

Allen County, KS  
 Well:Miewes 4-HP  
 Lease Owner:Haas Petro

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

Commenced Spudding:  
 06/24/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
5	soil/clay/rocks	5
7	lime	12
5	shale	174
2	lime	19
102	shale and sandy shale	121
38	lime	159
22	sandy shale and sand	181
1	sandy lime	182
10	ssand	192
2	shale and coal	194
2	shale	196
7	lime	203
4	shale	207
6	lime	213
17	shale	230
60	lime	290
40	shale	294
28	lime	322
4	shale	326
7	lime	333
2	shale	335
10	lime	345
5	shale	350
7	lime	357
5	shale	362
8	sandy shale and sand	370
3	sand	373
5	sandy shale	378
8	sand	386
24	sandy shale	410
77	shale	487
7	sandy shale	494
31	shale	525
11	lime	536
13	shale	549
12	lime	561
11	shale	572
15	sand	587
5	shale	592
13	sandy shale	605







**CONSOLIDATED**  
Oil Well Services, LLC

269176

TICKET NUMBER 47382  
LOCATION Ottawa KS  
FOREMAN Fred 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
6.26.14	3451	Miewas # 4-HP	NE 8	24	19	AL

  

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Har Bee		
369	Mike Haa		
558	Max Cos		

  

CUSTOMER	CITY	STATE	ZIP CODE
Hars Petroleum LLC	Leawood	KS	66211

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1030 CASING SIZE & WEIGHT 4 1/2  
 CASING DEPTH 1026 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 4 1/2" Plug  
 DISPLACEMENT 16.28 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 58 BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix & Pump 100# Gel Flush. Mix & Pump 98 sks OWC Cement 1/4# Flo Seal/sk. Flush pump & lines clean. Displace 4" Rubber plug to casing TD. Pressure to 600# PSI. Release pressure to set float valve. SKUY in casing.

TDS Drilling: Chad Weaver Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	50 mi	MILEAGE	495	2475 <sup>00</sup>
5402	1026	Casing footage		N/C
5407	Minimum	Ten Miles	558	368 <sup>00</sup>
5502C	3 1/2 hr	80 BBL Vac Truck	369	350 <sup>00</sup>
1126	98 sks	OWC Cement	1935 <sup>50</sup>	
1118B	100#	Premium Gel	22 <sup>00</sup>	
1107	25#	Flo Seal	61 <sup>75</sup>	
		Material	2019 <sup>25</sup>	
		Less 30%	-605 <sup>25</sup>	
		Total		1413 <sup>47</sup>
4404	1	4 1/2" Rubber Plug		4725 <sup>00</sup>
		<b>SCANNED</b>	4232.42	
		7.4%	SALES TAX	108.10
			ESTIMATED TOTAL	3581 <sup>52</sup>

Ravn 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 form.