KOLAR Document ID: 1672000

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:	
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.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:
OG GSW 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	Duilling Fluid Management Disp
Plug Back Liner Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (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 #:	Lease Name: 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:				

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Operator Nam	ie:			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 (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c		Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled	Siz	ze 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	Type of Cement		# Sacks Used			Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold Used on Lease (If vented, Submit ACO-18.)			Open Hole Perf.		-	·	mingled	юр	
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion	
Operator	Crude Kin Oil Company, Inc.	
Well Name	KOVER 4	
Doc ID	1672000	

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	20	Portland	4	50/50 POZ
Production	5.625	2.875	10	553	Portland	64	50/50 POZ



						~		
MENT T								EBC400
				ompany, In	C Well:	Kover 4	Ticket:	EP6109
City, Sta	nte: L	ouisbur	g, KS		County:	MI, KS	Date:	9/28/2022
Field R	ep: L	ane Tow	n		S-T-R:	35-17-21	Service:	Longstring
Downho	ole In	formation			Calculated Slu	irry - Lead	Calcula	ated Slurry - Tail
Hole Si	ize:	5 5/8 i	1		Blend:	Econobond	Blend:	
Hole Dep	oth:	580 f	t		Weight:	13.52 ppg	Weight:	gqq
Casing Si	ize:	2 7/8 i	1		Water / Sx:	7.12 gal / sk	Water / Sx:	gal / sk
asing Dep	oth:	554 f	:		Yield:	1,56 ft ³ / sk	Yield:	ft ³ / sk
ubing / Lir	Tres 1	i			Annular Bbis / Ft.:	bbs / ft.	Annular Bbis / Ft.:	bbs / ft.
	oth:	f	-		Depth:	ft	Depth: Annular Volume:	0 bbls
ool / Pack		baffle			Annular Volume:	0.0 bbls	Excess:	0 0013
Tool Dep		522.00 f			Excess: Total Slurry:	bbls	Total Slurry:	0.0 bbls
isplaceme	anta –	3.02 b	TAGE	TOTAL	Total Sacks:	0 sks	Total Sacks:	0 sks
IME R/	ATE		BBLs	BBLs	REMARKS			
2:00 PM			-		on location, held safety	meeting		
				6				
4.0	0			-	established circulation			
4.0	0					Bentonite Gel followed by 4 bb		
4.0	0			•2	mixed and pumped 64 s	ks Econobond cement, cement t	o surface	
4.0	0			5 4 5	flushed pump clean			
1.0	0			•		ug to baffle with 3.02 bbls fresh	water	
1.0	0				pressured to 800 PSI, w			
	_	-			released pressure to set	float valve		
4.0	0				washed up equipment			
3:00 PM	-+		-	· · ·	left location			
3.00 PW	-				Introduction			
				•				
	\square			5 - 1				
				-				
	\rightarrow			() .				
	-+	Ū.						
	-+			-				
and the second second		CREW			UNIT		SUMMARY	
Ceme	nter:		Kenned	ly	931	Average Rate	Average Pressure	Total Fluid
ump Oper	_	Nick E			209	3.1 bpm	- psi	- bbls
	3ulk:	Devin	Katzer		248			
I	H2O:	Doug	Gipson		110			

Miami County, KSTDR Construction, Inc.Commenced Spudding:Well: Kover 4(913) 710-540009/27/2022 Lease Owner:Crude Kin Oil

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
13	Lime	28
11	Shale	39
2	Lime	41
16	Shale	57
8	Lime	65
39	Shale	104
17	Lime	121
8	Shale	129
13	Lime	142
2	Shale	144
12	Lime	156
7	Shale	163
21	Lime	184
4	Shale	188
5	Lime	193
1	Shale	194
6	Lime	200
100	Shale	300
8	Sandy Shale	308
38	Shale	346
4	Sand	350
14	Lime	364
43	Shale	407
6	Lime	413
14	Shale	427
2	Lime	429
12	Shale	441
6	Lime	447
17	Shale	464
2	Lime	466
4	Shale	470
3	Lime	473
3	Sandy Shale	476
1	Sand	477
11	Sand	488
9	Sand	497
23	Sandy Shale	520
60	Shale	580-TD

Short Cuts

BBLS. (42 gal.) equals D²x.14xh D equals diameter in feet. h equals height in feet.

BARRELS PER DAY Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004 BPH - barrels per hour PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave
* d - Diameter of Engine Sheave
SPM - Strokes per minute
RPM - Engine Speed
R - Gear Box Ratio
*C - Shaft Center Distance

D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

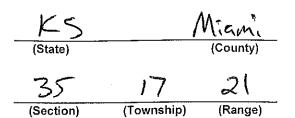
BELT LENGTH - 2C + 1.57(D + d) + $\frac{(D-d)^2}{4C}$

* Need these to figure belt length WATTS = AMPS TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP

Log Book

Well No._____

Farm Kover



For	Lrude	Kin	0.1	Co	
		(Well Owr	ner)		

15-121-31737

Town Oilfield Services, In C. 1207 N. 1st East Louisburg, KS 66053 913-710-5400

Koud Farm: Miami County KS_State; Well No. ____ 4 876 Elevation_ a-Commenced Spuding 0 Finished Drilling WESLE Driller's Name Driller's Name Driller's Name Tool Dresser's Name <u>Cruz</u> tarte Tool Dresser's Name Tool Dresser's Name TDR Contractor's Name 21 35 17 (Township) (Range) (Section) Distance from _2805 line, _ ...ft. Distance from 3/35 line, ft. 4 sacles 8his 578 boschole 276 CASING AND TUBING RECORD 10" Set _____ 10" Pulled 8" Pulled ___ 8" Set _____

CASING AND TUBING MEASUREMENTS

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Feet Feet ln. In. Feet In. 52 00 580

-1-

. . .

6¼" Pulled __

4" Pulled _

2" Pulled

6¼" Set _ 20

4" Set _____

2" Set _____

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			х
Thickness of Strata	Formation	Total Depth	Remarks
0-15	soil-clay	15	
13	Lime	28	
1/	Shale	39 -	
2	Lime	41	
16	Shale	57	
8	Lime	_65_	
39	Shale	104	
17	Lime	$ \mathcal{X} $	
<u> </u>	Shale	129	`.
15	Lime	142	
2	Shalk	199	
12	Lime	150	
	Shalt	$-\frac{105}{100}$	
~~~	Lime	179	
<u> </u>	Jime	188	
-5		195	·
1	Lime	194	
100	<	300 -	•
2	Sandy Shale	300	
25	<1.10	341	
- 4	Sand	350	
14	line	350 350 364	as oder
43	Lime Shall	407	
6	Lime	413	
14	Shale	427	
2	Lime Shale Lime -2-	429	
	-2-	<b></b>	-3-

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