KOLAR Document ID: 1472215

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 # 32218
Name: TDR Construction, Inc.
Address 1: PO BOX 339
Address 2:
City: LOUISBURG State: KS Zip: 66053 + 0716
Contact Person: Lance Town
Phone: (913) 710-5400
CONTRACTOR: License # 32218
Name: TDR Construction, Inc.
Wellsite Geologist: N/A
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 #:

8/15/2019 Spud Date or Recompletion Date
9/3/2019 Date Reached TD
9/3/2019 Completion Date or Recompletion Date

API No.: 15-059-27199-00-00
Spot Description:
E2 - SE - SW - NE Sec. 32 Twp. 15 S. R. 21 ☑ East ☐ West
2970 Feet from ☐ North / ☑ South Line of Section
1390 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Franklin
Lease Name: MCCOY Well #: 9W
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1039 Kelly Bushing: 0
Total Vertical Depth: 840 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 31 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: 1500 ppm Fluid volume: 20 bbls
Dewatering method used: Evaporated
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:** Karen Ritter **Date:** 10/14/2019

Operator Name: TDR Construction, Inc. Lease Name: MCCOY Well #: 9W

Sec. 32 Twp. 15 S. R. 21 ☑ East ☐ West County: Franklin

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☐ Yes	☑ No

List All E. Logs Run:

GammaRayNeutronCCL

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Squirrel	734	GL

CASING RECORD ☑ New ☐ 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
Surface	9	6.25	10	31	Portland	6	50/50 POZ
Production	5.625	2.875	8	832	Portland	128	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	734	744

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
	734	744			

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	TDR Construction, Inc.
Well Name	MCCOY 9W
Doc ID	1472215

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9	6.25	10	31	Portland	6	50/50 POZ
Production	5.625	2.875	8	832	Portland	128	50/50 POZ

Franklin County, KS
Well:McCoy 9W
Lease Owner: TDR

TDR Construction, Inc.
(913) 710-5400

Commenced Spudding:
08/15/2019

WELL LOG

Thickness of Strata	Formation	Total Depth
0-44	soil-clay	44
28	shale	72
7	lime	79
3	shale	82
16	lime	98
8	shale	106
10	lime	116
3	shale	119
21	lime	140 shells
38	shale	178 redbed
20	lime	198
76	shale	274
22	lime	296
24	shale	320 redbed
7	lime	327
41	shale	368
1	lime	369
16	shale	385
9	lime	394
2	shale	396
12	lime	408
10	shale	418
22	lime	440
5	shale	445
3	lime	448
4	shale	452
6	lime	458 hertha
122	shale	580
10	sand	590 no oil
45	shale	635
8	lime	643
7	shale	650
5	lime	655
9	shale	664 coal
6	lime	670
14	shale	684
4	lime	688
14	shale	702
4	lime	706
22	shale	728

Franklin County, KS
Well:McCoy 9W
Lease Owner: TDR

TDR Construction, Inc.
(913) 710-5400

Commenced Spudding:
08/15/2019

1	lime	729
5	shale	734
2	sand	736 no oil
3	sand	739 broken-slight oil show
14	sand	753 broken-good oil show
87	sandy shale	840 TD

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh
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 - RPMxd over SPMxR
d - SPMxRxD over RPM
SPM - RPMXD over RxD
R - RPMXD over SPMxD

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

*** Need these to figure belt length**

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

746 WATTS equal 1 HP

7W on map

Log Book

Well No. 9W

Farm McCoy

KS (State) Franklin (County)

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

For TDR Construction (Well Owner)

TDR CONSTRUCTION, INC.
PO Box 339
Louisburg, KS 66053
913-710-5400

McCoy Farm: Franklin County

KS State; Well No. 9W

Elevation 1039

Commenced Spuding 8-15 20 19

Finished Drilling 9-3 20 19

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Jake Sloan

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TDR

32 15 21

(Section) (Township) (Range)

Distance from _____ line, _____ ft.

Distance from _____ line, _____ ft.

6 Sacks 2 7/8 casing

9 hrs

5 5/8 borehole

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
6¼" Set	31	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
800		Bottle			
632		Float		2	7/8
640		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-44	soil-clay	44	
28	Shale	72	
7	Lime	79	
3	Shale	82	
16	Lime	98	
8	Shale	106	
10	Lime	116	
3	Shale	119	
21	Lime	140	shells
38	Shale	178	redbed
20	Lime	198	
76	Shale	274	
22	Lime	296	
24	Shale	320	redbed
7	Lime	327	
41	Shale	368	
1	Lime	369	
16	Shale	385	
9	Lime	394	
2	Shale	396	
12	Lime	408	
10	Shale	418	
22	Lime	440	
5	Shale	445	
3	Lime	448	
4	Shale	452	
6	Lime	458	Hertha

456

Thickness of Strata	Formation	Total Depth	Remarks
122	Shale	580	
10	Sand	590	no Oil
45	Shale	635	
8	Lime	643	
7	Shale	650	
5	Lime	655	
9	Shale	664	coal
6	Lime	670	
14	Shale	684	
4	Lime	688	
14	Shale	702	
4	Lime	706	
22	Shale	728	
1	Lime	729	
5	Shale	734	
2	Sand	736	no Oil
3	Sand	739	broken - slight Oil Show
14	Sand	753	broken - good Oil Show
87	Sandy Shale	840	TD

7W

TDR Construction Company
PO Box 339
Louisburg, KS 66053

Ticket Number_____
Location_____
Foreman_____

Field Ticket & Treatment Report

Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
9-3-19		McCoy 9W	32	15	21	FR

Customer	Mailing Address
	City / State / Zip Code

Job Type Long String Hole Size 5 5/8 Hole Depth 840 Casing Size & Weight 2 7/8
Casing Depth 832 Drill Pipe_____ Tubing_____ Other_____
Displacement_____ Displacement PSI_____ Mix PSI_____ Rate_____

Remarks Rig up, circulate well, pump class A cement

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		1000
		Cement Truck		500
		Water Truck		500
Class A	128	Cement	16	2048
		Gel		
		Plug		45
			Sales Tax	
			Estimated Total	4093

Authorization [signature] Title_____ Date_____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.