

Anderson County, KS
Well:Zastrow 40-HP
Lease Owner:Haas Petroleum

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

Commenced Spudding:
9-12-2013

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
6	sand	279
5	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
6	shale	425
9*	lime	434
10	shale	444
3	lime	447
6	sand	453
3	sandy shale	456
9	shale	465
5	sand	470
10	sandy shale	480
2	shale	482



CONSOLIDATED
Oil Well Services, LLC

262423

TICKET NUMBER 42399

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/13/13	3451	Zastraw # 40-HP	NW 13	20	20	AN
CUSTOMER Haas Petroleum						
MAILING ADDRESS 11551 Ash St. Suite 205						
CITY Leawood		STATE KS	ZIP CODE 66211			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			481	Cashen	✓ Safety Meeting	
			666	Kei Det	✓	
			510	Set Tur	✓	
			675	Kei Det	✓	

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 757' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 4.38 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 99 #s 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 4.38 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

Casey Kennedy

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	25 mi	MILEAGE		105.00 ✓
5402	757'	casing footage		✓
5407	minimum	ton mileage		368.00 ✓
5502C	3 hrs	80 Vac		270.00 ✓
1124	99 #s	50/50 Pozmix cement		1138.50 ✓
1118B	366 #	Premium Gel		80.52 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
			7.65%	SALES TAX
				95.52 ✓
				ESTIMATED TOTAL
				3172.04 ✓

completed

Ravin 3737

AUTHORIZATION Journey was there

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