

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

Werts #I-6  
API # 15-045-22210-00-00  
SPUD DATE 05-13-14

Footage	Formation	Thickness	Set 40' of 7"
2	topsoil	2	TD 805'
10	clay	8	Ran 800' of 2 7/8 on 05-14-14
98	shale	88	
131	lime	33	
138	shale	7	
146	lime	8	
154	shale	8	
174	lime	20	
205	shale	31	
235	lime	30	
287	shale	52	
305	lime	18	
317	shale	12	
334	lime	17	
375	shale	41	
404	lime	29	
412	shale	8	
453	lime	41	
597	shale	144	
600	lime	3	
605	shale	5	good bleed
608	oil sand	3	
617	shale	9	
630	lime	13	
636	shale	6	
641	lime	5	
718	shale	77	
726	oil sand	8	good odor, strong bleed
729	sandy shale	3	good odor, little show
805	shale	76	



**CONSOLIDATED API**  
Oil Well Services, LLC

268173  
15-045-22210

TICKET NUMBER 47220  
LOCATION Ottawa  
FOREMAN Alan Made

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
5-14-14	5700	Wen 72 T. 6	SW 6	14	21	D6

CUSTOMER  
Magnum Exploration  
MAILING ADDRESS  
8768 Co. Rd. 262  
CITY  
Clyde STATE  
Tx ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
730	Alc Mad	Safety	Meat
368	Al Mad		
369	M:K Haq		
348	Mat Coc		

JOB TYPE log string HOLE SIZE 3 7/8 HOLE DEPTH 803 CASING SIZE & WEIGHT 2 7/8  
CASING DEPTH 800 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
DISPLACEMENT 4.65 DISPLACEMENT PSI 800 MIX PSI 200 RATE 46pm

REMARKS: Held meeting. Established rate. Mixed + pumped 100# gel to flowed by 1275k 50/50 cement plus 2% gel 2% calcium 1/4# flo seal per sack. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI for 30 minute MIT. Set float. closed valve.

HAT, Eric

*Alan Made*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085 <sup>00</sup>
5406	25	MILEAGE	368	105 <sup>00</sup>
5402	800	casing footage	368	—
5407	min	ten miles	348	368 <sup>00</sup>
5502C	2	80 vac	369	200 <sup>00</sup>
1124	127	50/50 cement	1460.50	
1118B	313 #	gel	68.86	
1107	32 #	flo seal	79.04	
1102	213 #	calcium	166.14	
		Material sub	1774.54	
		less 30%	-532.36	
		material total		1242.18
4402	1	2 1/2 plug		29.00
			3691.03	
		SALES TAX		90.93
		ESTIMATED TOTAL		3120.61

Ravin 3737

NO company rep

AUTHORIZATION Jim Old, call 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