

Miami County, KS
 Well: Ransom 3
 Lease Owner:HoneyWell

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

Commenced Spudding:
 7/29/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-21	Soil-Clay	21
38	Shale	59
18	Lime	77
12	Shale	89
2	Lime	91
21	Shale	112
4	Lime	116
29	Shale	145
8	Lime	153
18	Shale	171
24	Lime	195
8	Shale	203
21	Lime	224
5	Shale	229
3	Lime	232
5	Shale	237
6	Lime	243
6	Shale	249
5	Sand	254
17	Shale	271
18	Sand	289
7	Sandy Shale	296
62	Shale	358
2	Sandy Shale	360
4	Sand	364
23	Shale	392
11	Shale	403
31	Shale	434
8	Lime	442
6	Shale	448
8	Lime	456
10	Shale	466
7	Lime	473
16	Shale	489
4	Lime	493
8	Shale	501
4	Lime	509
17	Shale	522
3	Lime	529
24	Shale	549

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. 3

Farm Ransom

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
0-21	Soil-Clay	21	
38	Shale	59	
18	Lime	77	
12	Shale	89	
2	Lime	91	
21	Shale	112	
4	Lime	116	
29	Shale	145	
8	Lime	153	
18	Shale	171	
24	Lime	195	
8	Shale	203	
21	Lime	224	
5	Shale	229	
3	Lime	232	
5	Shale	237	
6	Lime	243	
6	Shale	249	Hertha
5	Sand	254	No Oil
17	Shale	271	
18	Sand	289	No Oil
7	Sandy Shale	296	
62	Shale	358	
2	Sandy Shale	360	
4	Sand	364	No Oil
28	Shale	392	
11	Shale & Lim	403	

403

Thickness of Strata	Formation	Total Depth	Remarks
31	Shale	434	
8	Lime	442	
6	Shale	448	
8	Lime	456	
10	Shale	466	
7	Lime	473	
16	Shale	489	
4	Lime	493	
8	Shale	501	
4	Lime	509	
17	Shale	522	
3	Lime	529	
24	Shale	549	
6	Sandy Shale	559	
44	Shale	599	
3	Sand & Shale	602	Brown Sand - No Oil
28	Sandy Shale	630	
24	Shale	654	
10	Sandy Shale	664	
12	Sandy Shale	676	Slight Show
1	Sand	677	Broken - Good Saturation 50%
3	Sand	680	Solid - Good Saturation
1	Sand	681	Broken - Good Saturation 50%
1	Sandy Shale	682	No Oil
4	Sand	686	Solid - Good Saturation
1	Sand	687	Broken - Good Saturation 50%
2	Sand	689	Solid - Good Saturation



CONSOLIDATED
Oil Well Services, LLC

269996

TICKET NUMBER 47514
LOCATION Olaua, KS
FOREMAN Casa, 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
7/30/14	9999	Ransom # 3	SE 2	17	22	MI
CUSTOMER Honey Well						
MAILING ADDRESS 120 Shoreline Dr						
CITY Louisburg	STATE KS	ZIP CODE 66053				
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		729	Cas Ken	✓ Safety Meeting		
		666	Kei Car	✓		
		548	Dan Kha	✓		
		369	Mik Haa	✓		

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 753' DRILL PIPE _____ TUBING 4 1/2" - 724' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 4.19 bbs 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 105 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing baffle, w/ 4.19 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

Handwritten signature

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	753'	casing footage		✓
5407	minimum	ton mileage		368.00 ✓
5502	2 hrs	80 vac		200.00 ✓
1124	105 sks	50/50 Pozmix cement	1207.50	✓
118B	370 #	Premium Gel	82.72	✓
		materials	1290.22	
		-30%	387.07	✓
		Subtotal		903.15
4402	1	2 1/2 rubber plug		29.50 ✓
				3178.68
			7.65%	SALES TAX 71.35 ✓
				ESTIMATED TOTAL 2762.00 ✓

Ravin 3737

AUTHORIZATION No Co. Rep. 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.