

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

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: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**CEMENT TREATMENT REPORT**

<b>Customer:</b> TDR Construction	<b>Well:</b> Moldenhauer 105	<b>Ticket:</b> EP5985
<b>City, State:</b> Louisburg, KS	<b>County:</b> FR, KS	<b>Date:</b> 9/16/2022
<b>Field Rep:</b> Lance Town	<b>S-T-R:</b> 32-15-21	<b>Service:</b> Longstring

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	820 ft
Casing Size:	2 7/8 in
Casing Depth:	803.20 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packerc:	baffle
Tool Depth:	771.50 ft
Displacement:	4.47 bbls

Calculated Slurry - Lead	
Blend:	Econobond
Weight:	13.52 ppg
Water / Sk:	7.12 gal / sk
Yield:	1.56 ft <sup>3</sup> / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	25.01 bbls
Total Sacks:	90 sks

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sk:	gal / sk
Yield:	ft <sup>3</sup> / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sks

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
3:00 PM			-	-	on location, held safety meeting
	4.0			-	established circulation
	4.0			-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0			-	mixed and pumped 90 sks Econobond cement, cement to surface
	4.0			-	flushed pump clean
	1.0			-	pumped 2 7/8" rubber plug to casing TD with 4.47 bbls fresh water
	1.0			-	pressured to 800 PSI, well held pressure
				-	released pressure to set float valve
	4.0			-	washed up equipment
				-	
4:00 PM				-	left location
				-	
				-	
				-	
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				-	

CREW		UNIT		SUMMARY		
Cementer:	Casey Kennedy	931		Average Rate	Average Pressure	Total Fluid
Pump Operator:	Nick Beets	238		3.1 bpm	- psi	- bbls
Bulk:	Trevor Glasgow	248				
H2O:	Keith Detwiler	124				

Franklin County, KS  
 Well: Moldenhaur 105  
 Lease Owner: TDR

TDR Construction, Inc.  
 (913) 710-5400

Commenced Spudding:  
 09/15/2022

WELL LOG

Thickness of Strata	Formation	Total Depth
0-14	Soil-Clay	14
62	Shale	76
26	Lime	102
7	Shale	109
9	Lime	118
5	Shale	123
19	Lime	142
37	Shale	179
20	Lime	199
81	Shale	280
28	Lime	308
2	Shale	310
10	Lime	320
20	Shale	340
1	Lime	341
21	Shale	362
1	Lime	363
15	Shale	378
10	Lime	388
2	Shale	390
12	Lime	402
9	Shale	411
24	Lime	435
3	Shale	438
4	Lime	442
4	Shale	446
6	Lime	452
4	Shale	456
3	Lime	459
112	Shale	571
13	Sand	584
33	Shale	617
7	Sand	624
6	Shale	630
6	Lime	636
10	Shale	646
6	Lime	652
4	Shale	656
9	Lime	665
12	Shale	677



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 14 \times h$

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 -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times D$

R -  $RPM \times D$  over  $SPM \times d$

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

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. 105

Farm Moldenhauer

KS Franklin  
(State) (County)

29 15 21  
(Section) (Township) (Range)

For TDR Construction  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400





Thickness of Strata	Formation	Total Depth	Remarks
0-14	Soil / Clay	14	
62	Shale	76	
26	Lime	102	
7	Shale	109	
9	Lime	118	
5	Shale	123	
19	Lime	142	
37	Shale	179	
20	Lime	199	
81	Shale	280	
28	Lime	308	
2	Shale	310	
10	Lime	320	
20	Shale	340	
1	Lime	341	
21	Shale	362	
1	Lime	363	
15	Shale	378	
10	Lime	388	
2	Shale	390	
12	Lime	402	
9	Shale	411	
24	Lime	435	
3	Shale	438	
4	Lime	442	
4	Shale	446	
6	Lime	452	Hestha

Thickness of Strata	Formation	Total Depth	Remarks
	Lime	452	
4	Shale	456	
3	Lime	459	
112	Shale	571	
13	Sand	584	Slight odor
33	Shale	617	
7	Sand	624	No oil
6	Shale	630	
6	Lime	636	
10	Shale	646	
6	Lime	652	
4	Shale	656	
9	Lime	665	
12	Shale	677	
4	Lime	681	
8	Shale	689	
12	Lime	701	
16	Shale	717	
8	Lime	725	
<del>43</del> 3	Sandy Shale	728	
3	Sand	731	Broken, some oil show
12	Sand	743	Mostly solid, Good oil show
4	Sand	747	Broken, Good oil show
18	Sandy Shale	765	
55	Shale	820	T.D.