

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

Thohoff V22
 API # 15-001-31214-00-00
 SPUD DATE 9-17-14

Footage	Formation	Thickness	Set 21' of 8 5/8" TD 1100'
2	lime	2	
4	sand stone	2	Ran 1090' of 4 1/2 on 9-19-14
85	shale	81	
132	lime	47	
172	shale	40	
183	lime	11	
208	shale	25	
228	lime	20	
240	shale	12	
269	lime	29	
273	shale	4	
335	lime	62	
524	shale	189	Hertha
536	lime	12	
553	shale	17	
557	lime	4	
597	shale	40	
613	lime	16	
615	shale	2	
635	lime	20	
658	shale	23	
663	lime	5	
675	shale	12	
690	lime	15	
695	shale	5	
703	lime	8	
977	shale	274	
987	oil sand	10	good odor, good bleed
997	oil sand	10	good odor, light bleed
1003	oil sand	6	very light show, lots of water
1007	oil sand	4	good bleed, good odor (saturated sand)
1010	oil sand	3	light bleed
1034	oil sand	24	excellent bleed (saturated sand)
1055	shale	21	
1100	lime	45	Mississippi

Hurricane Services, Inc.
 3613 A Y Road
 Madison, KS 66860
 Office # 620-437-2661
 Brad Cell # 620-437-6765



HURRICANE SERVICES INC
 OILFIELD SERVICES
 MADISON, KANSAS

Ticket Number 100448
 Location _____
 Foreman Dwayne / Joe

Cement Service ticket

Date	Customer #	Well Name & Number	Sec./Township/Range	County
9/19/14		Thoboff U-22		Allen
Customer	Mailing Address	City	State	Zip
Vast Petro Corp				

Job Type:

Long string	1090	Truck #	Driver
Hole Size: 1100 6 3/4	Casing Size: 4 1/2	231	Tom
Hole Depth: 1106	Casing Weight: 9.5	240	Alex / Troy
Bridge Plug:	Tubing:	111	Taylor
Packer:	PBTD:	108	Jeff
		25	Dwayne / Joe

Quantity Or Units	Description of Services or Product	Pump charge	
2.5 M.	Mileage Cement Pump 231	\$3.25/Mile	790.00
2.5 M.	Foreman P.U. 25	1.5 mi	81.25
137 Sack	OWC Cement	17 ⁴⁵ / ₅₈	2459.15
200 Lb	Prem Gel Flush	.30 lb	60.00
2.5 hr	Water Truck	84 ⁰⁰ / _{hr}	210.00
2.5 hr	Water Truck	84 ⁰⁰ / _{hr}	210.00
		5% discount	
		Brad price	
6.43 Tons	Bulk Truck Bulk Delivery min charge	\$1.30/Mile	360
1	Plugs 4 1/2 Top Rubber Plug	38	38.00
		Subtotal	
		Sales Tax	
		Estimated Total	

Remarks: Hook onto casing and Establish Circulation
 Pump 10 BBl Gel Flush Followed By 25 BBl Pad
 and Start cement Pump Sacks stop and Flush Pump
 Then Pump wiper Plug to Bottom and Set Float shoes