

Miami County, KS  
 Well: Ed Flake I-2  
 Lease Owner: Triple T

Town Oilfield Service, Inc.  
 (913) 837-8400

Commenced Spudding:  
 11/3/2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0-26	Soil-Clay	26
9	Shale	35
8	Lime	43
12	Shale	55
31	Lime	86
8	Shale	94
20	Lime	114
4	Shale	118
3	Lime	121
3	Shale	124
7	Lime	131
21	Shale	152
34	Sand	186
20	Sandy Shale	206
86	Shale	292
9	Sand	301
40	Shale	341
5	Lime	346
20	Shale	366
7	Lime	373
17	Shale	390
4	Lime	394
11	Shale	405
20	Lime	425
10	Shale	435
3	Lime	438
9	Shale	447
3	Lime	450
48	Shale	498
4	Sandy Shale	502
8	Sand	510
10	Sandy Shale	520
33	Shale	553
1	Lime	554
26	Shale	580-TD

API # 15-121-31165

# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 14xh$

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. I-2

Farm Ed Flake

KS Miami  
(State) (County)

9 18 24  
(Section) (Township) (Range)

For Triple T Oil  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-26	soil-clay	26	
9	Shale	35	
8	Lime	43	
12	Shale	55	
31	Lime	86	
8	Shale	94	
20	Lime	114	
4	Shale	118	
3	Lime	121	
3	Shale	124	
7	Lime	131	
21	Shale	152	Heather
34	sand	186	
20	sandy shale	206	152-162 slight show
86	Shale	292	
9	sand	301	no oil
40	Shale	341	
5	Lime	346	
20	Shale	366	
7	Lime	373	
17	Shale	390	
4	Lime	394	
11	Shale	405	
20	Lime	425	
10	Shale	435	
3	Lime	438	
9	Shale	447	





**CONSOLIDATED**  
Oil Well Services, LLC

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

4727  
41635

**Invoice #806319**

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

TICKET NUMBER 49894  
LOCATION Ottawa KS  
FOREMAN Fred Maden

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-4-15	7966	Ed Flake # I-2	S4 9	18	24	M
CUSTOMER			TRUCK #			
Triple T Oil			DRIVER			
MAILING ADDRESS			TRUCK #			
P.O. Box 339			DRIVER			
CITY			TRUCK #			
Louisburg			DRIVER			
STATE			TRUCK #			
KS			DRIVER			
ZIP CODE			TRUCK #			
66053			DRIVER			

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 580 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 569 DRILL PIPE B&H 10 TUBING 539 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 30' + Plug  
 DISPLACEMENT 3.1433 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPD

REMARKS: Hold safety meeting. Establish pump rate. Mix Pump 100# Gel  
 Flush. Mix pump 780 sks per blend IA Cement 290 gal. Cement  
 to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug  
 to baffle in casing. Pressure to 800# PSI. Monitor pressure for  
 30 minute MIT. Release pressure to set float valve. Shut in  
 casing.

TAS Drilling. (wes)

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	475	1500 <sup>00</sup>
CE 0002	—	MILEAGE		
CE 0711	1/3 Minimum	Ton Miles Delivery	548	220 <sup>00</sup>
WE 0853	1 hr	80 BBL Vac Truck	675	100 <sup>00</sup>
		Sub Total		1620 <sup>00</sup>
		less 46%		- 837 <sup>20</sup>
				982 <sup>80</sup>
CC 5840	78 sks	Por Blend IA Cement		1053 <sup>00</sup>
CC 5965	231#	Bentrite Gel		69 <sup>30</sup>
CP 8176	1	2 1/2" Rubber Plug		45 <sup>00</sup>
		Sub Total		1167 <sup>30</sup>
		less 46%		- 536 <sup>96</sup>
				630 <sup>34</sup>
			68	SALES TAX
				ESTIMATED
				TOTAL
				50 <sup>43</sup>
				1663 <sup>57</sup>
				3080 <sup>68</sup>

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