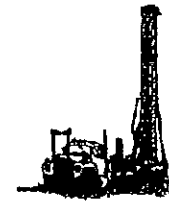


# LEIS OIL SERVICES



1410 150th Rd. • Yates Center, Kansas 66783 • (620) 212-0752

<b>Operator License #:</b> 33640	<b>API #:</b> 15-059-27136-00-00
<b>Operator:</b> Haas Petroleum, LLC	<b>Lease:</b> Ferrell
<b>Address:</b> 10551 Barkley St. Ste 307, OP KS 66211	<b>Well #:</b> 2i-HP
<b>Phone:</b> (913) 207-0257	<b>Spud Date:</b> 2-22-17 <b>Completed:</b> 2-23-17
<b>Contractor License:</b> 34036	<b>Location:</b> SW-NW-NW-NE of 18-18-21E
<b>T.D. :</b> 690 <b>T.D. of Pipe:</b> 684 <b>Size:</b> 2.875"	380 Feet From North
<b>Surface Pipe Size:</b> 7" <b>Depth:</b> 22'	2875 Feet From West
<b>Kind of Well:</b> Enc. Rec.	<b>County:</b> Franklin

## LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
8	Soil/Clay	0	8	9	Oil Sand	612	621
20	Shale	8	28	69	Shale	621	690
43	Lime	28	71				
63	Shale	71	134				
19	Lime	134	153				
18	Shale	153	171				
7	Lime	171	178				
44	Shale	178	222				
16	Lime	222	238				
10	Shale	238	248				
28	Lime	248	276				
6	Shale/Black Shale	276	282				
23	Lime	282	305				
4	Shale/Black Shale	305	309				
11	Lime	309	320				
163	Shale	320	483		T.D.		690
14	Lime	483	497		T.D. of Pipe		684
48	Shale	497	545				
5	Lime	545	550				
14	Shale	550	564				
4	Lime	564	568				
2	Black Shale	568	570				
8	Shale	570	578				
7	Lime	578	585				
14	Shale	585	599				
4	Lime	599	603				
2	Black Shale	603	605				
6	Shale	605	611				
1	Lime	611	612				



**CONSOLIDATED**  
Oil Well Services, LLC

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

Invoice # **809668**

1614  
7511

TICKET NUMBER **50406**  
LOCATION **Ottawa KS**  
FOREMAN **Fred Maden**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-23-17	3451	Ferrill # 2-I.-HP	NW 18	18	21	FR
CUSTOMER Haas Petroleum						
MAILING ADDRESS 10551 Barkley Ste 307						
CITY Overland Park		STATE KS	ZIP CODE 66212			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			712	Fred Maden		
			368	Art Maden		
			675	Ken Det		
			804	Milkhaas		

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 690 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH 654' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Rubber Plug  
 DISPLACEMENT 4 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 B P M

REMARKS: Hold Safety Meeting. Establish Circulation. Mix Pump 100% Gel  
 Flush. Mix & Pump 96 SKS for Blend IA Cement 2% Gel.  
 Cement to surface. Flush pump & lines clean. Displace 2 1/2"  
 Rubber plug to casing TB. Pressure to 800# PSI. Monitor  
 pressure for 30 min MIT. Release pressure to set float  
 valve. Shut in Casing.

Leis Oil Well Service

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	368 1500 <sup>00</sup>	
CE0002	15 mi	MILEAGE	368 107 <sup>25</sup>	
CE0711	Minimum	Ten Miles Delivery	804 660 <sup>00</sup>	
WE0853	1 1/2 hr	80 BBL Vac Truck	675 150 <sup>00</sup>	
Sub Total			2417 <sup>25</sup>	
Less 55%				1057 <sup>26</sup>
CC5840	96 SKS	Por. Blend IA Cement	1296 <sup>00</sup>	
CC5965	261 #	Dextonite Gel	78 <sup>20</sup>	
CP8176	1	2 1/2" Rubber Plug	45 <sup>00</sup>	
Sub Total			1419 <sup>20</sup>	
Less 55%				638 <sup>69</sup>
			8%	SALES TAX
				ESTIMATED
				TOTAL
				5100
				8177 <sup>59</sup>
				(3950 <sup>23</sup> )

RAVIN 3737  
 AUTHORIZATION No Co Rep on Site 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.