

Franklin County, KS  
Well:Harris # 4  
Lease Owner: TTT

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

Commenced Spudding:  
6/5/2014

15-059-26422-22-00

WELL LOG

Thickness of Strata	Formation	Total Depth
0-49	Soil-Clay	49
6	Lime	55
2	Shale	57
16	Lime	73
8	Shale	81
10	Lime	91
6	Shale	97
19	Lime	116
47	Shale	163
23	Lime	186
71	Shale	257
25	Lime	282
20	Shale	302
8	Lime	310
23	Shale	333
1	Lime	334
19	Shale	353
1	Lime	354
16	Shale	370
7	Lime	377
2	Shale	379
14	Lime	393
13	Shale	406
20	Lime	426
4	Shale	430
4	Lime	434
3	Shale	437
6	Lime	443
83	Shale	526
8	Sandy Shale	534
33	Shale	567
9	Sand	576
47	Shale	623
6	Lime	629
13	Shale	642
1	Lime	643
5	Shale	648
7	Lime	655
13	Shale	668
3	Lime	692



# 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 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 -  $RPM \times d$  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. 4

Farm Harris

KS Franklin  
(State) (County)

5 16 21  
(Section) (Township) (Range)

For Triple T  
(Well Owner)

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
0-49	Soil-clay	49	
6	Lime	55	
2	Shale	57	
16	Lime	73	
8	Shale	81	
10	Lime	91	
6	Shale	97	
19	Lime	116	
47	Shale	163	
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# 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
6-9-14	TTT	Harris #4	5	16	21	FR
Customer		Mailing Address				
		City	State	Zip Code		

Job Type long string Hole Size 5 5/8 Hole Depth 820 Casing Size & Weight 2 7/8  
 Casing Depth 807 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 4.6 Displacement PSI 800 Mix PSI 200 Rate 4 BPM

Remarks Big up, Established Rate down casing. Mixed & pumped  
100% cement. Circulate cement flushed pump & pumped pipe.

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	124	Cement	8.5	1054
		Gel		
		Plug		25
			Sales Tax	
Estimated Total				2179

Authorization  Title \_\_\_\_\_ Date 6-19-14

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.