Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1208244

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 #:

5/23/2014	5/27/2014	5/27/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26623-00-00
Spot Description:
NE - SW - SE - NE Sec. 32 Twp. 15 S. R. 21 ☑ East ☐ West
3135 Feet from ☐ North / ☑ South Line of Section
865 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 #: 6
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1045 Kelly Bushing: 0
Total Vertical Depth: 840 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 6 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/ 6 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: 07/02/2014
☑ **Confidential Release Date:** 07/01/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/07/2014

1208244

Operator Name: TDR Construction, Inc. Lease Name: McCoy Well #: 6

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

List All E. Logs Run:

GammaRay/Neutron/CCL

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

Name	Top	Datum
GammaRay		

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	815	Portland	160	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	744-757	2" DML RTG	13

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

Date of First, Resumed Production, SWD or ENHR. 5/27/2014

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 6
Doc ID	1208244

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	815	Portland	160	50/50 POZ

Franklin County, KS
Well:McCoy 6
Lease Owner:TDR

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

Commenced Spudding:
05/23/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-43	soil-clay	43
35	shale	78
5	lime	83
2	shale	85
17	lime	102
7	shale	109
10	lime	119
6	shale	125
17	lime	142
42	shale	184
19	lime	203
75	shale	278
22	lime	300
24	shale	324
8	lime	331
41	shale	372
2	lime	374
15	shale	389
8	lime	397
4	shale	401
12	lime	413
12	shale	425
20	lime	445
4	shale	449
3	lime	452
4	shale	456
6	lime	462
29	shale	491
5	sand	196
18	shale	514
39	sand	553
37	shale	590
9	sand	599
44	shale	643
8	lime	651
38	shale	689
3	lime	642
15	shale	707
1	lime	708
24	shale	732

Franklin County, KS
Well:McCoy 6
Lease Owner:TDR

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

Commenced Spudding:
05/23/2014

1		lime	733
5		shale	738
2		sand	740
4		lime	749
13		sand	757
37		sandy shale	794
46		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

Log Book

Well No. 6

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. 6

Elevation 1045

Commenced Spuding 05/23 20 14

Finished Drilling 05/27 20 14

Driller's Name Craig Perry

Driller's Name

Driller's Name

Tool Dresser's Name Kenny Gunn

Tool Dresser's Name Wes Dollard

Tool Dresser's Name

Contractor's Name TOS

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

Distance from S line, 3135 ft.

Distance from E line, 865 ft.

6 bags of Cement

CASING AND TUBING RECORD

10" Set		10" Pulled	
8 5/8" Set	22	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
756	55	Bailed			
815	70	Total		4½"	

Thickness of Strata	Formation	Total Depth	Remarks
0-43	Soil-Clay	43	
35	Shale	78	
5	Lime	83	
2	Shale	85	
17	Lime	102	
7	Shale	109	
10	Lime	119	
6	Shale	125	
17	Lime	142	
42	Shale	184	
19	Lime	203	
75	Shale	278	
22	Lime	300	
24	Shale	324	
8	Lime	331	
41	Shale	372	
2	Lime	374	
15	Shale	389	
8	Lime	397	
4	Shale	401	
12	Lime	413	
12	Shale	425	
20	Lime	445	
4	Shale	449	
3	Lime	452	
4	Shale	456	
6	Lime	462	Herthe

463

Thickness of Strata	Formation	Total Depth	Remarks
29	Shale	491	
5	Sand	496	No Oil
18	Shale	514	
39	Sand	553	No Oil
37	Shale	590	
9	Sand	599	No Oil
44	Shale	643	
8	Lime	651	
38	Shale	689	
3	Lime	692	
15	Shale	707	
1	Lime	708	
24	Shale	732	
1	Lime	733	
5	Shale	738	
2	Sand	740	Broken - Good Saturation
4	Lime	744	
13	Sand	757	Broken - Good Saturation
37	Sandy Shale	794	
46	Shale	840	TD

Town Oilfield Service

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

Ticket Number_____
Location_____
Foreman_____

Field Ticket & Treatment Report

Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
5-27-14		McCoy 6	32	15	21	Franklin

Customer	Mailing Address		
TDR Const. Inc.			
	City	State	Zip Code

Job Type long string Hole Size 6 3/4 Hole Depth 840 Casing Size & Weight 4 1/2

Casing Depth 815 Drill Pipe_____ Tubing_____ Other_____

Displacement 12.38 Displacement PSI 400 Mix PSI 20 Rate 5 bpm

Remarks Rigged up. Established Rate down Casing. mixed & pumped 120# gel followed by 160 sac's of 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
	160	Cement	8.5	1360
	2	Gel	15	30
	1	Plug	45	45
			Sales Tax	
			Estimated Total	2535

Authorization Dan Title_____ Date 5-27-14

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.