

Miami County, KS  
Well: Hanahan 5-HP  
Lease Owner: Haas

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

Commenced Spudding:  
8/22/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
34	Soil & Clay	34
2	Shale	36
8	Lime	44
40	Shale	84
9	Lime	93
2	Shale	95
5	Lime	100
9	Shale	109
27	Lime	136
11	Shale	147
20	Lime	167
5	Shale	172
3	Lime	175
3	Shale	178
6	Lime	184
4	Shale	188
3	Lime	191
5	Sandy Shale	196
14	Shale	210
10	Sand & Sandy Shale	220
22	Sandy Shale	242
48	Shale	290
5	Sand	295
4	Sandy Shale	299
26	Shale	225
5	Broken Sand	330
1	Shale	331
1	Broken Sand	332
3	Sand	335
2	Sandy Lime	337
1	Sand	338
1	Sand	339
1	Sand	340
3	Sand	343
2	Sand	345
1	Lime	346
4	Sand	350
15	Lime	365
8	Sand	373
19	Sandy Shale	392







**CONSOLIDATED**  
Oil Well Services, LLC

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

270722

TICKET NUMBER 48121  
LOCATION Ottawa  
FOREMAN Alan Mader

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8.25.14	3451	Hanahan 5-HP	32	17	22	Mi
CUSTOMER Haas Petroleum			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 11551 Ash St.			730	Ala Mader		
CITY STATE ZIP CODE Leawood KS 66211			368	Act Mcd		
JOB TYPE <u>long string</u> HOLE SIZE <u>5 7/8</u> HOLE DEPTH <u>400</u> CASING SIZE & WEIGHT <u>2 7/8</u>			370	Mik Fox		
CASING DEPTH <u>380</u> DRILL PIPE _____ TUBING _____ OTHER _____			503	Tro Har		
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING <u>yes</u>						
DISPLACEMENT <u>2.21</u> DISPLACEMENT PSI <u>800</u> MIX PSI <u>200</u> RATE <u>4 bpm</u>						
REMARKS: <u>Held meeting. Established rate. Mixed &amp; pumped 100# gel followed 55 sk 50 150 cement plus 2% gel &amp; 1/4# flo seal per sack. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float.</u>						

Chad TDS

*Alan Mader*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	20	MILEAGE	368	84.00
5402	380'	casing footage	368	
5407	mi	for miles	503	368.00
5502C	1 1/2	80 val	370	150.00
1107	14#	flo seal	34.58	
1124	55	50 150 cement	632.50	
118B	192#	gel	42.24	
		material sub	1709.32	
		less 30% <sup>2</sup>	-212.80	
		material total		496.52
4402	1	2 1/2 plug		29.50
		<input checked="" type="checkbox"/> completed		2482.34
		SALES TAX		40.25
		ESTIMATED TOTAL		2253.25

lavin 3737

AUTHORIZATION

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

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.