KOLAR Document ID: 1668272

Confidentiality 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:		SecTwpS. R □East □ West				
Address 2:		Feet from				
City: State:	Zip:+	Feet from _ East / _ West Line of Section				
Contact Person:		Footages Calculated from Nearest Outside Section Corner:				
Phone: ()		□NE □NW □SE □SW				
CONTRACTOR: License #		GPS Location: Lat:, Long:				
Name:		(e.g. xx.xxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84				
Purchaser:		County:				
Designate Type of Completion:		Lease Name: Well #:				
New Well Re-Entry	Workover	Field Name:				
□ oil □ wsw □	SWD	Producing Formation:				
	EOR	Elevation: Ground: Kelly Bushing:				
	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?				
If Workover/Re-entry: Old Well Info as for	ollows:	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				
	nit #:	Dewatering method used:				
	mit #: mit #:	Location of fluid disposal if hauled offsite:				
	nit #:	Location of fluid disposal if flauled offsite.				
	mit #:	Operator Name:				
		Lease Name: License #:				
Spud Date or Date Reached	TD Completion Date or	Quarter Sec TwpS. R				
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 Approved by: Date:					

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Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	rpS	S. R	Eas	st West	County:					
	l, flowing an	d shut-in pres	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests (Attach Addit)		Yes No		Lo		n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Log	s		Yes No Yes No Yes No						
			Rep	CASING	RECORD [Nev		on, etc.		
Purpose of St	tring	Size Hole Drilled		Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		<u>'</u>	
Purpose: Perforate		Depth Top Bottom	Тур	pe of Cement	# Sacks Use	# Sacks Used Type and Percent Additives				
Protect Ca										
Plug Off Z										
Did you perform Does the volume Was the hydraul	e of the total	base fluid of the	hydraulic	fracturing treatment		-	Yes yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Produ Injection:	ction/Injectio	n or Resumed P	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			DN INTERVAL: Bottom
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled nit ACO-4)	Тор	BOLLOTTI
,	ed, Submit AC							·		
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	Size:	Set A	: -	Packer At:					

Form	ACO1 - Well Completion		
Operator	TDR Construction, Inc.		
Well Name	MOLDENHAUER 107		
Doc ID	1668272		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	7	10	21	Portland	3	50/50 POZ
Production	5.625	2.875	8	833	Portland	90	50/50 POZ



CEMENT	TRE	ATMEN	T REP	ORT					
Cust	tomer:	TDR Co	nstructi	ion	Well:	Mo	Idenhauer 107	Ticket:	EP6021
		Louisbu			County:		FR, KS	Date:	9/20/2022
		Lance T			S-T-R:	10.00	29-15-21	Service:	Longstring
	a maps								
Đow	nhole l	nformatio	on		Calculated SI	urry - Lead		Galc	ulated Slurry - Tail
Hole	e Size:	5 5/8	ln		Blend:	Econobono	1	Blend:	
Hole I	Depth:	860	ft		Weight:	13.52 ppg		Weight:	ppg
Casing	g Size:	2 7/8	in		Water / Sx:	7.12 gal /		Water / Sx:	gal / sk
Casing I		833	ft		Yield:	1.56 ft ³ / s	sk	Yield:	ft ³ / sk
Tubing /	Liner:		in		Annular Bbls / Ft.:	bbs /	ft.	Annular Bbis / Ft.:	bbs / ft.
	Depth:		ft		Depth:	ft		Depth:	ft
Tool / Pa		baf	fle		Annular Volume:	0.0 bbls		Annular Volume:	0 bbls
Tool	Depth:	800.70	ft		Excess			Excess	And the Section Control of the Section Contro
Displace	ment:	4.63	bbis		Total Slurry:	25.01 bbls		Total Slurry:	0.0 bbls
TIBLE	DATE	PSI	STAGE BBLs	TOTAL BBLs	Total Sacks: REMARKS	90 sks		Total Sacks:	0 sks
TIME	RATE	PSI				maating		M. F. F.	100
4:45 PM			-		on location, held safety	meeung			WAY
	4.0			-	established circulation			4.16.00	Acres Anna Park
	4.0				mixed and pumped 2004	ž Bantonita Gal fr	liowed by 4 bbls fre	sh water	
···	4.0			-	mixed and pumped 90 s				
	4.0				flushed pump clean	Ka Econopona ec	inone, demone to da	11444	
	1.0				pumped 2 7/8" rubber p	lug to baffle with	4 63 bhis fresh wate	9F	
	1.0				pressured to 800 PSI, w				
	1,0				released pressure to se				
	4.0			_	washed up equipment				
5:45 PM				****	left location				
				-					
				,					
				-					
				-				A1/40 EFFE	
									·············
				-					
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					-1-44-6				
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				u garana a					
		CREW			UNIT	·		SUMMAR	
	menter:		y Kenne	dy	931		Average Rate	Average Pressure	Total Fluid
Pump Op			Beets		239		3.1 bpm	- psi	- bbis
	Bulk: H2O:		n Katzer h Detwilei		248 110				
	TZQ)	Aeiu	. Patwite		ļ.,,,,				·····

