KOLAR Document ID: 1456389

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 #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to: sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of hald disposal in hadica offsite.
GSW Permit #:	Operator Name:
_	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West
Recompletion Date Recompletion Date	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 Approved by: Date:

KOLAR Document ID: 1456389

#### Page Two

Operator Name: _				Lease Name:			Well #:		
Sec Twp.	S. R.	E	ast West	County:					
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,	
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log	
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample	
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No						
		B	CASING eport all strings set-c		New Used	ion, etc.			
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD				
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives				
Perforate Protect Casi Plug Back T									
Plug Off Zor									
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,	
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity	
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom	
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT	
,	,			B.11 B1					
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record	
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:					
TODING RECORD:	. 3126.	Set	n.	i donei Al.					

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	BOCK A 4
Doc ID	1456389

### All Electric Logs Run

7th Electric Logs (tall
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 LOG
MICROLOG
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG
TRUE RESISTIVITY SPECTRAL DENSITY DUAL SPACED NEUTRON SONIC QUAD COMBO LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	BOCK A 4
Doc ID	1456389

## Tops

Name	Тор	Datum
HEEBNER	4066	
TORONTO	4084	
LANSING	4166	
KANSAS CITY	4556	
MARMATON	4742	
PAWNEE	4827	
CHEROKEE	4898	
ATOKA LIME	5071	
MORROW	5251	
MORROW LIME	5300	
MORROW LIME BASE	5344	
UPPER WEENU	5375	
CHESTER LIME	5419	
BASAL CHESTER SS	5452	
ST GENEVIEVE	5452	
ST LOUIS	5629	
SPERGEN	5729	

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	BOCK A 4
Doc ID	1456389

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	1745	CLASS A & C	670	SEE ATTACH ED
Production	7.875	5.5	17	5688	CLASS A	300	SEE ATTACH ED



DRIVER: Sam Eueler

SERVICE ORDER - 1718 17222 L

			PH (620)-624-2277FAX (620) 624-2280	Date: 2	/11/2019
Vell Name:				Location:	
ock "A" 4				15,28,34	
ounty - State:				RRC #:	
laskell, Ks				Customer's Order #:	
ype Of Service:	f Oi			Oustomer's Order #.	
242 - Cement S	Customer: N		TO V		
	Customer: N	Ment Ener	gy		
		sublette.in AFE# 629	voices@meritenergy.com 31		
default in payment of Ct the collection costs and Basic Energy Services., PARTICULAR PURPOS	attorney fees. These warrants only title to SE OR OTHERWISE	e terms and con the products, s WHICH EXTEN	ay Basic Energy Services In accord with the rates and terms stated in Basic Energy Services current price lists. Invoices are payable tomer agrees to pay interest thereon after default at 18% per annum. In the event it becomes necessary to employ an attorney to entificinors shall be governed by the laws of the state where services are performed or equipment or materials are furnished.  Supplies and materials and that the same are free from defects in workmanship. THERE ARE NO WARRANTIES, EXPRESS OR IMIN DEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Basic Energy Services., liability and Customer's expansing out of the sale or use of any products, supplies, or materials upon their return to Basic Energy Services, is expressly limite. Customer of credit for the cost of such items. In no event shall Basic Energy Services be liable for special, indirect, punitive or consci	PLIED, MERCHANTABILITY, FITNESS Fixclusive remedy in any cause of action (d to the replacement of such products, st	OR A
			PERCENTION	PRICE	TOTAL
CODE	QTY	UOM	DESCRIPTION DESCRIPTION	18.60	9393.00
CL101 -	505	Sk	'A-Con' Blend	16.30	2689.50
CL110	165	Sk	Premium Plus Cement	3.70	1243.20
CC102	336	Lb	Celloflake	1.05	1823.85
CC109	1737	Lb	Calcium Chloride	380.00	380.00
CF253	1 1	Ea	Guide Shoe - Regular, 8 5/8" (Blue)	280.00	280.00
CF1453	1	Ea	Flapper Type Insert Float Valves. 8 5/8" (Blue)	90.00	540.00
F1753	6	<u>Ea</u>	Centralizer, 8 5/8" (Blue)	225.00	225.00
CF105	1	Ea	Top Rubber Cement Plug, 8 5/8"	7.50	1350.00
E101	180	Mi	Heavy Equipment Mileage	1.40	938.00
CE240	670	Sk	Blending & Mixing Service Charge	2.50	4732.50
E113	1893	Tn/Mi	Proppant and Bulk Delivery Charges, per ton mile		1500.00
CE202	1	4 Hrs	Depth Charge; 1001'-2000'	1500.00	250.00
CE504	1	Job	Plug Container Utilization Charge	250.00	270.00
E100	60	Mi	Unit Mileage Charge-Pickups, Small Vans & Cars (one way)	4.50 175.00	175.00
S003	1	Ea	Service Supervisor, first 8 hrs on loc.	175.00	170.00
			C		
			( of		
			Sper		
	5		T M M		
			5000		
			(1) Wr		
				Book Total: Taxes:	\$25,790.05
				Disc. Price:	\$15,830.2
			Additional 10% Discount as per Agreement on Cement Services		\$1,583.0
				Adjusted Price	\$14,247.2
				YES	NO
PUMP TRUCK NU	MBER:	38117, 1991	9 THIS JOB WAS SATISFACTORILY COMPLETED		
			OPERATION OF EQUIPMENT WAS SATISFACTORY	, <u> </u>	
DRIVER: S	m Eu	-1-0			

