

Leavenworth County, KS
Well: Breshears 17-2
Lease Owner: Town Oil

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

Commenced Spudding:
8/14/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
10	Sand	25
37	Shale	62
4	Lime	66
11	Shale	77
14	Lime	91
6	Shale	97
6	Lime	103
16	Shale	119
31	Lime	150
6	Sand	156
31	Lime	187
3	Shale	190
39	Lime	229
19	Shale	248
4	Lime	252
4	Shale	256
2	Lime	258
15	Shale	273
13	Lime	286
15	Shale	301
12	Lime	313
1	Shale	314
1	Lime	315
2	Shale	317
14	Lime	331
4	Shells	335
19	Lime	354
5	Shale	359
24	Lime	383
3	Shale	386
6	Lime	392
3	Shale	395
10	Lime	405
6	Shale	411
10	Sand	421
9	Shale	430
8	Sand	438
10	Shale	448
22	Sandy Shale	470

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. 17-2

Farm Breshers

KS
(State)

Leavenworth
(County)

16
(Section)

12
(Township)

21
(Range)

For Town Oil Company
(Well Owner)

15-103-21451

Town Oilfield Services, Inc.

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

Breshears S Farm: Leavenworth County

KS State; Well No. 17-2

Elevation 891

Commenced Spuding 8-14 .20 '17

Finished Drilling 8-18 .20 '17

Driller's Name Wesley Dollard

Driller's Name Ryan Ward

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) (Township) (Range)

Distance from S line, 1491 ft.

Distance from E line, 466 ft.

5 sacks 2 7/8 casing

1 core

12 hrs

5 5/8 bore hole

CASING AND TUBING RECORD

- 10" Set _____ 10" Pulled _____
- 8" Set _____ 8" Pulled _____
- 6 1/2" Set 39 6 1/2" Pulled _____
- 4" Set _____ 4" Pulled _____
- 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
728.05		Baffle			
759.70		Float			
780		TID		2	7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-15	Soil-clay	15	
10	sand	25	water
37	Shale	62	
4	Lime	66	
11	Shale	77	
14	Lime	91	
6	Shale	97	
6	Lime	103	
16	Shale	119	
31	Lime	150	
6	sand	156	grey - no oil
31	Lime	187	
3	Shale	190	
39	Lime	229	
19	Shale	248	
4	Lime	252	
4	Shale	256	
2	Lime	258	
15	Shale	273	redbed
13	Lime	286	
15	Shale	301	
12	Lime	313	
1	Shale	314	
1	Lime	315	
2	Shale	317	
14	Lime	331	
4	Shells	335	

335

Thickness of Strata	Formation	Total Depth	Remarks
19	Lime	354	
5	Shale	359	
24	Lime	383	
3	Shale	386	
6	Lime	392	
3	Shale	395	
10	Lime	405	Halting
6	Shale	411	
10	sand	421	grey - no oil
9	shale	430	
8	sand	438	grey - no oil
10	Shale	448	
22	sandy shale	470	
40	shale	510	
7	sand	517	broken - slight oil show
3	shale	520	
10	sand & shale	530	broken - good oil show
19	shale	549	redbed
4	Lime	553	
17	Shale	570	
5	Lime	575	
5	Shale	580	
3	Lime	583	
9	Shale	592	
3	Lime	595	
20	Shale	615	
3	Lime	618	

618

Thickness of Strata	Formation	Total Depth	Remarks
6	Shale	624	
9	Lime	633	
13	Shale	646	red bed
1	Lime	647	
13	Shale	660	
6	Shale & Lime	666	
2	sandy shale	668	
20	Core	688	page 6
12	sandy shale	700	688
80	Shale	780	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
8-19-17		Breshears 17-2	16	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 1/2
 Casing Depth 759 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		500
		Cement Truck		250
		Water Truck		0
	128	Cement	10	1280
		Gel		
		Plug		25
			Sales Tax	
Estimated Total				2055

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.