

Anderson County, KS
Well: Zastrow 9 I-HP
Lease Owner: Haas Petro

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

Commenced Spudding:
07/12/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
18	soil/clay	18
50	shale	68
29	lime	97
13	shale	110
6	lime and shale	116
50	shale	166
10	lime	176
7	shale	183
37	lime	220
6	shale	226
20	lime	246
3	shale	249
25	lime	274
3	shale	277
4	lime	281
5	sandy shale	286
19	shale	308
5	sandy shale	310
20	shale	330
8	sandy shale	338
64	shale	402
8	sandy shale	410
5	sandy shale	415
23	shale	438
3	lime	441
6	shale	447
2	lime	449
4	shale	453
10	lime	463
6	shale	469
5	sandy shale	474
9	sandy shale	483
4	sandy shale	487
6	shale	493
10	sand and sandy shale	503
11	shale	514
3	shale and coal	517
8	lime	525
4	shale	529
5	shale and lime	534



CONSOLIDATED
Oil Well Services, LLC

269725

TICKET NUMBER 47438
LOCATION Ottawa 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
7-14-14	3451	Zastrow #I.9.HP	NW 13	20	20	AW

CUSTOMER
Haas Petroleum LLC

MAILING ADDRESS
11551 Ash St Ste

CITY
Leawood

STATE
KS

ZIP CODE
66211

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Frc Mad		
495	Har Bec		
369	Milk Haa		
510	Dus Web		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 7/8 EUE

CASING DEPTH 769 DRILL PIPE _____ TUBING _____ OTHER _____

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

DISPLACEMENT 4.478 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix Pump 100 *
Gel Flush. Mix + Pump 102 sks 50/50 Por Mix Cement 2% Gel.
Cement to surface. Flush pump + lines clean. Displace 2 1/2"
Rubber plug to casing top. Pressure to 800* PSI.
Monitor pressure for 30 min MIT

TAS Drilling - Chad Weaver Fred Mader

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	769	Casing Footage		N/C ✓
5407	1/2 Minimum	Ton Miles	510	184.00 ✓
5502C	2 hr	80 BBL Vac Truck	369	200.00 ✓
1124	102 sks	50/50 Por Mix Cement	1123.00	✓
1118B	272#	Premium Gel	59.84	✓
		Material	1232.84	✓
		Less 30%	-369.85	✓
		Total		862.99
4402	1	2 1/2" Rubber Plug		29.50 ✓

2957.91

SALES TAX 7.65% ESTIMATED 68.28 ✓

TOTAL 2534.77 ✓

DATE July 11

AUTHORIZATION [Signature] TITLE _____

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 fr