

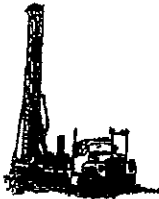




Form	ACO1 - Well Completion
Operator	Haas Petroleum, LLC
Well Name	FERRELL 9I-HP
Doc ID	1352070

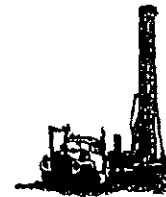
#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7.000	17.0	22	Cement	26	N/A
Production	5.625	2.875	6.5	687	Poz Blend	94	N/A



# LEIS OIL SERVICES

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



<b>Operator License #:</b> 33640	<b>API #:</b> 15-059-27137-00-00
<b>Operator:</b> Haas Petroleum, LLC	<b>Lease:</b> Ferrell
<b>Address:</b> 10551 Barkley St. Ste 307, OP KS 66211	<b>Well #:</b> 9i-HP
<b>Phone:</b> (913) 207-0257	<b>Spud Date:</b> 2-20-17 <b>Completed:</b> 2-21-17
<b>Contractor License:</b> 34036	<b>Location:</b> NE-NE-SE-NW of 18-18-21E
<b>T.D. : 692 T.D. of Pipe:</b> 686 <b>Size:</b> 2.875"	1360 <b>Feet From</b> North
<b>Surface Pipe Size:</b> 7" <b>Depth:</b> 22'	2510 <b>Feet From</b> West
<b>Kind of Well:</b> Enc. Rec.	<b>County:</b> Franklin

## LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
11	Lime	0	11	5	Broken Sand	645	650
32	Shale	11	43	42	Shale	650	692
45	Lime	43	88				
65	Shale	88	153				
21	Lime	153	174				
19	Shale	174	193				
8	Lime	193	201				
43	Shale	201	244				
13	Lime	244	257				
10	Shale	257	267				
12	Lime	267	279				
2	Shale	279	281				
14	Lime	281	295				
7	Shale/Black Shale	295	302				
23	Lime	302	325				
3	Black Shale	325	328		T.D.		692
12	Lime	328	340		T.D. of Pipe		686
163	Shale	340	503				
9	Lime	503	512				
50	Shale	512	562				
10	Lime	562	572				
15	Shale	572	587				
3	Lime	587	590				
16	Shale	590	606				
21	Lime	606	627				
3	Shale	627	630				
1	Lime	630	631				
4	Shale	631	635				
10	Oil Sand	635	645				



**CONSOLIDATED**  
Oil Well Services, LLC

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

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

TICKET NUMBER **50403**  
LOCATION **Ottawa KS**  
FOREMAN **Fred Maden**

**Invoice #809653**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-21-17	3451	Ferrall # 95	NW 12	15	21	FR
CUSTOMER <b>Haas Petroleum</b>						
MAILING ADDRESS <b>10551 Barkley Sta</b>						
CITY <b>Overland Park</b>	STATE <b>KS</b>	ZIP CODE <b>66212</b>				
			TRUCK #	DRIVER	TRUCK #	DRIVER
			712	Fred Mad		
			495	Howe Bac		
			675	Kidax		
			804	ArMed		

JOB TYPE Long String HOLE SIZE 5 7/8 HOLE DEPTH 695' CASING SIZE & WEIGHT 2 3/4 EUE  
CASING DEPTH 687' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug  
DISPLACEMENT 40 BL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 460 PM

REMARKS: No H Safety mixing. Establish Circulation. Mix Pump 100' Gel  
Flush. Mix Pump 945ks Por Blend IACement 220 Gall Cement  
to surface. Flush pump & lines clean. Displace 2 1/2" Rubber  
plug to casing TD. Pressure to 800 PSI. Monitor Pressure  
For 30 Min MIT. Release pressure to set float Valve.  
Shut in Casing.

Leis Drilling.

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	495	1500.00
CE 0002	1.5 mi	MILEAGE	N/A	
CE 0791	1/2 Mile	Ton Miles Delivery	804	320.00
WE 0852	1 1/2 hr	80 BBL Vac Truck	675	1500.00
		Sub Total		1960.00
		less 55%		891.20
1149	945ks	Por Blend IACement	1262.00	
CE 5965	277#	Bentonite Gel	63.10	
CP 8176	1	2 1/2" Rubber Plug	45.00	
		Sub Total		1397.10
		less 55%		628.20
		8%	SALES TAX	50.20
			ESTIMATED TOTAL	1570.00
				(3461.57)

Ravin 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.