

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

Thrasher #3
 API # 15-045-22214-00-00
 SPUD DATE 05-07-14

Footage	Formation	Thickness	Set 40' of 7"
2	topsoil	2	TD 805'
24	sand stone	22	Ran 799' of 2 7/8 on 05-08-14
53	shale	29	
80	sand(brn)	27	
85	shale	5	
88	lime	3	
99	shale	11	
114	sand(brn)	15	
133	lime	19	
138	shale	5	
145	lime	7	
158	shale	13	
179	lime	21	
211	shale	32	
224	lime	13	
258	shale	34	
260	lime	2	
301	shale	41	
306	lime	5	
327	shale	21	
337	lime	10	
352	shale	15	
368	lime	16	
375	shale	7	
409	lime	34	
417	shale	8	
438	lime	21	
448	shale	10	
458	lime	10	
720	shale	262	Hertha
725	oil sand	5	good odor, strong bleed
805	shale	80	80% shale, little show, little odor



CONSOLIDATED
Oil Well Services, LLC

268016

TICKET NUMBER 47183
LOCATION Ottawa, KS
FOREMAN Fred Mader

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
5-8-14	5700	Thrasher #3	SW 35	13	20	DG

CUSTOMER Magnum 2 Exploration KS LLC
MAILING ADDRESS 8768 County Rd 262
CITY Clyde STATE TX ZIP CODE 79510

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Har Ber		
675	Kei Det		
503	Kei Car		

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 809 CASING SIZE & WEIGHT 2 1/8 EUE
CASING DEPTH 799 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
DISPLACEMENT 4.65 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix Pump 100# Gel Flush. Mix + Pump 140 SKS 50/50 Poz Mix Cement 2% Gel 2% Calcium Chloride 1/4" Flo Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to casing. Th. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

Hart
Hart Drilling - B&B Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	25 mi	MILEAGE	455 ⁰⁰	105 ⁰⁰
5402	799	Casing footage		Nil
5407	Minimum	Tom Miles	503	368 ⁰⁰
55020	2 hrs	80 BBL Vac Truck	675	200 ⁰⁰
1124	140 SKS	50/50 Poz Mix Cement	1610 ⁰⁰	
1118B	336 ⁰⁰	Premium Gel	73 ⁹²	
1102	236 ⁰⁰	Calcium Chloride	184 ⁰⁸	
1107	35 ⁰⁰	Flo Seal	86 ⁴⁵	
		Material	1954 ⁴⁵	
		Less 30%	- 586 ³³	
		Total		1368 ¹²
4402	1	2 1/2" Rubber Plug		29 ⁵⁰
			3883.81	

Ravin 3737

AUTHORIZATION

[Signature]

TITLE

[Signature]

DATE

7.15%

SALES TAX

99⁹⁴

ESTIMATED

TOTAL

3255⁵⁵

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.