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 Beckemeyer 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

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

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" 5/8 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	red bed
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	Heitha
122	Shale	542	

542

Thickness of Strata	Formation	Total Depth	Remarks
8	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 Show
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. Beckmayer 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 _____