



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 1.4xh$

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:      WATTS = AMPS  
                                 VOLTS

746 WATTS equal 1 HP

# Log Book

Well No. 25

Farm North Moldenhaur

KS  
(State) Franklin  
(County)

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

For TDR construction  
(Well Owner)

15-059-27233

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

North

Nobbenhart Farm: Franklin County

KS State: Well No. 25

Elevation 1016 10-17 20 19

Commenced Spuding 10-17 20 19

Finished Drilling 10-17 20 19

Driller's Name Wesley Dolland

Driller's Name

Driller's Name Drake Williams

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name TDR

Contractor's Name 29 15 21

(Section) (Township) (Range)

Distance from S line, 358 ft.

Distance from E line, 3900 ft.

4 sacks

9 hrs

5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

RECORD

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
198		Ball			
830		Float		2 7/8	
840		TB			

- 10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_
- 8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_
- 6 1/4" Set 21 6 1/4" Pulled \_\_\_\_\_
- 4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_
- 2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

Thickness of Strata	Formation	Total Depth	Remarks
6-23	soil-clay	23	
64	shale	87	
25	lime	112	
8	shale	120	
10	lime	130	
4	shale	134	
21	lime	155	
34	shale	189	
22	lime	211	
79	shale	290	
41	lime	331	
41	shale	372	
2	lime	374	
15	shale	389	
8	lime	397	
3	shale	400	
13	lime	413	
10	shale	423	
21	lime	444	
4	shale	448	
4	lime	452	
4	shale	456	
6	lime	462	Heating
118	shale	580	
11	sand	591	
46	shale	637	gas odor - slight oil stain
7	lime	644	

644

Thickness of Strata	Formation	Total Depth	Remarks
20	Shale	664	
5	Lime	669	
15	Shale	684	
3	Lime	687	
11	Shale	698	
8	Lime	706	
1	Shale	707	
1	Lime	708	
20	Shale	734	
1	Sand	735	no oil
2	Sand	737	broken - good oil show
10	Sand	747	solid - good saturation
4	Sand	751	broken - good oil show
1	Sand	752	no oil
88	Shale	840	TD

Franklin County, KS  
 Well: Moldenhauer #25  
 Lease Owner: TDR

TDR Construction, INC  
 (913) 710-5400

Commenced Spudding: 10/17/19

WELL LOG

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26	shale	734
1	sand	735 no oil
2	sand	737 broken-good oil show
10	sand	747 solid-good saturation
4	sand	751 broken-good oil show
1	sand	752 no oil
88	shale	840 TD