

Anderson County, KS  
Well:Zastrow 7 I-HP  
Lease Owner:Haas Petro

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

Commenced Spudding:  
5/28/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
10	soil/clay	10
37	shale	47
27	lime	74
15	shale	89
3	lime	92
3	shale and lime	95
2	lime	97
44	shale	141
11	lime	152
7	shale	159
8	lime	167
13	sandy lime	180
16	lime	196
5	shale	201
23	lime	224
3	shale	227
23	lime	250
3	shale	253
3	lime	256
7	sandy shale	263
16	shale	279
5	sandy shale	284
12	shale	296
9	sand	305
17	sandy shale	322
58	shale	380
6	sand	386
5	sandy shale	391
25	shale	416
2	lime	418
6	shale	424
2	lime	426
4	shale	430
8	lime	438
10	shale	448
7	sand	455
10	sandy shale	465
12	sand	477
5	sandy shale	482
11	shale	493







**CONSOLIDATED**  
Oil Well Services, LLC

268694

TICKET NUMBER 47298

LOCATION Ottawa, KS

FOREMAN Casa, Kennedy

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
6/4/14	3451	Zastrow # 7 IHP	NE 14	20	20	AN
CUSTOMER Haas Petroleum			TRUCK #			
MAILING ADDRESS 11551 Ash St Suite 205			DRIVER			
CITY Leawood			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66211			TRUCK #			
			DRIVER			

JOB TYPE longstring HOLE SIZE 5 7/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 765' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 4.43 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 101 sks 5%50 Pozmix cement w/ ~~100%~~ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 4.43 bbls fresh water, pressured to 800 PSI, well held pressure for 30 min MIT, released pressure, shut in casing.

*[Handwritten signature]*

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	765'	casing footage		184.00 ✓
5407	1/2 minimum	ton mileage		150.00 ✓
5502C	1.5 hrs	80 Vac		
1124	101 sks	5%50 Pozmix cement	1101.50 ✓	
1118B	370 #	Premium Gel	81.40 ✓	
		materials	1242.90	
		- 30%	372.87 ✓	
		subtotal		870.03 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
				2893.74
		7.65%	SALES TAX	68.82 ✓
			ESTIMATED TOTAL	2492.35 ✓

Flavin 3737

AUTHORIZATION Chad Hammond 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.