

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

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

Commenced Spudding:
5/1/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-23	Soil-Clay	23
28	Lime	51
7	Shale	58
9	Lime	67
9	Shale	76
14	Lime	90
15	Shale	105
4	Sand	109
74	Lime	183
29	Shale	212
8	Lime	220
21	Shale	241
18	Lime	259
35	Shale	294
1	Lime	295
9	Shale	304
27	Lime	331
6	Shale	337
23	Lime	360
4	Shale	364
5	Lime	369
4	Shale	373
7	Lime	380
172	Shale	552
5	Lime	557
2	Shale	559
4	Lime	563
5	Shale	568
5	Lime	573
19	Shale	592
3	Lime	595
9	Shale	604
7	Lime	611
81	Shale	692
1	Lime	693
54	Shale	747
2	Lime	749
88	Shale	837
8	Sand	845
115	Shale	960-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 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. 3-3

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

Thomas C Farm: Johnson County
KS State; Well No. 3-3

Elevation _____
Commenced Spuding 5-1 .20 18
Finished Drilling 5-2 .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 _____ line, _____ ft.

Distance from _____ line, _____ ft.

4 sacks
4 h.s
5 5/8 borehole
2 7/8 casing

CASING AND TUBING
RECORD

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

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
910-		Baffle		2 7/8	
143.5		Floet			
960		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-23	soil - clay	23	
28	Lime	51	
7	Shale	58	
9	Lime	67	
9	Shale	76	
14	Lime	90	
15	Shale	105	redbed
4	sand	109	no Oil
74	Lime	183	135 - water
29	Shale	212	
8	Lime	220	
21	Shale	241	
18	Lime	259	
35	Shale	294	
1	Lime	295	
9	Shale	304	
27	Lime	331	
6	Shale	337	
23	Lime	360	
4	Shale	364	
5	Lime	369	
4	Shale	373	
7	Lime	380	Hertha
172	Shale	552	
5	Lime	557	
2	Shale	559	
4	Lime	563	

563

Thickness of Strata	Formation	Total Depth	Remarks
5	Shale	568	
5	Lime	573	
19	Shale	592	
3	Lime	595	
9	Shale	604	
7	Lime	611	
81	Shale	692	
1	Lime	693	
54	Shale	747	
2	Lime	749	
88	Shale	837	
8	sand	845	mostly solid - good oil show TD
15	shale	960	



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

10595 / 10485

TICKET NUMBER 53992
 LOCATION O'Hara, KS
 FOREMAN Care, Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/2/18	7532	Thomas C # 3-3	SW 14	14	22	JO
CUSTOMER ST Petroleum Inc			TRUCK #			
MAILING ADDRESS 18800 Sunflower Rd			DRIVER			
CITY Edgerton			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66021			TRUCK #			
			DRIVER			

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 9100' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 943' DRILL PIPE _____ TUBING baffle - 911' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/ek _____ CEMENT LEFT IN CASING 32'
 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 117 sbs Portland IA cement w/ 2 7/8 gel + 1/4 # Floeal 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
CE0450	1	PUMP CHARGE	1500.00	
CE0002	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		1802.15
CC5840	117 sbs	Portland IA cement	1579.50	
CC5965	297 #	Gel	89.10	
CC6075	29 #	Floeal	58.00	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1771.60	
		- 30%	531.48	
		Subtotal		1240.12
			7.975%	98.90
			SALES TAX	98.90
			ESTIMATED	3141.17
			TOTAL	(4487.39)

Revin 3737

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.