

Anderson County, KS
Well: Zastrow 17-HP
Lease Owner: Haas Petroleum

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

Commenced Spudding:
6/28/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
10	Soil-Clay	10
27	Shale	37
18	Lime	65
15	Shale	80
2	Lime	82
5	Shale	87
47	Shale	134
12	Lime	146
7	Shale	153
8	Lime	161
12	Sandy Lime	1763
17	Lime	190
5	Shale	195
22	Lime	217
3	Shale	220
24	Lime	244
3	Shale	247
3	Lime	250
5	Sandy Shale	255
20	Shale	275
5	Sand	280
6	Shale	286
10	Sand	296
18	Sandy Shale	314
60	Shale	374
6	Sand	380
5	Sandy Shale	385
25	Shale	410
2	Lime	412
6	Shale	418
2	Lime	420
4	Shale	424
9	Lime	433
10	Shale	443
9	Sand	452
5	Sandy Shale	457
8	Shale	465
7	Sand	472
8	Sandy Shale	480
3	Shale	483



CONSOLIDATED
Oil Well Services, LLC

260211

TICKET NUMBER 42095

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
7-1-13	3451	Zastrow 17-HP	NW 23	30	20	AN
CUSTOMER Haas Petroleum			TRUCK #			
MAILING ADDRESS 11551 Ash Ste 205			DRIVER			
CITY Leawood			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66211			TRUCK #			
			DRIVER			

JOB TYPE logstring HOLE SIZE 5 5/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 3/8
 CASING DEPTH 758 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 4.4 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Hooked to casing, Established rate. Mixed & pumped 100# gel followed by 98 sk 50/50 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 psi. Set float. Closed valve.

TDs, Chad

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	-	MILEAGE	368	-
5402	758	casing footage	368	-
5407	12 min	ton miles	503	184.00
5502L	1 1/2	80 val	675	135
1124	98	50/50 cement		1127.00
1118B	265	gel		58.30
4402	1	2 1/2 plug		29.62
				SALES TAX
				ESTIMATED
				TOTAL

Completed

SCANNED

[Signature]

SALES TAX 92.94
ESTIMATED 2711.74
TOTAL

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 form.