KOLAR Document ID: 1668237

Confiden	tiality Requeste	d:
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

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / 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 #	
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:
☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR	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:
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	
	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 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: 1668237

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 (Attach Additional Sh	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample	
Samples Sent to Geological Survey			⁄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	Туре	e of Cement	# Sacks Use	Used Type and Percent Ad		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 Water Bbls. Gas-Oil Ratio			Gas-Oil Ratio	Gravity		
DISPOSITIO	N OF GAS:		METHOD OF			TION:		PRODUCTION INTERVAL:	
Vented Sold (If vented, Subn	Used on Lease		Open Hole		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		Тор	Bottom	
Shots Per Perforation Perforation Foot Top Bottom			Bridge Plug Type	Bridge Plug Set At					
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	TDR Construction, Inc.
Well Name	MOLDENHAUER 102
Doc ID	1668237

Casing

	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	815	Portland	94	50/50 POZ



CEMEN'	T TRE	ATMEN1	r Rep(ORT					
Customer: TDR Construction			Well:	Moldenh	Moldenhauer 102		EP5940		
City, State: Louisburg, KS					County:	FR,	FR, KS Date		9/13/2022
Field Rep: Lance Town S-T-R: 32-15-21 Service:								Longstring	
Dow	inhole l	nformatio	n		Calculated Slu	irni - Lead		Caic	ulated Slurry - Tail
Hole Size: 5 5/8 in					Biend:	Econobond		Blend:	
	Depth:	840			Weight:	13.52 ppg		Weight:	ppg
	g Size:	2 7/8 i			Water / Sx:	7.12 gal / sk		Water / Sx:	gal/sk
Casing		815.6			Yield:	1.56 ft ³ /sk		Yield:	ft ³ / sk
Tubing /	Liner:	i	ìn		Annular Bbis / Ft.:	bbs / ft.		Annular Bbis / Ft.:	bbs / ft.
	Depth:	1	ft		Depth:	ft		Depth:	ft
Tool / P	acker:	baffi	e		Annular Volume:	0.0 bbls		Annular Volume:	0 bbls
Tool	Depth:	782,70	ft		Excess:			Excess:	
Displace	ement:	4.53	bbis		Total Slurry:	26.12 bbls		Total Slurry:	0.0 bbls
			STAGE	TOTAL	Total Sacks:	94 sks		Total Sacks:	0 sks
TIME	RATE		BBLs	BBLs	REMARKS				
3:15 PM			-	<u> </u>	on location, held safety r	neeting			
	L			-					****
	4.0			-	established circulation				
	4.0				mixed and pumped 200#	Bentonite Gel followed	by 4 bbls fresh w	ater	
	4.0			-	mixed and pumped 94 sk	s Econobond cement,	cement to surface		
	4.0			•	flushed pump clean				
	1.0				pumped 2 7/8" rubber pla	ug to baffle with 4.53 bb	ls fresh water		
	1.0			-	pressured to 800 PSI, we	II held pressure			····
				-	released pressure to set	float valve			
	4.0				washed up equipment				
				-					
4:15 PM				-	left location				
				-					
				-					
				-					<u>.</u>
				-					
				-					
	+		+	-					
				-					
				-					
					<u> </u>				
				-					September 1999
		CREW			UNIT			SUMMAR	n menete jalogo provinser en anteres estas e N
Ce	menter:		Kenned	v	931	Averag	e Rate A	verage Pressure	Total Fluid
Pump Op		Nick E			239		bpm	- psi	- bbis
	Bulk:		Gipson		248		•	• • •	
	H2O:		Detwiler		124				

Franklin County, KS Well:Moldenhaur 102 Lease Owner: TDR

WELL LOG

Thickness of Strata	Formation	Total Depth
0-18	Soil-Clay	18
46	Shale	64
5	Lime	69
3	Shale	72
16	Lime	88
8	Shale	96
10	Lime	106
3	Shale	109
19	Lime	128
43	Shale	171
20	Lime	191
21	Shale	212
2	Sand & Lime	214
58	Shale	272
39	Lime	311
22	Shale	333
1	Lime	334
20	Shale	354
2	Lime	356
15	Shale	371
24	Lime	395
11	Shale	406
22	Lime	428
2	Shale	430
3	Lime	433
4	Shale	437
7	Lime	444
2	Shale	446
5	Lime	451
112	Shale	563
11	Sand	574
34	Shale	608
3	Sand	611
7	Shale	617
9	Lime	626
9	Shale	635
25	Lime	637
8	Shale	645
7	Lime	652
14	Shale	666

