



### CAHOY PUMP SERVICE

SUMNER, IA  
Corporate Office  
563-578-1130

MARNE, IA      Durand, Ill      Lincoln, Ill  
712-781-2030      815-218-6876      217-732-9997

## DRILLER'S LOG

CLIENT: Wiota, IA

WELL: 5

DATE STARTED: 11/12/2019

DATE COMPLETED: 11/23/2019

DRILLER/LIC.#: 11135 and 8294

County: Cass

GPS: 41.399805, -94.877820

\_\_\_ mi N/S and \_\_\_ mi E/W of intersection of \_\_\_\_\_ and \_\_\_\_\_

\_\_\_ ¼ of the \_\_\_ ¼ of the \_\_\_ ¼ of \_\_\_\_\_ Sec \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ E/W

ROD#	LENGTH	DEPTH	FORMATION DESCRIPTION	DEPTH STARTED	DEPTH ENDED
Bit	1.5'	1.5	Top soil	0	2
Kelly	14.5'	16'	Brown clay	2	29
1	10	26	Fine to medium Sand	29	37
2	15	41	Gray clay	37	51
3	15	56	Gray clay w/ gravel and cobbles@51'		
4	15	71	Gray clay w/ gravel and cobbles@51'		
5	15	86	Tan clay w/streaks of red shale	51	60
6	15	101	Tan clay w/streaks of red shale	60	65
7	15	116	Red shale w/brown & gray clay		
8	15	131			
9	15	146	Red shale w/white, brown & gray clay	65	84
10	15	161			
11	15	176	Sandstone	84	122
			Gray shale	122	125
			Gray shale w/sandstone streaks	125	130
			Fine to medium brown sandstone	130	155



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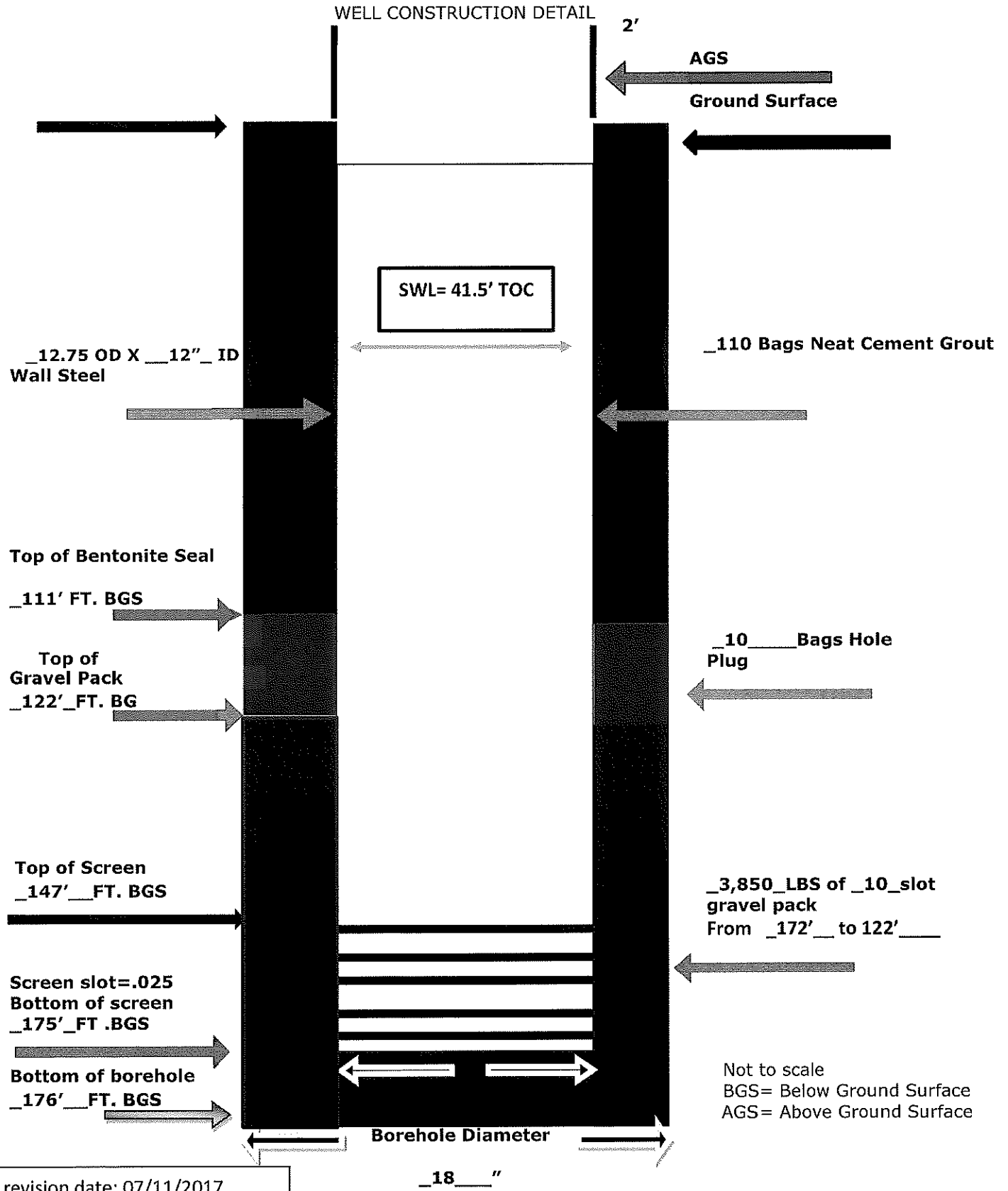
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ROD#	LENGTH	DEPTH	FORMATION DESCRIPTION	DEPTH STARTED	DEPTH ENDED
Screen	20' 3 ¼"	20' 3 ¼"			
Screen	5' 2 ½"	25' 5" ¾"	Medium to coarse sandstone	155	173
Casing	21' 1 ¾"	46' 7 ½"	Gray shale	173	175
Casing	21' 1 ¾"	67' 9 ¼"			
Casing	21' 2 ½"	88' 11 ¾"			
Casing	21' 1 ½"	110' 1 ¼"			
Casing	21' 2"	131' 3 ¾"			
Casing	21' 1 1/2"	152' 4 ¾"			
Casing	21' 2 ¼"	173' 7"			
Casing	21' 2 ¼"	194' 9 ¼"			
Cut off					
			Centralizers @25' on center (7 sets)		

OWNER: Wiota  
WELL: 5  
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