BASIC ENERGY SERVICES	CUSTOMER OR HIS AGENT			
Customer Comments or Concerns:				

PERFORMANCE OF PERSONEL WAS SATISFACTORY

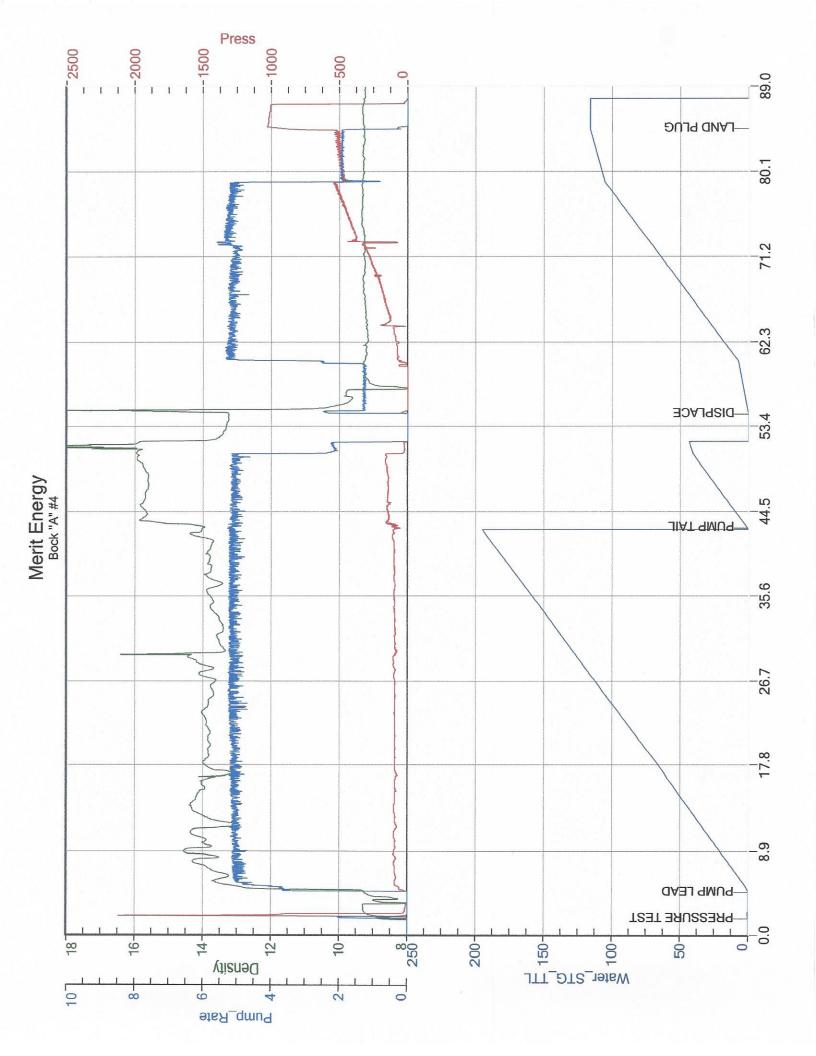


# Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

#### PRESSURE PUMPING

Job Log

					JOD LOG		0040 011		0004	c
Customer:		Merit Energy			Cement Pump No.:		919 6Hrs.	Operator TRK No.:	27909 10992	
Address:	sublette.invo	ices@meriter	nergy.o	com	Ticket #:	1718 1	7222 L	Bulk TRK No.: 27808, 19883 70897, 3772		
City, State, Zip:	AFE# 62931				Job Type:	Z42 - Cement Surface Casing				
Service District:	17	18 - Liberal, K	S.		Well Type:	OIL				
Il Name and No.:		Bock "A" 4			Well Location:	15,28,34	15,28,34 County: Haskell			ł
Туре	Type of Cmt Sacks							Truck Loa	ided On	
A-Con'	Blend	505		3% C	alcium Chloride, 1/4	# Polyflake	27808, 198	83 Santiago	Front	Back
Premium Pl	lus Cement	165		2% C	alcium Chloride, 1/4	# Polyflake	70897	, 37725	Front	Baci
									Front	Back
Lead	/Tail:	Weight #1 Gal.	Cu/F	t/sk	Water Red	quirements	CU. FT.	Man I	Hours / Person	nel
Lea	ad:	12.1	2.4	11	1	4	1217.05	TT Man Hours:	31	
Ta	il:	14.8	1.3	34	6.	33	221.1	# of Men on Job:	3	
Time		Volume	Pur	nps	Press	sure(PSI)		escription of Oper	ation and Material	s
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing				
12:45							ON L	OCATION & S	AFETY MEET	ING
1:00								RIG UP 8	& WAIT	
2:10 AM							RIG TO CIRCULATE			
2:40 AM							RIG TO PT			
2:45 AM							PRESSURE TEST TO 2200PSI			
2:48	5	216.7 slurry			,	90	PUMP 505SX LEAD @ 12.1#			
3:26	5.2	39.3 slurry				100	PUMP 165SX TAIL @ 14.8#			
3:36 AM							SHUTDOWN / DROP PLUG			
3:38	5	10				80		DISPL	ACE	
	5	20				90				
	5.2	30				130				
	5.2	40				170		10.00		
	5.2	50				210				
	5.2	60				270				
3:58	5.3	70				380		CEMENT R	ETURNS	
	5.2	80				430				×115/10/11
	5.1	90				490	•		¥	Land to the second seco
4:03	5	98	-			530	SLO	W RATE TO 2	.0BPM @ 490I	PSI
	2	100				480				
4:09	1.9	108.3				520	LAND P	LUG / PRESSI	JRE UP TO 10	20PSI
4:11							REL	EASE BACK	FLOAT HEL	.D
							JOB COMPLETE			
Size Hole	12 1/4"	Depth			<u>I</u> 1750'		TYPE	Р	lug Container	
Size & Wt. Csg.	8 5/8" 24#	Depth	174	<b>45</b> '	New / Used		Packer		Depth	
