

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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Log Book

Well No. 20A

Farm Duffy

KS Franklin
(State) (County)

32 15 21
(Section) (Township) (Range)

For IDK construction
(Well Owner)

15-059-27304

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

Duffy Farm: Franklin County
 E5 State: Wall No. 20A

Elevation 1023

Commenced Spudding 7-2 21

Finished Drilling 7-7 21

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Jernail Bost

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TDR

(Section) (Township) (Range)

Distance from S line, 1787 ft.

Distance from E line, 347 ft.

4 sacks

9 hrs

5 5/8 borehole

2 1/8 casing

CASING AND TUBING

RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 6 1/4" Set 20 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
795		Bottom			
826		Floet		2 1/8	
840		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-43	Soil-clay	43	
17	Shale	60	
8	Lime	68	
2	Shale	70	
16	Lime	86	
7	Shale	93	
13	Lime	106	
2	Shale	108	
19	Lime	127	
40	Shale	167	
19	Lime	186	
78	Shale	264	
22	Lime	286	
25	Shale	311	
6	Lime	317	
22	Shale	339	
2	Lime	341	
18	Shale	359	
2	Lime	361	
15	Shale	376	
25	Lime	401	
8	Shale	409	
22	Lime	431	
4	Shale	435	
4	Lime	439	
5	Shale	444	
5	Lime	449	
			Hertha

Thickness of Strata	Formation	Total Depth	Remarks
125	Shale	574	
3	sand	577	
11	sand	588	no oil
44	shale	632	broken - good bleed
6	lime	638	
7	shale	645	
6	lime	651	
6	shale	657	
6	lime	663	
15	shale	678	
3	lime	681	
15	shale	696	
6	lime	702	
18	shale	720	
3	lime	723	
4	shale	727	
5	sandy shale	732	
9	sand	741	broken - not much oil
8	sand	749	mostly solid - good saturation
3	sand	752	no oil - grey
14	sand	766	mostly solid - good saturation
4	black sand	770	no oil
70	shale	840	TD

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WELL LOG

Thickness of Strata	Formation	Total Depth
0-43	Soil-Clay	43
17	shale	60
8	lime	68
2	Shale	70
16	Lime	86
7	Shale	93
13	Lime	106
2	Shale	108
19	Lime	127
40	Shale	167
19	Lime	186
78	Shale	264
22	Lime	286
25	Shale	311
6	Lime	317
22	Shale	339
2	Lime	341
18	Shale	359
2	Lime	361
15	Shale	376
25	Lime	401
8	Shale	409
22	Lime	431
4	Shale	435
4	Lime	439
5	Shale	444
5	Lime	449 hertha
125	Shale	574
3	Sand	577 no oil
11	sand	588 broken - good bleed
44	shale	632
6	lime	638
7	shale	645
6	lime	651
6	shale	657
6	lime	663
15	Shale	678
3	Lime	681
15	Shale	696
6	Lime	702



CEMENT TREATMENT REPORT

Customer: TDR Construction	Well: Duffy 20-A, W-21	Ticket: EP2187
City, State: Louisburg, KS	County: FR, KS	Date: 7/7/2021
Field Rep: Lance Town	S-T-R: 32-15-21	Service: longstrings

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	840 ft
Casing Size:	2 7/8 in
Casing Depth:	826 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	baffle
Tool Depth:	795 ft
Displacement:	4.60 bbbls

Calculated Slurry - Lead	
Blend:	50/50/2
Weight:	14.25 ppg
Water / Sx:	5.63 gal / sx
Yield:	1.24 ft ³ / sx
Annular Bbls / Ft:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbbls
Excess:	
Total Slurry:	bbbls
Total Sacks:	0 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 bbbls
Excess:	
Total Slurry:	0.0 bbbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:00 PM			-	-	on location, held safety meeting
4.0			-	-	20-A - established circulation
4.0			-	-	mixed and pumped 200# Bentonite Gel followed by 4 bbbls fresh water
4.0			-	-	mixed and pumped 96 sks 50/50/2 Pozmix cement, cement to surface
4.0			-	-	flushed pump clean
1.0			-	-	pumped 2 7/8" rubber plug to baffle with 4.60 bbbls fresh water
1.0			-	-	pressured to 800 PSI, well held pressure
			-	-	released pressure to set float valve
4.0			-	-	washed up equipment
4.0			-	-	W-21 - established circulation
4.0			-	-	mixed and pumped 200# Bentonite Gel followed by 4 bbbls fresh water
4.0			-	-	mixed and pumped 95 sks 50/50/2 Pozmix cement, cement to surface
4.0			-	-	flushed pump clean
1.0			-	-	pumped 2 7/8" rubber plug to baffle with 4.59 bbbls fresh water
1.0			-	-	pressured to 800 PSI, well held pressure
			-	-	released pressure to set float valve
4.0			-	-	washed up equipment

	CREW	UNIT	SUMMARY		
	Average Rate	Average Pressure	Total Fluid		
Cementor:	Casey Kennedy	47	3.1 bpm	- psi	- bbbls
Pump Operator:	Garrett Scott	239			
Bulk:	Pat Sanborn	248			
H2O:	Devin Katzer				