

Leavenworth County, KS
Well: Breshears 17-1
Lease Owner: Town Oil

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

Commenced Spudding:
8/30/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
15	Sand	24
38	Shale	62
5	Lime	67
5	Shale	72
2	Lime	74
3	Shale	77
15	Lime	92
6	Shale	98
6	Lime	104
15	Shale	119
34	Lime	153
7	Shale	160
30	Lime	190
3	Shale	193
41	Lime	234
16	Shale	250
5	Lime	255
4	Shale	259
2	Lime	261
14	Shale	275
12	Lime	287
16	Shale	303
21	Lime	324
2	Shale	326
32	Lime	358
6	Shale	364
24	Lime	388
4	Shale	392
18	Lime	410
5	Shale	415
10	Sand	425
96	Shale	521
12	Sand	533
23	Shale	556
3	Lime	559
16	Shale	575
6	Lime	581
5	Shale	586
4	Lime	590

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. 17-1

Farm Breacheds

KS Leavenworth
(State) (County)

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

For Town Oil Company
(Well Owner)

15-103-21452

Town Oilfield Services, Inc.

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

Brashear's Farm: Leavenworth County

KS State; Well No. 17-1

Elevation 881

Commenced Spuding 8-30 20 17

Finished Drilling 9-8 20 17

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Drake Williams

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

16 12 21

(Section) S (Township) 1491 (Range) ft.

Distance from E line, 46 ft.

4 sacks

9 hrs

5 7/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

~~7~~ 7" Set 40 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
730	10	Ball	10		
761	85	Float			
780	TD		2 7/8		

Thickness of Strata	Formation	Total Depth	Remarks
0-9	Soil - clay	9	
15	sand	24	water
38	Shale	62	
5	Lime	67	
5	Shale	72	
2	Lime	74	
3	Shale	77	
15	Lime	92	
6	Shale	98	
6	Lime	104	
15	Shale	119	
34	Lime	153	
7	Shale	160	
30	Lime	190	
3	Shale	193	
41	Lime	234	
16	Shale	250	
5	Lime	255	
4	Shale	259	
2	Lime	261	
14	Shale	275	red bed
12	Lime	287	
16	Shale	303	
21	Lime	324	
2	Shale	326	
32	Lime	358	
6	Shale	364	

364

Thickness of Strata	Formation	Total Depth	Remarks
24	Lime	388	
4	Shale	392	
18	Lime	410	Heather
5	Shale	415	
10	sand	425	no oil
96	Shale	521	
12	sand	533	broken - good oil show
23	Shale	556	red bed
3	Lime	559	
16	Shale	575	
6	Lime	581	
5	Shale	586	
4	Lime	590	
6	Shale	596	
9	Lime	605	
17	Shale	622	
3	Lime	625	
6	Shale	631	
8	Lime	639	
13	Shale	652	
2	Lime	654	
7	Shale	661	
7	Shale & Lime	668	
6	Shale	674	
1	sandy shale	675	
1	sand	676	broken - not much oil
1	sandy Lime	677	no oil

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
9-8-17		Bresheers 17-1	16	12	21	LU
Customer			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 741 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		25
		Water Truck		0
	136	Cement		1360
		Gel		
		Plug		45
			Sales Tax	
Estimated Total				2355

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.