#### KOLAR Document ID: 1421736

Confiden	tiality 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:	Sec TwpS. R East West
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.xxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
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)
Commingled Permit #:	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 Twp S. 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:

#### KOLAR Document ID: 1421736

Operator Nam	ne:			Lease Name:	_ Well #:
Sec	Twp	S. R	East West	County:	

Page Two

**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 Take				Yes	] No			Log	Formatio	n (Top), Deptl	n and Datum	Sample
(Attach Additiona				<i>(</i>	1		Nan	ne			Тор	Datum
Samples Sent to Ge Cores Taken Electric Log Run Geologist Report / M List All E. Logs Run:	Mud Logs	rvey		Yes Yes Yes	] No ] No ] No ] No							
			Rep			RECORD			Used	on, etc.		
Purpose of String		ze Hole Drilled	S	ize Casing et (In O.D.	]	Wei Lbs.	ght	5	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Purpose: Depth		Tur	ADDITIONAL Type of Cement		L CEMENTING / S # Sacks Used		/ SQUEEZE RECORD ed Type and Percent Additives					
Perforate Top Bottom		Typ		5111	# 54068	oseu			Type at	iu Fercent Additives		
Protect Casing Plug Back TD Plug Off Zone												
<ol> <li>Did you perform a h</li> <li>Does the volume of</li> <li>Was the hydraulic fr</li> <li>Date of first Production Injection:</li> </ol>	the total base	e fluid of the h	ydraulic f ion subm	racturing t itted to the Produce		cal disclosure	e registry		☐ Yes ☐ Yes ☐ Yes ft ☐ O	No (If No	, skip questions 2 ar , skip question 3) , fill out Page Three	
Estimated Production Per 24 Hours	I	Oil B	Bbls.	Ga	as	Mcf	Wa	ter	Bt	bls.	Gas-Oil Ratio	Gravity
DISPOSIT	TION OF GAS	3:			1		COMPL	ETION:			PRODUCTIC Top	DN INTERVAL: Bottom
	old Use	ed on Lease 3.)		Open Ho	le	Perf.	Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		•	100		
Shots Per Foot	Perforation Top	Perforat Bottor		Bridge F Type	Plug	Bridge Plu Set At	ıg		Acid,		Cementing Squeeze Kind of Material Used)	
TUBING RECORD:	Size:		Set At	:		Packer At:						

Form	ACO1 - Well Completion
Operator	Hughes Drilling Co, a General Partnership
Well Name	MCKAUGHAN 9
Doc ID	1421736

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	7	10	37	Common	12	50/50 POZ

					Co., Kansas	í.
. <b>9</b> .	HUG	HES DRILLI	NG REPORT		2475 FSL 32	
			PERMANENT	rer	API#15-091-244	198
Q.						
Well No. 9	Size.	36.70	Size.		STRATA FORMATIO	DN T.D.
Farm Allers			Feel	15. 1	2 soil	2
		ated 12 sx cement	T. D. at Completio	915	34 Clay	36
OPERATOR H	es Drilling	-	T. D. at Completio	HES DRILLING CO.	37 Shute	75
			Contractor 2. 1199.	NES DRILLING LU.	27 Lime	
DATE	PRILLED FEOM TO	uemanks T	YPE WORK BILLING GEF.	PIPE TALLY		129
6-14-18	02	Sui)		, 10 21.5 - 21.5	4 shall	12.3
36	2 36-	clay		(2)225- 44.0	19 Lin-	142
	36 75	shale		2025	25 Shule	
6-17-10	12-16-	1	= 0 -= 121 \	15 12.5-6k.	- 29 Line 9 Shale	19)
( could/e)	15 102	Lime CGRO	San 83-86)	(1)22 87.4	1 Linne	201
1 H 3/		Shale (slate	[02-103]	<u>()225-1115</u>	17 Shulc	218
				6122.7 139.0	13 LINNE	2:31
	119 123	Shale		(126.5 156.7	- 29 Shorte	260
	123 142.	LIME	0	(3)25-171.0	6 Shyle	273
	192 167	Shale CRed Be	d (45-146)	9/22.5-201.5	12 Line.	1285
	167 191	Lime		Q225 2240	17 Shale	302
	191 200	Shall		(1)22.5- 246.5	- 9 Link	311
	200 201	Lime		(12)22.5- 269.0	2 Shall	310
	201 218	Shule		(1)22.5- 291.5	42- Shall-	366
	218 231	Livoc		11/225- 314.0	30 24 Line	390
	231 260	Shalt		1D225-336,3	1 Shurle	and the second se
		Lime		Q225- 359.	20' 23 Livine 4 Shall	1 420
	267 273	•		(1)225- 381.5		427
		Livre	-1100- MALE 10	(18)225-404.0	S shale	432-
	285 302			1 22.5- 426.5	Horther & Linnes	1438
	the second s	Lime-		(20)22.5- 449.0	17/ Shalle 8 Line	117
		Shalz		1.0225-471.2	3 shule	617
		Link		3325-4940	4 Line	6.2.4.1
			cu-76/2)	(13)22 5-516.5	1 20010	63
30	366 390	Shate BEKA 3		(2025-539.0		63) (35) 652
		Sharte islate	791-201	(1925-561.5	31,000	655
20'			3/1010	ED225- 584.0	- 3 Lime B Shull	655
	120 424	Line.	4121-422 .*	2725-626.5	11 Link	674
	120 424	Shall Slate	421-422	(2)22, -606.)	20 Shale	614_
			7	<u></u>		

