

HUGHES DRILLING REPORT

Well No. #1-3
 Farm N. McMillen
 SURFACE CASING Size 7"
 Feet 30'
 Circulated 9 sx cement

PERMANENT CSG.
 Size 2 7/8" rd EUE New
 Feet 713.70 of pipe
 B. P.C. at 713.70
 Float shoe on bottom 755'
 T. D. at Completion
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
23	Clay	26
15	Shale	41
23	Lime	64
6	shale	70
10	lime	80
6	shale	86
20	lime	106
38	Gr sand	144
31	lime	175
63	shale	238
22	lime	260
19	shale	279
6	lime	285
27	shale	312
11	lime	323
22	shale	345
30'	25	lime 370
8	shale	378
20'	29	lime 402
4	shale	406
3	lime	409
3	shale	412
6	lime	418
155	shale	573
3	Gr. sand	576
12	shale	588
6	lime	594
7	shale	603
4	lime	607
9	shale	616
8	lime	624
13	shale	637
3	lime	640
4	shale	644
11	lime	655
12	shale	667
3	lime	670
	shale	678
	oil sand	697
	shale	710

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/3/14	0	3	Soil	1 21.5-21.5
30'	3	26	Clay	2 22.5-44.0
7/7/14	26	41	Shale	3 22.5-66.5
55/8	41	64	Lime	4 22.5-89.0
PDL	64	70	shale - (slate 69-70)	5 22.5-111.5
131	70	80	Lime	6 22.5-134.0
	80	86	shale	7 22.5-156.5
	86	106	lime (sandy)	8 22.5-179.0
	106	144	Gray sand	9 22.5-201.5
	144	175	lime	10 22.5-224.0
	175	238	shale (sdy lime 187-188)	11 22.5-246.5
	238	260	lime	12 22.5-269.0
	260	279	shale (BRKN 276-279)	13 22.5-291.5
	279	285	lime	14 22.5-314
	285	312	shale	15 22.5-336.5
	312	323	lime	16 22.5-359.0
	323	345	shale (lime Break 329-330)	17 22.5-381.5
30'	345	370	lime	18 22.5-404.0
	370	378	shale (slate 377-378)	19 22.5-426.5
20'	378	402	lime	20 22.5-449.0
	402	406	shale (slate 405-406)	21 22.5-471.5
	406	409	lime	22 22.5-494.0
	409	412	shale	23 22.5-516.5
"Herthum"	412	418	lime	24 22.5-539.0
	418	573	shale (BRKN 421-424) (BRKN 508-581)	25 22.5-561.5
	573	576	Gray sand (Bleeding 573-574)	26 22.5-584.0
	576	588	shale	27 22.5-606.5

HUGHES DRILLING CO.

PS.

Wellsville, Kansas 66092

Roger 913-883-2235
Darrel 913-883-4027

CORE TIME
LEASE N. McMiller #T-3
FORMATION #1 SQUIRREL
DATE: 7-7-14

Ron 913-883-4855
Clay 913-883-4883

~~Chip~~ Chip Sample

FROM	FEEET TO	TIME	MINUTES	REMARKS
678	679	}		solid sand (bleeding)
679	680			
680	681	}	680-684	solid sand (exc. bleed)
681	682			
682	683			
683	684			
684	685	-		sand very lamin. w/shale (bleeding)
685	686	-		sand lamin. w/shale (bleeding)
686	687	}		solid sand (exc. bleed) 686-688
687	688			
688	689	}		sand slightly lamin. w/shale (bleeding)
689	690			
690	691			
691	692	}		sand very lamin. w/shale (some bleed, Best Perf Zone 681-691 ecc)
692	693			
693	694			
694	695			
695	696			
696	697			
697	698			

PS-4

HUGHES DRILLING CO.

Wellsville, Kansas 66092

Roger 913-883-2235
Darrel 913-883-4027

Ron 913-883-4655
Clay 913-883-4303

CORE TIME
LEASE N. McMillen #I-3
FORMATION #2 squirrel
DATE: 7-7-14

~~chip sample~~

FROM	FEET TO	TIME	MINUTES	REMARKS
729	730	-		sandy lime
730	731			} solid lt. brown sand (oil trace)
731	732			
732	733			
733	734			} solid sand (bleeding)
734	735			
735	736			} sand lamin. w/shale (bleeding)
736	737			
737	738			} sand very lamin. w/shale (some bleed)
738	739			
		-		shale
				(No Coal) w/ H W/ H



CONSOLIDATED
Oil Well Services, LLC

269705

TICKET NUMBER 47457

LOCATION Ottawa

FOREMAN Alan Mack

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
7-9-14	3425	N. McMillen # 7:3	SE 2	16	20	FR

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Hughes Drilling MAILING ADDRESS 122 Main CITY Wellsville STATE KS ZIP CODE 66092	730	Alan Mack	Safety	Meet
	368	Art McD		
	510	Dus Webb		

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 755 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 743.7 DRILL PIPE _____ TUBING _____ OTHER bf 718.4
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 4.17 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 91 sk 50/50 cement plus 1/2# Pheno seal and 2% gel per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI for 30 minute MIT. Set float.

Hughes Drilling & Water.

Alan Mack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	15	MILEAGE	368	6300
5402	743.7	casing footage	368	
5407	min	ten miles	510	368.00
1124	91	50/50 Cement	1046.50	
1118B	253	gel	55.66	
1107A	46#	Pheno seal	62.10	
		material sub	1164.26	
		less 3006	- 349.28	
		material total		814.98
4402	1	2 1/2 plug		29.50
			289.08	
		SALES TAX		64.61
		ESTIMATED TOTAL		2425.09

Ravin 3737

AUTHORIZATION *Alan Mack* 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 for