KOLAR Document ID: 1541216

Confident	tiality R	equested:
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	& I FASE
	III JIONI	- DESCRIF HOR		a LLASL

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.xxxx) (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 #:	Dewatering method used:
Dual Completion Permit #: 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:						

KOLAR Document ID: 1541216

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 Taken		Yes 🗌 No			og Formatio	on (Top), Depth	and Datum	Sample	
(Attach Additional Sh					Name	e		Тор	Datum
Samples Sent to Geological Survey Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:			Yes No Yes No Yes No Yes No Yes No						
		Rep	CASING	RECORD	_ Ne ^r e, inte		ion, etc.		
Purpose of String	Size Hole Drilled	S	ize Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Top Bottom Perforate		Тур	e of Cement	# Sacks Used		Type and Percent Additives			
Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fractular 	total base fluid of th	ie hydraulic f	racturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	skip questions 2 ar skip question 3) iill out Page Three	
Date of first Production/In Injection:	jection or Resumed	Production/	Producing Meth	nod:		Gas Lift 🗌 C	Other <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Icf Water Bbls. Gas-Oil Ratio			Gas-Oil Ratio	Gravity
			METHOD OF					PRODUCTION INTERVAL: Top Bottom	
Vented Sold	Used on Leas	ie L	Open Hole Perf.			·	mmingled mit ACO-4)		
Shots Per Perforation Perforation Foot Top Bottom			Bridge Plug Type	Bridge Plug Set At		Acid		ementing Squeeze	
TUBING RECORD:	Size:	Set At	:	Packer At:					

Form	ACO1 - Well Completion
Operator	McGown Drilling, Inc.
Well Name	DIRTY HARRY 2
Doc ID	1541216

Casing

	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	25	Portland	4	n/a
Production	5.875	2.875	6.5	486	Econobon d	57	n/a



				10 second		~	A CONTRACTOR OF A DESCRIPTION OF A DESCRIPANTE A DESCRIPANTE A DESCRIPANTE A DESCRIPTION OF A DESCRIPTION OF			
EMENT	1000				NUMBER OF STREET					
Custor	ner: N	McGown Drilling Well:			Well:	Dirty Harry	ICT4373			
City, St	ate:	Mound City, Ks. Count				Linn, Ks.	Linn, Ks. Date:			
Field F	tep: (Chris Mo	Gown		S-T-R:	NE 14-22-23 Service: Long string				
Downh	ole In	formatio	n		Calculated Slu	rry - Load	Calc	ulated Slurry - Tail		
Hole S	ize:	5 7/8	in		Blend:		Blond:			
Hole De	tole Depth: 490 ft Weight: ppg Weight:							PPg		
Casing S	ize:	2 7/8	in		Water / Sx:	Water / Sx: gal / sx Water / Sx:				
Casing De		486			Yield:	ft ³ / sx	Yield:	ft ³ /sx		
Fubing / Li	5710		in		Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.		
	pth:		ft		Depth:	ft	Depth:	ft		
Tool / Pac	ENGE -		4		Annular Volume:	0.0 bbis	Annular Volume:	0 bbls		
Tool De Displacem	- 10 H		ft bbls		Excess:	0.0 bbls	Excess:	0.0 bbls		
a aparter an		COLUMN TWO IS NOT	STAGE	TOTAL	Total Slurry: Total Sacks:	#DIV/0! sx	Total Slurry: Total Sacks:	#DIV/0! sx		
TIME R	ATE	PSI	BBLs	BBLs	REMARKS	STOCKED CONTRACTOR	Total Sacks:	I Property and the second s		
9:00 AM			-	-	Arrive on location. Held s	afety meeting. Rig up				
				-						
9:30 AM		200.0		141	Established circulation o	n well. Mixed and pumped 10	0# gel to flush hole followed by 5	7 sacks Econobond		
					cement. Circulated ceme	nt to surface. Flushed pump.	Pumped plug to casing TD with c	lean water.		
	_	800.0		•	Well held 800 PSI. Set flo	at. Closed valve.				
	-									
	-			-						
	-			•						
	-+			•						
	-			· ·						
	-			-	· · · · · · · · · · · · · · · · · · ·					
				4						
						2.12				
	-		-	¥.						
	\rightarrow									
	\rightarrow			•				une *		
	-			· · ·						
	-									
				<u> </u>						
E. S.		CREW			UNIT		SUMMAR	Y LOLE HER SALES THE MEN THE SALES		
Ceme	nter:	10000000000	Mader		90	Average Rat		Total Fluid		
Pump Oper	ator:	Garr	ett Scott		239	#DIV/0! bpm	500 psi	- bbis		
Bul	k #1:	Mark	Foltz		247					
Bul	k #2:									



Mound City, KS 620.224.7406

										620.224.7406	
		Well						Са	sing		
		Dirty Ha	rry #2					Surface	Longstring		
	Mc	Gown Dr	illing,	Inc.			Size:	7" "	Size:	2 7/8 "	
							Tally:	25 '	Tally:	485.75	
API #:	15-107	7-25336	S-T-R:	14-22-23			Cement:	4 sx	Bit:	5.875 "	
County:	Linn		Date:	10/21/2020			Bit:	9.875 "	Date:	11/2/2020	
Тор	Top Base Formation				1	Тор	Base	Formation			
0	2	Soil									
2	19	Clay									
19	34	Lime									
34	90	Shale									
90	92	Coal									
92	112	Lime									
112	123	Shale									
123	131	Lime									
131	133	Blk. Shale									
133	140	Sand									
140	171	Shale									
171	191	Lime									
191	198	Shale									
198	199	Lime									
199	201	Coal									
201	234	Shale									
234	240	Sand									
240	298	Shale									
298	300	Lime									
300	353	Shale									
353	357	Lime									
357	453	Shale									
453	470	Sand									
470	490										
490		TD						Sand / Core I	Detail		
						Core #1:		Core #2	2:		
						133	140	Sand, slight odor			
						234	240	Sand, good odor,	fair bleed	to pit	
						453	457	Soft sand, good o	dor, good	bleed	
						462	470	Slight bleed, wate	er?		
								Perf 453-60			
			ľ	Total Depth:	4	90					