

HAT DRILLING
 12371 KS HWY 7
 MOUND CITY, KS 66056
 LICENSE # 33734

Ayres #V-9
 API # 15-121-29723-00-00
 SPUD DATE 11-18-13

Footage	Formation	Thickness	Set 20' of 7"
2	Topsoil	2	TD 820'
18	clay	16	Ran 433' of 2 7/8 on 12-02-13
32	lime	14	
42	shale	10	
47	lime	5	
79	shale	32	
95	lime	16	
100	shale	5	
134	lime	34	
145	shale	11	
159	lime	14	
162	shale	3	
183	lime	21	
307	shale	124	Hertha
310	sandy shale	3	some odor, little show
321	shale(grey)	11	
333	shale(black)	12	
338	oil sand/shale	5	little show in cutting, 70% shale, 30% sand
340	shale	2	
342	sand	2	70% shale, 30% sand
346	shale	4	
347	sand	1	
349	shale	2	
353	oil sand	4	75% sand, 25% shale, good sand
362	shale/sand	9	little odor, 70% shale, 30% sand
378	shale	16	
385	lime	7	
429	shale	44	
432	lime	3	
469	shale	37	
473	lime	4	
522	shale	49	
529	sand	7	squirrel, no oil
541	broken sand & shale	12	brown sand
545	sand	4	grey sand, (water sand), no oil
565	black sand	20	no oil
816	shale	251	
820	lime	4	



CONSOLIDATED
Oil Well Services, LLC

264543

TICKET NUMBER 44908

LOCATION Ottawa KS

FOREMAN Fred Maden

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
12.2.13	8553	Ayres # V-9	NE 19	17	23	MI
CUSTOMER <u>Vast Petroleum</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>10939 N. Alpine Hwy</u>			<u>712</u>	<u>Fremad</u>		
CITY <u>Highland</u>			<u>495</u>	<u>Har Bec</u>		
STATE <u>UT</u>			<u>675</u>	<u>Kid Det</u>		
ZIP CODE <u>84003</u>			<u>558</u>	<u>Max Roc</u>		

JOB TYPE Longstring Plug Hole HOLE SIZE 5 7/8 HOLE DEPTH 820 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 433 DRILL PIPE Baffle in TUBING @ 4.03 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30' + Plug
 DISPLACEMENT 2.84 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 B P M

REMARKS: Hold crew safety meeting. Rig ran 2 7/8 Tubing to TD. Plug back well to 450'. Rig Pul 2 7/8 Tubing to 433'. Mix Pump 75 SKS 50/50 Per Mix Cement 2 7/8 Gal 2 7/8 Calcium Chloride 1/4" Flo Seal/sk. Cement to surface. Flush pump & lines. Displace 2 7/8" Plug to Baffle. Shut in Cas. y.

Note: Plug back well w/ 50/50 Per Mix Cement 2 7/8 Gal. - 80 SKS

Hot Drilling

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00
5406	30 mi	MILEAGE	495	126.00
5402	433	Casing footage		NIC
5407	Minimum	Ton Miles	538	368.00
5520	3 hrs	80 BBL Var Truck	675	270.00
1124	155 SKS	50/50 Per Mix Cement		1782.50
1118B	361#	Premium Gal		79.42
1102	126#	Calcium Chloride		98.28
1107	20#	Flo Seal		49.40
41402	1	2 7/8" Rubber Plug		29.50
			7.65%	SALES TAX
				ESTIMATED
				TOTAL
				156.00
				4044.00

Rev'n 3737

AUTHORIZATION No Co. Representative

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.