


















	PROJECT: Birmingham Hydrogeological Testing and Permitting	BORING ID: KAR16-021	
	LOCATION: Birmingham, Keno Hill, Yukon	WELL ID: KAR16-021	
	DRILLING CONTRACTOR: Alexco Environmental Group	NORTHING: 7086913.11	EASTING: 479142.39
	DRILLING EQUIPMENT: Midnight Sun Drilling Inc.	GROUND SURFACE ELEV. (masl): 1330.85	TOC ELEVATION (m ags): 1.03
	DRILLING METHOD: Truck Mounted Sandvik Marlin M5 Air Rotary	TOTAL DEPTH (m): 187.7	WATER DEPTH (m bgs): 69.86
LOGGED BY: E Roy	SAMPLING METHOD: Cyclone	DATE STARTED: October 22, 2016	DATE COMPLETED: October 26, 2016

Downhole Depth (m)	Graphic Log	Description			Well Construction	
				Azimuth	Dip	
0		Overburden	Very wet	296.34	-89.52	8" steel casing
10		graphitic schist		256.82	-89.37	
20		quartzite and schist graphitic schist		192.47	-89.22	
30		quartzite with minor schist		150.32	-87.56	
40		75% sericite schist, 20% quartzite, 5% graphitic schist, alternate layers		133.29	-86.37	
50				129.12	-84.89	
60		quartzite		131.1	-83.18	
70		sericite schist with minor quartzite		128.26	-81.4	
80		greenstone		120.8	-80.09	
90		sericite schist with minor quartzite	Bigger rocks	113.38	-78.25	
100		quartzite		112.11	-76.3	
110		fault	No return	112.23	-75.64	
120		quartzite		113.75	-74.93	
130		quartzite	Oxidized	114.36	-74.01	8" borehole
140		quartzite and schist	Caving	114.94	-73.85	
150		quartzite		116.81	-73.77	6" steel casing
160		siderite, galena and quartzite		109.11	-74.17	
170		quartzite		98.49	-73.59	6" open borehole
180		quartzite and schist				
190		quartzite, abundant quartz				
		quartzite		82.94	-72.7	
		quartzite and graphitic schist				

NOTES: Drilled with 8" bit to 480 ft. 6" casing lowered to 481 ft. Drilled with 6" hammer bit to 620 ft, left open.

QZ18-044 - YWB 2018-08-06