Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1368694

Form ACO-1 November 2016 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY	- DESCF	RIPTION	OF W	/ELL 8	LEASE

OPERATOR: License #		API No.:
Name:		Spot Description:
Address 1:		
Address 2:		Feet from North / South Line of Section
City: State:	Zip:+	Feet from East / West Line of Section
Contact Person:		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Entry	Workover	Field Name:
		Producing Formation:
		Elevation: Ground: Kelly Bushing:
		Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used?
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:w/sx cmt.
Original Comp. Date: Origina	I Total Depth:	
Deepening Re-perf. Conv. to	-	Drilling Fluid Management Plan
Plug Back Liner Conv. to	o GSW 🗌 Conv. to Producer	(Data must be collected from the Reserve Pit)
		Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
		Leastion of fluid dispessel if housed effects
		Location of fluid disposal if hauled offsite:
		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 III Approved by: Date:

	Page Two	1368694
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INSTRUCTIONS: Show important tops of formations penetrated	etail all cores Benort all final	conies of drill stems tests giving interval tested, time tool

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			Yes No	[Log	Formatio	n (Top), Dep	th and Datum	Sample
Samples Sent to		vey	Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geolgist Report / List All E. Logs R	/ Mud Logs		Yes No Yes No Yes No						
						Used			
			Report all strings set	-conductor, surface	e, intermedia	te, producti	on, etc.		1
Purpose of St		e Hole vrilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.		etting Depth	Type of Cement		Type and Percent Additives
			ADDITIONA	L CEMENTING /	SQUEEZE	RECORD			
Purpose: Perforate		Depth Bottom	Type of Cement	# Sacks Use	d		Туре а	and Percent Additives	
Protect Ca	тд								
Plug Off Zo	one								
	e of the total base	fluid of the hydra	n this well? nulic fracturing treatments submitted to the chemi			Yes Yes Yes	No (If N	o, skip questions 2 ar o, skip question 3) o, fill out Page Three	
Date of first Produce Injection:	ction/Injection or I	Resumed Product	tion/ Producing Me	thod:	Gas Lif	t 🗌 C	other <i>(Explain)</i> _		
Estimated Produc Per 24 Hours	tion	Oil Bbls.	Gas	Mcf	Water	BI	bls.	Gas-Oil Ratio	Gravity
DISPO	OSITION OF GAS	:			MPLETION:				DN INTERVAL: Bottom
Vented	Sold Use	d on Lease	Open Hole		ually Comp. ubmit ACO-5)		nmingled nit ACO-4)	100	Dottom
(If vente	ed, Submit ACO-18	.)		(3	udinii ACO-5)	(Subi	nit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At		Acid,		, Cementing Squeeze Kind of Material Used)	
								,	

Packer At:

TUBING RECORD:

Size:

Set At:

Form	ACO1 - Well Completion
Operator	Bobcat Oilfield Service, Inc.
Well Name	NUTT AW-1-17
Doc ID	1368694

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set		Setting Depth	Type Of Cement		Type and Percent Additives
Surface	8.750	6	8	20	Portland	5	POZ
Production	5.625	2.875	6	722	Portland	86	60/40 POZ

I	Cell # 62	0-363-2683	B	ox 266, Mo Office #		795-2991	A		
Surfac		Cemented:	Hole Size:			1		Well #: AW-1-17	
20' of		5 Sacks	8 3/4"					Location: SW,SW,SE,SW, S13-T16-	
	string: f 2 7/8"	Cemented: 86 sacks	Hole Size: 5 5/8"					R21E	
	nd pipe	00 Sacks	5 5/0					County: Miami	
SN: n		Packer: -		TD: 731'				FSL: 1	
		1.0000000000000000000000000000000000000		2776437573	_		Well	FEL: 3693	
Plugg	ed: -	Bottom P	lug:-			og		API#: 15-121-31354-00-00	
	_			-		JUY		Started: 9-27-17	
Lease		Nutt						Completed: 9-28-17	
Owne		Bobcat Oilfiel	d Services	_					
OPR #		3895							
Contra	actor:		ON PRODUCTION						
OPR #	ŀ.	CO.		-					
		4339							
TKN	BTM Depth	Formation	n		TKN	BTM Depth	Formation		
1	1	Top Soil			6	633	Lime (Shaley	y)	
6	7	Clay			9	642	Shale		
7	14	Lime			2	644	Lime		
5 13	19 32	Shate			13 4	657 661	Shale Shale (Lime)	0	
8	40	Sandy Sha	ale		4 6	667	Shale (Lime) Shale	91 ·····	
19	59	Lime			3	670		naley)(good bleed)	
8	67	Shale			3	673		y) (Oil sand strks)	
1	68	Red Bed			3	676	Oil Sand (shaley) (fair bleed)		
17	85	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	ale (Sand strks)		3	679	Shale (Oil sa		
19	104	Lime	4		1	680	Oil Sand (Shaley)(fair bleed)		
37 54	141 195	Sandy Shale	916		4 TD	684 731	Shale (Oil sand strks) Shale		
20	215	Lime				1.51	Unaie		
9	224	Shale							
11	235		ale (sand strks)						
12	247	Shale							
8	255	Lime							
22 6	277	Shale Sand (wat	er)						
7	200	Lime	5.I.		_				
23	313	Shale							
9	322	Lime							
2	324	Shale							
12 5	336 342	Lime Black Shal	10						
3	235	Shale	10				-		
22	367	Lime							
4	371	Black Shal	le						
4	375	Lime							
1	379	Shale							
5	384	Lime							
131 i	515	Coal							
35	551	Shale							
5	557	Lime							
24	581	Shale							
2	583	Coal					la construction of the second		
6	589	Shale						CE – 12:30 PM – 9/27/17	
18	607 616	Shale (Lim						9:50 AM – TALKED TO BROOKE	
9	616	Lime (Ode Black shal						IG – 722' of 2 7/8" 8' ROUND PIPE 1:00 AM – 9/28/17	
3	627	Shale	C					11:00 AM - 9/28/17 11:00 AM - TALKED TO BROOKE	