



Franklin County, KS  
 Well: McCoy 1  
 Lease Owner: TDR

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

Commenced Spudding:  
 05/07/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-4	soil	4
25	clay	29
22	shale	51
5	lime	56
2	shale	58
16	lime	74
8	shale	82
10	lime	92
6	shale	98
18	lime	116
60	shale	176
17	lime	193
7	shale	200
5	sand	205
66	shale	271
22	lime	293
26	shale	319
6	lime	325
42	shale	367
2	lime	369
15	shale	354
8	lime	392
1	shale	393
14	lime	407
11	shale	418
20	lime	438
5	shale	443
3	lime	446
4	shale	450
6	lime	456
26	shale	482
10	sand	492
10	shale	502
34	sandy sand	536
13	sand	549
38	shale	587
5	sand	592
54	shale	646
10	lime	656
7	shale	663



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 14xh$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

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. 1

Farm McCoy

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
04	Soil	4	
25	Clay	29	
22	Shale	51	
5	Lime	56	
2	Shale	58	
16	Lime	74	
8	Shale	82	
10	Lime	92	
6	Shale	98	
18	Lime	116	
60	Shale	176	
17	Lime	193	
7	Shale	200	
5	Sand	205	No Oil
66	Shale	271	
22	Lime	293	
26	Shale	319	
6	Lime	325	
42	Shale	367	
2	Lime	369	
15	Shale	384	
8	Lime	392	
1	Shale	393	
14	Lime	407	
11	Shale	418	
20	Lime	438	
5	shale	443	

443

Thickness of Strata	Formation	Total Depth	Remarks
3	Lime	446	
4	Shale	450	
6	Lime	456	Hertha
26	Shale	482	
10	Sand	492	No Oil
10	Shale	502	
34	Sandy Sand	536	
13	Sand	549	No Oil
38	Shale	587	
5	Sand	592	No Oil
54	Shale	646	
10	Lime	656	
7	Shale	663	
6	Lime	669	
14	Shale	683	
3	Lime	686	
13	Shale	699	
6	Lime	705	
21	Shale	724	
2	Lime	726	
8	Shale	734	
1	Sand	737	No Oil
3	Sand	738	Broken - Good Saturation
4	Sand	742	Solid - Good Saturation
8	Sand	750	Broken - Good Saturation
2	Sand	752	No Oil
26	Sandy Shale	778	