Franklin County, KS Well:Moldenhaur 107 Lease Owner: TDR

WELL LOG

Thickness of Strata	Formation	Total Depth
0-12	Soil-Clay	12
69	Shale	81
25	Lime	106
8	Shale	114
11	Lime	125
3	Shale	128
20	Lime	148
37	Shale	185
20	Lime	205
78	Shale	283
27	Lime	310
5	Shale	315
4	Lime	319
1	Shale	320
8	Lime	328
42	Shale	370
2	Lime	372
15	Shale	387
8	Lime	395
2	Shale	397
15	Lime	412
8	Shale	420
22	Lime	442
4	Shale	446
4	Lime	450
2	Shale	452
7	Lime	459
6	Shale	465
2	Lime	467
113	Shale	580
10	Sand	590
47	Shale	630
9	Lime	646
8	Shale	654
5	Lime	659
7	Shale	666
6	Lime	672
13	Shale	685
7	Lime	692
5	Shale	697

Lease Owner: TDR

Franklin County, KS TDR Construction, Inc. Commenced Spudding: Well:Moldenhaur 107 (913) 710-5400 09/19/2022

12	Lime	709		
18	Shale	727		
10	Sand	737		
2	Sand	739		
7	Sand	746		
8	Sand	754		
8	Cand	762		
15	Sandy Shale	777		
83	Shale	860-TD		

Short Cuts

TANK CAPACITY

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. 167					
Farm Mold	nhaver				
/45 (State)	Frank	(County)			
(Section)	(Township)	(Range)			
For TDR C	anstruction (Well Owner)	<u>~</u> 1			

Town Oilfield Services, Inc.

1207 N. 1st East Louisburg, KS 66053 913-710-5400

Molderhaver Franklin County 165 State; Well No. 107	, CA	SING A	ND TUBING	MEASU	JREMENTS	;
	Feet	ln.	Feet	ln.	Feet	In.
Elevation 1024	800.7	13.	CC1.		1001	111.
Commenced Spuding Sep. 19 2023 Finished Drilling Sep 20 20 22 Driller's Name Tyan Ward	2	.,,,,	114			
Finished Drilling Sep 20 20	833	+	lost			
Driller's Name Tyan Ward						_
Driller's Name	860	7	5		111111111111111111111111111111111111111	
Driller's Name						
Tool Dresser's Name Jay Sanders						
Tool Dresser's Name						
Tool Dresser's Name						
Contractor's Name TDR Construction						,
Contractor's Name TDR Construction 29 15 21						
(Section) (Township) (Range)	·					<i>'</i>
Distance from Sline, 245 ft.				_		
Distance from E line, 3140 ft.						<u> </u>
3 Sacks cement						
5-5/8" Bose hole				-		
2-7/8" Casing						
9 bes						
CASING AND TUBING						
RECORD	-					·······
RECORD	-					
10" Set 10" Pulled						
8" Set 8" Pulled				_ _		
7 5 Set 2 6 %" Pulled						
4" Set 4" Pulled						<u>_</u>
2" Set 2" Pulled			_1			

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	9	٠	
Thickness of Strata	Formation	Total Depth	Remarks
0-12	Soil/Clay	Depth /2	
69	Shark!	81	
25	Line	106	
8	Share	124	
/1	Line	125	
3	Short	128-	
20	Lim	148	
37	Shale	185	
20	Lime	205	
78	Shale	283-	
27	Lime	30	
5	Shale	315	
W	Line	319	
1 .	Shale	320 -	Special Control
8	Line	328 -	
42	Shale	370 -	
2	Lime	372	
15	Shale	387 -	
8	Line	395	
2	Shale.	397	
15	line	412	
8	Shake	420	
22	Lime	442	
4	5 hole	446	
4	Line	450	
2	Shahe	452.	
7	Line	459	Hertha
			

	Line	459	
Thickness of Strata	Formation	Total Depth	Remarks
G 7	Shak	465	*
2	Line	467	
113	Shale	580	
10	Jand	590	
40	Shak	631	
9	Line	646	
8	Shale	654	
5	Cime	659	
	5 hale	666	
6	Line	672	
13	Shale	685	
	line	692	
_5	Shake	697	
12	Line	709	
18	Shale	727	
10	Line	737	
	Sand	739	Broken, little oil show
-7	sand	746	Broken Good oil show Nostly Solid. Good oil show
8	Sand	754	Nostly Solid. Good oil show
8	<u>Sanol</u>	762	Broken, Good oil show
15	Sindy Shale	777	
83	Shale	960	

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