Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1364145

Form ACO-1 November 2016 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 Dorth / 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.xxxxx) (e.gxxx.xxxxx)
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: 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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. 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:					

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Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INSTRUCTIONS: Show important tops of formations penetrated. De	tail all cores. Report all fin	al conjes 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 Taken (Attach Additional S	Sheets)		Ye	es 🗌 No			₋og Forma	ation (Top), Dep	oth and Datum	Sample
Samples Sent to Geolo		ey	Ye	es 🗌 No		Nam	е		Тор	Datum
Cores Taken Electric Log Run Geolgist Report / Mud List All E. Logs Run:	-		_	es No es No es No						
			Beno	CASING		Note int		uction etc.		
Burnoop of String	Size	Hole		e Casing	Wei	-	Setting	Туре о	f # Sacks	Type and Percent
Purpose of String	Dri	lled		t (In O.D.)	Lbs.		Depth	Cemen		Additives
		·		ADDITIONA	L CEMENTI	NG / SQI	JEEZE RECOR	RD	·	
Purpose: Perforate		epth Bottom	Туре	of Cement	# Sacks	# Sacks Used		Type and Percent Additives		
Protect Casing Plug Back TD										
Plug Off Zone										
 Did you perform a hydr Does the volume of the Was the hydraulic fract 	e total base f	luid of the hyd	draulic fra	acturing treatme		-		No (If N	lo, skip questions 2 ar lo, skip question 3) lo, fill out Page Three	
Date of first Production/Ir Injection:	njection or R	esumed Produ	uction/	Producing Me	thod:	ng	Gas Lift	Other (Explain)		
Estimated Production Oil Bbls. Ga Per 24 Hours				Gas	Mcf	Mcf Water Bbls.			Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COMPLETION							ETION:		PRODUCTIO	ON INTERVAL:
Vented Sold Used on Lease				Open Hole	Perf.		Dually Comp. Commingled		Тор	Bottom
(If vented, Sub	mit ACO-18.)					(Subm	t ACO-5) (S	Submit ACO-4)		
				Bridge Plug Type	Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Set At (Amount and Kind of Material Used					

Packer At:

Size:

Set At:

TUBING RECORD:

Form	ACO1 - Well Completion			
Operator	Operator Bobcat Oilfield Service, Inc.			
Well Name	HARVEY I-3			
Doc ID	1364145			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	8.750	6	8	20	Portland	5	Poz
Production	5.625	2.875	6	335	Portland		60/40 Poz Mix

		1			_				× ſ				
Lease: Harvey										Well #: 1-3			
Owner: Bobcat Oilfield Services Inc					Dale Jac	kson P	Produ	ctic	on Co. 🔊 🔊	Location: SE,SW,SW,SE,S5,T20,R23 County: Linn			
OPR #: 3895 Contractor: DALE JACKSON PRODUCTION CO-					Box 266,	Mound	d City	, Ks	66056				
						# 620-				FSL: 44			
OPR	#:	43	39	-== /= ···		e # 913				FEL: 2009			
Surface: Cemented: Hole Size:						0 11 9 20		25		API#:15-107-25201-00-00			
20' of		1	acks	8 3/4"					-	Started:6/12/2017			
Long	string:	Ce	mented:	Hole Size:						Completed:6/13/2017			
	2 7/8" 8	50	sacks	5 5/8"	SN: none			Packer:		TD: 341			
round	d pipe	1						r deker.					
	Well Log				Plugged	Plugged:			ttom Plug:				
TKN	KN BTM Depth		Formation			TKN		BTM Formation Depth					
1	1		Top soil										
4	5		Clay (lime s	strks)									
20	25		Lime					-					
3	28		Shade Black chalo										
5 19	33 52		Black shale Lime										
7	52		Black shale										
3	62		Lime	-	1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977								
5	67		Shale										
5	72	<u></u>	Lime				-						
10	82		Shale(limey	y)									
34	116		Shale				-		Set surface 1:00	D P.M. 6/12/2017			
14	130		Sand(shale	y)(dry)					Called in 11:50A.M. talked to Mushell				
66	196		Shale						Longstring 335' 2 7/8" 8rd TD 341'				
25	221		Shale(lime)						Call 11:50 A.N	Л. 6/13/2017			
1	222		Black shale										
9	231		Shale										
6	237		Sand (limey					_					
23 9	260 269		Shale(red b	oed)									
3	209		Lime	vy flow gas and oil)									
9	281	1		ater)(flow oil and water)				_					
9	290			ir bleed)(some water)									
4	294	<u>.</u>		me shale)(fair bleed)									
2	296		Shale(oil sa										
2	298			me shale)(fair bleed)									
6	304		Shale(oil sa	2010-									
15	319		Shale										
1	320		Coal										
8	328		Shale										
6	334		Lime										
TD	341		shale										
	_												
						-							
		- 1					Carrier Carrier						