

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

Richardson #V-12
API # 15-121-30099-00-00
SPUD DATE 05-05-14

Footage	Formation	Thickness	Set 20' of 8 5/8"
2	topsoil	2	TD 565'
4	clay	2	Ran 557' of 4 1/2 on 05-06-14
21	lime	17	
48	shale	27	
91	lime	43	
106	shale	15	
116	lime	10	
147	shale	31	
155	lime	8	
196	shale	41	
333	lime	137	
383	shale	50	
417	lime	34	
429	shale	12	
437	lime	8	
443	shale	6	
453	lime	10	
467	shale	14	
484	lime	17	
489	sand	5	good odor
491	lime	2	strong odor, very good free oil
492	shale	1	
496	sand	4	
499	sand	3	
502	sand/shale	3	
565	shale	63	



CONSOLIDATED
Oil Well Services, LLC

268009

TICKET NUMBER 47169
LOCATION Ottawa, KS
FOREMAN Caray Kennedy

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
5/7/14	8553	Richardson #V-12	SE 23	18	21	MI
CUSTOMER		Vast Petroleum of Kansas LLC				
MAILING ADDRESS		10939 N. Alpine Hwy Suite 50				
CITY	STATE	ZIP CODE				
Highland	UT	84003				
JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT			
longstring	6 3/4"	565'	4 1/2"			
CASING DEPTH	DRILL PIPE	TUBING	OTHER			
557'		baffle 525'				
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING			
			32'			
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE			
8.37 bbls			5 bpm			

REMARKS: held safety meeting, established circulation, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 93 sks 50/50 Pozmix cement w/ 2% gel, 2% Calcium Chloride, + 1/4# Floseal per sk per sk, flushed pump clean, pumped 4 1/2" rubber plug to baffle w/ 8.37 bbls fresh water, cement to surface, pressured to 100 PSI, released pressure, shut in casing.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406	20 mi	MILEAGE		1085.00
5402	557'	casing footage		84.00
5407	1/2 minimum	ton mileage		184.00
5502C	1.5 hrs	80 Vac		150.00
1107	23 #	Floseal	56.81	
1124	93 sks	50/50 Pozmix cement	1069.50	
1188	356 #	Premium Gel	78.32	
1102	156 #	Calcium Chloride	121.68	
		materials	1326.31	
		-30%	397.89	
		subtotal		928.42
4404	1	4 1/2 rubber plug		47.25
			2981.64	
		7.65%	SALES TAX	74.64
			ESTIMATED TOTAL	2553.31

Ravin 3737

AUTHORIZATION No Co Rep on location 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.