

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

Werts #9
 API # 15-045-22208-00-00
 SPUD DATE 05-9-14

Footage	Formation	Thickness	Set 40' of 7"
2	topsoil	2	TD 807'
18	sandy clay	16	Ran 803' of 2 7/8 on 05-12-14
99	shale	81	
133	lime	34	
139	shale	6	
146	lime	7	
155	shale	9	
174	lime	19	
204	shale	30	
237	lime	33	
277	shale	40	
285	lime	8	
296	shale	11	
313	lime	17	
333	shale	20	
340	lime	7	
354	shale	14	
460	lime	106	
600	shale	140	
605	red bed	5	
617	shale	12	
620	lime	3	
628	shale	8	
634	lime	6	
668	shale	34	
672	lime	4	
728	shale	56	
736	oil sand	8	good odor, good bleed
738	sandy/shale	2	70% shale, 30% sand slight
807	shale	69	



CONSOLIDATED
Oil Well Services, LLC

268108

TICKET NUMBER 47199

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
5-12-11	5700	Wells # 9	SW 6	14	21	DG
CUSTOMER Magnum Resources LLC		EYPL HS				
MAILING ADDRESS 8769 County Rd 262						
CITY Clyde	STATE Ks	ZIP CODE 67510				

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Har Dec		
675	Ki Det		
548	Max Coc		

JOB TYPE hang string HOLE SIZE 5 7/8 HOLE DEPTH 807' CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 802.55 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
 DISPLACEMENT 4.66 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix Pump 100# Gel Flush. Mix + Pump 138 sks 50/50 Por Mix Cement 270 Gal 270 Calcium Chloride 1/4# Flo Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

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	802.55	Casing footage		N/C
5407	Minimum	Ten Miles	548	368 ⁰⁰
5502C	2 hrs	80 BBC Vac Truck	675	200 ⁰⁰
1124	138 sks	50/50 Por Mix Cement	1587 ⁰⁰	
1118B	332#	Premium Gel	73.04	
1102	232#	Calcium Chloride	180.25	
1107	35#	Flo Seal	86.36	
		Material	1927.45	
		Less 30%	- 578.23	
41402	1	2 1/2" Rubber Plug		1349.22
				295 ⁰⁰
			3875.87	

Flavin 3737

AUTHORIZATION

[Signature]

TITLE

ENG

7.15% SALES TAX

ESTIMATED TOTAL

3256³⁰

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.