

Johnson County, KS  
 Well: Thomas C 3-1  
 Lease Owner: ST Petroleum

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

Commenced Spudding:  
 5/3/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-18	Soil-Clay	18
17	Lime	35
6	Shale	41
9	Lime	50
9	Shale	59
14	Lime	73
13	Shale	86
6	Sand	92
75	Lime	167
32	Shale	199
9	Lime	208
19	Shale	227
8	Lime	235
3	Shale	238
13	Lime	251
30	Shale	281
1	Lime	282
9	Shale	291
25	Lime	316
9	Shale	325
22	Lime	347
4	Shale	351
3	Lime	354
7	Shale	361
6	Lime	367
173	Shale	540
4	Lime	544
4	Shale	548
3	Lime	551
5	Shale	556
6	Lime	562
19	Shale	581
3	Lime	584
8	Shale	592
11	Lime	603
133	Shale	736
2	Lime	738
89	Shale	827
10	Sand	837
83	Shale	920-TD

# 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. 3-1

Farm Thomas C

KS Johnson  
 (State) (County)

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

For ST Petroleum  
 (Well Owner)

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
0-18	soil-clay	18	
17	Lime	35	
6	Shale	41	
9	lime	50	
9	Shale	59	
14	Lime	73	
13	Shale	86	redbed
6	sand	92	no oil
75	Lime	167	113 - water
32	Shale	199	
9	Lime	208	
19	Shale	227	
8	Lime	235	
3	Shale	238	
13	Lime	251	
30	Shale	281	
1	Lime	282	
9	Shale	291	
25	Lime	316	
9	Shale	325	
22	Lime	347	
4	Shale	351	
3	Lime	354	
7	Shale	361	
6	Lime	367	Heatha
173	Shale	540	
4	Lime	544	





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

TICKET NUMBER 54008  
 LOCATION Attama, KS  
 FOREMAN Casoy Kennedy

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/8/18	7532	Thomas C # 3-1	SW14	14	22	JO
CUSTOMER ST Petroleum						
MAILING ADDRESS 18800 Sunflower Rd			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Edgerton			729	CarKen	✓ Safety Meeting	
STATE KS	ZIP CODE 66021			495	HarBec	✓
				558	AlaMad	✓
				675	KeiDiet	✓

JOB TYPE log string HOLE SIZE 5 5/8" HOLE DEPTH 920' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 899' DRILL PIPE \_\_\_\_\_ TUBING baffle - 568' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL. \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 302'  
 DISPLACEMENT 5.02 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 110 sls Pozblend IA cement w/ 2% gel + 4# Floerol per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.02 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	30 mi	MILEAGE	214.50	
CE0711	min	ten mileage	660.00	
WE0853	2 hrs	80 Vac	200.00	
		Trucks	2574.50	
		- 30%	772.35	
		subtotal		1802.15
CC5840	110 sls	Pozblend IA cement	1485.00	
CC5965	285 #	Gel	85.50	
CC6075	28 #	Floerol	56.00	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	11071.50	
		- 30%	501.45	
		subtotal		1170.05
		7.995%	SALES TAX	93.31
			ESTIMATED TOTAL	3065.51

Rev'n 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE (4379.30)

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.