

Miami County, KS
Well: Green 4
Lease Owner: HoneyWell

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

Commenced Spudding:
7/15/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	Soil-Clay	20
35	Shale	55
17	Lime	72
27	Shale	99
2	Lime	101
13	Shale	114
4	Lime	118
31	Shale	149
7	Lime	156
4	Shale	160
1	Lime	161
13	Shale	174
24	Lime	198
8	Shale	206
21	Lime	227
58	Shale	232
3	Lime	235
4	Shale	239
7	Lime	246
5	Shale	251
5	Sand	256
25	Shale	281
18	Sandy Shale	299
58	Shale	357
6	Sand	363
8	Sandy Shale	371
20	Shale	391
9	Shale	400
4	Shale	404
1	Lime	405
13	Shale	418
1	Lime	419
16	Shale	433
8	Lime	441
6	Shale	447
6	Lime	453
11	Shale	464
7	Lime	471
15	Shale	486
3	Lime	489

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times h$
 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. 4

Farm Green

KS Miami
 (State) (County)

(Section) (Township) (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
0-20	Soil-Clay	20	
35	Shale	55	
17	Lime	72	
27	Shale	99	
2	Lime	101	
13	Shale	114	
4	Lime	118	
31	Shale	149	
7	Lime	156	
4	Shale	160	
1	Lime	161	
13	Shale	174	
24	Lime	198	
8	Shale	206	
21	Lime	227	
5	Shale	232	
3	Lime	235	
4	Shale	239	
7	Lime	246	Hertha
5	Shale	251	
5	Sand	256	No Oil
25	Shale	281	
18	Sandy Shale	299	
58	Shale	357	
6	Sand	363	No Oil
8	Sandy Shale	371	
10	Shale	391	

391

Thickness of Strata	Formation	Total Depth	Remarks
9	Shale & Lime	400	
4	Shale	404	
1	Lime	405	
13	Shale	418	
1	Lime	419	
14	Shale	433	
8	Lime	441	
6	Shale	447	
6	Lime	453	
11	Shale	464	
7	Lime	471	
15	Shale	486	
3	Lime	489	
10	Shale	499	
4	Lime	503	
38	Shale	541	
4	Sandy Shale	545	
2	Sand	547	No Oil
17	Sandy Shale	564	
34	Shale	598	
12	Sandy Shale	610	
3	Shale	613	
14	Sandy Shale	627	
24	Shale	651	
24	Sandy Shale	675	
3	Sand & Shale	678	Broken - Good Saturation
4	Sand	682	Solid - Good Saturation

Thickness of Strata	Formation	Total Depth	Remarks
2	Sand	684	Broken - Good Saturation
10	Shale	794	
22	Sand	816	No Oil
9	Sandy Shale	825	
30	Shale	855	
65	Sandy Shale	920	TD



CONSOLIDATED
Oil Well Services, LLC

269736

TICKET NUMBER 47417
LOCATION Ottawa, KS
FOREMAN Casen Kennedy

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
7/16/14	9999	Green # 4	SE 2	17	22	MI

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Honeywell LLC	729	Caslen	✓ Safety Meeting	
	666	Keilar	✓	
	503	Mik Fox	✓	
	369	Mik Hag	✓	

CUSTOMER MAILING ADDRESS	CITY	STATE	ZIP CODE
120 Shoreline Dr	Houisburg	KS	66053

JOB TYPE longstring HOLE SIZE 5 7/8" HOLE DEPTH 760' CASING SIZE & WEIGHT 2 7/8" EUS
CASING DEPTH 742' DRILL PIPE _____ TUBING baffle - 711' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31'
DISPLACEMENT 4.12 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 143 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.12 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	25 mi	MILEAGE		105.00 ✓
5402	742'	casing footage		
5407	minimum	for mileage		368.00 ✓
5502C	2 hrs	80 Vac		200.00 ✓
1124	143 sks	50/50 Pozmix cement	1644.50	
1118B	440 #	Premium Gel	96.80	
		materials	1741.30	
		- 30%	522.39	
		subtotal		1218.91 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
				3602.22
			7.65%	95.50 ✓
			SALES TAX	
			ESTIMATED TOTAL	3101.91 ✓

AUTHORIZATION DAVID STREVILLE TITLE Land Owner #4 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.