					· (	Co., Kansas	10-
	HUG	<b><i><b>GHES DRILLI</b></i></b>	ING REPORT		FS	iL	FEL
	SURF	FACE CASING	PERMANENT	ISG.	API #		
Well No. 9	Size.		Size		STRATA	FORMATION	T.D.
Farm V.M.C.		lated sx cement		× Č	5	Lime	691
		ated Sx cement	T. D. at Completion	915	50	and the second s	741
OPERATOR H	shes prilling		L. D. at Completion	IES DRILLING CO.	1	Lane	258
of short on ord	· · · ·		Contractor	LJ DITLETIO CO.	9	Shale.	21
DATE	DRIALED	REMARKS -	TYPE WORK - BILLING REF.	PIPE TALLY	27	Linno Shale	760
	424 427	Linger		(8225-629.0	3	Livic	300
	1	Lime			6		8010
VILLO		10		(29)22.5-651.5	3	shale L. MC	809
Hertla	432 438			(30) 22.5- 674.0	23	Shale	
	438 609	Shale CBLK.	1443-446) 31441	559-576)	/	hime	833
Casi	63 61	Lime Broker	<u>n)</u>	(SU1225- 694.5		shale	369
192012	617 620	Shale		(32)22.5-719.0	8	Shale	877
	620 624	Lime		(33)22.5-741.5	1/	Lime	878
1	624 631	Shale		(34)22.5-764.6	16	Shale	
	631 639	Livac	· · · · · · · · · · · · · · · · · · ·	3922.5- 786.5	j	Lime	395
	(3) 652			8622.5.809.	- 9	Shale	899
	and a second sec	Lime (Brow	(A)		3	sand	90
		denne a construction of the second seco		07 22.5- 871,	1 / 7	Shale	915
	655 663		(6)5636)	33) 22,5-854.	4		TO
	663 679	Lime	1	39 22.5-876.			
		Shale ized B	el 635-688)	(jid 22.9- 899.	P		
	1.01	Line					1
	699 7419	Shale-					
	749 750	Lime			-		
	750 159	Shale					+
		Linc					<u> </u>
	760.797	Shale					
	797 800						
	800 806						
	8d6 804						<u> </u>
							1
	809 832						
	832 333						
	833 868					1	· · · · · · · · · · · · · · · · · · ·
	868 869	hime		1		ī.	

1

			2				
		3M-10	953	9 1	TICKET NUME	ER 540	42
		80-17			LOCATION G	Hausa NS	
s L		\$T-109			7	asper Venunc	rdis
PRESSURE PUM		FIELD TICKE		TMENT REP	Up to a Size settlement of the end	la serest	101247
PO Box 884, Chank 620-431-9210 or 8			CEMEN			invoice-	Froist/
DATE CUS	TOMER #	WELL NAME & NUN	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
26/18 34	25 1	Uc Kaughan #	9	NW 36	14	21	10
ISTOMER 1	Trul			TRUCK #	DRIVER	TRUCK #	DRIVER
ILING ADDRESS	Land	ng	-	7474	Casken	Solat	1. dina
122 M	ain			400 P	Hackor	V	
Y	IS'	TATE ZIP CODE	-	8041	KoiDet /	~	
Wellsvill	0	KS 66092		007	Alle		
BTYPE Dug		OLE SIZE 55/8"	HOLE DEPTI	19151	CASING SIZE & V	/EIGHT	
SING DEPTH		RILL PIPE	TUBING			OTHER	
	SI	URRY VOL	WATER gale	sk	CEMENT LEFT in	CASING	
PLACEMENT	DI		MIX PSI		RATE 4 500	1	
MARKS: held	Safet	maetin estat	plished c	irculation	Through	drill steel	atto
ixed ta	mad	10 SK Pozb	lend 1A	- rement	w/ 6%	all per.	Sk
alled drill	steel -	to 450', m	ived +	pumped	50 500	centent	, connent
5 reface	, pulled	dril steel to	n well	topod	well off	y 10 1	c/s
revent un	ished u	p drill stad t	equipm	ent			
, -		1	0 '			()	
					()	19	
					1	T/	
stoner Jug	polled t	1.0				1' '	
V							
ACCOUNT CODE	QUANITY or	UNITS D	ESCRIPTION o	SERVICES or Pl	RODUCT	UNIT PRICE	TOTAL
50450	1	PUMP CHAR	GE			1500,00	
50002-1	30 .	MILEAGE				214.50	•
E0711	min	the second se	nilarge			(do0.00.	
	100011		Junge	tru	alex	2374.50	
					45%	1068.53	
					subtotal	10-100	1305.97
SR40	70	sts Porble	nd IA a	event	SUSICIL	945.00	
. 91e5	353 1	# Gel				105.90	
STOR	100 -	r fue		M. e. e.	lecials	105090	
		and the second		Ma		105090 472.91	
					Calder	7 Td. 11	574.99
					Subtotal		57+11
		OCHANE	ALCONO.				
		the second secon	- 924		terror and the second strategies of		
					7.975%	SALES TAX	46.08
in 3737					6) 67 F-1	ESTIMATED	
09	0111	x				TOTAL	1930.08
THORIZTION	2 1 Lym	/	TITLE			DATE	3509.21

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.