

Johnson County, KS
Well: Thomas C 4-3
Lease Owner: ST Petroleum

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

Commenced Spudding:
4/30/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-19	Soil-Clay	19
30	Lime	49
7	Shale	56
9	Lime	65
8	Shale	73
15	Lime	88
12	Shale	100
7	Sand	107
76	Lime	183
28	Shale	211
8	Lime	219
21	Shale	240
19	Lime	259
33	Shale	292
2	Lime	294
9	Shale	303
28	Lime	331
6	Shale	337
22	Lime	359
5	Shale	364
3	Lime	367
7	Shale	374
5	Lime	379
172	Shale	551
4	Lime	555
1	Shale	556
3	Lime	559
5	Shale	564
6	Lime	570
18	Shale	588
3	Lime	591
6	Shale	597
9	Lime	606
80	Shale	686
2	Lime	688
53	Shale	741
3	Lime	744
39	Shale	783
3	Lime	786
46	Shale	832

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 1.4 \times h$
 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. 4-3

Farm Thomas C

KS Johnson
 (State) (County)

14 14 22
 (Section) (Township) (Range)

For ST Petroleum
 (Well Owner)

15-091-24488

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-19	soil-clay	19	
30	Lime	49	
7	Shale	56	
9	Lime	65	
8	Shale	73	
15	Lime	88	
12	Shale	100	
7	sand	107	red bed no oil
76	Lime	183	
28	Shale	211	
8	Lime	219	
21	Shale	240	
19	Lime	259	
33	Shale	292	
2	Lime	294	
9	Shale	303	
28	Lime	331	
6	Shale	337	
22	Lime	359	
5	Shale	364	
3	Lime	367	
7	Shale	374	
5	Lime	379	Hertha
172	Shale	551	
4	Lime	555	
1	Shale	556	
3	Lime	559	



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

TICKET NUMBER 53988

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/1/18	7532	Thomas C # 4-3	SW 14	14	22	JO
CUSTOMER ST Petroleum Inc.						
MAILING ADDRESS 18600 Sunflower Rd			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Edgerton			368	Ala Mad	✓	Safety Meeting
STATE KS			558	Gas Ken	✓	
ZIP CODE 66602			675	Har Bec	✓	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 960' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 942' DRILL PIPE _____ TUBING baffle - 910' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
 DISPLACEMENT 5.27 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100 # Gel followed by 5 bbls fresh water, mixed & pumped 125 sks Pozblend 1A cement w/ 2% gel & 1/4 # Floceal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.27 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE045D	1	PUMP CHARGE	1500.00	
LE0002	30 mi	MILEAGE	214.50	
CE0711	min	ton mileage	660.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2574.50	
		- 30%	772.35	
		subtotal		1802.16
CC5840	125 sks	Pozblend 1A cement	11687.50	
CC5965	310 #	Gel	93.00	
CC6075	31 #	Floceal	62.00	
CP8176	1	2 1/2" rubber	45.00	
		materials	1887.50	
		- 30%	566.25	
		Subtotal		1321.25
		7.975%		
		SALES TAX		105.37
		ESTIMATED TOTAL		3228.77
		TOTAL		(4612.53)

RAVIN 3737
 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.