

Anderson County, KS  
Well: Zastrow 42-HP  
Lease Owner: Haas Petroleum

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

Commenced Spudding:  
9/10/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
21	Soil-Clay	21
17	Shale	38
27	Lime	65
17	Shale	82
2	Lime	84
52	Shale	136
11	Lime	147
8	Shale	155
36	Lime	191
6	Shale	197
21	Lime	218
4	Shale	222
23	Lime	245
3	Shale	248
4	Lime	252
5	Sandy Shale	257
18	Shale	275
11	Sandy Shale	286
7	Sand	293
14	Sandy Shale	307
69	Shale	376
6	Sand	382
5	Sandy Shale	387
24	Shale	411
2	Lime	413
5	Shale	418
2	Lime	420
6	Shale	426
9	Lime	435
8	Shale	443
5	Sand	448
8	Sandy Shale	456
3	Shale	459
7	Sandy Shale	466
5	Sand	471
6	Sandy Shale	477
5	Shale	482
2	Coal	484
4	Shale	488
6	Lime	494





**CONSOLIDATED**  
CEMENT SERVICES, LLC

262301

TICKET NUMBER 42492

LOCATION Ottawa

FOREMAN Alan 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
9-12-13	3451	Zastro 42 HP	NW 13	20	20	AN
CUSTOMER Haas Petroleum			TRUCK #			
MAILING ADDRESS 11551 Ashst Ste 205			DRIVER			
CITY Leawood			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66211			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 800 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 757 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT H.4 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: held meeting. Hoisted to casing. Established rate. Mixed & pumped 100 gal gel followed by 94 sk 50150 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float. Closed valve.

JOS, Chad

Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5401	1	PUMP CHARGE	368	1085.00 ✓	
5406	25	MILEAGE	368	105.00 ✓	
5402	757	casing footage	368	— ✓	
5407	1/2 min	ten miles	548	184.00 ✓	
55026	1 1/2	80 vac	369	135.00 ✓	
1124	94	50150 cement		1081.00 ✓	
111813	258	gel		56.76 ✓	
4402	1	2 1/2 plug		29.50 ✓	
				SALES TAX	89.30 ✓
				ESTIMATED TOTAL	2765.56 ✓

**completed**

RAVIN 3737 AUTHORIZATION [Signature] 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