

Miami County, KS  
 Well: Barkis T-1  
 Lease Owner: Triple T Oil

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

Commenced Spudding:  
 3-16-2015

WELL LOG

| Thickness of Strata | Formation   | Total Depth |
|---------------------|-------------|-------------|
| 0 - 4               | Soil - Clay | 4           |
| 10                  | Lime        | 14          |
| 19                  | Shale       | 33          |
| 7                   | Lime        | 40          |
| 13                  | Shale       | 53          |
| 68                  | Lime        | 121         |
| 22                  | Shale       | 143         |
| 12                  | Lime        | 155         |
| 10                  | Shale       | 165         |
| 13                  | Lime        | 178         |
| 19                  | Shale       | 197         |
| 3                   | Lime        | 200         |
| 40                  | Shale       | 240         |
| 10                  | Lime        | 250         |
| 15                  | Shale       | 265         |
| 25                  | Lime        | 290         |
| 8                   | Shale       | 298         |
| 21                  | Lime        | 319         |
| 3                   | Shale       | 322         |
| 4                   | Lime        | 326         |
| 3                   | Shale       | 329         |
| 10                  | Lime        | 339         |
| 38                  | Shale       | 377         |
| 6                   | Sand        | 383         |
| 11                  | Sand        | 394         |
| 76                  | Shale       | 420         |
| 4                   | Sand        | 474         |
| 4                   | Sandy Shale | 478         |
| 64                  | Shale       | 542         |
| 10                  | Lime        | 552         |
| 19                  | Shale       | 571         |
| 4                   | Lime        | 575         |
| 7                   | Shale       | 582         |
| 3                   | Lime        | 585         |
| 5                   | Shale       | 590         |
| 1                   | Lime        | 591         |
| 2                   | Shale       | 593         |
| 7                   | Lime        | 600         |
| 22                  | Shale       | 622         |
| 2                   | Lime        | 624         |



# 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. T-1

Farm Barkis

KS Miami  
(State) (County)

17 16 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   |
|---------------------|-----------|-------------|---|
| 0-4                 | soil-clay | 4           |   |
| 10                  | Lime      | 14          |   |
| 19                  | Shale     | 33          | red bed   |
| 7                   | sand      | 40          | no Oil  |
| 13                  | Lime      | 53          |   |
| 68                  | shale     | 121         |   |
| 22                  | Lime      | 143         |   |
| 12                  | shale     | 155         |   |
| 10                  | Lime      | 165         |   |
| 13                  | shale     | 178         | sandy   |
| 19                  | shale     | 197         |   |
| 3                   | Lime      | 200         |   |
| 40                  | shale     | 240         |   |
| 10                  | Lime      | 250         |   |
| 15                  | shale     | 265         |   |
| 25                  | Lime      | 290         |   |
| 8                   | shale     | 298         |   |
| 21                  | Lime      | 319         |   |
| 3                   | shale     | 322         |   |
| 4                   | Lime      | 326         |   |
| 3                   | shale     | 329         |   |
| 10                  | Lime      | 339         | Hertha  |
| 38                  | shale     | 377         |   |
| 6                   | sand      | 383         | great show - good saturation <sup>Solid</sup> Oil |
| 11                  | sand      | 394         | grey - no Oil                                     |
| 76                  | shale     | 470         |   |
| 4                   | sand      | 474         | no Oil  |

474

| Thickness of Strata | Formation   | Total Depth | Remarks            |
|---------------------|-------------|-------------|--------------------|
| 4                   | sandy shale | 478         |                    |
| 64                  | shale       | 542         |                    |
| 10                  | Lime        | 552         |                    |
| 19                  | shale       | 571         |                    |
| 4                   | Lime        | 575         |                    |
| 7                   | shale       | 582         |                    |
| 3                   | Lime        | 585         |                    |
| 5                   | shale       | 590         |                    |
| 1                   | Lime        | 591         |                    |
| 2                   | shale       | 593         |                    |
| 7                   | Lime        | 600         |                    |
| 22                  | Shale       | 622         |                    |
| 2                   | Lime        | 624         |                    |
| 53                  | Shale       | 677         |                    |
| 6                   | sand        | 683         | broken - good show |
| 26                  | sandy shale | 709         |                    |
| 127                 | shale       | 836         |                    |
| 4                   | sand        | 840         | no oil             |
| 60                  | Shale       | 900         | TD                 |
|                     |             |             |                    |
|                     |             |             |                    |
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|                     |             |             |                    |

# Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053  
913-837-8400

Ticket Number \_\_\_\_\_  
Location \_\_\_\_\_  
Foreman \_\_\_\_\_

## Field Ticket & Treatment Report Cement

| Date                 | Customer# | Well Name & Number | Section         | Township | Range    | County |
|----------------------|-----------|--------------------|-----------------|----------|----------|--------|
| 3-23-15              |           | Barkis T-1         | 17              | 14       | 24       | MI     |
| Customer<br>Triple T |           |                    | Mailing Address |          |          |        |
|                      |           |                    | City            | State    | Zip Code |        |

Job Type long string Hole Size 5 5/8 Hole Depth 1760 Casing Size & Weight 2 7/8  
 Casing Depth 737.70 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 4.4 Displacement PSI 250 Mix PSI 300 Rate 6 BPM

Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

| Account Code    | Quantity or Units | Description of Services or Product | Unit Price | Total |
|-----------------|-------------------|------------------------------------|------------|-------|
|                 |                   | Pump Charge                        |            | 700   |
|                 |                   | Cement Truck                       |            | 250   |
|                 |                   | Water Truck                        |            | 150   |
|                 | 104               | Cement                             | 8          | 832   |
|                 |                   | Gel                                |            |       |
|                 |                   | Plug                               |            | 25    |
|                 |                   |                                    | Sales Tax  |       |
| Estimated Total |                   |                                    |            | 1957  |

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.