

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 Recompletion Date _____ 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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Franklin County, KS
 Well: N. Moldenhauer #23A
 Lease Owner: TDR

TDR Construction, INC
 (913) 710-5400

Commenced Spudding: 10/18/19

WELL LOG

Thickness of Strata	Formation	Total Depth
21	soil & clay	21
49	shale	70
4	lime	74
5	shale	79
16	lime	95
8	shale	103
10	lime	113
4	shale	117
20	lime	137
38	shale	175
21	lime	196
81	shale	277
40	lime	317
20	shale	337
1	lime	338
20	shale	358
3	lime	361
14	shale	375
10	lime	385
1	shale	386
13	lime	399
10	shale	409
22	lime	431
4	shale	435
2	lime	437
5	shale	442
6	lime	448 Hertha
119	shale	567
10	sand	577 very little odor & show
35	shale	612
5	sand	617 no oil
4	shale	619
11	lime	630
19	shale	649
2	lime	651
29	shale	670
5	lime	675
11	shale	686
3	lime	689
2	shale	691
4	lime	695

Franklin County, KS
Well: N. Moldenhauer #23A
Lease Owner: TDR

TDR Construction, INC
(913) 710-5400

Commenced Spudding: 10/18/19

Thickness of Strata	Formation	Total Depth
13	shale	708
2	lime	710
11	shale	721
2	sandy shale	723
2	sand	725 broken
7	sand	732 solid-good saturation & bleed
6	sand	738 broken - good saturation
4	sand	742 mostly solid
2	sand	744 broken
14	sandy shale	758
62	shale	820 TD

Log Book

Well No. 23 A

Farm N. Moldenhauer

KS Franklin
(State) (County)

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

For TDR Construction
(Well Owner)

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

N. Molbenhaus Farm: Franklin County

KS State: Well No. 23A

Elevation 1010' 10/18 20 19

Commenced Spuding 10/23 20 19

Finished Drilling Ryan Ward

Driller's Name

Driller's Name

Driller's Name

Tool Dresser's Name Seab Shown

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TDR

Contractor's Name 29 15 21 E

(Section) (Township) (Range)

Distance from S line, 207 ft.

Distance from E line, 4888 ft.

3 SA

5-5/8" bore hole

2-7/8" casing

CASING AND TUBING RECORD

RECORD

- 10" Set _____ 10" Pulled _____
- 8" Set _____ 8" Pulled _____
- 6 1/2" Set 21' 6 1/2" Pulled _____
- 4" Set _____ 4" Pulled _____
- 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
773'		to	1366'		
804'		Total Dip		2-7/8"	
820'		TD			

Thickness of Strata	Formation	Total Depth	Remarks
21	Soft Clay	21	
49	Shale	70	
4	Lime	74	
5	Shale	79	
16	Lime	95	
8	Shale	103	
10	Lime	113	
4	Shale	117	
20	Lime	137	
38	Shale	175	
21	Lime	196	
81	Shale	277	
40	Lime	317	
20	Shale	337	
1	Lime	338	
20	Shale	358	
3	Lime	361	
14	Shale	375	
10	Lime	385	
1	Shale	386	
13	Lime	399	
10	Shale	409	
22	Lime	431	
4	Shale	435	
2	Lime	437	
5	Shale	442	
6	Lime	448	

Hertha

448

Thickness of Strata	Formation	Total Depth	Remarks
19	Shale	567	
10	Sand	577	
35	Shale	612	very little odor + snow
5	Sand	617	
4	Shale	619	No oil
11	Lime	630	
19	Shale	649	
2	Lime	651	
29	Shale	680 670	
5	Lime	675	
11	Shale	686	
3	Lime	689	
2	Shale	691	
4	Lime	695	
13	Shale	708	
2	Lime	710	
11	Shale	721	
2	Sandy Shale	723 723	
2	Sand	725 725	Broken
7	Sand	732	Solid - Good Substraction + Good
6	Sand	738	Broken - Good Substraction
4	Sand	742	Mostly Solid
2	Sand	744	Broken
14	Sandy Shale	758 758	
	Shale	820	T.D.

