

Franklin County, KS
Well: S. Fiehler # 27A
Lease Owner: R.T.

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

Commenced Spudding:
11/11/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-24	Soil-Clay	24
23	Lime	47
8	Shale	55
12	Lime	67
3	Shale	70
20	Lime	90
36	Shale	126
18	Lime	144
13	Sand	157
65	Shale	222
23	Lime	245
7	Shale	252
6	Sand	258
13	Shale	271
7	Lime	278
22	Shale	300
4	Lime	304
13	Shale	317
2	Lime	319
16	Shale	335
23	Lime	358
9	Shale	367
22	Lime	389
4	Shale	393
4	Lime	397
3	Shale	400
5	Lime	405
115	Shale	520
9	Sand	529
44	Shale	573
8	Lime	581
7	Shale	588
9	Lime	597
7	Coal-Slate	604
7	Lime	611
13	Shale	624
3	Lime	627
13	Shale	640
5	Lime	645
10	Shale	655

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 - $\text{RPM} \times d$ over $\text{SPM} \times R$

d - $\text{SPM} \times R \times D$ over RPM

SPM - $\text{RPM} \times D$ over $R \times D$

R - $\text{RPM} \times D$ over $\text{SPM} \times D$

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}} = \text{AMPS}$

746 WATTS equal 1 HP

Log Book

Well No. 27A

Farm South Fichter

KS Franklin
(State) (County)

8 16 21
(Section) (Township) (Range)

For R.T. Enterprises
(Well Owner)

15-059-27127

Town Oilfield Services, Inc.

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

South
Fichter Farm: Franklin County

KS State; Well No. 27A

Elevation 976

Commenced Spuding 11-11 20 16

Finished Drilling 11-14 20 16

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOB

8 16 21

(Section) (Township) (Range)

Distance from S line, 3475 ft.

Distance from E line, 3475 ft.

3 sacks
8 hrs
5 3/8 borehole
2 7/8 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 1/2" Set 20 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
711.10		Bell			
743.30		Float			
760	TID		2 7/8		

Thickness of Strata	Formation	Total Depth	Remarks
0-24	soil-clay	24	
23	Lime	47	
8	Shale	55	
12	Lime	67	
3	Shale	70	
20	Lime	90	
36	Shale	126	red bed
18	Lime	144	
13	Sand	157	no oil
65	Shale	222	
23	Lime	245	
7	Shale	252	
6	Sand	258	no oil
13	Shale	271	
7	Lime	278	
22	Shale	300	
4	Lime	304	
13	Shale	317	
2	Lime	319	
16	Shale	335	
23	Lime	358	
9	Shale	367	
22	Lime	389	
4	Shale	393	
4	Lime	397	
3	Shale	400	
5	Lime	405	Hertha

405

Thickness of Strata	Formation	Total Depth	Remarks
115	Shale	520	sandy
9	sand	529	no Oil
44	shale	573	
8	Lime	581	
7	Shale	588	
9	Lime	597	
7	coal-slate	604	
7	Lime	611	
13	Shale	624	
3	Lime	627	
13	Shale	640	
5	Lime	645	
10	Shale	655	
1	Lime	656	
6	Shale	662	
1	Lime	663	
4	shale	667	
4	sandy shale	671	no oil
4	sand	675	broken - good oil show
5	sandy	680	mostly solid - good saturation
4	sand	684	broken - good oil show
76	sandy shale	760	no oil - TD

Town Oilfield Service

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

Ticket Number _____
Location _____
Foreman _____

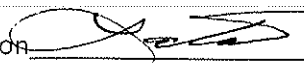
Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
11-14-16		South Fiehler 27A	8	16	21	FR
Customer			Mailing Address			
			City	State	Zip Code	

Job Type Long String Hole Size 5 5/8 Hole Depth 740 Casing Size & Weight 2 7/8
 Casing Depth 743 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		600
		Cement Truck		250
		Water Truck		150
	140	Cement	9	1240
		Gel		
		Plug		35
			Sales Tax	
Estimated Total				2295

Authorization  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.