Lanidng Press.	397.1psi	Depth					Retainer		Depth	
Shoe Jt.	42.10'	Туре					Perfs		CIBP	
						Basic Represe	entative:	and the same of th	Daniel Beck	
ustomer Sig	nature:					Basic Signatu	re:	Danie	Q Boes	
00.000/MEGAN		X I				Date of Service	e.	2/11/2019		





# Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

### Job Log

Customer		Merit Energy		Cement Pump No.: 38119-195			570 8 HRS Operator TRK No.:		96815			
Address	sublette.invoices@meritenergy.com				Ticket :				Bulk TRK No.:			
	AFE# 62931				Job Type:		Z42 - Cement Production Casing					
Service District												
		D 1 1/4 1/4			Well Type	+			OIL			
			Bock "A"4			Well Location: 15,28,3		County	1		K	
Туре	of Cmt	Sacks	1		Additives		Truck Loaded On					
50/50 POZ		350			10%SALT, .5%C-17, 5#GILSON EFOAMER, 1/4#POLYFLAKE			30463-37547 Front		Back		
										Front	Back	
										Front	Back	
	/Tail:	Weight #1 Gal.	Cu/Ft/sk		Water Requirements		ents	CU. FT.	Man I	Hours / Personnel		
	ad:	13.6	1.57 7		.17		549.5	Man Hours:	37			
Ta	ail:								# of Men on Job:	3		
Time		Volume	Pu	mps	Pres	sure(PSI)	ure(PSI) Description		Description of Oper	ation and Materials		
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Ca	sing					
1:45								C	N LOC, SAFTI	EY MTG, R.U.		
8:42						30	000	TEST LINES				
8:43 AM	6	12				1	40	PUMP MUD FLUSH				
8:48 AM	4	5				1	00	H2O SPACER				
8:52 AM								PLUG RAT AND MOUSE				
9:08	6					2	20	START MIXING @ 13.6#				
9:29		84						SHUT DOWN, DROP PLUG, WASHUP				
9:33 AM	7					1	00	START DISPLACEMENT W/ KCL				
9:55	3.5	124				7	70	SLOW RATE . RH 50SX				
9:59		134				870-	1470	PLUG DOWN				
10:02								RELEASE PSI, FLOAT HELD				
								JOB COMPLETE				
								THANK YOU FOR YOUR BUSINESS!!!			S!!!	
			- 1									
		V. OIII 25										
			İ									
			İ							- in the second		
		İ		i								
Size Hole	7 7/8	Depth	57		729'			TYPE				
Size & Wt. Csg.	5 1/2 15.5	Depth	5688'		New / Used			Packer		Depth		
tbg.		Depth						Retainer		Depth		
Top Plugs	V= == == == == == == == == == == == == =	Туре						Perfs		CIBP		
						Basic R				HAD HINZ		
ustomer Sigr	ustomer Signature:					Basic Signature:			TVA			
							Date of Service:		2/16/2019			



