

Anderson County, KS
 Well:Zastrow 41-HP
 Lease Owner:Hass Petroleum

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

Commenced Spudding:
 9/11/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
21	soil/clay	21
15	shale	36
28	lime	64
16	shale	80
3	lime	83
2	shale and lime	85
2	lime	87
47	shale	134
11	lime	145
8	shale	153
36	lime	189
6	shale	195
21	lime	216
3	shale	219
23	lime	242
4	shale	246
3	lime	249
6	sandy shale	255
18	shale	273
5	sand	278
6	shale	284
6	sand	290
16	sandy shale	306
68	shale	374
6	sand	380
4	sandy shale	384
25	shale	409
2	lime	411
6	shale	417
2	lime	419
5	shale	424
10	lime	434
10	shale	444
3	lime	447
5	sand	452
12	shale	464
6	sand	470
10	sandy shale	480
2	shale	482
2	coal	484



CONSOLIDATED
Oil Well Services, LLC

262302

TICKET NUMBER 42493
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
9-12-13	3451	Zastrow 41HP	NW 13	2D	2D	AN
CUSTOMER Hars Petroleum						
MAILING ADDRESS 11551 Ash St, Ste 205						
CITY Leawood		STATE KS	ZIP CODE 66211			
TRUCK #	DRIVER	TRUCK #	DRIVER			
516	Alan Mader	Safety	Meet			
368	Art McD					
369	Der Mas					
548	Mik Hag					

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 4.4 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Hold meeting. Hooked to casing. Established rate. Mixed & pumped 100# gel followed by 94 (56 50/50 cement plus 2% gel, circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float. Closed valve.

TOS, 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	757	casing footage	368	— ✓
5407	1/2 Min	ton miles	548	184.00 ✓
5302C	1 1/2	80 vac	369	135.00 ✓
1124	94	50/50 cement		1081.00 ✓
1180	258	gel		56.76 ✓
4402	1	2 1/2 plug		24.50 ✓
completed				
SALES TAX				89.30 ✓
ESTIMATED TOTAL				2660.56 ✓

Revin 9737 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.