

HUGHES DRILLING REPORT

So. Co., Kansas
1410 FSL 3280 FEL

Well No 11
Farm McKaugher
SURFACE CASING
Size 21.70
Feet 7" (new)
Circulated 5 sx cement

PERMANENT CSG.
Size 2 7/8" 8' EUG (used)
Feet 925' Flact shoes on Bottom

API # 15-091-24495
Sec 36 TWP. 19 R. 21

OPERATOR Hughes Drilling

T. D. at Completion 940
Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
11	Clay	14
40	Shale	54
23	Lime	77
7	Shale	84
9	Lime	93
4	Shale	97
23	Lime	120
15	Shale	135
5	Gr. Sand	140
2	Shale	142
22	Lime	164
2	Gr. Sand	166
26	Shale	194
13	LIME	207
27	Shale	234
6	Lime	240
6	Shale	246
13	Lime	259
17	Shale	276
9	Lime	285
6	Shale	291
6	LIME	297
31	Shale	328
1	Lime	329
10	Shale	339
30'	24 Lime	363
8	Shale	371
20'	23 Lime	394
3	Shale	397
4	Lime	401
5	Shale	406
6	LIME	412
30	Shale	442
3	Gr. Sand	445
140	Shale	585
4	Lime	589
5	Shale	594
1	Lime	595
9	Shale	604
6	Lime	610

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5-11-18	0	3	Soil	(1) 21.5-21.5
21'	3	14	Clay	(2) 22.5-44.0
55' HB 5' pond	14	54	Shale	(3) 22.5-166.5
5-15-18	54	77	Lime	(4) 22.5-89.0
	77	84	Shale (late 80-81)	(5) 22.5-111.5
	84	93	Lime	(6) 22.5-134.0
	93	97	Shale	(7) 22.5-156.5
	97	120	Lime	(8) 22.5-179.0
	120	135	Shale	(9) 22.5-201.5
	135	140	Gray Sand	(10) 22.5-224.5
	140	142	Shale	(11) 22.5-246.5
	142	164	Lime	(12) 22.5-269.0
	164	166	Gray sand	(13) 22.5-291.5
	166	194	Shale (sandy 172-176)	(14) 22.5-314.0
	194	207	Lime	(15) 22.5-336.5
	207	234	Shale	(16) 22.5-359.0
	234	240	Lime	(17) 22.5-381.5
	240	246	Shale	(18) 22.5-404.0
	246	259	LIME	(19) 22.5-426.5
	259	276	Shale	(20) 22.5-449.0
	276	285	Lime	(21) 22.5-471.5
	285	291	Shale	(22) 22.5-494.0
	291	297	Lime	(23) 22.5-516.5
	297	328	Shale	(24) 22.5-539.0
	328	329	Lime	(25) 22.5-561.5
	328	339	Shale	(26) 22.5-584.0
30'	339	363	Lime	(27) 22.5-606.5

Driller - Eric Schultz
Tool dresser - Ben Barker

HUGHES DRILLING REPORT

To _____ Co., Kansas (pg 2)
 1410 FSL 3280 FEL

Well No. 11 Size _____
 Farm: Mekavshan Feet _____
 Circulated _____ sx cement

PERMANENT CSG. (used)
 Size 2 7/8 Bred EVE
 Feet 925' Float shoe on Bottom

OPERATOR Hughes Drilling

T. D. at Completion 940
 Contractor HUGHES DRILLING CO.

API # 15-91-24445
Sec 36 TWP. 14 R162

STRATA THICKNESS	FORMATION DRILLED	T.D.
16	Shale	626
4	Lime	630
14	shale	644
5	Lime	649
23	shale	672
3	Lime	675
50	shale	725
2	lime	727
20	shale	747
2	Br. sand	749
25	Shale	774
2	Lime	776
12	Shale	788
1	Red Bed	789
26	shale	815
4	Lime	819
35	shale	858
1	lime	859
14	Shale	873
6	oil sand	879
61	shale	940
		T.D

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	363	371	Shale (slate 370-371)	(36) 22.5-629.0
20'	371	394	Lime	(37) 22.5-651.5
	394	397	shale (slate 396-397)	(39) 22.5-674.0
	397	401	Lime	(40) 22.5-696.5
	401	406	shale	(41) 22.5-719.0
"Hertan"	406	412	Lime	(42) 22.5-741.5
Bit Trip 429	412	442	Shale (Broken 416-420)	(43) 22.5-764.0
5 1/8" PDC Bit	442	445	Gray sand	(44) 22.5-786.5
	445	585	shale (slate 566-563) (Lime Break 570-571)	
588'	585	589	Lime	(45) 22.5-809.0
5/16/18	589	594	Shale	(46) 22.5-831.5
	594	595	Lime	(47) 22.5-854.0
	595	604	shale	(48) 22.5-876.5
	604	610	Lime	(49) 22.5-899.0
	610	626	shale	(50) 22.5-921.5
	626	630	Lime (Brown)	
	630	644	shale	
	644	649	lime	
	649	672	shale	
	672	675	Lime (Broken)	
	675	725	shale	
	725	727	lime	
	727	747	shale (lime 735-736)	
	747	749	(Sand (Brown))	
	749	774	shale	
	774	776	Lime	
	776	788	shale (Lime Break 781)	

B-ville



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8676

10682
10572

TICKET NUMBER 54016
LOCATION Ottawa
FOREMAN Alan Maden

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #813166

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-16-18	5425	McKaughan 11	SW 36	14	26	Jo
CUSTOMER Hughes Drilling			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 122 Main			730 - Alameda Safety Mover			
CITY STATE ZIP CODE Wellsville KS 66092			467 - Ke: Cor			
			503 - Ke: Det			

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 940 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 725 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/ok _____ CEMENT LEFT in CASING yes
 DISPLACEMENT _____ DISPLACEMENT PSI 800 MIX PSI 200 RATE 46 bpm
 REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 5K Poz Blend I-A plus 2% gel & 1/2# flo seal per sack. Circulated cement to surface. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float.

Hughes water

Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	25	MILEAGE	178.75	
CE0711	min	ton miles	503	660.00
		sub	2338.15	
		less 40% -	935.50	1403.65
60 CC5840	104	Poz Blend F-A	1409.00	
CC5865	275#	gel	82.00	
CC075	26	flo seal	52.00	
EP8176	1	2 1/2 plug	45.00	
		sub	1583.50	
		less 40% -	933.40	950.10
		7.75		
		SALES TAX	75.17	
		ESTIMATED TOTAL	2929.12	

AUTHORIZATION [Signature] TITLE _____ DATE 4/4/18

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.