Franklin County, KS Well:Moldenhaur 102 Lease Owner: TDR

TDR Construction, Inc. (913) 710-5400

	I	
3	Lime	669
9	Shale	678
10	Lime	688
17	Shale	705
5	Lime	710
6	Shale	716
3	Sand	719
5	Sand	724
2	Sand	726
6	Sand	732
3	Sand	735
18	Sandy Shale	753
87	Shale	840-TD
	· · · · ·	
		······································
·····		
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		-
	I	

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) + $\frac{(D-d)^2}{dC}$

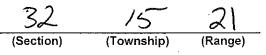
* Need these to figure belt length WATTS = AMPS TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP

Log Book

Well No.

Farm Molden haver





For TDR (OASTIVC (Well Owner)

15-059-27350

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

Meldenhauer Farm: Franklin County <u>State; Well No.</u> 102 1005 Elevation___ 9-12 Commenced Spuding 20_22 Finished Drilling WESLE ollar Driller's Name Rygn Ward Driller's Name Driller's Name Sanders Tool Dresser's Name Zay Tool Dresser's Name Tool Dresser's Name Contractor's Name 32 2 15 (Township) (Range) (Section) 5120 line, Distance from _ 47 40 Distance from _ line, 3 sacks 5-5/8" Bore hole 2-7/8" cassing. 9 hrs. CASING AND TUBING RECORD

10" Set _____ 10" Pulled 8″ Set 8" Pulled 2 6%" Set _ 6¼" Pulled 4″ Set _ 4" Pulled 2" Pulled 2″ Set

CASING AND TUBING MEASUREMENTS

Feet			1-0		
	in.	Feet	In.	Feet	ln.
7827	B	afte	~		
815.6	FI	ort		<u></u>	
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Thickness of Strata	Formation	Total Depth	Remarks
0-18	Soil- clay	18	
44	shale	64	
5	Lime	69	
3	Shale.	72	
16	Cine	88	
8	Shale	94	· · · ·
10	Cime	106	
3	Shale	109	
19	Lime	128	
43	Shale		
20	<u>Linu</u>	141	
$\overline{\mathbf{n}}$	Shale San)+Lime	210c	
50	Shale	272	
29	lim	311	
22	Shell.	333	
1	ling	374	
20	Shale	354	
a	Line	356	· · · · · · · · · · · · · · · · · · ·
15	Shak	371	
24	Line	395	
11	Shale	406	
22	Lime	428	· · · · · · · · · · · · · · · · · · ·
2	Shale	430	· · · · · · · · · · · · · · · · · · ·
3	Lime Shale	433	
4	Shall	437	
-/	-2-	444	Hertha

÷

		Line	444	e de la companya de l
	Thickness of Strata	Formation	Total Depth	Remarks
	R	Shake	446	
	5	Line	451	
· .	112		563	
	1.0	Shark Sand	574	Slightodor, No oil show
	34	Shale	608	
	3	Sand	GII	Noot
	7	Shele	617	
	9	Line	624	
	9	Shale	635	
	2	Lime	637	
- 12 - ∳	8	Shale.	645	
	2	Lime	652	
<u>ل</u>	14	Shak	666	
		Limi	669	
	9	Shale	678	
•	10	Line	638	
	17	Shale	705	·
	5	Lime	710	
	-6	Shele	716	
	3	Sand	719	Broken. 1ittle of show, odor.
	5	Sand	724	Broken Good oil show.
		Serg	726	Mostly Solid, Very good
	6	Sand	732	Broken, Good oil Show
• · · · · · · · ·	23	Sand		Broken, Cittle oil show.
:	18	Sandy Shak	153	,
	87	Jhale	840	T.D.
		4		
		-4-		-5-