

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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County, KS
Well: Ward #5
Lease Owner: TDR

TDR Construction, Inc.
913-710-5400

Commenced Spudding:
01/10/2022

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
9	Lime	18
11	Sandy Shale	29
16	Lime	45
17	Shale	62
4	Sandy Shale	66
2	Shale	68
16	Lime	84
66	Shale	150
22	Lime	172
12	Shale	184
11	Lime	195
19	Shale	214
4	Red Bed	218
8	Shale	226
4	Lime	230
41	Shale	271
10	Lime	281
16	Shale	297
25	Lime	322
7	Shale	329
20	Lime	349
4	Shale	353
2	Lime	355
3	Shale	358
10	Lime	368
12	Shale	380
7	Sand	387
20	Shale	407
17	Sand	424
20	Sandy Shale	444
56	Shale	500
10	Sandy Shale	510
72	Shale	582
8	Lime	590
2	Shale	592
3	Sand	595
14	Shale	609
5	Lime	614
6	Shale	620



CEMENT TREATMENT REPORT

Customer:	TDR Construction	Well:	Ward 5	Ticket:	EP3694
City, State:	Louisburg, KS	County:	MI, KS	Date:	1/13/2022
Field Rep:	Lance Town	S-T-R:	18-16-24	Service:	longstring

Downhole Information	
Hole Size:	6 3/4 in
Hole Depth:	820 ft
Casing Size:	4 1/2 in
Casing Depth:	785 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	baffle
Tool Depth:	753 ft
Displacement:	12.01 bbls

Calculated Slurry - Lead	
Blend:	Econobond
Weight:	13.65 ppg
Water / Sx:	7.12 gal / sx
Yield:	1.56 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	26.34 bbls
Total Sacks:	102 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

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 6 bbls dye marker
	4.0			-	mixed and pumped 102 sxs Econobond cement
	4.0			-	dye marker to surface
	4.0			-	flushed pump clean
	4.0			-	pumped 4 1/2" rubber plug to baffle with 12.01 bbs fresh water, cement to surface
	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

CREW		UNIT	SUMMARY		
Cementer:	Casey Kennedy	89	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Nick Beets	238	3.7 bpm	- psi	- bbls
Bulk:	Pat Sanborn	248			
H2O:	Keith Detwiler	124			

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

Oil

Log Book

Well No. 5

Farm Ward

KS Miami
(State) (County)

18 16 24
(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
0-9	soil-clay	9	
9	Lime	18	
11	Sandy shale	29	
16	Lime	45	
17	Shale	62	red bed
4	Sandy shale	66	
2	Shale	68	
16	Lime	84	
66	Shale	150	
22	Lime	172	
12	Shale	184	
11	Lime	195	
19	Shale	214	some sand - no oil or gas
4	red bed	218	
8	Shale	226	
4	Lime	230	
41	Shale	271	
10	Lime	281	
16	Shale	297	
25	Lime	322	
7	Shale	329	
20	Lime	349	
4	shale	353	
2	Lime	355	
3	Shale	358	
10	Lime	368	Hertha
12	Shale	380	

380

Thickness of Strata	Formation	Total Depth	Remarks
7	sand	387	mostly solid - good bleed
20	Shale	407	
17	sand	424	water
20	sandy shale	444	
56	Shale	500	
10	sandy shale	510	
72	Shale	582	
8	Lime	590	
2	Shale	592	
3	sand	595	no oil or gas
14	Shale	609	
5	Lime	614	
6	Shale	620	
1	Lime	621	
2	shale	623	
4	Lime	627	
7	Shale	634	
7	Lime	641	
9	Shale	650	
1	Lime	651	
9	Shale	660	
4	Lime	664	
59	Shale	723	
4	sand	727	gas odor - clean brown sand
27	sandy shale	754	
32	Shale	786	
10	sand	796	no oil or gas

