

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 - RPMxd over SPMxR

d - SPMxRxd over RPM

SPM - RPMXD over RxD

R - RPMXD over SPMxD

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. W-580

Farm North Wildenhous

KS Franklin
(State) (County)

29 15 21
(Section) (Township) (Range)

For IDR construction
(Well Owner)

**Town Oilfield
Services, Inc.**
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-19	soil - clay	19	
59	Shale	78	
6	lime	84	
3	Shale	87	
17	lime	104	
8	Shale	112	
11	lime	123	
2	Shale	125	
22	lime	147	
35	Shale	182	
21	lime	203	
81	Shale	284	
41	lime	325	
2	Shale	327	
2	lime	329	
15	Shale	344	
10	lime	354	
1	Shale	355	
13	lime	368	
8	Shale	376	
22	lime	398	
2	Shale	400	
5	lime	405	
3	Shale	408	
5	lime	413	
5	lime	418	
117	Shale	535	Heitha
12	Shale	547	
	Sand	584	

gas odor - slight oil show

Thickness of Strata	Formation	Total Depth	Remarks
		584	
34	Shale	618	
8	Sand	626	no oil
4	Shale	630	
7	Lime	637	
10	Shale	647	
3	Lime	650	
7	Shale	657	
5	Lime	662	
15	Shale	677	
5	Lime	682	
15	Shale	697	
1	Lime	698	
2	Shale	700	
2	Lime	702	
18	Shale	720	
1	Lime	721	
7	Shale	728	
1	Sand	729	no oil
5	Sand	734	broken - good Oil Show
8	Sand	742	solid - good saturation
4	Sand	746	broken - good Oil Show
94	Shale	840	TD

Franklin County, KS
 Well: Moldenhauer#W-80
 Lease Owner: TDR

TDR Construction, INC. Commenced Spudding: 10/16/19
 (913) 710-5400

WELL LOG

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0-19	soil-clay	19
59	shale	78
6	lime	84
3	shale	87
17	lime	104
8	shale	112
11	lime	123
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22	lime	147
35	shale	182
21	lime	203
81	shale	284
41	lime	325
41	shale	366
2	lime	368
15	shale	383
10	lime	393
1	shale	394
13	lime	407
8	shale	415
22	lime	437
5	shale	442
5	lime	447
3	shale	450
5	lime	455 Hertha
117	shale	572
12	sand	584 gas odor-slight oil show
34	shale	618
8	sand	626 no oil
4	shale	630
7	lime	637
10	shale	647
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