

Anderson County, KS
 Well:Zastrow 4I-HP
 Lease Owner:Haas Petroleum

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

Commenced Spudding:
 7/26/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
10	Soil-Clay	10
33	Shale	43
28	Lime	71
15	Shale	86
3	Lime	89
2	Shale	91
48	Shale	139
11	Lime	150
8	Shale	158
37	Lime	195
6	Shale	201
21	Lime	222
3	Shale	225
22	Lime	247
4	Shale	251
3	Lime	254
5	Sandy Shale	259
18	Shale	277
4	Sand	281
11	Shale	292
8	Sand	300
15	Sandy Shale	315
61	Shale	376
6	Sand	382
5	Sandy Shale	387
44	Shale	429
10	Lime	438
10	Shale	448
9	Sand	457
5	Sandy Shale	462
6	Shale	468
6	Sand	474
6	Sandy Shale	480
7	Shale	487
2	Coal	489
7	Lime	496
3	Shale	499
2	Lime	501
9	Shale	510
5	Lime	515



CONSOLIDATED
Oil Well Services, LLC

261124

TICKET NUMBER 42292

LOCATION Oktawa KS

FOREMAN Fred 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
7-31-13	3451	Zastrow #4I-HP	NW 13	20	26	AN
CUSTOMER			TRUCK #			
Mark Haas			DRIVER			
MAILING ADDRESS			TRUCK #			
11551 Ash St. Ste 205			DRIVER			
CITY		STATE	ZIP CODE			
Leawood		KS	66211			

JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT
long string	5 7/8	780	2 7/8 EUE
CASING DEPTH	DRILL PIPE	TUBING	OTHER
763			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING
			2 1/2" Plug
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE
4.43 BBL			5 BPM

REMARKS: Hold crew meeting. Establish pump rate. Mix Pump # Gel
Flush. Mix + Pump 100 sks 50/50 Por Mix Cement 2% Gel
Cement to surface. Flush pump + lines clean. Displace
2 1/2" Rubber plug to casing TP. Pressure to 800 PSI.
Hold + Monitor pressure for 30 min MIT.

To S Drilling - Chad

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00
5406	25 mi	MILEAGE	495	105.00
5402	763	Casing footage		N/C
5407	Minimum	Ten Miles	503	368.00
5500C	2 hr	80 BBL Vac Truck	369	180.00
1124	100 SKS	50/50 Por Mix Cement		1150.00
118B	268*	Premium Gel		5896
4402	1	2 1/2" Rubber Plug		29.50
Completed				
			7.65%	SALES TAX
				9475
				ESTIMATED
				TOTAL
				3071.21

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.