal 21; 10 bbl Water; Pump 100 sks Lead & 40 sks Tail down 4 1/2;Drop Plug; Displace ; Hook up to annulas pump 10(

Well Data and Calculations

	Lead 1 Cement	Tail 1 Cement	Lead 2 Cement	Tail 2 Cement	Top Out Cement	Plug Cement
Well Type:						
Job Type:	Liner	Liner	Liner	Liner	Liner	
Cement Weight PPG :	12.30	13.80				
Hole Size:	4.950	4.950	4.950	4.950		
Casing Size:	4.500	4.500	4.500	4.500		
Bottom of Cement:	4000	5100				
Top of Cement:		4000				
Percent Excess:	100%	100%				
Annulus Cal: (bbl/ft)	0.0041	0.0041	0.0041	0.0041		
Annulus Cal: (cft/ft)	0.0232	0.0232	0.0232	0.0232		
Annulus Vol: (ft/cft)	43.1158	43.1158	43.1158	43.1158		
Annulus Vol: cft	185.53	51.02				
Annulus Vol: ft	7999.43	2199.84				
Fluid Yield: cft/sk	**2.03**	**1.35**		**1.37**		**1.55**
Annular Vol.bbls	16.52	21.07				
Slurry Volume: bbls	33.04	9.09				
Fluid Water Ratio: gal/sk	**11.34**	**6.38**		**5.53**		**7.80**
Shoe Length: Ft.						
Shoe Calculation: bbl/ft		0.0155				
Pipe ID:Inches		4.0000				
Shoe Volume: bbls						
Shoe Volume: cft						
Cement Plus shoe: cft	185.53	51.02				
Cement Plus shoe: bbls	33.04	9.09				
Total mixing Water: bbls	24.68	5.74	#DIV/0!			
Displacement: bbls		79.27				
Calculated cement: Sks	**91.40**	**37.79**	**#DIV/0!**			
Total water required: bbls	24.68	85.01	#DIV/0!			

Cement Recommendations

Lead 1 Cement	**400**	A Serv Lite		400 sks
Tail 1 Cement	**80**	Class C 50/50		80 sks
Lead 2 Cement				
Tail 2 Cement				
Top Out Cement				
Plug Cement				
			Total:	480

Float Equipment

Top Rubber Cement Plug, 4 1/2"	1 ea

Misc. Chemicals

Flow-Seal 21 (Sodium Silicate), 50% Solution

BASIC ENERGY SERVICES

1700 S. Country Estates Raod
Liberal, KS 67901
PH (620)-624-2277FAX (620) 624-2280

SERVICE ORDER - 0

Date: 1/0/1900

Well Name: PPCU # 102W

Location: 22-27S-34W

County - State: Haskell, Kansas

RRC #:

Type Of Service: Z-41 Squeeze Casing Leak

Customer's Order #: 0

Customer: Merit Energy

Address: sublette.invoices@meritenergy.com
PO Box L, Sublette Ks. 67877

As a consideration, the above named Customer agrees to pay Basic Energy Services In accord with the rates and terms stated in Basic Energy Services current price lists. Invoices are payable NET 30 (SEE 10.2) after date of invoice. Upon Customer's default in payment of Customers account by such date, Customer agrees to pay interest thereon after default at 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all the collection costs and attorney fees. These terms and conditions shall be governed by the laws of the state where services are performed or equipment or materials are furnished.

Basic Energy Services., warrants only title to the products, supplies and materials and that the same are free from defects in workmanship. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, MERCHANTABILITY,FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Basic Energy Services., liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies, or materials upon their return to Basic Energy Services. is expressly limited to the replacement of such products, supplies or materials or , at Basic Energy Services. option, to the allowance to the Customer of credit for the cost of such items. In no event shall Basic Energy Services be liable for special, indirect, punitive or consequential damages.

CODE	QTY	UOM	DESCRIPTION	PRICE	TOTAL
BC119	400	SK	A-Serv Lite	26.00	10400.00
BC133	80	SK	Class C 50/50 Poz	23.50	1880.00
CC187	84	LB	C-17	24.00	2016.00
CC126	84	LB	C-37	8.00	672.00
ME102	180	MI	Heavy Equipment Mileage	8.00	1440.00
CE240	480	SK	Blending & Mixing Service Charge	1.40	672.00
TM	1248	MI	Ton Mileage	3.00	3744.00
CC6	1	HR	Depth Charge, 5001-6000'	2900.00	2900.00
CE504	1	EA	Plug Container Utilization Charge	250.00	250.00
ME101	60	MI	Light Vehicle Mileage	5.00	300.00
CE505	1	EA	Cement Densiometer, with chart recorder	350.00	350.00
CC158	420	GAL	Flow-Seal 21 (Sodium Silicate), 50% Solution	8.00	3360.00
BE143	1	Ea	Supervisor	75.00	75.00
BE144	4	Ea	Driver	35.00	140.00
CF102	1	Ea	Top Rubber Cement Plug, 4 1/2"	80.00	80.00
				Book Total:	$28,279.00
				Taxes:	
				Disc. Price:	$20,444.44
			Additional 10% Discount as per Agreement on Cement Services	10% Disc	$2,044.44
				Adjusted Price	**$18,400.00**

	YES	NO
THIS JOB WAS SATISFACTORILY COMPLETED	☐	☐
OPERATION OF EQUIPMENT WAS SATISFACTORY	☐	☐
PERFORMANCE OF PERSONEL WAS SATISFACTORY	☐	☐

PUMP TRUCK NUMBER:

DRIVER:

BASIC ENERGY SERVICES

CUSTOMER OR HIS AGENT

Customer Comments or Concerns: