

Leavenworth County, KS  
Well: Breshears 17-5  
Lease Owner: TOC

Town Oilfield Service, Inc.  
(913) 294-2125

Commenced Spudding:  
12/11/2017

WELL LOG

Thickness of Strata	Formation	Total Depth
0-22	Soil-Clay	22
25	Shale	47
5	Lime	52
8	Sand	60
2	Shale	62
15	Lime	77
7	Shale	84
6	Lime	90
15	Shale	105
32	Lime	137
8	Sand	145
28	Lime	173
3	Shale	176
39	Lime	215
18	Shale	233
5	Lime	238
4	Shale	242
2	Lime	244
15	Shale	259
13	Lime	272
16	Shale	288
18	Lime	306
3	Shale	309
30	Lime	339
7	Shale	346
24	Lime	370
3	Shale	373
5	Lime	378
3	Shale	381
10	Lime	391
7	Shale	398
13	Sand	411
5	Shale	416
4	Sand	420
9	Sandy Shale	429
5	Shale	434
21	Sand	455
42	Shale	497
17	Sand	514
21	Shale	535



# 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. 17-5

Farm Birshew's

KS Louisburg  
 (State) (County)

16 12 21  
 (Section) (Township) (Range)

For Town of Louisburg  
 (Well Owner)

15-103-21456

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
0-	Soil - clay	22	Sandy clay - water
25	Shale	47	
5	Lime	52	
8	Sand	60	grey - no sil
2	Shale	62	
15	Lime	77	
7	Shale	84	
6	Lime	90	
15	Shale	105	
32	Lime	137	swells
8	Sand	145	grey - no sil
28	Lime	173	
3	Shale	176	
39	Lime	215	
18	Shale	233	
5	Lime	238	
4	Shale	242	
2	Lime	244	
15	Shale	259	colored
13	Lime	272	
16	Shale	288	
15	Lime	303	
3	Shale	309	
30	Lime	339	
7	Shale	346	
24	Lime	370	
3	Shale	373	

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Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	373	
3	Shale	381	
10	Lime	391	Heather
7	Shale	398	
13	Sand	411	gray - no 51
5	Shale	416	
4	Sand	420	gray - no 51
9	sandy shale	429	
5	Shale	434	
21	sand	455	gray - no 51
42	shale	497	
17	sand	514	bedded - good 51 show
21	shale	535	red bed
4	Lime	539	
17	Shale	556	
5	Lime	561	
4	Shale	565	
3	Lime	568	
9	Shale	577	
10	Lime	587	
14	Shale	601	
3	Lime	604	
6	Shale	610	
3	Lime	613	
2	Shale	615	
3	Lime	618	
13	Shale	631	



# Town Oilfield Service

PO Box 339 Louisburg, KS 66053  
913-294-2125

Ticket # \_\_\_\_\_  
Location \_\_\_\_\_  
Foreman \_\_\_\_\_

## Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
12-14-17		Breshears 17-5	16	12	21	LV
Customer <u>Lester Town</u>		Mailing Address				
<u>Town Oil Co.</u>						
			City	State	Zip Code	

Job Type long string Hole Size 5 5/8 Hole Depth 740 Casing Size & Weight 2 7/8

Casing Depth 725 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_

Displacement \_\_\_\_\_ Displacement PSI \_\_\_\_\_ Mix PSI \_\_\_\_\_ Rate \_\_\_\_\_

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Quantity or Units	Description of Service or Product	Unit Price	Total
	Pump Charge		700
	Cement Truck		250
	Water Truck		2
<u>138</u>	Cement	<u>10.50</u>	<u>1449</u>
	Gel		
	Plug		25
Estimated Total:			<u>2424</u>

Authorization [Signature] Title \_\_\_\_\_ Date 12-14-17