Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1207815

Form ACO-1
August 2013
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 + 0339
Contact Person: Lance Town
Phone: (913) 837-8400
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

5/9/2014	5/14/2014	5/14/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26643-00-00
Spot Description:
SW NW SE NE Sec. 32 Twp. 15 S. R. 21 ☑ East ☐ West
3505 Feet from ☐ North / ☑ South Line of Section
1240 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 #: 9
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1040 Kelly Bushing: 0
Total Vertical Depth: 940 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: 21 w/ 3 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 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: 07/01/2014
☑ **Confidential Release Date:** 06/30/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/07/2014

[redacted] 1207815

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

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	☐ Log	Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☐ Yes	☑ No	Name	Top Datum
Cores Taken	☐ Yes	☑ No	GammaRay	
Electric Log Run	☑ Yes	☐ No		

List All E. Logs Run:

GammaRay/Neutron/CCL

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	7	10	21	Portland	3	50/50 POZ
Completion	5.6250	2.8750	8	824	Portland	130	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	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
3	742-752	2" DML RTG	10

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 5/14/2014

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: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	TDR Construction, Inc.
Well Name	McCoy 9
Doc ID	1207815

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	7	10	21	Portland	3	50/50 POZ
Completion	5.6250	2.8750	8	824	Portland	130	50/50 POZ

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

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
05/09/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil-clay	40
38	shale	78
7	lime	85
1	shale	86
19	lime	105
5	shale	110
10	lime	120
6	shale	126
19	lime	145
39	shale	184
20	lime	204
74	shale	278
23	lime	301
24	shale	325
6	lime	331
42	shale	373
2	lime	375
15	shale	390
8	lime	398
3	shale	401
12	lime	413
9	shale	422
23	lime	445
4	shale	449
3	lime	452
4	shale	456
6	lime	462
17	shale	489
13	sand	502
8	shale	510
40	sand and sandy shale	550
34	shale	584
9	sand	593
45	shale	638
7	lime	645
23	shale	668
7	lime	675
13	shale	688
3	lime	691
15	shale	706

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

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
05/09/2014

3	lime	709
14	shale	723
1	lime	724
16	shale	740
1	sand	741
1	lime	742
1	sand	743
7	sand	750
2	sand	752
5	sandy shale	757
87	shale	840
2	lime	842
48	shale	890
6	sand	896
44	shale	940-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

Log Book

Well No. 9

Farm McCoy

KS (State) Franklin (County)

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

For TDR (Well Owner)

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

McCoy Farm: Franklin County

KS State; Well No. 9

Elevation 1040

Commenced Spuding 05/04 20 14

Finished Drilling _____ 20 ____

Driller's Name Greg Perry

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Kenny Gumm

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

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

Distance from S line, 3505 ft.

Distance from E line, 1240 ft.

3 bags of cement

CASING AND TUBING RECORD

10" Set		10" Pulled	
~~7~~ 8" Set	21'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
793'		Baffle		2 7/8"	
824'		Total			

Thickness of Strata	Formation	Total Depth	Remarks
0-40	Soil-Clay	40	
38	Shale	78	
7	Lime	85	
1	Shale	86	
19	Lime	105	
5	Shale	110	
10	Lime	120	
6	Shale	126	
19	Lime	145	
39	Shale	184	
20	Lime	204	
74	Shale	278	
23	Lime	301	
24	Shale	325	
6	Lime	331	
42	Shale	373	
2	Lime	375	
15	Shale	390	
8	Lime	398	
3	Shale	401	
12	Lime	413	
9	Shale	422	
23	Lime	445	
4	Shale	449	
3	Lime	452	
4	Shale	456	
6	Lime	462	Hertha

462

Thickness of Strata	Formation	Total Depth	Remarks
17	Shale	489	
13	Sand	502	No Oil
8	Shale	510	
40	Sand & Sandy Shale	550	No Oil
34	Shale	584	
9	Sand	593	No Oil
45	Shale	638	
7	Lime	645	
23	Shale	668	
7	Lime	675	
13	Shale	688	
3	Lime	691	
15	Shale	706	
3	Lime	709	
14	Shale	723	
1	Lime	724	
16	Shale	740	
1	Sand	741	Broken - Good Saturation
1	Lime	742	
1	Sand	743	Broken - Good Saturation
7	Sand	750	Solid - Good Saturation
2	Sand	752	Broken - Poor Saturation
5	Sandy Shale	757	
87	Shale	840	
2	Lime	842	
48	Shale	890	
6	Sand	896	No Oil

896

Thickness of Strata	Formation	Total Depth	Remarks
44	Shale	940	TD

Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053
913-837-8400

Ticket Number_____
Location_____
Foreman Lance Town

Field Ticket & Treatment Report

Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
5-14-14		McCoy #9	32	15	21	Franklin

Customer	Mailing Address		
TDI2 Cont. Inc			
	City	State	Zip Code

Job Type Long String Hole Size 5 5/8 Hole Depth 840 Casing Size & Weight 2 7/8

Casing Depth 824 Drill Pipe_____ Tubing_____ Other_____

Displacement 4.6 Displacement PSI 300 Mix PSI 100 Rate 4 BPM

Remarks Rigged up, Established Rate down Casing, mixed & pumped 120# gel followed by 100% Cement Circulated Cement Flushed Pump & Pumped Plug.

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	130	Cement	8.5	1105
	2	Gel	15	30
	1	Plug	25	25
			Sales Tax	
			Estimated Total	2260

Authorization_____ Title_____ Date 5-14-14

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.