

Johnson County, KS
 Well: Thomas B 12
 Lease Owner: ST Petroleum

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

Commenced Spudding:
 10/03/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
10	soil/clay	10
9	sandstone	19
3	shale	22
2	lime	25
89	shale	114
21	lime	135
7	shale	142
9	lime	151
7	shale	158
18	lime	176
5	shale	181
7	sand	188
5	lime	193
8	sand & sandy shale	201
25	lime	226
39	sandy shale & shale	265
2	lime	267
6	shale	273
23	lime	296
14	shale	310
8	lime	318
19	shale	337
8	lime	345
6	shale	351
5	lime	356
43	shale	399
26	lime	425
8	shale	433
23	lime	456
3	shale	459
4	lime	463
4	shale	467
5	lime	472
4	shale	476
7	sandy shale	483
92	shale	575
7	sand	582
4	sandy shale	586
50	shale	636
3	lime	639

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. 12

Farm Thomas B

KS Johnson
(State) (County)

31 14 22
(Section) (Township) (Range)

For ST Petroleum
(Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
10	soil / clay	10	
9	sandstone	19	
3	shale	22	
2	Lime	25	
89	shale	114	
21	Lime	135	
7	shale	142	
9	Lime	151	Dark
7	shale	158	
18	Lime	176	
5	shale	181	
7	sand	188	
5	Lime	193	grey, no oil
8	sand & sandy shale	201	
25	Lime	226	
39	sandy shale & shale	265	
2	Lime	267	
6	shale	273	
23	Lime	296	
14	shale	310	
8	Lime	318	
19	shale	337	
8	Lime	345	
6	shale	351	
5	Lime	356	
43	shale	399	
26	Lime	425	water

Thickness of Strata	Formation	Total Depth	Remarks
8	shale	433	
23	Lime	456	
3	shale	459	
4	Lime	463	
4	shale	467	
5	Lime	472	
4	shale	476	Monthe
7	sandy shale	483	
92	shale	575	
7	sand	582	
4	sandy shale	586	no oil
50	shale	636	
3	Lime	639	
3	shale	642	
2	Lime	644	
10	shale	654	
7	Lime	661	
6	sand	667	
3	sandy shale	670	odor, little show
6	shale	676	
3	Lime	679	
2	oocal	681	
7	shale	688	
7	Lime + shale	695	
27	shale	722	
3	Lime	725	705' red bed
9	shale	734	

734

Thickness of Strata	Formation	Total Depth	Remarks
6	sand	740	gray, no oil
5	sandy shale	745	
49	shale	794	
11	sand	805	no oil, Broken
12	sandy shale	817	
10	shale	827	
3	Lime	830	
	shale	857	
1	sand	858	odor, 2% - 10% oil Broken
1	sand	859	80% ok bleeding
2	Broken sand	861	5% - 10% oil
1	Broken sand	862	20% oil
5	sandy shale	867	
3	shale	870	
4	sand	874	no oil
3	sandy shale	877	
17	shale	894	
2	sand	896	no oil
6	sand/shale	902	
1	Broken sand	903	2% oil, odor
1	Broken sand	904	10% - 15% oil
1	sand	905	85% - 90% oil, ok bleeding
1	Broken sand	906	25% oil
1	sand	907	2% oil
5	sand	912	50% - 60%
7	Broken sand	919	no oil
7	sandy shale	926	

