

HUGHES DRILLING REPORT

Jo. Co., Kansas
 2475 FSL 3280 FEL
 API# 15-091-24498

Well No. 9
 Farm McKay
 SURFACE CASING Size 7"
 Feet 36.70
 Circulated 12 sx cement

PERMANENT CSG.
 Size _____
 Feet _____
 T. D. at Completion 915
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

DATE	DRILLED		REMARKS -- TYPE WORK -- BILLING REF.	PIPE TALLY
	FROM	TO		
6-14-18	0	2	soil	(1) 21.5 - 21.5
36'	2	36	clay	(2) 22.5 - 44.0
6-18-18	36	75	shale	(3) 22.5 - 66.5
5 5/8" (5" pipe) (H.B.)	75	102	lime (Gray sand 83-86)	(4) 22.5 - 89.0
	102	109	shale (slate 102-103)	(5) 22.5 - 111.5
	109	119	lime	(6) 22.5 - 134.0
	119	123	shale	(7) 22.5 - 156.5
	123	142	lime	(8) 22.5 - 179.0
	142	167	shale (Red Bed 145-146)	(9) 22.5 - 201.5
	167	191	lime	(10) 22.5 - 224.0
	191	200	shale	(11) 22.5 - 246.5
	200	201	lime	(12) 22.5 - 269.0
	201	218	shale	(13) 22.5 - 291.5
	218	231	lime	(14) 22.5 - 314.0
	231	260	shale	(15) 22.5 - 336.5
	260	267	lime	(16) 22.5 - 359.0
	267	273	shale	(17) 22.5 - 381.5
	273	285	lime	(18) 22.5 - 404.0
	285	302	shale	(19) 22.5 - 426.5
	302	311	lime	(20) 22.5 - 449.0
	311	318	shale	(21) 22.5 - 471.2
	318	324	lime	(22) 22.5 - 494.0
	324	366	shale (BKA 354-356)	(23) 22.5 - 516.5
30'	366	390	lime	(24) 22.5 - 539.0
	390	397	shale (slate 391-392)	(25) 22.5 - 561.5
20'	397	420	lime	(26) 22.5 - 584.0
	420	424	shale (slate 421-422)	(27) 22.5 - 606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
34	clay	36
37	shale	75
27	lime	102
7	shale	109
10	lime	119
4	shale	123
19	lime	142
23	shale	167
24	lime	191
9	shale	200
1	lime	201
17	shale	218
13	lime	231
29	shale	260
7	lime	267
6	shale	273
12	lime	285
17	shale	302
9	lime	311
7	shale	318
6	lime	324
42	shale	366
30'	24	lime 390
	7	shale 397
20'	23	lime 420
	4	shale 421
	3	lime 427
	5	shale 432
"Heather"	6	lime 438
	17	shale 609
	8	lime 617
	3	shale 620
	4	lime 624
	7	shale 631
	8	lime 639
	13	shale 652
	3	lime 655
	8	shale 663
	11	lime 674
	20	shale 694

HUGHES DRILLING REPORT

Co., Kansas

LPJ

FSL

FEL

API #

SURFACE CASING

PERMANENT CSG.

Well No. 9

Size

Size

Farm McKaughan

Feet

Feet

Circulated _____ sx cement

T. D. at Completion 915

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
5	lime	677
50	shale	747
1	lime	758
9	shale	757
1	lime	760
37	shale	797
3	lime	800
6	shale	806
3	lime	809
23	shale	832
1	lime	833
35	shale	868
1	lime	869
8	shale	877
1	lime	878
16	shale	894
1	lime	895
4	shale	899
1	lime	900
3	sand	907
17	shale	915
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	424	427	lime	(28) 22.5 - 628.0
	427	432	shale	(29) 22.5 - 651.5
"Hestha"	432	438	lime	(30) 22.5 - 674.0
	438	609	shale (BRK. N 445-446) (BRK. N 554-556)	
605'	609	617	lime (Broken)	(31) 22.5 - 696.5
62012	617	620	shale	(32) 22.5 - 719.0
	620	624	lime	(33) 22.5 - 741.5
	624	631	shale	(34) 22.5 - 764.0
	631	638	lime	(35) 22.5 - 786.5
	638	652	shale	(36) 22.5 - 809.0
	652	655	lime (Brown)	(37) 22.5 - 831.5
	655	663	shale (slate 655-656)	(38) 22.5 - 854.0
	663	674	lime	(39) 22.5 - 876.5
	674	694	shale (Red Bed 685-688)	(40) 22.5 - 899.0
	694	699	lime	
	699	749	shale	
	749	750	lime	
	750	759	shale	
	759	760	lime	
	760	797	shale	
	797	800	lime	
	800	806	shale	
	806	809	lime	
	809	832	shale	
	832	833	lime	
	833	868	shale	
	868	869	lime	

