

Leavenworth County, KS
Well: Breshears 17-8
Lease Owner: TOC

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

Commenced Spudding:
12/13/2017

WELL LOG

Thickness of Strata	Formation	Total Depth
0-21	Soil-Clay	24
13	Shale	37
6	Lime	43
8	Shale	51
16	Lime	67
6	Shale	73
6	Lime	79
16	Shale	95
32	Lime	127
9	Sand	136
25	Lime	161
2	Shale	163
38	Lime	201
20	Shale	221
5	Lime	226
3	Shale	229
2	Lime	231
14	Shale	245
13	Lime	258
17	Shale	275
19	Lime	294
2	Shale	296
31	Lime	327
7	Shale	334
23	Lime	357
3	Shale	360
7	Lime	367
3	Shale	373
9	Lime	379
7	Shale	386
14	Sand	400
4	Shale	404
12	Sandy Shale	416
4	Shale	420
20	Sand	440
44	Shale	484
17	Sand	502
21	Shale	522
3	Lime	525
18	Shale	543

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 Bush

KS Louisburg
(State) (County)

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

For Town Oil Company
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-21	silt-clay	21	silt + clay
13	Shale	37	
6	Lime	73	
8	Shale	51	
116	Lime	67	
6	Shale	73	
6	Lime	79	
116	Shale	95	
32	Lime	127	shells
9	Sand	136	grey ss 01
25	Lime	161	
2	Shale	163	
38	Lime	201	
20	Shale	221	
5	Lime	226	
3	Shale	229	
2	Lime	231	
14	Shale	245	red ss
13	Lime	258	
17	Shale	275	
14	Lime	291	
2	Shale	293	
31	Lime	327	
7	Shale	334	
23	Lime	357	
3	Shale	360	
7	Lime	367	

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Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	375	
4	Lime	379	Hard
7	Shale	386	
14	Sand	400	grey - no oil
4	Shale	404	
12	Sandy shale	416	
4	Shale	420	
20	Sand	440	grey - no oil
44	Shale	484	
17	Sand	501	broken - good oil show
21	Shale	522	red bed
3	Lime	525	
18	Shale	543	
5	Lime	548	
4	Shale	552	
4	Lime	556	
7	Shale	563	
7	Lime	570	
17	Shale	587	
3	Lime	590	
8	Shale	598	
10	Lime	608	
13	Shale	621	
1	Lime	622	
13	Shale	635	
1	Lime	636	
0	Shale	636	

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		Breashears 17-8	14	R12	21	LV
Customer		Mailing Address				
Lester Town						
Town Oil Co.						
City			State		Zip Code	

Job Type ^{10ms} 5 Pump Hole Size 5 5/8 Hole Depth 740 Casing Size & Weight 2 7/8
Casing Depth 727 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
138	Cement	10.50	1449
	Gel		
	Plug		25
Estimated Total:			2424

Authorization [Signature] Title _____ Date 12-14-17