

HUGHES DRILLING REPORT

Well No. 2-I Size 7"
Farm Brown Feet 351
Circulated 16 sx cement

PERMANENT CSG (New)
Size 2 7/8 Bnd ELE
Feet 911.5 of pipe
Bottle at 883.5 float shoe on bottom
T. D. at Completion 920'
Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

2840 FSL 2120 FEL
API # 15-01-24343

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
8-13-14	0	3	Soil	① 21.5-21.5
35	3	27	Clay	② 22.5-44.0
8/14/14	27	43	Shale	③ 22.5-66.5
"	43	67	lime	④ 22.5-89.0
5 7/8 POC	67	75	shale	⑤ 22.5-111.5
	75	84	lime	⑥ 22.5-134.0
	84	89	shale	⑦ 22.5-156.5
	89	108	Lime	⑧ 22.5-179.0
	108	135	shale (lamina w/sand)	⑨ 22.5-201.5
	135	159	lime	⑩ 22.5-224.0
	159	182	shale	⑪ 22.5-246.5
	182	194	lime	⑫ 22.5-269.0
	194	222	shale	⑬ 22.5-291.5
	222	231	lime	⑭ 22.5-314.0
	231	239	shale	⑮ 22.5-336.5
	239	250	lime	⑯ 22.5-359.0
	250	265	shale	⑰ 22.5-381.5
	265	277	lime (BRK @ 265-271)	⑱ 22.5-404.0
	277	283	shale	⑲ 22.5-426.5
	283	290	lime	⑳ 22.5-449.0
	290	332	shale (lime 320-322)	㉑ 22.5-471.5
30'	332	355	lime	㉒ 22.5-494.0
	355	361	shale (slate 355-356)	㉓ 22.5-516.5
20'	361	385	lime	㉔ 22.5-539.0
	385	390	shale (slate 385-386)	㉕ 22.5-561.5
	390	392	lime	㉖ 22.5-584.0
	392	396	shale	㉗ 22.5-606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	soil	3
24	clay	27
16	shale	43
24	lime	67
8	shale	75
9	lime	84
5	shale	89
19	lime	108
27	shale	135
24	lime	159
23	shale	182
12	lime	194
28	shale	222
4	lime	231
8	shale	239
11	lime	250
15	shale	265
12	lime	277
6	shale	283
7	lime	290
42	shale	332
30'	23 lime	355
	6 shale	361
20'	24 lime	385
	5 shale	390
	2 lime	392
	4 shale	396
	7 lime	403
	169 shale	572
	4 lime	581
	4 shale	585
	4 lime	589
	6 shale	595
	8 lime	603
	13 shale	616
	3 lime	619
	11 shale	630
	6 lime	636
	18 shale	654
	10 lime	664
	47 shale	711



CONSOLIDATED
Oil Well Services, LLC

270520

TICKET NUMBER 48045
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
8-15-14	3425	Braun # 21-1	SE 36	14	21	JO
CUSTOMER Nughes Drilling			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 122 N. Main			712	Fred Mad		
CITY Wellsville			368	Ar1 McD		
STATE KS			510	Dus Web		
ZIP CODE 66092						

JOB TYPE Longstring HOLE SIZE 5 5/8 HOLE DEPTH 920 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 911 DRILL PIPE Baffle TUBING @ 883 OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 28' Plug
DISPLACEMENT 5.13B DISPLACEMENT PSI _____ MIX PSI _____ RATE 4BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix & Pump 100# Gel Flush. Mix & Pump 132 SKS 50/50 Por Mix Cement 2 7/8 Cbl 44# Flo Seal/sk. Cement to Surface. Flush pump & lines clean. Displace 2 1/2" Rubber Plug to waffle in casing. Pressure to 800# PSI. Hold & Monitor Pressure for 30 Min MIT. Release pressure to set float valve.

Rig Supplied H₂O.
ACC Rep: Taylor Herman

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085 ⁰⁰
5426	30 mi	MILEAGE	368	126 ⁰⁰
5402	911	Casing footage		N/C
5407	Minimum	Ten Miles	510	368 ⁰⁰
1124	132 SKS	50/50 Por Mix Cement	1515 ⁰⁰	✓
1118B	322#	Premium Gel	70 ⁰¹	✓
1107	33#	Flo Seal	81 ⁰¹	✓
		Material	1670 ³⁵	
		Less 30%	-501 ¹¹	✓
		Total		11693 ³⁴
4402	1	2 1/2" Rubber Plug		295 ⁰⁰
			3404.21	
		7.375%	SALES TAX	88 ⁴⁰
			ESTIMATED TOTAL	2866 ¹⁴

Ravin 3737

AUTHORIZATION Chery 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.