

Leavenworth County, KS
Well: Breshears 17-3
Lease Owner: TOC

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

Commenced Spudding:
8/24/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-7	Soil-Clay	7
20	Sand	27
33	Shale	60
7	Lime	67
4	Shale	71
2	Lime	73
2	Shale	75
15	Lime	90
6	Shale	96
6	Lime	102
16	Shale	118
34	Lime	152
4	Sand	156
32	Lime	188
3	Lime	191
38	Shale	229
20	Lime	249
4	Shale	253
4	Lime	257
1	Shale	258
14	Lime	272
12	Shale	284
17	Lime	301
30	Shale	331
2	Lime	333
20	Shale	353
5	Lime	358
25	Shale	383
3	Lime	386
6	Shale	392
4	Lime	396
8	Shale	404
11	Lime	415
5	Shale	420
90	Shale	510
18	Sand	528
21	Shale	549
2	Lime	551
18	Shale	569
5	Lime	574

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 $BPH \times PSI \times .0004$

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. 17-3

Farm Breshears

KS Leavenworth
(State) (County)

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

For Town Oil Company
(Well Owner)

15-103-21453

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-7	soil - clay	7	
20	sand	27	water
33	Shale	60	
7	Lime	67	
4	Shale	71	
2	Lime	73	
2	Shale	75	
15	Lime	90	
6	Shale	96	
6	Lime	102	
16	Shale	118	
34	Lime	152	
4	sand	156	grey - no oil
32	Lime	188	
3	Shale	191	
38	Lime	229	
20	Shale	249	
4	Lime	253	
4	Shale	257	
1	Lime	258	
14	Shale	272	
12	Lime	284	
17	Shale	301	
30	Lime	331	
2	Shale	333	
20	Lime	353	
5	Shale	358	

358

Thickness of Strata	Formation	Total Depth	Remarks
25	Lime	383	
3	Shale	386	
6	Lime	392	
4	Shale	396	
8	Lime	404	Hertha
11	Shale	415	
5	sand	420	grey - no oil
90	Shale	510	
18	sand	528	broken - good oil show
21	shale	549	
2	Lime	551	
18	Shale	569	
5	Lime	574	
5	Shale	579	
3	Lime	582	
8	Shale	590	
8	Lime	598	
16	Shale	614	
2	Lime	616	
11	Shale	627	
4	Lime	631	
13	Shale	644	redbed
2	Lime	646	
9	Shale	654	
6	Shale & Lime	660	
3	Shale	663	
2	Lime	665	

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
5-28-17		Breshears 17-3	10	12	21	LV
Customer Lester Town		Mailing Address				
		City	State	Zip Code		

Job Type Long String Hole Size 5 5/8 Hole Depth 780 Casing Size & Weight 2 7/8
 Casing Depth 742 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	
	120	Cement	10	1200	
		Gel			
		Plug		35	
			Sales Tax		
				Estimated Total	2185

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.