1700 S. Country Estates Raod

	NERGY SE	RVICES	Liberal, KS 67901 PH (620)-624-2277FAX (620) 624-2280	SERVICE ORDER -	1718-19354
			(020) 027 22711 757 (020) 027 2200	Date:	2/16/2019
Well Name: Bock "A"4				Location: 15,28,34	
County - State: Haskell, Ks				RRC #:	
Type Of Service:		Customer's Order #:			
Z42 - Cement P	roduction C	Customer's Order #.			
	Customer: I	Merit Ene	rgy		
	Address: 8	sublette.ii	nvoices@meritenergy.com		
	/	AFE# 629	931		
			oay Basic Energy Services In accord with the rates and terms stated in Basic Energy Services current price lists. Invoices are payably stomer agrees to pay interest thereon after default at 18% per annum. In the event it becomes necessary to employ an attorney to en	NET 30 (SEE 10.2) after date of invoi	ce. Upon Customer's
and deliberation cooks und a	dorney lees. These	terris and cor	iduous shall be governed by the raws of the state where services are performed or equipment or materials are furnished.		
PARTICULAR PURPOSE	OR OTHERWISE	WHICH EXTE	supplies and materials and that the same are free from defects in workmanship. THERE ARE NO WARRANTIES, EXPRESS OR IM ND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Basic Energy Services, liability and Customer's a sea defined out of the case or an experience of the supplication.	PLIED, MERCHANTABILITY, FITNESS exclusive remedy in any cause of action	FOR A n (whether in
or , at Basic Energy Servi	ces. option, to the	allowance to the	se) arising out of the sale or use of any products, supplies, or materials upon the free from the sale or use of any products, supplies, or materials upon their return to Basic Energy Services expressly limited. Expressly limited to expressly limited to expressly limited or constant of or and for first order of credit for the cost of such items. In no event shall Basic Energy Services be liable for special, indirect, punitive or cons	ed to the replacement of such products, equential damages.	supplies or materials
CODE	QTY	UOM	DESCRIPTION	PRICE	TOTAL
CL104	350	Sk	50/50 POZ	11.00	3850.00
CC102	176	Lb	Celloflake	3.70	651.20
CC201	1750	Lb	Gilsonite	0.67	1172.50
CC113	1764	Lb	Gypsum	0.75	1323.00
CC105	74	Lb	C-41P	4.00	296.00
CC148 CC111	147	Lb	C-17	20.00	2940.00
CF851	2092	Lb	Salt	0.50	1046.00
CF951	1 1	Ea Ea	5 1/2" Float Shoe(Blue)	425.00	425.00
CF1751	20	Ea	5 1/2" Float Collar(Blue) Centralizer, 5 1/2" (Blue)	420.00	420.00
CF103	1	Ea		80.00	1600.00
CC151	500	Gal	Top Rubber Cement Plug, 5 1/2"  Mud Flush	105.00	105.00
E101	120	Mi		1.50	750.00
CE240	350	Sk	Heavy Equipment Mileage Blending & Mixing Service Charge	7.50	900.00
E113	882	Tn/Mi	Proppant and Bulk Delivery Charges, per ton mile	1.40	490.00
CE206	1	4 Hrs	Depth Charge; 5001-6000'	2.50	2205.00
CE504	1	Job	Plug Container Utilization Charge	2880.00	2880.00
E100	60	Mi	Unit Mileage Charge-Pickups, Small Vans & Cars (one way)	250.00 4.50	250.00 270.00
3003	1	Ea	Service Supervisor, first 8 hrs on loc.	175.00	175.00
C704	10	Gal	Claymax KCL Substitute	35.00	350.00
					500.00
					******
		-			
		-			
		****			
				Book Total:	\$22,098.70
				Taxes:	ΨΖΖ,030.70
				Disc. Price:	\$13,893.22
			Additional 10% Discount as per Agreement on Cement Services	10% Disc	\$1,389.32
				Adjusted Price	\$12,503.90
$\Omega$				YES	NO NO
JMP TRUCK NUMBE	ER: 381	119-19570 8	THIS JOB WAS SATISFACTORILY COMPLETED		
1/2:0	Λ	1	OPERATION OF EQUIPMENT WAS SATISFACTORY		
RIVER: YOUM	L-A	1 1/	PERFORMANCE OF PERSONEL WAS SATISFACTORY		
	11	+			
		AA			
BASIC	ENERGY SE	RWEES (	CUSTOMER OR HIS	S AGENT	
Cuntomar	mme et	`			
Customer Co	omments or C	oncerns:			
				The second secon	