

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

Thohoff V11  
 API # 15-001-31078-00-00  
 SPUD DATE 5-15-14

Footage	Formation	Thickness	Set 22' of 8 5/8" TD 1135' Ran 1127' of 4 1/2 on 5-19-14
1	Topsoil	1	
3	lime	2	
5	clay	2	
21	lime	16	
108	shale	87	
153	lime	45	
177	shale & sandy shale	24	
196	lime	19	
202	shale, sandy shale	6	
223	lime	21	
238	shale	15	
260	lime	22	
264	shale	4	
294	lime	30	
299	shale	5	
318	lime	19	
328	shale	10	
358	lime	30	
368	shale	10	
379	lime w/shale streaks	11	
380	shale	1	
384	sandy shale	4	
386	lime	2	
488	shale	102	
499	lime	11	
522	shale	23	
542	lime	20	
551	shale	9	
577	lime	26	
588	shale	11	
608	lime	20	
622	shale	14	
644	lime	22	
654	shale	10	
703	lime	49	
706	shale	3	
714	lime	8	
814	shale	100	
822	lime/sandy shale	8	
984	shale	162	
985	lime	1	
1001	sandy shale	16	
1005	sand	4	good bleed
1008	sandy shale	3	
1065	sand	57	good bleed
1077	sandy shale	12	
1080	lime	3	
1106	sandy shale	26	
1135	lime	29	

Hurricane Services, Inc.  
 104 Prairie Plaza Parkway  
 Garnett, KS 66032  
 Office # 785-448-3100  
 Toll Free # 855-718-8027



Ticket Nº 50263  
 Location \_\_\_\_\_  
 Foreman Dwayne / Joe

**Cement Service ticket**

Date	Customer #	Well Name & Number	Sec./Township/Range	County
5/19/14		Tholoff V11	5-24-19	Allen
Customer	Mailing Address	#S10	City	State Zip
Vast Petroleum Corp	10939 W Alpin Hwy		Highland Ut	84003

Job Type:

Hole Size: <u>6 7/8</u>	Casing Size: <u>4 1/2</u>	Displacement: <u>17.1</u>	Truck #	Driver
Hole Depth: <u>1135</u>	Casing Weight:	Displacement PSI:	<u>231</u>	<u>TAM</u>
Bridge Plug:	Tubing:	Cement Left in Casing:	<u>242</u>	<u>Danny</u>
Packer:	PBTD:		<u>109</u>	<u>Alex</u>
			<u>110</u>	<u>Scott</u>
			<u>111</u>	<u>Tyler</u>
			<u>25</u>	<u>Dwayne</u>

Quantity Or Units	Description of Services or Product	Pump charge	
20	Mileage		
	<u>Pump truck #231</u>	<u>\$3.25/Mile</u>	<u>65.00</u>
20	<u>Foreman Pick #25</u>	<u>1.50</u>	<u>NC</u>
156 SK	<u>OWC cement</u>	<u>17.95</u>	<u>2800.20</u>
<u>200 LBS</u>	<u>gel flush</u>		<u>100.00</u>
2 hr	<u>water truck 80 vac #111</u>	<u>84.00</u>	<u>168.00</u>
4 hr	<u>80 vac water truck #110</u>	<u>84.00</u>	<u>336.00</u>
4 hr	<u>80 vac water truck #109</u>	<u>84.00</u>	<u>336.00</u>
6500 gal	<u>Water</u>	<u>12.30/gal</u>	<u>80100.00</u>
1	<u>wireline</u>	<u>50.00</u>	<u>NC</u>
7.33 Tons	<u>Bulk Truck Minimum Charge</u>	<u>\$1.15/Mile</u>	<u>300.00</u>
1	<u>Plugs 4 1/2</u>		<u>38.00</u>
		Subtotal	<u>4977.70</u>
		Sales Tax	
		Estimated Total	

Remarks: Hook up ~~2~~ achieved circulation Pumped 10 bbl gel flush followed by 20 bbl Pad Pumped 156 SKS OWC cement + flushed Pump. Pump Plug to bottom set float shoe At 1000 psi washed up left location.  
Cement to surface. Thanks

{1 hr wait on casing}

Customer Signature \_\_\_\_\_