

Franklin County, KS
 Well: Duffy 34
 Lease Owner: TDR Construction

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

Commenced Spudding:
 6-22-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 21	Soil - Clay	21
41	Shale	62
26	Lime	88
8	Shale	96
10	Lime	106
5	Shale	111
20	Lime	131
39	Shale	170
23	Lime	193
72	Shale	265
23	Lime	288
17	Shale	305
12	Lime	317
26	Shale	343
3	Lime	346
17	Shale	363
4	Lime	367
13	Shale	380
25	Lime	405
8	Shale	413
22	Lime	435
3	Shale	438
6	Lime	444
3	Shale	447
5	Lime	452
126	Shale	578
8	Sand	580
45	Shale	631
6	Lime	637
4	Shale	641
7	Lime	648
30	Shale	678
5	Lime	683
3	Shale	686
	Pilot Hole	689 TD

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. 34

Farm Duffy

KS Franklin
(State) (County)

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

For TDR
(Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-21	Soil / Clay	21	
41	Shale	62	clay
26	Lime	88	
8	Shale	96	
10	Lime	106	
5	Shale	111	
20	Lime	131	
39	Shale	170	
23	Lime	193	
72	Shale	265	
23	Lime	288	
17	Shale	305	
12	Lime	317	
26	Shale	343	
3	Lime	346	
17	Shale	363	
4	Lime	367	
13	Shale	380	
25	Lime	405	
8	Shale	413	
22	Lime	435	
3	Shale	438	
6	Lime	444	
3	Shale	447	
5	Lime	452	Hertha
126	Shale	578	
8	Sand	586	OH

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
7-29-15		Duffy #34	32	15	21	FR
Customer			Mailing Address			
			City	State	Zip Code	

Job Type Plug Hole Size 6 3/4 Hole Depth 229 Casing Size & Weight _____
 Casing Depth _____ Drill Pipe _____ Tubing _____ Other _____
 Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks Plugged from Bottom to top

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	120	Cement	8	1440
		Gel		
		Plug		
			Sales Tax	
Estimated Total				2540

Authorization [Signature] Title _____ Date _____

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.