

Johnson County, KS  
Well: Meyer I-19  
Lease Owner: D Z

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

Commenced Spudding:  
11/4/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
16	Soil-Clay	16
21	Shale	37
4	Lime	41
9	Shale	50
15	Lime	65
10	Shale	75
8	Lime	83
8	Shale	91
21	Lime	112
15	Shale	127
20	Lime	147
10	Shale	157
56	Lime	213
18	Shale	231
8	Lime	239
21	Shale	260
7	Lime	267
3	Shale	270
10	Lime	280
33	Shale	313
1	Lime	314
12	Shale	326
28	Lime	354
6	Shale	360
21	Lime	381
4	Shale	385
4	Lime	389
6	Shale	395
8	Lime	403
110	Shale	513
12	Grey Sand	525
12	Sandy Shale	537
37	Shale	574
4	Lime	578
14	Shale	592
6	Lime	598
18	Shale	616
2	Lime	618
128	Shale	746
3	Broken Sand	749



# 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. I-19

Farm Meyer

KS Johnson  
 (State) (County)

28 14 22  
 (Section) (Township) (Range)

For D & Z Exploration  
 (Well Owner)

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
16	soil & clay	16	
21	shale	37	
4	lime	41	
9	shale	50	
15	lime	65	
10	shale	75	
8	lime	83	
8	shale	91	
21	lime	112	
15	shale	127	
20	lime	147	
10	shale	157	
56	lime	213	
18	shale	231	
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33	shale	313	
1	lime	314	
12	shale	326	
28	lime	354	
6	shale	360	
21	lime	381	
4	shale	385	
4	lime	389	

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Thickness of Strata	Formation	Total Depth	Remarks
6	shale	395	
9	lime	403	Herthia
110	shale	513	
12	grey sand	525	no oil
12	sandy shale/shale	537	
37	shale	574	
4	lime	578	
14	shale	592	
6	lime	598	
18	shale	616	
2	lime	618	
128	shale	746	
3	broken sand	749	lite color no show
4	grey sand	753	no oil
7	sandy shale	760	
102	shale	862	
4	broken sand	866	lite color 70% white sand 30% broken sand
8	oil sand	874	very good bleed great saturation
1	broken sand	875	lite bleed ok saturation
5	sandy shale	880	
80	shale	960	TD