

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

M-W Drilling, Inc.

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Job No.:25-103

GROUNDWATER WELL LOG

Well Owner:	Hilcorp Alaska LLC	Use of Well:	Public
Site Description:	Hilcorp Oliktok Point Production Pad, Well #5		
Legal Description:			
Well Coordinates:	Lat: 70.5101 Long: -149.8688		

CONSTRUCTION

Drill Method:	Air rotary	Hole Size:	8"	Well Depth:	90.3'
Casing Material:	A53B steel	Casing Size:	8"	Wall:	.322
				Cased to:	78.07'
Well Completion:	Open end:	Screen:	X	Liner:	
		Perforated:		Method:	
Screen/Perforation Description:		6" K-packer & riser pipe: 75.0' to 79.07'; 6" stainless steel 0.030 slot well			
		screen: 79.07' to 89.37'; 6" tailpipe & butt plate: 89.37' to 90.37'			
Grout Notes:		14 sacks (50#ea) of 3/8" bentonite chips installed in annulus between 12" surface hole & 8" casing			
		from ground surface to 13'			
Well Development:		Air surge			
Well Disinfected:	no	Method:			
Yield Test at	150	GPM for	18	hour(s) with	4.4' of drawdown (DD) from static level (SWL).
Method:	Submersible pump			Static Water Level (SWL):	24.6'
Start Date:	3/22/25	Completion Date: 3/31/25			
Test Pump Date:	3/30/25	Final Pump Install Date: 3/30/25			
		Pump Installation Notes: Goulds 160L10 6" pump end & 10hp, 460v,			
		3ph motor installed in well on 60' of 3" HDPE pipe.			

SLANT WELL LOG

Depth in feet from top of casing.	Details of formations penetrated, size of material, color and miscellaneous details.				
0 TO 2.5	Casing Stick up				
2.5 TO 46	Gravel: medium, sandy				
46 TO 58	Clay: silty, black				
58 TO 76	Silt with gravel: wet, mucky				
76 TO 90	Water gravel: medium, sandy				
	Note: Well drilled on 45° SLANT				
	Measurements are true length, not true vertical				
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