

Miami County, KS
 Well:Hanahan 1I-HD
 Lease Owner:Haas Petroleum

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

Commenced Spudding:
 11/7/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
7	soil/clay	7
10	lime	17
21	shale	38
8	lime and shale	43
6	lime	49
41	shale	90
16	lime	106
9	shale	115
28	lime	143
8	shale	151
22	lime	173
5	shale	178
5	lime	183
2	shale	185
5	lime	190
8	shale	198
32	sandy shale	230
64	shale	294
7	sandy shale	301
5	sandy shale	306
19	shale	325
1	sandy shale	326
14	sandy shale	340
2	sandy lime	342
2	sand	344
2	sand	346
3	sand	349
2	broken sand	351
2	broken sand	353
1	shale	354
1	broken sand	355
13	lime	368
10	sand	378
3	sandy shale	381
19	shale	400-TD



CONSOLIDATED
Oil Well Services, LLC

263982

TICKET NUMBER 44837

LOCATION Ottawa, KS

FOREMAN Jim Green

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
11-08-13	3451	Hamahan # 2E-HP	NW 32	17	22	MT
CUSTOMER <u>Hass Petroleum</u>						
MAILING ADDRESS <u>11551 Ash Ste 205</u>						
CITY <u>Leewood</u>		STATE <u>KS</u>	ZIP CODE <u>66211</u>			
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		<u>669</u>	<u>Jim Green</u>			
		<u>666</u>	<u>Gar Moo</u>			
		<u>369</u>	<u>Der Mas</u>			
		<u>548</u>	<u>MIK Han</u>			

JOB TYPE Logging HOLE SIZE 5 7/8" HOLE DEPTH 400' CASING SIZE & WEIGHT 2 1/2"
 CASING DEPTH 373.26' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/ek _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI 800' MIX PSI 800' RATE _____

REMARKS: Held crew meeting. Establish Circulation mix and pump 100' Gell
To flush hole. Mix and pump 635K 5% Poz mix Cement with 2% Gell.
Flush pump clear of cement. Pump 2 1/2" Rubber plug to total depth of
Casing. Circulated cement to surface. Pressure up to 800' PSI Held good.

30 min MIT Held at 800' PSI Good

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	20	MILEAGE		84.00 ✓
5402	373'	Casing footage		N/C ✓
5502C	2 HRS	WRECK		180.00 ✓
5407	Mih	Ton Mileage		368.00 ✓
1124	635K	5% Poz mix Cement		724.30 ✓
1118B	206'	Premium Gell		45.32 ✓
4402	1	2 1/2" Rubber Plug		29.52 ✓
				completed

Ravin 3737

7.650% SALES TAX 61.15
ESTIMATED TOTAL 2577.47

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.