

Fr. Co., Kansas
2475 FSL 165 FEL

HUGHES DRILLING REPORT

Well No. #10
Farm # McMillen
SURFACE CASING Size 7"
Feet 28.55
Circulated 7 ex cement

PERMANENT CSG.
Size 2 3/8" 80# EOE (New)
Feet 753' of pipe
Baffle cut 724'
Float shoe at bottom
T. D. at Completion 762'

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

API # 15-059-26634

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	soil	3
22	clay	25
15	shale	40
24	lime	64
7	shale	71
10	lime	81
7	shale	88
17	lime	105
42	shale	147
35	lime	182
59	shale	241
22	lime	263
11	shale	274
11	lime	285
27	shale	312
9	lime	321
9	shale	330
2	lime	332
14	shale	346
30'	24 lime	370
8	shale	378
20'	23 lime	401
4	shale	405
3	lime	408
3	shale	411
"Hcftm"	5 lime	416
113	shale	529
4-10"	3 sand	532
54	shale	586
9	lime	595
6	shale	601
8	lime	609
7	shale	616
6	lime	622
13	shale	635
3	lime	638
5	shale	643
9	lime	652
13	shale	665
5	lime	670
2	shale	672

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/19/14	0	3	soil	(1) 21.5-21.5
23'	3	25	clay	(2) 22.5-44.0
6/24/14	25	40	shale	(3) 22.5-66.5
SSA ODC Bit	40	64	lime	(4) 22.5-89.0
	64	71	shale	(5) 22.5-111.5
	71	81	lime	(6) 22.5-134.0
	81	88	shale	(7) 22.5-156.5
	88	105	lime	(8) 22.5-179.0
	105	147	shale (slip) (124-147)	(9) 22.5-201.5
	147	182	lime	(10) 22.5-224.0
	182	241	shale	(11) 22.5-246.5
	241	263	lime	(12) 22.5-269.0
	263	274	shale	(13) 22.5-291.5
	274	285	lime	(14) 22.5-314.0
	285	312	shale	(15) 22.5-336.5
	312	321	lime (slight odor)	(16) 22.5-359.0
	321	330	shale	(17) 22.5-381.5
	330	332	lime	(18) 22.5-404.0
	332	346	shale	(19) 22.5-426.5
30'	346	370	lime	(20) 22.5-449.0
	370	378	shale (slate 371-372)	(21) 22.5-471.5
20'	378	401	lime	(22) 22.5-494.0
	401	405	shale (slate 404-405)	(23) 22.5-516.5
	405	408	lime	(24) 22.5-539.0
	408	411	shale	(25) 22.5-561.5
"Hcftm"	411	416	lime	(26) 22.5-584.0
	416	529	shale (BRKN 420-423)	(27) 22.5-606.5

HUGHES DRILLING REPORT

Fris Co., Kansas
 2475 FSL 165 FEL
 API # 15-059-26634

Well No. #10
 Farm McMillen
 SURFACE CASING Size _____ Feet _____
 Circulated _____ ex cement

PERMANENT CSG.
 Size 2 7/8 8rd EVE (new)
 Feet 753.50 of pipe
 Baffle at 724
 Float shoe on bottom
 T. D. at Completion 762
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Gas sand	675
14	oil sand	689
30	shale	725
2	gray sandy lime	727
2	sand	749
13	shale	742
2	sand	744
18	shale	762
		T.D.

DATE	DRILLED		REMARKS -- TYPE WORK -- BILLING REF.	PIPE TALLY
	FROM	TO		
'P.C.U.'	529	532	(sand no show)	(28) 22.5 - 629.0
	532	586	shale (BRK) 571-576)	(29) 22.5 - 651.5
	586	595	Lime	(30) 22.5 - 674.0
	595	601	shale	(31) 22.5 - 696.5
	601	609	Lime	(32) 22.5 - 719.0
	609	616	shale	(33) 22.5 - 741.5
	616	622	Lime (BRK)	
	622	635	shale	
	635	638	Lime (Brown)	
	638	643	shale (slate 638-639)	
	643	652	lime	
	652	665	shale	
	665	670	lime	
	670	672	shale	
	6-25-14 #1 squirrel	672	675	Gas sand
675		689	oil sand (REMARKS pg 3)	
689		725	shale (Lime Break 713)	
725		727	Gray Sandy Lime	
727		729	sand (Brown oil trace)	
729		742	shale	
742		744	Broken sand (oil show)	
744		762	shale	
			T.D.	
6/25/14			set 753.50 of 2 7/8 8rd EVE (new) Baffle at 724.50 Float shoe at 753.50 used 3 centralizers	

HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

Ron 913-883-4655
Clay 913-883-4383

CORE TIME
LEASE N. McMillen #10
FORMATION #1 squirrel
DATE: 6-24-14

~~2 3/4~~ 3" shave Bit

FROM	FEET TO	TIME	MINUTES	REMARKS
672	675	-		gas sand
675	676			Solid sand (bleeding oil)
① 676	677	3:45:00 - 3:45:45	:45	} solid Gas Sand oiling
② 677	678	3:46:45	1:00	
③ 678	679	3:47:30	:45	} sand very lamin w/shale some Bl
④ 679	680	3:48:30	1:00	
⑤ 680	681	3:49:30	1:00	} shale 679-680.5
⑥ 681	682	3:50:15	:45	
⑦ 682	683	3:51:00	:45	} 680.5-681.5 solid sand (blee)
⑧ 683	684	3:52:00	1:00	
⑨ 684	685	3:52:45	:45	} 681.5-684.5 sdy shale with scattered thin strips of sand
⑩ 685	686	3:53:30	:45	
⑪ 686	687	3:54:30	1:00	} Solid Sand 684.5-686 (bleed)
⑫ 687	688	3:55:30	1:00	
⑬ 688	689	3:56:45	1:15	} sand very lamin w/shale (bleeding)
⑭ 689	690	3:58:15	1:30	
⑮ 690	691	3:59:15	1:00	} shale with scattered thin strips of sand
⑯ 691	692	4:00:15	1:00	
⑰ 692	693	4:01:30	1:00	} shale
⑱ 693	694	4:02:30	1:00	
⑲ 694	695	Stop	:	(Best Perf Zone)
⑳ 695	696	:	:	

680.5-687.5
ccm



CONSOLIDATED
Oil Well Services, LLC

269179

TICKET NUMBER 47379

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
6-25-14	3425	No. McMillan #10	SE 2	16	20	JO

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
HUGHES DRILLING CO. MAILING ADDRESS 122 N. Main St CITY: Wellsville STATE: KS ZIP CODE: 66092	712	Fred Mad		
	495	Har Bec		
	369	Mik Haa		
	503	Mik Fox / Tro Nev		

JOB TYPE Langsting HOLE SIZE _____ HOLE DEPTH 762 CASING SIZE & WEIGHT 2 1/8 EUE
 CASING DEPTH 753 DRILL PIPE Baffle in TUBING 724 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 297 Plug
 DISPLACEMENT 4.21 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 413 PM

REMARKS: Hold crew safety meeting. Establish circulation. Mix & Pump 100* Gel Flush. Mix & Pump 97 sks 50/50 Por Mix Cement 2% Gel 1/4" Flo-Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to baffle incasing. Pressure to 800* PSI. Release pressure to set float valve.

Company Tools _____

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	15 mi	MILEAGE	495	63 ⁰⁰
5402	753'	Casing Footage		N/C
5407	Minimum	Ten Miles	503	368 ⁰⁰
5502C	1 1/2 hr	80 BBL Vac Truck	369	150 ⁰⁰
1124	97 sks	50/50 Por Mix Cement	1115 ⁵⁰	
118B	263 ⁰⁰	Premium Gel	57 ⁸⁰	
1107	25 ⁰⁰	Flo. Seal	61 ⁷⁵	
		Material	1235 ¹¹	
		Less 30%	- 370 ⁵³	
		Total		864 ⁵⁸
4402	1	2 1/2" Rubber Plug		29 ⁵⁰
		SCANNED	3023.87	
		7.87%	SALES TAX	65 ⁹⁴
			ESTIMATED TOTAL	2626 ⁰²

AVIN 3737 AUTHORIZATION [Signature] TITLE _____ DATE 6/26/14

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.