

Anderson County, KS
Well:Zastrow 43-HP
Lease Owner:Haas Petroleum

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

Commenced Spudding:
9-16-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
22	soil-clay	22
21	shale	43
27	lime	70
15	shale	85
3	lime	88
3	shale and lime	91
48	shale	139
11	lime	150
8	shale	158
37	lime	195
5	shale	200
21	lime	221
3	shale	224
22	lime	246
5	shale	251
3	lime	254
6	sandy shale	260
16	shale	246
5	broken sand	281
3	sandy shale	284
8	shale	292
7	sandy shale	299
16	sandy shale	315
64	shale	379
9	sandy shale	388
4	sandy shale	392
25	shale	417
2	lime	419
6	shale	425
2	lime	427
4	shale	431
8	lime	439
7	shale	446
6	sandy shale	452
15	shale	467
8	sandy shale	475
6	sandy shale	481
7	shale	489
2	coal	491
6	lime	497



CONSOLIDATED
Oil Well Services, LLC

262565

TICKET NUMBER 42510
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
9-19-13	3451	2950 (now) 43-HP	NW 13	20	20	AD
CUSTOMER			TRUCK #			
Hagan Petroleum			516			
MAILING ADDRESS			DRIVER			
11551 Ash St. Ste 205			Alan Maden			
CITY			TRUCK #			
Heavwood			368			
STATE			DRIVER			
KS			Armed			
ZIP CODE			TRUCK #			
66211			303			
			DRIVER			
			Dan Det			

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 756.08 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 44 DISPLACEMENT PSI 800 MIX PSI 200 RATE 14 bpm

REMARKS: Hold meeting. Established rate down casing. Mixed & pumped 100 gal gel followed by 108 sk 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 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	10500 ✓
5402	756.55	casing footage	368	— ✓
5407	Mig	fun miles	503	368.00 ✓
5502C	2	80 vgc	678	1800.00 ✓
1124	108	50/50 cement		1242.00 ✓
1188	281	gel		6182 ✓
4402	1	2 1/2 plug		29.50 ✓
completed				
SALES TAX				102.00 ✓
ESTIMATED TOTAL				3173.32 ✓

Revin 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 for