

Miami County, KS
Well:Green 6
Lease Owner:Honeywell

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

Commenced Spudding:
07/23/2014

WELL LOG

| Thickness of Strata | Formation | Total Depth |
|---------------------|----------------------|-------------|
| 0-17 | soil/clay | 17 |
| 44 | shale | 61 |
| 17 | lime | 78 |
| 14 | shale | 92 |
| 1 | lime | 93 |
| 22 | shale | 115 |
| 6 | lime | 121 |
| 30 | shale | 151 |
| 9 | lime | 160 |
| 16 | shale | 176 |
| 24 | lime | 202 |
| 8 | shale | 210 |
| 21 | lime | 231 |
| 4 | shale | 235 |
| 3 | lime | 238 |
| 5 | shale | 243 |
| 6 | lime | 249 |
| 6 | shale | 255 |
| 4 | sand | 259 |
| 23 | shale | 282 |
| 13 | sandy shale | 295 |
| 11 | sand | 306 |
| 4 | sandy shale | 310 |
| 50 | shale | 360 |
| 4 | sand | 364 |
| 8 | sandy shale | 372 |
| 25 | shale | 397 |
| 10 | shale and lime | 407 |
| 28 | shale | 435 |
| 9 | lime | 444 |
| 7 | shale | 451 |
| 7 | lime | 458 |
| 11 | shale | 469 |
| 7 | lime | 476 |
| 15 | shale | 491 |
| 4 | lime | 495 |
| 9 | shale | 504 |
| 3 | lime | 507 |
| 44 | shale | 551 |
| 3 | sand and sandy shale | 544 |

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. 6

Farm Green

KS

(State)

Miami

(County)

2

(Section)

17

(Township)

22

(Range)

For Honey Well
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|-------------|-------------|--------------------|
| 0-17 | Soil - Clay | 17 | |
| 44 | Shale | 61 | |
| 17 | Lime | 78 | |
| 14 | Shale | 92 | |
| 1 | Lime | 93 | |
| 22 | Shale | 115 | |
| 6 | Lime | 121 | |
| 30 | Shale | 151 | |
| 9 | Lime | 160 | |
| 16 | Shale | 176 | |
| 24 | Lime | 202 | |
| 8 | Shale | 210 | ↖ White sand-water |
| 21 | Lime | 231 | |
| 4 | Shale | 235 | |
| 3 | Lime | 238 | |
| 5 | Shale | 243 | |
| 6 | Lime | 249 | Mertha |
| 6 | Shale | 255 | |
| 4 | Sand | 259 | No Oil |
| 23 | Shale | 282 | |
| 13 | Sandy Shale | 295 | |
| 11 | Sand | 306 | No Oil |
| 4 | Sandy Shale | 310 | |
| 50 | Shale | 360 | |
| 4 | Sand | 364 | |
| 8 | Sandy Shale | 372 | |
| 25 | Shale | 397 | |

397

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|--------------------|-------------|----------------|
| 10 | Shale & Lime | 407 | |
| 28 | Shale | 435 | |
| 9 | Lime | 444 | |
| 7 | Shale | 451 | |
| 7 | Lime | 458 | |
| 11 | Shale | 469 | |
| 7 | Lime | 476 | |
| 15 | Shale | 491 | |
| 4 | Lime | 495 | |
| 9 | Shale | 504 | |
| 3 | Lime | 507 | |
| 44 | Shale | 551 | |
| 3 | Sand & Sandy Shale | 544 | No Oil |
| 5 | Shale | 549 | |
| 13 | Sandy Shale | 572 | |
| 27 | Shale | 599 | |
| 5 | Sand | 604 | No Oil - Brown |
| 14 | Sandy Shale | 618 | |
| 3 | Shale | 621 | |
| 16 | Sandy Shale | 637 | |
| 11 | Shale | 648 | |
| 1 | Lime | 649 | |
| 10 | Shale | 659 | |
| 27 | Sandy Shale | 686 | |
| 4 | Sand & Sandy Shale | 690 | Slight Show |
| 4 | Sandy Shale | 694 | |
| 86 | Shale | 780 | TD |



CONSOLIDATED
Oil Well Services, LLC

269924

TICKET NUMBER 47476
LOCATION Ottawa
FOREMAN Alan Mader

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 |
|---------|------------|--------------------|---------|----------|-------|--------|
| 7-24-14 | 9999 | Green 6 | NE 2 | 17 | 22 | MI |

CUSTOMER
Honey Well

MAILING ADDRESS
120 Shoreline Dr

CITY
Houlisburg STATE
KS ZIP CODE
66053

| TRUCK # | DRIVER | TRUCK # | DRIVER |
|---------|---------|---------|--------|
| 730 | Ala Mad | | |
| 368 | Art McD | | |
| 675 | Kei Det | | |
| 558 | Brubir | | |

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 7/8

CASING DEPTH 723 DRILL PIPE _____ TUBING _____ OTHER 732 bf

SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes

DISPLACEMENT 4.2 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 97 sk 50150 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI set float. Closed valve

TOS Greg

Alan Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|-----------------|-----------|
| 5401 | 1 | PUMP CHARGE | 368 | 1085.00 ✓ |
| 5406 | 25 | MILEAGE | 368 | 10500 ✓ |
| 5402 | 753 | casing footage | 368 | — ✓ |
| 5407 | min | tax miles | 558 | 368.00 ✓ |
| 5502C | 2 | 80 var | 675 | 200.00 ✓ |
| 1124 | 97 | 50150 cement | 1115.50 | ✓ |
| 1118B | 263 # | gel | 57.86 | ✓ |
| | | Material sub | 1173.36 | ✓ |
| | | less 30% | -352.01 | ✓ |
| | | Material total | | 821.35 ✓ |
| 4402 | | 2 1/2 plug | | 29.50 ✓ |
| | | | 3052.88 | |
| | | | SALES TAX | 65.10 ✓ |
| | | | ESTIMATED TOTAL | 2673.95 ✓ |

NO Company ref

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 fo