

# HUGHES DRILLING REPORT

SURFACE CASING  
 Well No. I-2 Size 7"  
 Farm N. M. Miller Feet 30  
 Circulated 9 sx cement

PERMANENT CSG.  
 Size plugged well  
 Feet       

OPERATOR Hughes Drilling Co.  
#5682

T. D. at Completion 740  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	soil	3
22	clay	25
17	shale	42
24	lime	66
7	shale	73
11	lime	84
7	shale	91
17	lime	108
35	shale	143
32	lime	175
63	shale	238
25	lime	263
7	Gr sand	270
9	shale	279
6	lime	285
22	shale	307
15	lime	322
23	shale	345
30'	24 lime	369
8	shale	377
20'	24 lime	401
4	shale	405
4	lime	409
2	shale	411
6	lime	417
14'	shale	564
3	lime	567
3	shale	570
3	sand	573
12	shale	585
8	lime	593
21	shale	614
8	lime	622
13	shale	635
3	lime	638
5	shale	643
8	lime	651
14	shale	665
3	lime	668
2	shale	670
7	shy shale	677

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/9/14	0	3	Soil	① 21.5-22.5
30'	3	25	clay	② 22.5-44.0
7/10/14	25	42	shale	③ 22.5-66.5
	42	66	lime	④ 22.5-84.0
5 5/8" PDC	66	73	shale (bank) (slate 72-73)	⑤ 22.5-111.5
	73	84	lime	⑥ 22.5-134.0
	84	91	shale	⑦ 22.5-156.5
	91	108	lime	⑧ 22.5-179.0
	108	143	shale	⑨ 22.5-201.5
	143	175	lime	⑩ 22.5-224.0
	175	238	shale	⑪ 22.5-246.5
	238	263	lime	⑫ 22.5-269.0
	263	270	Gray sand	⑬ 22.5-291.5
	270	279	shale	⑭ 22.5-314.0
	279	285	lime	⑮ 22.5-336.5
	285	307	shale	⑯ 22.5-359.0
	307	322	lime	⑰ 22.5-381.5
	322	345	shale (324-327)	⑱ 22.5-404.0
30'	345	369	lime	⑲ 22.5-426.5
	369	377	shale (slate 376-377)	⑳ 22.5-449.0
20'	377	401	lime	㉑ 22.5-471.5
	401	405	shaly slate 404-405	㉒ 22.5-494.0
	405	409	lime	㉓ 22.5-516.5
	409	411	shale	㉔ 22.5-539.0
"Hertha"	411	417	lime	㉕ 22.5-561.5
	417	564	shale (Drkn 420-423) (shy 551-554)	㉖ 22.5-584.0
	564	567	lime	㉗ 22.5-606.5



# HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE N. McMillen T-2  
FORMATION #1 squirrel  
DATE: 7-10-14

~~2 1/2~~ 3' shake Bit

FROM	FEEET TO	TIME	MINUTES	REMARKS
670	671	chip sample		
① 671	672	1:10:00 - 1:11:15	1:15	} sdy shale
② 672	673	1:12:15	1:00	
③ 673	674	1:13:15	1:00 <sup>stop</sup> <sub>add joint</sub>	
④ 674	675	1:19:00 - 1:20:00	1:00	
⑤ 675	676	1:20:45	:45	Thin streaks of sand (oil trap)
⑥ 676	677	1:22:00	1:15	} 1T Brown sand <del>677-682</del>
⑦ 677	678	1:23:00	1:00	
⑧ 678	679	1:23:45	:45	
⑨ 679	680	1:24:45	1:00	
⑩ 680	681	1:25:45	1:00	
⑪ 681	682	1:26:45	1:00	} sdy lime (No oil)
⑫ 682	683	1:28:00	1:15	
⑬ 683	684	1:28:45	:45	} sand lamin w/shale (bleeding oil)
⑭ 684	685	1:29:45	1:00	
⑮ 685	686	1:30:30	:45	
⑯ 686	687	1:31:30	1:00	} shale
⑰ 687	688	1:32:30	1:00	
⑱ 688	689	1:33:30	1:00	
⑲ 689	690	1:34:30	1:00	
⑳ 690	691	1:35:30	1:00	
				(No Good) CCM

