

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

Hadl #I-2
API # 15-045-22049-00-00
SPUD DATE 12-18-13

Footage	Formation	Thickness	Set 44' of 7"
2	Topsoil	2	TD 825'
6	clay	4	Ran 819' of 2 7/8 on 12-19-13
8	lime	2	
15	sand stone	7	
70	shale	55	
76	sand	6	
89	shale	13	
117	sand	28	
119	shale	2	
154	sand	35	
176	lime	22	
181	shale	5	
187	lime	6	
201	shale	14	
223	lime	22	
256	shale	33	
273	lime	17	
277	shale	4	
308	lime	31	
338	shale	30	
350	lime	12	
371	shale	21	
383	lime	12	
399	shale	16	
413	lime	14	
419	shale	6	
450	lime	31	
458	shale	8	
498	lime	40	
646	shale	148	
648	lime	2	
665	shale	17	
668	lime	3	
685	shale	17	
692	lime	7	
705	shale	13	
709	lime	4	
747	shale	38	
760	lime	13	
766	sand	6	great show
768	sandy shale	2	odor
771	sand	3	great show
825	shale	54	



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 44963

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-19-10		Hadl # I-2	NW 36	13	20	DG

CUSTOMER	MAILING ADDRESS	CITY	STATE	ZIP CODE
Magnum Exploration Kansas LLC	2712 Willow Creek Ct	Bedford	Tx	76021

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mader		
495	Har Ber		
370	Kei Cor		
558	Max Coc		

JOB TYPE Logstring HOLE SIZE 5 7/8 HOLE DEPTH 925' CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 819 DRILL PIPE Baffle in TUBING 2 7/8 OTHER _____
 SLURRY WEIGHT 15th PG SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31 x Plug
 DISPLACEMENT 4.58 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix & Pump 100# Gel Flush. 1 Mix & Pump. 135 SKS 50/50 Por 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 baffle in casing. Pressure to 800* PSI. Hold & Monitor pressure for 30 min MIT. Release pressure to set float valve. Shut in casing.

Next Drilling

Fred Mader

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	819	Casing footage		NK
5407	Minimum	Ten Miles	558	368 ⁰⁰
5502c	2 hrs	80 BBL Vac Truck	370	180 ⁰⁰
1124	135 SKS	50/50 Por Mix Cement		1552 ⁵⁰
1118B	327 #	Premium Gel		71 ⁹⁹
1102	227 #	Calcium Chloride		177 ⁰⁰
1107	34 #	Flo Seal		83 ⁹⁸
4402	1	2 1/2" Rubber Plug		29 ⁵⁰
			7.15%	SALES TAX
				ESTIMATED TOTAL
				136 ⁹²
				3810 ²⁰

SCANNED

Revin 3737

AUTHORIZATION _____ 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.