

Anderson County, KS  
 Well:Zastrow 8 I-HP  
 Lease Owner:Haas Petroleum

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

Commenced Spudding:  
 07/10/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
18	soil/clay	18
39	shale	57
28	lime	85
13	shale	98
3	lime	101
52	shale	153
10	lime	163
7	shale	170
36	lime	206
7	shale	213
22	lime	235
3	shale	238
25	lime	263
4	shale	267
2	lime	269
5	sandy shale	274
22	shale	296
4	sandy shale	300
12	shale	312
11	sandy shale and sand	323
9	sandy shale	332
60	shale	392
6	broken sand	398
5	sandy shale	403
25	shale	428
2	lime	430
6	shale	436
2	lime	438
4	shale	442
9	lime	451
9	shale	460
6	sand	466
5	sandy shale	471
8	shale	479
10	sand	489
7	sandy shale	496
2	shale	498
2	coal	500
6	shale	506
7	lime	513







**CONSOLIDATED**  
Oil Well Services, LLC

269726

TICKET NUMBER 47439  
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
7.14.14	3451	Zestrow # I-8-HP	NW 13	20	20	AN

CUSTOMER  
Haas Petroleum LLC

MAILING ADDRESS  
11551 Ash St. Ste

CITY Leawood STATE KS ZIP CODE 66211

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Har Bec		
369	Mik Haa		
510	Dus Web		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 600 CASING SIZE & WEIGHT 2 7/8 EUE

CASING DEPTH 780' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_

SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug

DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4BPM

REMARKS: Hold over safety waiting. Establish pump rate. Mix + Pump 100' Gel Flush. Mix + Pump 102 sks 50/50 Poz Mix Cement 270' Gel Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to casing ID. Pressure to 800 PSI. Monitor pressure for 30 min MIT. Release pressure to set float valve. Shut in casing.

TDS Drilling - Chad Weaver Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00 ✓
5406	—	MILEAGE		N/C ✓
5402	780'	Casing footage		N/C ✓
5407	1/2 minimum	Ten Miles	510	184.00 ✓
5502c	2 hrs	80 BBL Vac Truck	369	200.00 ✓
1124	102 SKS	50/50 Poz Mix Cement	1173.00	✓
118B	270'	Premium Gel	59.00	✓
		Material	1232.00	✓
		less 30%	-369.60	✓
		Total		862.40 ✓
4402	1	2 1/2" Rubber Plug		29.50 ✓
				2827.91
		7.65%	SALES TAX	68.38 ✓
			ESTIMATED TOTAL	2429.77 ✓

Ravin 3737

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