

Form	ACO1 - Well Completion
Operator	Defiance Ventures, LLC
Well Name	MINI-FARM 13
Doc ID	1722374

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	11.00	7.00	40	131	Class A	100	
Production	5.875	2.875	40	866	OWC	104	

HAT DRILLING
12371 KS HWY 7
MOUND CITY, KS 66056
LICENSE # 33734

Mini Farms #13
API # 15-103-21471-00-00
SPUD DATE 9-15-22

Footage	Formation	Thickness	Set 131' of 7' w/11" bit
0	Topsoil	1	TD 875'
1	clay	9	Ran 866' of 2 7/8 on 9-19-22
10	sand and clay	8	
18	clay	6	
24	sand	15	
39	sand & river gravel	29	
68	mucky shale	5	
73	river gravel	5	
78	sandy shale	10	
88	sand	39	
127	lime	29	
156	shale	14	
170	lime	15	
185	shale	37	
222	lime	58	
280	shale	47	
327	lime	16	
343	shale	17	
360	lime	49	
409	shale	9	
418	lime	21	
439	shale	14	
453	lime	6	
459	shale	112	
571	lime	4	
578	shale	19	
597	lime	4	
601	shale	122	
723	sand	6	no odor
729	shaley sand	11	
740	sand	5	no odor
745	sand	5	good odor, good bleed
750	shaley sand	10	slight odor, slight bleed
760	sandy shale	32	
792	shaley sand	15	

807	sand	3	no show
810	shale	65	
875	T.D.		

CEMENT TREATMENT REPORT