

Franklin County, KS
 Well: Dempsay Fam. Trus 11
 Lease Owner: Town Oil Co.

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

Commenced Spudding:
 8-3-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 5	Soil	5
5	Rock / Lime	10
97	Shale	107
17	Lime	124
17	Shale	141
3	Lime	144
11	Shale	155
5	Lime	160
35	Shale	195
17	Lime	212
9	Shale	221
29	Lime	250
9	Shale	259
21	Lime	280
5	Shale	285
4	Lime	289
1	Shale	290
6	Hertha	296
139	Shale	435
5	Lime	440
13	Shale	453
12	Lime	465
47	Shale	512
4	Lime	516
11	Shale	527
3	Lime	530
18	Shale	548
9	Lime	557
4	Limey Sand	561
5	Shale	566
2	Sand	568
2	Sandy Shale	570
2	Shale	572
1	Sand	573
61	Shale	634
8	Sand	642
42	Shale	684
1	Sandy Shale	685
33	Shale	718

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times h \times 14$
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 - $\text{RPM} \times d$ over $\text{SPM} \times R$

d - $\text{SPM} \times R \times D$ over RPM

SPM - $\text{RPM} \times D$ over $R \times d$

R - $\text{RPM} \times D$ over $\text{SPM} \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. ~~00000~~ 11

Farm Dempsey Family Trus

KS Franklin
(State) (County)

29 17 21
(Section) (Township) (Range)

For TOC
(Well Owner)

Town Oilfield Services, Inc.

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

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0-5	Soil	5	
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