KOLAR Document ID: 1388611

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 + 0339
Contact Person: Lance Town
Phone: (913) 710-5400
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NA
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 #:

2/8/2018 Spud Date or Recompletion Date
2/13/2018 Date Reached TD
2/13/2018 Completion Date or Recompletion Date

API No.: 15-059-27164-00-00
Spot Description:
_ - SW - SE - SE Sec. 32 Twp. 15 S. R. 21 ☑ East ☐ West
330 Feet from ☐ North / ☑ South Line of Section
990 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: SOUTH BECKMEYER Well #: I-60
Field Name: Paola Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1021 Kelly Bushing: 1021
Total Vertical Depth: 721 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: w/ sx cmt.

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

Chloride content: 1500 ppm Fluid volume: 60 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:** 03/21/2018

Operator Name: TDR Construction, Inc. Lease Name: SOUTH BECKMEYER Well #: I-60

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:

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

Name	Top	Datum
NA	NA	NA

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	12.250	8.625	10	21	Common	6	50/50 POZ
Production	6.750	2.875	8	707	Common	90	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)*	701	721

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)*

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	SOUTH BECKMEYER I-60
Doc ID	1388611

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	12.250	8.625	10	21	Common	6	50/50 POZ
Production	6.750	2.875	8	707	Common	90	50/50 POZ

Franklin County, KS
Well:S. Beckmeyer I-60
Lease Owner: TDR

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
2/8/18

WELL LOG

Thickness of Strata	Formation	Total Depth
0-34	Soil-Clay	34
4	Lime	38
4	Shale	42
15	Lime	57
6	Shale	63
11	Lime	74
7	Shale	81
17	Lime	98
44	Shale	142
22	Lime	164
71	Shale	235
22	Lime	257
27	Shale	284
6	Lime	290
21	Shale	311
2	Lime	313
19	Shale	332
1	Lime	333
15	Shale	348
25	Lime	373
8	Shale	381
21	Lime	402
4	Shale	406
5	Lime	411
2	Shale	413
7	Lime	420
122	Shale	542
8	Sand	550
46	Shale	596
8	Lime	604
4	Shale	608
4	Lime	612
2	Shale	614
3	Lime	617
26	Shale	643
4	Lime	647
13	Shale	660
7	Lime	667
12	Shale	679
2	Lime	681

Franklin County, KS
Well:S. Beckmeyer I-60
Lease Owner: TDR

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
2/8/18

5	Shale	686
3	Lime	689
4	Shale	693
4	Sandy Shale	697
3	Sand	700
1	Sand	701
20	Core	721-TD

Core		
		701
2	Sand	703
1	Sandy Lime	704
6	Sand	710
11	Shale	721

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. I-60

Farm South Beckmeyer

KS (State) Franklin (County)

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

For TDR Construction (Well Owner)

15-059-27164

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

South Beckwith Farm: Franklin County
KS State; Well No. I-60
Elevation 1021
Commenced Spuding 2-8 20 18
Finished Drilling 2-13 20 18
Driller's Name Wesley Dollard
Driller's Name Ryan Ward
Driller's Name
Tool Dresser's Name
Tool Dresser's Name
Tool Dresser's Name
Contractor's Name TOS
32 15 21
(Section) (Township) (Range)
Distance from S line, 330 ft.
Distance from E line, 990 ft.
6 sacks 1 core
10 hrs
6 3/4 borehole
2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
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.
704	Seat nipple				
open hole completion					
Seat nipple on bottom of casing					
rag packer at top of core slot					

Thickness of Strata	Formation	Total Depth	Remarks
0-34	Soil-clay	34	
4	Lime	38	
4	Shale	42	
15	Lime	57	
6	Shale	63	
11	Lime	74	
7	Shale	81	
17	Lime	98	shells
44	Shale	142	
22	Lime	164	
71	Shale	235	
22	Lime	257	
27	Shale	284	
6	Lime	290	
21	Shale	311	redbed
2	Lime	313	
19	Shale	332	
1	Lime	333	
15	Shale	348	
25	Lime	373	
5	Shale	378	
21	Lime	402	
4	Shale	406	
5	Lime	411	
2	Shale	413	
7	Lime	420	Hertha
122	Shale	542	

542

Thickness of Strata	Formation	Total Depth	Remarks
6	Sand	550	broken - gmd 0.1 Show
46	Shale	596	
8	Lime	604	
4	Shale	608	
4	Lime	612	
2	Shale	614	
3	Lime	617	
26	Shale	643	
4	Lime	647	
13	Shale	660	
7	Lime	667	
12	Shale	679	
2	Lime	681	
5	Shale	686	
3	Lime	689	
4	Shale	693	
4	Sandy Shale	697	
3	Sand	700	no 0.1
1	Sand	701	broken 0.1
20	Core	721	TD - page 6

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
		701	
2	Sand	703	broken - good 0.1 Slow
1	Sandy Lime	704	no Oil
6	Sand	710	broken - good Saturation
11	Shale	721	

Town Oilfield Service

PO Box 339 Louisburg, KS 66053
913-294-2125

Ticket # _____
Location _____
Foreman _____

Field Ticket & Treatment Report
Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
2-13-18	S. Beckmeyer	I-60	32	15	21	FR

Customer	Mailing Address
	City State Zip Code

Job Type long string Hole Size 6 3/4 Hole Depth 721 Casing Size & Weight 2 7/8

Casing Depth 707 Drill Pipe _____ Tubing _____ Other _____

Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks _____

Quantity or Units	Description of Service or Product	Unit Price	Total
	Pump Charge		700
	Cement Truck		250
	Water Truck		125
90	Cement	10	900
	Gel		
	Plug		25
	Estimated Total:		2000

Authorization _____ Title _____ Date _____