

Leavenworth County, KS  
Well: Breshears 17-6  
Lease Owner: TOC

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

Commenced Spudding:  
8/17/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
14	Sand	23
27	Shale	50
12	Lime	62
3	Shale	65
14	Lime	79
7	Shale	86
5	Lime	91
16	Shale	107
32	Lime	139
12	Sand	151
23	Lime	174
3	Shale	177
39	Lime	216
19	Shale	235
4	Lime	239
4	Shale	243
2	Lime	245
15	Shale	260
12	Lime	272
17	Shale	289
29	Lime	318
3	Shale	321
20	Lime	341
6	Shale	347
24	Lime	371
4	Shale	375
6	Lime	381
4	Shale	385
9	Lime	394
11	Shale	405
6	Sand	411
86	Shale	497
18	Sand	515
21	Shale	536
3	Lime	539
17	Shale	556
5	Lime	561
5	Shale	566
3	Lime	569





# 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. 17-6

Farm Breshers

KS Leavenworth  
(State) (County)

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

For Town Oil Company  
(Well Owner)

15-103-21454

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
0-9	Soil-clay	9	
14	sand	23	no water
27	Shale	50	
12	Lime	62	sandy
3	Shale	65	
14	Lime	79	
7	Shale	86	
5	Lime	91	
16	Shale	107	
32	Lime	139	
12	sand	151	grey - no oil
23	Lime	174	
3	Shale	177	
39	Lime	216	
19	Shale	235	
4	Lime	239	
4	Shale	243	
2	Lime	245	
15	Shale	260	red bed
12	Lime	272	
17	Shale	289	
29	Lime	318	
3	Shale	321	
20	Lime	341	
6	Shale	347	
24	Lime	371	
4	Shale	375	

375

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	381	
4	Shale	385	
9	Lime	394	Mertha
11	Shale	405	
6	sand	411	grey - no oil
86	Shale	497	
18	sand	515	broken - good oil show
21	Shale	536	red bed
3	Lime	539	
17	Shale	556	
5	Lime	561	
5	Shale	566	
3	Lime	569	
8	Shale	577	
7	Lime	584	
17	Shale	601	
3	Lime	604	
6	Shale	610	
8	Lime	618	
13	Shale	631	red bed
2	Lime	633	
9	Shale	642	
6	Shale & Lime	648	
3	Shale	651	
1	Lime	652	
1	Shale	653	
1	sand	654	no show - odor

654

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
1	sand	655	broken - not much oil
4	sand	659	mostly solid - good saturation
1	sand	660	no oil
5	sand	665	mostly solid - good saturation
7	sandy shale	672	
		672	
18	sandy shale	690	
70	shale	760	TD



# Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053  
913-837-8400

Ticket Number \_\_\_\_\_  
Location \_\_\_\_\_  
Foreman \_\_\_\_\_

## Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
8-28-17		Breshears 17-6	16	12	21	LV
Customer Lester Town		Mailing Address				
		City	State	Zip Code		

Job Type Long String Hole Size 5 5/8 Hole Depth 760 Casing Size & Weight 2 7/8  
 Casing Depth 730 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement \_\_\_\_\_ Displacement PSI \_\_\_\_\_ Mix PSI \_\_\_\_\_ Rate \_\_\_\_\_

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

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total	
		Pump Charge		700	
		Cement Truck		250	
		Water Truck		0	
	108	Cement		1080	
		Gel			
		Plug		35	
			Sales Tax		
				Estimated Total	2065

Authorization [Signature] Title \_\_\_\_\_ Date \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.