

Anderson County, KS  
 Well: Poss 47  
 Lease Owner: R.T. Enterprises

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

Commenced Spudding:  
 9-3-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
19	soil/clay	19
57	shale	76
30	lime	106
16	shale	122
3	lime	125
2	shale	127
2	lime	129
47	sjae	176
10	lime	186
8	sjae	194
358	lime	229
7	shale	236
21	lime	257
5	shale	262
15	lime	277
4	shale	281
2	lime	283
32	shale	315
4	sand	319
5	sandy shale	324
86	shale	410
6	sand	416
5	sandy shale	421
30	shale	451
3	lime	454
4	shale	458
10	lime	468
10	shale	478
3	lime	481
7	sandy shale	488
2	coal	490
7	sandy shale	497
7	sand	505
6	sandy shale	511
2	shale	513
2	coal	515
2	lime	517
2	shale	519
1	lime	520
58	shale	525



# 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. 47

Farm Poss

KS Anderson  
(State) (County)

11 20 20  
(Section) (Township) (Range)

For R.T Enterprises  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Pass Farm: Anderson County

KS State; Well No. 47

Elevation 949

Commenced Spuding 9-3 2013

Finished Drilling 9-4 2013

Driller's Name Quid Weaver

Driller's Name \_\_\_\_\_

Driller's Name \_\_\_\_\_

Tool Dresser's Name Brandon Stone

Tool Dresser's Name Cole Holman

Tool Dresser's Name \_\_\_\_\_

Contractor's Name TOS

11 20 20

(Section) (Township) (Range)

Distance from S line, 3165 ft.

Distance from E line, 4788 ft.

3-sacks

### CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

7 7/8" Set 20' 8" Pulled \_\_\_\_\_

6 1/4" Set \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2" Set 732<sup>as</sup> 2" Pulled \_\_\_\_\_

702.10 Baffle

740 TO


Thickness of Strata	Formation	Total Depth	Remarks
19	soil/clay	19	
57	shale	76	
30	Lime	106	
16	shale	122	water
3	Lime	125	
2	shale	127	
2	Lime	129	
47	shale	176	
10	Lime	186	
8	shale	194	
35	Lime	229	
7	shale	236	
21	Lime	257	
5	shale	262	
15	Lime	277	
4	shale	281	
2	Lime	283	
32	shale	315	Mertha
4	sand	319	
5	sandy shale	324	odour, little oil
86	shale	410	
6	sand	416	
5	sandy shale	421	little odour & oil
30	shale	451	
3	Lime	454	
4	shale	458	
10	Lime	468	

Thickness of Strata	Formation	Total Depth	Remarks
10	shale	478	
3	Lime	481	
7	sandy shale	488	
2	coal	490	
7	sandy shale	497	
7	sand	505	odor, little o.i
6	sandy shale	511	
2	shale	513	
2	coal	515	
2	Lime	517	
2	shale	519	
1	Lime	520	
5	shale	525	
2	Lime	527	
9	shale	536	
4	Lime	540	
22	shale	562	
11	Lime	573	
19	shale	592	with some lime seams
2	Lime	594	
2	shale	596	
2	coal	598	
6	shale	604	
5	Lime	609	
18	shale	627	
4	Broken sand	631	odor, no o.i
17	sand	648	odor, light Brown sand,

648

Thickness of Strata	Formation	Total Depth	Remarks
4	Broken sand	652	30% sand - 70% sandy shale
4	sand	656	light Brown sand**
4	sand	660	sand odor, Brown sand
6	Broken sand	666	70% sand - 30% shale
6	sand	672	sand odor, Brown oil sand*
2	sandy shale	674	with some Brown sand <del>30</del> sand
2	Lime	676	no oil
4	sandy shale	680	with oil, little show
5	sandy shale	685	
7	shale	692	
53	sandy shale	745	
4	sand	749	NO ODOOR, NO SATURATION
6	Sandy Shale	755	
5	sand	760	no oil, TD



**CONSOLIDATED**  
Oil Well Services, LLC

262085

TICKET NUMBER 42432

LOCATION Ottawa

FOREMAN Alan Maden

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-4-13	5954	Poas 247	NW 11	2D	2D	AN	
CUSTOMER <u>Ottawa</u>			TRUCK #	DRIVER	TRUCK #	DRIVER	
MAILING ADDRESS <u>120 Shoreline Dr</u>			516	Alan Maden			
CITY <u>Louisburg</u>			666	Gary Mad			
STATE <u>KS</u>			675	Kei Det			
ZIP CODE <u>66053</u>			500	Set Trac			
JOB TYPE	<u>long string</u>	HOLE SIZE	<u>5 7/8</u>	HOLE DEPTH	<u>760</u>	CASING SIZE & WEIGHT	<u>2 7/8</u>
CASING DEPTH	<u>732</u>	DRILL PIPE		TUBING		OTHER	<u>702 batta</u>
SLURRY WEIGHT		SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	<u>YES</u>
DISPLACEMENT	<u>4.1</u>	DISPLACEMENT PSI	<u>800</u>	MIX PSI	<u>200</u>	RATE	<u>4 bpm</u>
REMARKS: <u>Held meeting. Holed to casing. Established rate. Mixed &amp; pumped 100# gel followed by 86 sk 50/50 cement plus 270 gal. Circulated cement. Flushed pump. Pumped plug to batta. Well held 800 PSI. Set float. Closed valve.</u>							

705 Chad

*Alan Maden*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	866	1085.00
5406	25	MILEAGE	666	105.00
5402	732	casing footage	666	
5407	min	tan miles	570	368.00
5502L	2	80 w/c	675	180.00
1124	86	50/50 cement		989.00
1118B	244#	gel		5368
4402	1	2 1/2 plug		29.50
SALES TAX				82.03
ESTIMATED TOTAL				2892.20

Revin 3737

*NO COMPANY VEP  
Jim Oka*

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