

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) (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

Customer: TDR Construction	Well: Moldenhauer 103	Ticket: EP5952
City, State: Louisburg, KS	County: FR, KS	Date: 9/14/2022
Field Rep: Lance Town	S-T-R: 32-15-21	Service: Longstring

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	840 ft
Casing Size:	2 7/8 in
Casing Depth:	816.3 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	baffle
Tool Depth:	783.70 ft
Displacement:	4.54 bbls

Calculated Slurry - Lead	
Blend:	Econobond
Weight:	13.52 ppg
Water / Sx:	7.12 gal / sk
Yield:	1.56 ft ³ / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	26.95 bbls
Total Sacks:	97 sks

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sk
Yield:	ft ³ / 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
3:15 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 97 sks Econobond cement, cement to surface
	4.0			-	flushed pump clean
	1.0			-	pumped 2 7/8" rubber plug to baffle with 4.54 bbls fresh water
	1.0			-	pressured to 800 PSI, well held pressure
				-	released pressure to set float valve
	4.0			-	washed up equipment
				-	
4:15 PM				-	left location
				-	
				-	
				-	
				-	
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				-	
				-	

CREW		UNIT	SUMMARY		
Cementer:	Casey Kennedy	931	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Nick Beets	239	3.1 bpm	- psi	- bbls
Bulk:	Scott McCrea	248			
H2O:	Doug Gipsan	110			

Frnklin County, KS
Well: Moldenhaur 103
Lease Owner: TDR

TDR Construction, Inc.
(913) 710-5400

Commenced Spudding:
9/13/22

WELL LOG

Thickness of Strata	Formation	Total Depth
0-16	Soil-Clay	16
55	Shale	71
5	Lime	76
3	Shale	79
15	Lime	94
10	Shale	104
9	Lime	113
4	Shale	117
17	Lime	134
41	Shale	175
20	Lime	195
80	Shale	275
30	Lime	305
3	Shale	308
8	Lime	316
20	Shale	336
1	Lime	337
20	Shale	357
1	Lime	358
16	Shale	374
24	Lime	398
9	Shale	407
23	Lime	430
3	Shale	433
4	Lime	437
4	Shale	441
6	Lime	447
3	Shale	450
4	Lime	454
118	Shale	568
10	Sand	578
33	Shale	611
4	Sand	615
7	Shale	622
8	Lime	630
11	Shale	641
2	Lime	643
7	Shale	650
4	Lime	654
16	Shale	670

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. 103

Farm Moldenhauer

KS
(State)

Franklin
(County)

32
(Section)

15
(Township)

21
(Range)

For TDR Construction
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Olderham Farm: Franklin County

165 State; Well No. 103

Elevation 1010 ft.

Commenced Spuding Sep 13 20 22

Finished Drilling Sep 14 20 22

Driller's Name Ryan Ward

Driller's Name

Driller's Name

Tool Dresser's Name Jay Sanders

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TDR Construction
32 15 21

(Section) (Township) (Range)
Distance from S line, 5205 ft.

Distance from E line, 4415 ft.

3 sacks cement
5-5/8" Bore hole
2-7/8" Casing
9 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

7 1/2" Set 20' _____ 6 1/2" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
783.7		Buffer			
816.3		Floater			
840		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-16	Soil + Clay	16	
55	Shale	71	
15	Lime	716	
3	Shale	79	
15	Lime	94	
10	Shale	104	
9	Lime	113	
4	Shale	117	
17	Lime	134	
41	Shale	175	
20	Lime	195	
80	Shale	275	
30	Lime	305	
3	Shale	308	
8	Lime	316	
20	Shale	336	
1	Lime	337	
20	Shale	357	
1	Lime	358	
16	Shale	374	
24	Lime	398	
9	Shale	407	
23	Lime	430	
3	Shale	433	
4	Lime	437	
4	Shale	441	
6	Lime	447	Heath

Lime 447

Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	450	
4	Lime	454	
118	Shale	568	
10	Sand	578	No oil
33	Shale	611	
4	Sand	615	No oil
7	Shale	622	
8	Lime	630	
11	Shale	641	
2	Lime	643	
7	Shale	650	
4	Lime	654	
16	Shale	670	
4	Lime	674	
9	Shale	683	
11	Lime	694	
13	Shale	707	
6	Lime	713	
7	Shale	720	
2	Sand	722	No oil show
2	Sand	724	Broken. Ok oil show
3	Sand	727	Mostly Solid, Good oil show
2	Sand	729	Broken, Good oil show.
2	Sand	731	Mostly Solid. Good oil show
3	Sand	734	Broken, Good oil show
3	Sand	737	Broken, little oil show
21	Sandy Shale	748	

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Cont. → -5-

