

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 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

WATTS = AMPS

TO FIGURE AMPS:

VOLTS

746 WATTS equal 1 HP

Log Book

Well No. 22A

Farm North Mendenhall

KS
(State) Franklin
(County)

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

For IDR construction
(Well Owner)

15-059-27232

**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	
51	Shale	70	
5	Lime	75	
3	Shale	78	
18	Lime	96	
8	Shale	104	
10	Lime	114	
3	Shale	117	
22	Lime	139	
36	Shale	175	shells
22	Lime	197	
79	Shale	276	
41	Lime	317	
20	Shale	337	
2	Lime	339	
18	Shale	357	
3	Lime	360	
15	Shale	375	
10	Lime	385	
2	Shale	387	
14	Lime	401	
10	Shale	411	
21	Lime	432	
3	Shale	435	
3	Lime	438	
5	Shale	443	
5	Lime	448	H+H ₂ O

448

Thickness of Strata	Formation	Total Depth	Remarks
121	Shale	569	
11	Sand	580	gas odor - slight oil show
34	Shale	614	
6	Sand	620	
3	Shale	623	grey - no O.I.
7	lime	630	
12	Shale	642	
2	lime	644	
6	Shale	650	
6	lime	656	
15	Shale	671	
4	lime	675	
14	Shale	689	
2	lime	691	
1	Shale	692	
1	lime	693	
15	Shale	708	
1	lime	709	
10	Shale	719	
2	sandy shale	721	
3	sand	724	broken - good saturation
10	sand	734	solid - good saturation
8	sand	742	broken - good saturation
76	Shale	820	TD

Franklin County, KS
 Well: Moldenhauer #22A
 Lease Owner: TDR

TDR Construction, INC Commenced Spudding: 10/14/19
 (913) 710-5400

WELL LOG

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5	shale	443
5	lime	448 Hertha
121	shale	569
11	sand	580 gas odor-slight oil show
34	shale	614
6	sand	620 grey-no oil
3	shale	623
7	lime	630
12	shale	642
2	lime	644
6	shale	650
6	lime	656
15	shale	671
4	lime	675
14	shale	689
2	lime	691

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1	shale	692
1	lime	693
15	shale	708
1	lime	709
10	shale	719
2	sandy shale	721
3	sand	724 broken-good saturation
10	sand	734 solid-good saturation
8	sand	742 broken-good saturation
78	shale	820 TD