

Franklin County, KS
Well: Dempsay Fam.Trus19
Lease Owner: Town Oil Co.

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

Commenced Spudding:
7-30-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 4	Soil	4
2	Rock	6
4	Clay	10
24	Shale	34
18	Lime	52
93	Shale	145
19	Lime	164
26	Shale	190
5	Lime	195
37	Shale	232
11	Lime	243
3	Shale	249
4	Lime	250
9	Shale	259
29	Lime	288
9	Shale	297
20	Lime	317
4	Shale	321
4	Lime	325
1	Shale	329
7	Hertha	333
18	Shale	351
4	Sandy Shale	355
133	Shale	488
5	Lime	493
2	Shale	495
7	Lime	502
44	Shale	546
6	Lime	552
12	Shale	564
4	Lime	568
25	Shale	593
5	Lime	598
5	Shale	603
7	Lime	610
61	Shale	671
6	Sand	677
44	Shale	721
1	Sand	722
48	Shale	770

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 $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. 19

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

Thickness of Strata	Formation	Total Depth	Remarks
0-4	Soil	4	
2	Rock	6	
4	Clay	10	Water
24	Shale	34	
18	Lime	52	
23	Shale	145	Lime streaks
19	Lime	164	
26	Shale	190	
5	Lime	195	
37	Shale	232	
11	Lime	243	
3	Shale	246	
4	Lime	250	
9	Shale	259	
29	Lime	288	
9	Shale	297	
20	Lime	317	
4	Shale	321	
4	Lime	325	
1	Shale	326	
7	Hertha	333	
18	Shale	351	
4	Sandy Shale	355	Grey
133	Shale	488	
5	Lime	493	
2	Shale	495	
7	Lime	502	

