

HUGHES DRILLING REPORT

Well No. N. McMiller Size 7"
 Farm # 17 Feet 30'
 Circulated 9 sx cement

PERMANENT CSG.
 Size plugged well
 Feet.....
 T. D. at Completion 748
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
21	Clay	24
16	Shale	40
5	Lime	45
4	Shale	49
15	Lime	64
7	Shale	71
10	Lime	81
8	Shale	89
17	Lime	106
40	Shale	146
30	Lime	176
64	Shale	240
21	Lime	261
18	Shale	279
6	Lime	285
28	Shale	313
9	Lime	322
7	Shale	329
3	Lime	331
15	Shale	346
30'	23 Lime	369
8	Shale	377
20	24 Lime	401
4	Shale	405
3	Lime	408
2	Shale	410
"Hertth"	60 Lime	416
112	Shale	528
5	Gr. sand	532
40	Shale	572
4	Gr. sand	576
7	Shale	583
11	Lime	594
10	Shale	604
3	Lime	607
5	Shale	612
9	Lime	621
12	Shale	633
	Lime	636
	Shale	641

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/14/14	0	3	soil	(1) 21.5-21.5
30'	3	24	clay	(2) 22.5-44.0
7/15/14	24	40	Shale	(3) 22.5-66.5
5 5/8	40	45	Lime	(4) 22.5-89.0
PDC	45	49	Shale	(5) 22.5-111.5
Bit	49	64	Lime	(6) 22.5-134.0
	64	71	Shale	(7) 22.5-156.5
	71	81	lime	(8) 22.5-179.0
	81	89	Shale	(9) 22.5-201.5
	89	106	Lime	(10) 22.5-224.0
	106	146	Shale (sdy)	(11) 22.5-246.5
	146	176	Lime	(12) 22.5-269.0
	176	240	Shale (lime break 186)	(13) 22.5-291.5
	240	261	Lime	(14) 22.5-314.0
	261	279	Shale	(15) 22.5-336.5
	279	285	Shale Lime	(16) 22.5-358.0
	285	313	Shale	(17) 22.5-381.5
	313	322	Lime	(18) 22.5-404.0
	322	329	Shale	(19) 22.5-426.5
	329	331	Lime	(20) 22.5-449.0
	331	346	Shale	(21) 22.5-471.5
30'	346	369	Lime	(22) 22.5-494.0
	369	377	Shale (slate 376-377)	(23) 22.5-516.5
20	377	401	Lime	(24) 22.5-539.0
	401	405	Shale (slate 404-405)	(25) 22.5-561.5
	405	408	Lime	(26) 22.5-584.0
	408	410	Shale	(27) 22.5-606.5

HUGHES DRILLING REPORT

Well No. #17
Farm (N. McMillen)
SURFACE CASING
Size
Feet
Circulated _____ sx cement

PERMANENT CSG.
Size: plugged well
Feet:
T. D. at Completion 748
Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
4	Lime	650
13	Shale	663
7	Lime	670
3	Shale	673
#1 sq. 10	Lt Br Sand	683
40	Shale	723
1	Lime	724

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
"Horn"	410	416	Lime	(28) 22.5-629.0
	416	528	Shale (BRKN 420-424) (sdy 459-474)	(29) 22.5-651.5
"Peru"	528	532	Gray sand (No show)	(30) 22.5-674.0
	532	572	Shale (BRKN 563-570)	(31) 22.5-696.5
"W-side"	572	576	Gray sand (some Bleeding)	(32) 22.5-719.0
	576	583	Shale	(33) 22.5-741.5
	583	594	Lime	
	594	604	Shale	
	604	607	Lime	
	607	612	Shale (slate 611-612)	
	612	621	Lime	
	621	633	Shale	
	633	636	Lime (Brown)	
	636	641	Shale (slate 636-637)	
	641	650	Lime	
	650	663	Shale	
	663	670	Lime	
	670	673	Shale	
#1 Squirrel	673	683	Lt Brown sand (Very Lamin) (Gray Sdy Lime)	(675-678)
	683	723	Shale (Lime Break 692) (Lime break 714) (Lime Break 720)	
	723	724	Sdy Lime	
#2 Squirrel	724	726	Broken sand (oil trace)	
	726	741	Shale	
#3 Squirrel	741	742	Broken sand (oil trace)	
	742	748	Shale	
			T.D.	

#2 sq. 2	sand	726
15	Shale	741
#3 sq. 1	BRKN Sand	742
6	Shale	748
		T.D.

7/16/14 - Plugged Hole (consolidated Oilwell service,
75' plug at T.D. - 748
50' plug at 585'
50' plug at 425'
Cement from 250' to surface



CONSOLIDATED
Oil Well Services, LLC

269743

TICKET NUMBER 47434
LOCATION Ottawa, KS
FOREMAN Jim Green

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
07-16-14	3425	417 N McMullen	2	16	20	FR

CUSTOMER Hughes Drilling
MAILING ADDRESS 122 Main
CITY Wellsville STATE Ks. ZIP CODE 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
669	Jim Lane		
666	Ket Car		
803	Mik Fox		
Hughes	H2O		

JOB TYPE Plug Job HOLE SIZE 5 7/8" HOLE DEPTH 778 CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Held crew meeting. Established circulation mix and pump 155k 50% Poz mix Cement 6% Gel. Pump down drill steel to TD. Pulled Drill steel up to 585' mix and pump 105k 50% Cement. Pull drill steel up to 425' mix and pump 105k Cement. Pull drill steel up to 250'. Mix and pump 50% circulated to surface. Pull drill steel. Trip well back to surface 55 sk.

80sk Total Customer Supply H2O

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE Cement pump 666		1085 ⁰⁰
5406	15	MILEAGE Cement Pump 666		63 ⁰⁰
5407	mix	Ton mileage		368 ⁰⁰
		Customer Supply H2O		N/A
1124	80sk	50% Poz Mix Cement	920 ⁰⁰	
1118B	403	Premium Gel	88 ⁰⁰	
		sub-total	1008 ⁰⁰	
		less 30%	- 302 ⁰⁰	
		Total		760 ⁰⁰
			2601.82	
		SALES TAX		54.01
		ESTIMATED TOTAL		2276.00

Form 3737

AUTHORIZATION [Signature] 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.