

Johnson County, KS
Well: Thomas C 3-2
Lease Owner: ST Petroleum

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

Commenced Spudding:
5/2/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-12	Soil-Clay	12
28	Lime	40
7	Shale	47
9	Lime	56
8	Shale	64
15	Lime	79
13	Shale	92
6	Sand	98
76	Lime	174
30	Shale	204
9	Lime	213
18	Shale	231
7	Lime	238
3	Shale	241
9	Lime	250
35	Shale	285
1	Lime	286
9	Shale	295
25	Lime	320
8	Shale	328
23	Lime	351
4	Shale	355
3	Lime	358
6	Shale	364
8	Lime	372
173	Shale	545
5	Lime	550
2	Shale	552
4	Lime	556
5	Shale	561
7	Lime	568
17	Shale	585
3	Lime	588
6	Shale	594
12	Lime	606
93	Shale	699
2	Lime	701
37	Shale	738
3	Lime	741
89	Shale	830

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 - $RPM \times d$ 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. 3-2

Farm Thomas C

KS
(State)

Johnson
(County)

14
(Section)

14
(Township)

22
(Range)

For ST Petroleum
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thomas C Farm: Johnson County
KS State; Well No. 3-2
 Elevation 1037
 Commenced Spuding 5-2 .20 18
 Finished Drilling 5-3 .20 18
 Driller's Name Wesley Dollard
 Driller's Name Ryan Ward
 Driller's Name _____
 Tool Dresser's Name _____
 Tool Dresser's Name _____
 Tool Dresser's Name _____
 Contractor's Name TOS
14 14 22

(Section) (Township) (Range)
 Distance from S line, 1880 ft.
 Distance from E line, 4550 ft.

4 sacks
 a hrs
 5 7/8 borehole
 2 1/8 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 1/4" Set 21 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
879.7		3 1/2	1/2		
912.3		Floct		2 1/8	
920 TD					

Thickness of Strata	Formation	Total Depth	Remarks
0-12	Soil-clay	12	
28	Lime	40	
7	Shale	47	
9	Lime	56	
8	Shale	64	
15	Lime	79	
13	Shale	92	
6	Sand	98	red bed
76	Lime	174	no oil
30	Shale	204	
9	Lime	213	
18	Shale	231	
7	Lime	238	
3	Shale	241	
9	Lime	250	
35	Shale	285	
1	Lime	286	
9	Shale	295	
25	Lime	320	
8	Shale	328	
23	Lime	351	
4	Shale	355	
3	Lime	358	
6	Shale	364	
8	Lime	372	Hertha
173	Shale	545	
5	Lime	550	

550

Thickness of Strata	Formation	Total Depth	Remarks
2	Shale	552	
4	Lime	556	
5	Shale	561	
7	Lime	568	
17	Shale	585	
3	Lime	588	
6	Shale	594	
12	Lime	606	
93	Shale	699	
2	Lime	701	
37	Shale	738	
3	Lime	741	
89	Shale	830	
2	Limy sand	832	good bleed
6	sand	838	broken - good oil show
82	shale	920	TD



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-9878

10622
 10512

TICKET NUMBER 54007
 LOCATION Offawa, KS
 FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/7/18	7532	Thomas C # 3-2	SW14	14	22	Jo
CUSTOMER <u>ST Petroleum Inc.</u>			TRUCK #			
MAILING ADDRESS <u>15800 Sunflower Rd</u>			DRIVER			
CITY <u>Edgerton</u> STATE <u>KS</u> ZIP CODE <u>66021</u>			TRUCK #			
			DRIVER			
JOB TYPE <u>Logging</u>			TRUCK # <u>729</u> DRIVER <u>Caston</u> <input checked="" type="checkbox"/> <u>Safety/Loading</u>			
CASING DEPTH <u>912</u>			TRUCK # <u>495</u> DRIVER <u>Har Bar</u> <input checked="" type="checkbox"/>			
SLURRY WEIGHT			TRUCK # <u>503</u> DRIVER <u>Gerwik</u> <input checked="" type="checkbox"/>			
DISPLACEMENT <u>5.09 bbls</u>			TRUCK # <u>675</u> DRIVER <u>Kei Det</u> <input checked="" type="checkbox"/>			
HOLE SIZE <u>5 5/8"</u>			HOLE DEPTH <u>920'</u>			
DRILL PIPE			CASING SIZE & WEIGHT <u>2 7/8" EUG</u>			
WATER gal/sk			TUBING <u>baffle - 880'</u>			
CEMENT LEFT in CASING <u>32'</u>			OTHER			
RATE <u>4/10 per</u>						
REMARKS: <u>held safety meeting, established circulation, mixed & pumped 100 # Gel followed by 5 bbls fresh water, mixed & pumped 119 sks Pozblend 1A cement w/ 2% gel + 1/4 # Floseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.09 bbls fresh water, pressured to 800 PSI, released pressure to set float.</u>						

[Handwritten signature]

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	ton mileage	600.00	
INEORS3	2 hrs	80 Vac	200.00	
		trucks	2574.50	
		- 30%	772.35	
		subtotal		1802.15
CC5840	119 sks	Pozblend 1A cement	11606.50	
CC5965	300 #	Gel	90.00	
CC6075	30 #	Floseal	60.00	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1801.50	
		- 30%	540.45	
		subtotal		1261.05
		7.975%		100.57
		SALES TAX		100.57
		ESTIMATED TOTAL		3163.77
		TOTAL		4519.67

Rev'n 3737

AUTHORIZATION [Signature] TITLE _____ DATE 5/7/18

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.