

## DRILL LOG

Operator License # 34843

API # 15-15-121-29514-00-00

Operator Qin's Investment, LLC

Lease Name Qin

Address 4937 River Chase Drive  
Parkville, MO 64151

Well # 8

Contractor JTC Oil, Inc.

Spud Date 5/23/13 Cement 5/29/13

Contractor License 32834

Location \_\_\_\_\_ of \_\_\_\_\_

T.D. 840 T.D. of Pipe 818

\_\_\_\_\_ feet from \_\_\_\_\_

Surf. Pipe Size 7" Depth 20'

\_\_\_\_\_ feet from \_\_\_\_\_

Kind of Well Production

County Miami

| Thickness | Strata | From | To  | Thickness | Strata | From | To  |
|-----------|--------|------|-----|-----------|--------|------|-----|
| 10        | Dirt   | 0    | 10  | 18        | Lime   | 194  | 212 |
| 12        | Lime   | 10   | 22  | 33        | Shale  | 212  | 245 |
| 5         | Shale  | 22   | 27  | 7         | Lime   | 245  | 252 |
| 10        | Lime   | 27   | 37  | 36        | Shale  | 252  | 288 |
| 6         | Shale  | 37   | 43  | 2         | Lime   | 288  | 290 |
| 18        | Lime   | 43   | 61  | 14        | Shale  | 290  | 304 |
| 2         | Shale  | 61   | 63  | 8         | Lime   | 304  | 312 |
| 6         | Shale  | 63   | 69  | 6         | Mix    | 312  | 318 |
| 18        | Shale  | 69   | 87  | 13        | Lime   | 318  | 331 |
| 21        | Lime   | 87   | 108 | 8         | Shale  | 331  | 339 |
| 86        | Shale  | 108  | 194 | 22        | Lime   | 339  | 361 |

|     |                 |     |     |
|-----|-----------------|-----|-----|
| 5   | Shale           | 361 | 366 |
| 5   | Lime            | 366 | 371 |
| 3   | Shale           | 371 | 374 |
| 7   | Lime            | 374 | 381 |
| 144 | Shale           | 381 | 525 |
| 12  | Shale Mix       | 525 | 537 |
| 3   | No Oil Sand Mix | 537 | 540 |
| 3   | Lime            | 540 | 543 |
| 2   | Shale           | 543 | 545 |
| 8   | Lime            | 545 | 553 |
| 32  | Shale           | 553 | 585 |
| 7   | Lime            | 585 | 592 |
| 10  | Shale Mix       | 592 | 602 |
| 2   | Lime Oil        | 602 | 604 |
| 8   | Shale           | 604 | 612 |
| 17  | Lime            | 612 | 629 |
| 11  | Shale Mix       | 629 | 640 |
| 2   | Lime            | 640 | 642 |
| 8   | Shale           | 642 | 650 |
| 3   | Lime            | 650 | 653 |
| 4   | Shale           | 653 | 657 |
| 1   | Tiny Top Sand   | 657 | 658 |
| 2   | Tiny Top Sand   | 658 | 660 |
| 2   | OK              | 660 | 662 |
| 2   | Good            | 662 | 664 |
| 2   | Good            | 664 | 666 |
| 2   | Good            | 666 | 668 |

|    |        |         |     |
|----|--------|---------|-----|
| 2  | Little | 668     | 670 |
| 46 | Shale  | 670     | 716 |
| 5  | Lime   | 716     | 721 |
| 15 | Shale  | 721     | 736 |
| 5  | Lime   | 736     | 741 |
| 24 | Shale  | 741     | 765 |
| 2  | Sand   | 765-767 | OK  |
| 2  | Good   | 767     | 769 |
| 2  | Good   | 769     | 771 |
| 2  | Little | 771     | 773 |
| 2  | Good   | 773     | 775 |
| 2  | Tiny   | 775     | 777 |
| 63 | Shale  | 777     | 840 |

**CONSOLIDATED**  
**Oil Well Services, LLC**

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

259283

TICKET NUMBER 41897

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

| DATE                                | CUSTOMER # | WELL NAME & NUMBER  | SECTION            | TOWNSHIP | RANGE | COUNTY |
|-------------------------------------|------------|---------------------|--------------------|----------|-------|--------|
| 5/29/13                             | 4015       | Qin # 8             | E 1                | 110      | 21    | M1     |
| CUSTOMER<br>JTC Oil Inc.            |            |                     |                    |          |       |        |
| MAILING ADDRESS<br>35688 Flum Creek |            |                     |                    |          |       |        |
| CITY<br>Osawatomie                  |            | STATE<br>KS         | ZIP CODE<br>66064  |          |       |        |
| JOB TYPE<br>Logging                 |            | HOLE SIZE<br>5 7/8" | HOLE DEPTH<br>840' |          |       |        |

| TRUCK # | DRIVER   | TRUCK # | DRIVER |
|---------|----------|---------|--------|
| 481     | Casper   |         |        |
| 1066    | Gary Moo |         |        |
| 548     | Mik Hga  |         |        |
| 675     | Ken Del  |         |        |

|                               |                         |                        |                                        |
|-------------------------------|-------------------------|------------------------|----------------------------------------|
| JOB TYPE <u>Longstring</u>    | HOLE SIZE <u>5 7/8"</u> | HOLE DEPTH <u>840'</u> | CASING SIZE & WEIGHT <u>2 7/8" EUE</u> |
| CASING DEPTH <u>819</u>       | DRILL PIPE _____        | TUBING _____           | OTHER _____                            |
| SLURRY WEIGHT _____           | SLURRY VOL _____        | WATER gal/sk _____     | CEMENT LEFT In CASING _____            |
| DISPLACEMENT <u>4.74 bbls</u> | DISPLACEMENT PSI _____  | MIX PSI _____          | RATE <u>4.5 bpm</u>                    |
| REMARKS: <u>held off</u>      |                         |                        |                                        |

REMARKS: held safety meeting, established circulation, mixed + pumped 2000 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 120 sks 50% Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing ID w/ 4.74 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

[illegible]

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.