

Miami County, KS
Well: Knoche #14
Lease Owner: Keith Crawford

Town Oil Company, Inc.
(913) 294-2125

Commenced Spudding:
6/20/2011

WELL LOG

Thickness of Strata	Formation	Total Depth
14	Soil and Clay	14
32	Shale	46
8	Lime	54
13	Shale	67
32	lime	99
7	slate and shale	106
20	lime	126
4	slate and shale	130
3	Lime	133
3	slate and shale	136
6	Lime	142
5	slate and shale	147
1	Lime	148
6	sandy shale	154
17	Shale	171
91	sandy shale	262
3	slate and shale	265
32	sandy shale	297
8	sand	305
5	lime	310
18	sandy shale	328
2	lime	330
15	Shale	345
7	Lime	352
12	slate and shale	364
2	Lime	366
2	Shale	368
2	coal	370
5	shale	375
8	Lime	383
15	Shale	398
6	Lime	404
9	Shale	413
25	Lime	438
7	Shale	445
3	Lime	447
66	Shale	513
1	sand	514

Core Time Elapsed	Feet	Depth	Time
31	1	513	31
38	2	514	1:09
30	3	515	1:39
34	4	516	2:13
32	5	517	2:45
30	6	518	3:15
34	7	519	3:49
36	8	520	4:26
38	9	521	5:04
35	10	522	5:39
30	11	523	6:09
36	12	524	6:45
35	13	525	7:20
33	14	526	7:53
39	15	527	8:32
39	16	528	9:11
39	17	529	9:50
	18	530	
	19	531	
	20	532	



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 32631

LOCATION Ottawa KS

FOREMAN Fred Maden

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
6/22/11	2571	Knoche #14	NW 14	16	24	M1
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Crawford O:1 (Keith Crawford)			506	Fred	Safety	WJG
MAILING ADDRESS			368	Harold	N/A	
30842 Indianapolis Rd			523	Tim	TL	
CITY	STATE	ZIP CODE				
Paola	KS	66071				

JOB TYPE Long string HOLE SIZE 5 5/8 HOLE DEPTH 562 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 554 DRILL PIPE Pm @ TUBING 549 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 5' x Plug
 DISPLACEMENT 3.2 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Establish Circulation. Mix Pump 100 # Premium Gel Flush.
Mix Pump 72 sks 50/50 Por Mix Cement 2% Gel.
Cement to Surface. Flush pump & lines clean. Displace
2 1/2" Rubber plug to piston casing w/ 3.2 BBL Fresh Water
Pressure to 900 PSI. Hold pressure for 30 min MIT.
Release pressure to set float valve. Shut in casing

Rig Supplied Water
from Drilling

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		975.00
5406	40 mi	MILEAGE		160.00
5402	554	Casing footage		N/C
5407	Minimum	1000 Miles		3300.00
1124	72 sks	50/50 Por Mix Cement		752.40
118B	221#	Premium Gel		442.00
4402	1	2 1/2" Rubber Plug		28.00
<u>WO # 242.15.3</u>				
			<u>7.55%</u>	
			SALES TAX	62.25
			ESTIMATED TOTAL	2351.85

Revin 3737
AUTHORIZATION Scott Hickland

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