

Franklin County, KS
Well: Beckmeyer 12A
Lease Owner: TDR

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

Commenced Spudding:
8/7/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-35	Soil-Clay	35
23	Shale	58
6	Lime	64
4	Shale	68
16	Lime	84
7	Shale	91
10	Lime	101
6	Shale	107
5	Lime	112
15	Shells	127
18	Shale	145
22	Sandy Shale	167
20	Lime	187
74	Shale	261
23	Lime	284
20	Shale	304
9	Lime	313
21	Shale	334
2	Lime	336
20	Shale	356
2	Lime	358
15	Shale	373
8	Lime	381
3	Shale	384
13	Lime	397
9	Shale	406
23	Lime	429
3	Shale	432
4	Lime	436
5	Shale	441
6	Lime	447
124	Shale	571
6	Sand	577
46	Shale	623
7	Lime	630
42	Shale	672
4	Lime	676
14	Shale	690
5	Lime	695
26	Shale	721

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals $D^2 \times 14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals $BPH \times PSI \times .0004$

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 - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. 12A

Farm Beckmeyer

KS Franklin
(State) (County)

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

For TDR Construction
(Well Owner)

15-059-27149

**Town Oilfield
Services, Inc.**

1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Backlog Farm: Franklin County
KS State; Well No. 12A

Elevation 1016

Commenced Spuding Aug 7 2017

Finished Drilling Aug 9 2017

Driller's Name Wesley Dollard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

32 15 21

(Section) (Township) (Range)

Distance from S line, 2119 ft.

Distance from E line, 2135 ft.

4 sacks

11 hrs

6 3/4 borehole

4 1/2 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8"~~7 1/2~~ Set 21 8" Pulled _____

6 1/4" Set _____ 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
<u>786</u>		<u>Baffle</u>			
<u>820.3</u>		<u>Float</u>			
<u>840 TD</u>				<u>4 1/2</u>	

Thickness of Strata	Formation	Total Depth	Remarks
0-35	soil - clay	35	
23	shale	58	
6	lime	64	
4	shale	68	
16	lime	84	
7	shale	91	
10	lime	101	
6	shale	107	
5	lime	112	
15	shells	127	
18	shale	145	redbed
22	sandy shale	167	
20	lime	187	
74	shale	261	
23	lime	284	
20	shale	304	
9	lime	313	
21	shale	334	
2	lime	336	
20	shale	356	
2	lime	358	
15	shale	373	
8	lime	381	
3	shale	384	
13	lime	397	
9	shale	406	
23	lime	429	

429

Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	432	
4	Lime	436	
5	Shale	441	
6	Lime	447	Heather
124	Shale	571	
6	Sand	577	broken - good oil show
46	Shale	623	
7	Lime	630	
42	Shale	672	
4	Lime	676	
14	Shale	690	
5	Lime	695	
26	Shale	721	
1	Lime	722	
9	Shale	731	
1	Sand	732	broken - not much oil
14	Sand	746	broken - good oil show
14	sandy shale	760	TOP 8' best saturation
80	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
8-9-17		Beckmeyer 12A	32	15	21	FR
Customer			Mailing Address			
			City	State	Zip Code	

Job Type long string Hole Size 6 3/4 Hole Depth 840 Casing Size & Weight 4 1/2
 Casing Depth 820 Drill Pipe _____ Tubing _____ Other _____
 Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks _____

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		250
	148	Cement	10	1400
		Gel		
		Plug		42
			Sales Tax	
Estimated Total				2642

Authorization  Title _____ Date 8-9-17

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.