Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1364161

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 Deast / 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:
☐ Gas ☐ DH ☐ EOR □ OG □ GSW	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? Yes No
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 #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	License #:
	Quarter Sec TwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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	1364161
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INSTRUCTIONS: Show important tops of formations panetrated Da	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 T (Attach Addition			]Yes 🗌 No	[	Log	Formatio	n (Top), Dep	oth and Datum	Sample
Samples Sent to	Geological Surv	/ey	Yes No	1	Name			Тор	Datum
Cores Taken Electric Log Run Geolgist Report /	' Mud Logs		Yes   No     Yes   No     Yes   No						
List All E. Logs R	un.								
		F	CASING eport all strings set-	RECORD		Used te, production	on, etc.		
Purpose of Str		e Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cemen		Type and Percent Additives
			ADDITIONA	L CEMENTING /	SQUEEZE	RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Use	d	Type and Percent Additives			
Protect Cas Plug Back	тр								
1. Did you perform	a hydraulic fractur	ing treatment on th	is well?			Yes	No (If N	lo, skip questions 2 an	nd 3)
<ol> <li>2. Does the volume</li> <li>3. Was the hydrauli</li> </ol>	e of the total base	fluid of the hydrauli	c fracturing treatmer		-	Yes Yes	No (If N	lo, skip question 3) Io, fill out Page Three	
Date of first Produc Injection:	ction/Injection or R	esumed Productior	n/ Producing Met	thod:	Gas Lif	t 🗌 O	ther <i>(Explain)</i> .		
Estimated Production Oil Bbls. Per 24 Hours			Gas	Mcf Water		er Bbls.		Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:				METHOD OF COMPLETION:				PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold Used on Lease			Open Hole		Dually Comp.       Commingled         (Submit ACO-5)       (Submit ACO-4)				
(If vented, Submit ACO-18.)									
Shots Per FootPerforation TopPerforation Bottom			Bridge Plug Type	Bridge Plug Acid, Fr Set At				t, Cementing Squeeze d Kind of Material Used)	

Packer At:

Size:

Set At:

TUBING RECORD:

Form	ACO1 - Well Completion			
Operator	Bobcat Oilfield Service, Inc.			
Well Name	HARVEY I-5			
Doc ID	1364161			

## 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	40	60/40 POZ

Owner OPR I Contr OPR I Surfa 20' of Longs 335' (	Owner:BOPR #:3Contractor:DOPR #:4Surface:Co20' of 6"5Longstring:Co		Harvey Bobcat Oilfield services Inc. 3895 DALE JACKSON PRODUCTION CO. 4339 Cemented: Hole Size: 5 Sacks 8 ¾" Cemented: Hole Size: 40 sacks 5 5/8" Well Log		Box 266, Ce Offi	Dale Jackson Production Co. Box 266, Mound City, Ks 66056 Cell # 620-363-2683 Office # 913-795-2991 SN: none Packer: Plugged: Bottom Plug:				Well #: I-5 Location: SE,SE,SW,SE S5,T20, R23 County: Linn FSL: 47 FEL: 1325 API#:15-107-25203-00-00 Started:6/14/17 Completed:6/15/17 TD: 341
TKN	BTM Depth				TKN BT		M Formation			
1	1		Top soil	New York Contraction of Contraction Section	STATISTICS IN THE REPORT OF	-	Dep	-un		
4	5		Clay and lim	ne			1	_		
29	34		Lime							
4	38		Shale				1			
5	43		Black shale							
20	63		Lime (sandy	/)						
2	65		Shale			-				
3	68		Black shale							
3	71		Lime					-		
4	75		Shale							
5	80		Lime						Set surface 1	:30P.M. 6/14/17
44	124		Shale						Called in 11:1	
20	144		Sandy shale	1					Longstring 3	35' 2 7/8 " 8rd TD 341
87	231		Shale					Set time 12	:30P.M. 6/15/17	
1	232		Black shale					Call in 11:20	A.M. Brooke	
9	241		Shale			_				
5	246		Lime							
24	270		Shale			_				
9	279		Lime							
2	281		Light shale	theme and the second						
3	284			y shaley)(poor bleed)(v						
3	287			or bleed)(water)(flow g	as and water)					
3	290			r bleed)(some water)						
3	293			r bleed)(some shale)						
7	300			od bleed)(some water)						
11 2	311 313		Shale (oil sa	aley)(fair bleed)						
13	313		Shale (oil sa	nu sukj						
2	328		Coal							
8	328		Shale						-	
TD	341		Lime							
	511		Sinc							
			_							
						1				