

Miami County, KS  
 Well: Hanahan 3-HP  
 Lease Owner: Haas Petroleum

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

Commenced Spudding:  
 11/5/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
35	Soil-Clay	35
7	Shale	42
6	Lime	48
40	Shale	88
16	Lime	104
10	Shale	114
27	Lime	141
8	Shale	149
23	Lime	172
5	Shale	177
4	Lime	181
3	Shale	184
6	Lime	190
21	Shale	211
17	Sandy Shale	228
66	Shale	294
5	Sand	299
4	Sandy Shale	303
22	Shale	325
3	Sand	328
1	Sand	329
2	Sand	331
10	Sand	341
1	Sandy Lime	342
2	Sand	344
1	Sandy Lime	345
1	Sandy Lime	346
2	Sandy Lime	348
1	Sand	349
2	Sandy Lime	351
2	Sand	353
1	Broken Sand	354
2	Shale	356
13	Lime	369
6	Shale	375
9	Sand	384
12	Sandy Shale	396
19	Shale	415
5	Lime	420-TD

Hemlock Farm: Miami County

KS State; Well No. 3-HP

Elevation 883

Commenced Spuding 11-5 20 13

Finished Drilling 11-6 20 13

Driller's Name Chad Weaver

Driller's Name \_\_\_\_\_

Driller's Name \_\_\_\_\_

Tool Dresser's Name Cole Holman

Tool Dresser's Name \_\_\_\_\_

Tool Dresser's Name \_\_\_\_\_

Contractor's Name TOS

32 17 22

(Section) (Township) (Range)

Distance from N line, 495 ft.

Distance from W line, 784 ft.

3 - sticks  
**CASING AND TUBING  
RECORD**

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

7 1/2" Set 22' 8" Pulled \_\_\_\_\_

6 1/4" Set \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2 7/8" Set 400' 2" Pulled \_\_\_\_\_

430 TD




**CONSOLIDATED**  
Oil Well Services, LLC

263805

TICKET NUMBER 44786  
LOCATION Ottawa  
FOREMAN Alan 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
11-7-13	3451	Hannah #3 HP	NW 32	17	22	MI
CUSTOMER Haas Petroleum			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 11551 Ash Ste 205			516	Ala Mad	Safety	Meet
CITY STATE ZIP CODE heewood KS 16211			368	Der Mas		
			369	Der Mas		
			548	Mikitaq		

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 420 CASING SIZE & WEIGHT 2 7/8  
CASING DEPTH 400 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
DISPLACEMENT 2.3 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate down casing. Mixed & pumped 100# gel followed by 50/150 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float. Closed valve.

TOS, Chad

*Alan Mader*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1080.00
5406	20	MILEAGE	368	8400.00
5402	400'	casing footage	368	18400.00
5407	1/2	ton miles	348	13500.00
5502C	1 1/2	80 gal	369	13500.00
1124	58	50/150 cement		1067.00
1118B	197	gel		43.34
4402	1	2 1/2 plug		29.50
<b>completed</b>				
SALES TAX				56.61
ESTIMATED TOTAL				2284.45

Rawin 3737

no company rep on site  
AUTHORIZATION Jim Oka 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 fo