

HUGHES DRILLING REPORT

SURFACE CASING
 Well No. 25 I Size 7
 Farm BROWN Feet 35
 Circulated 12 ex cement

PERMANENT CSG.
 Size 2 7/8" 8rd EDE (new)
 Feet 933.65' - Float shoe
 Baffle - 905.40
 T. D. at Completion 942'
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
11/5/14	0	3	SOIL	1) 21.5-21.5
35'	3	31	clay	2) 22.5-44.0
11/6/14	31	49	shale	3) 22.5-66.5
55'	49	74	lime	4) 22.5-89.0
74	82	92	shale (slate 74-75) (slate 81-82)	5) 22.5-111.5
	82	92	lime	6) 22.5-134.0
	92	96	shale	7) 22.5-156.5
	96	115	lime	8) 22.5-179.0
	115	137	shale (Red Bed 117-119)	9) 22.5-201.5
	137	163	lime	10) 22.5-224.0
	163	191	shale (sandy 167-171)	11) 22.5-246.5
	191	203	lime	12) 22.5-269.0
	203	230	shale	13) 22.5-291.5
	230	239	lime	14) 22.5-314.0
	239	245	shale	15) 22.5-336.5
	245	250	lime	16) 22.5-359.0
	250	274	shale	17) 22.5-381.5
	274	282	lime	18) 22.5-404.0
	282	291	shale	19) 22.5-426.5
	291	296	lime	20) 22.5-449.0
	296	338	shale (lime 328-329)	21) 22.5-471.5
30'	338	364	lime	22) 22.5-494.0
	364	369	shale (slate 364-365)	23) 22.5-516.5
20'	369	393	lime	24) 22.5-539.0
	393	397	shale (slate 393-394)	25) 22.5-561.5
	397	401	lime	26) 22.5-584.0
	401	405	shale	27) 22.5-606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	soil	3
28	clay	21
18	shale	49
25	lime	74
8	shale	82
10	lime	92
4	shale	96
19	lime	115
22	shale	137
26	lime	163
28	shale	191
12	lime	203
27	shale	230
9	lime	239
6	shale	245
11	lime	256
18	shale	274
12	lime	282
9	shale	291
5	lime	296
42	shale	338
30'	26	lime 364
	5	shale 369
20'	24	lime 393
	4	shale 397
	4	lime 401
	4	shale 405
Hecton	6	lime 411
	172	shale 583
	10	lime 593
	8	shale 601
	9	lime 610
	13	shale 623
	5	lime 626
	16	shale 642
	3	lime 645
	35	shale 680
	1	lime 681
	40	shale 721
	2	lime 723
	17	shale 760

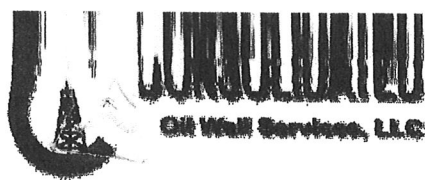
HUGHES DRILLING REPORT

Well No. 25-J Size..... Size.....
 Farm Brown Feet..... Feet.....
 Circulated _____ sx cement
 OPERATOR Hughes Drilling
 T. D. at Completion 942'
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	lime	773
93	shale	866
9	oil sand	875
67	shale	942
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
<u>11-7-14</u>	<u>405</u>	<u>411</u>	<u>lime</u>	<u>(28) 22.5-629.0</u>
	<u>411</u>	<u>583</u>	<u>shale (BRK 414-417)</u>	<u>(29) 22.5-651.5</u>
	<u>583</u>	<u>593</u>	<u>lime</u>	<u>(30) 22.5-674.0</u>
	<u>593</u>	<u>601</u>	<u>shale</u>	<u>(31) 22.5-696.5</u>
	<u>601</u>	<u>610</u>	<u>lime</u>	<u>(32) 22.5-719.0</u>
	<u>610</u>	<u>623</u>	<u>shale</u>	<u>(33) 22.5-741.5</u>
	<u>623</u>	<u>626</u>	<u>lime (Brown)</u>	<u>(34) 22.5-764.0</u>
	<u>626</u>	<u>642</u>	<u>shale (slate (27-228) (BRK 634-637)</u>	<u>(35) 22.5-786.5</u>
	<u>642</u>	<u>645</u>	<u>lime</u>	<u>(36) 22.5-809.0</u>
	<u>645</u>	<u>680</u>	<u>shale (red bed 646-649)</u>	<u>(37) 22.5-831.5</u>
	<u>680</u>	<u>681</u>	<u>lime</u>	<u>(38) 22.5-854.0</u>
	<u>681</u>	<u>721</u>	<u>shale</u>	<u>(39) 22.5-876.5</u>
	<u>721</u>	<u>723</u>	<u>lime</u>	<u>(40) 22.5-899.0</u>
	<u>723</u>	<u>773</u>	<u>shale</u>	<u>(41) 22.5-921.5</u>
	<u>773</u>	<u>866</u>	<u>lime (some red bed 794-796)</u>	
	<u>866</u>	<u>875</u>	<u>shale (lime break 841)</u>	
<u>11-7-14</u>	<u>875</u>	<u>942</u>	<u>oil sand (Remarks pg. 3)</u>	
<u>11-7-14</u>			<u>shale (lime break 880) (lime break 908)</u>	
			T.D.	
<u>11-7-14</u>			<u>set 933.65 of 2 1/8" 8' EUG (new)</u>	
			<u>Baffle at 905.40 float shoe on bottom</u>	
			<u>used 3 centralizers</u>	

LD
 T.D. 897
 pulled 4 sts 9 sts on trailer



ON Well Services, LLC

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

Invoice # 802008

LOCATION Ottawa
FOREMAN Alan Made

960

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-7-14	3425	Braun 25-F	NE 36	14	21	50
CUSTOMER Hughes Drilling			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 122 Main			730	Alameda	547	Safety Meet
CITY STATE ZIP CODE Wellsville KS 66092			368	Art McD		
			503	Tru Harl		
			Hughes	H2D		

JOB TYPE log string HOLE SIZE 5 5/8 HOLE DEPTH 942 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 933.65 DRILL PIPE _____ TUBING _____ OTHER 67905.90
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 5.26 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 128 sk 50/50 cement plus 2# gel & 1/4# flo seal per sack. Circulated cement. Flushed pump. pumped plug to baffle. Well held 800 PSI for 30 minute MIT. Set float.

Hughes Drilling

Alan Made

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	30	MILEAGE	368	126.00
5402	933.65	casing footage	368	
5407	min	non miles	503	368.00
1124	128	50/50 cement	1472.00	
118B	315 #	gel	69.30	
1107	32 #	flo seal	79.04	
		material sub	11620.34	
		less 30% -	496.10	
		material total		11340.00
4402	1	2 1/2 plug		29.50
				3350.52
			SALES TAX	85.81
			ESTIMATED TOTAL	2828.58

completed

Revin 9737

AUTHORIZATION Clay 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.