

Franklin County, KS  
 Well: Dempsay Family Tru. 321  
 Lease Owner: Town Oil Co.

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

Commenced Spudding:  
 7-31-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 4	Soil	4
7	Lime	11
98	Shale	109
19	Lime	128
15	Shale	143
1	Lime	144
6	Shale	150
11	Lime	161
36	Shale	197
18	Lime	215
10	Shale	225
28	Lime	253
8	Shale	261
20	Lime	281
6	Shale	287
4	Lime	291
2	Shale	293
5	Hertha	298
27	Shale	325
3	Sandy Shale	328
127	Shale	455
6	Lime	461
3	Shale	464
7	Lime	471
42	Shale	512
6	Lime	518
10	Shale	528
6	Lime	534
33	Shale	557
5	Lime	562
2	Sandy Lime	564
5	Shale	569
2	Sandy Shale	571
58	Shale	627
9	Sandy Shale	636
2	Shale	638
8	Sand	646
79	Shale	725
15	Sand	740 TD

# 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. 21

Farm Pumpkin Family Trust

KS

(State)

Franklin

(County)

29

(Section)

17

(Township)

21

(Range)

For TOC

(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053

913-710-5400

DFT Farm: Franklin County

VS State: Well No. 21

Elevation 969

Commenced Spuding 7-31 20 15

Finished Drilling 20

Driller's Name Jeff Town

Driller's Name Cole Holcom

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

29 07 21

(Section) (Township) (Range)

Distance from S line, ft.

Distance from E line, ft.

3 sacks

CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_
8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_
6 1/2" Set 20' 6 1/2" Pulled \_\_\_\_\_
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_
2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

CASING AND TUBING MEASUREMENTS

Table with 6 columns: Feet, In., Feet, In., Feet, In. Handwritten entries include '620 to Baffle' and '553 Total'.

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