



PROJECT: ERDC Site Wide Monitoring Plan (13 002-04)	BORING ID: KV-84N-S		
LOCATION: Keno Hills Silver District (KHSD)	WELL ID: Fire Hall Shallow		
DRILLING CONTRACTOR: Access Consulting Group	NORTHING:	EASTING: Need survey from AXR s	
DRILLING EQUIPMENT: Midnight Sun Drilling Inc.	GROUND SURFACE ELEV. (masl):	TOC ELEVATION (m ags): 0.8634984	
DRILLING METHOD: Air Rotary	TOTAL DEPTH (m): 67.6656	WATER DEPTH (m bgs): 57.946	
SAMPLING METHOD: Interval by major lithology	DATE STARTED: 2-Nov-13	DATE COMPLETED: 4-Nov-13	

Depth (m)	Graphic Log	Description	Well Construction
-2			
0			
2		Brown silty gravel	Sand Pack Bentonite Grout
4			
6		Brown silty gravelly sand with pieces of sericite schist	
8		Gray-brown gravelly silt with some sand, some boulders	
10		Brown silty sand, becoming more gray near the end of the interval	
12		Gray sandy silt	
14		Dark gray brown clayey silt	
16		Medium gray brown gravel with silt and fines, 70% gravel sized pieces	
18		Light yellow brown silty gravel	
20		Dark gray silt with trace fine sand	
22		Dark gray brown broken gravel with damp silt	
24		gray brown gravel with silt and sand, dry	
26			
28			Grout
30		Coarse gravelly sand, saturated with groundwater cleared from hole at end of interval	
32			
34		Gray brown silty sand, wet	
36		Clayey silt, moist	
38		Sandy silt, moist	
40		Gray brown gravelly silt	
42		Coarse silty gravel	
44		Gray silty gravel, dry, becoming more sand and silt rich from 147' to 150'	
46		Sandy gravel with trace silt	
48		Light gray sandy gravel with cobbles, alternating dry and damp	
50		Gravel with boulders and cobbles, some sand and trace silt, alternating color from light gray/yellow to dark gray brown	Bentonite
52		Clean coarse gravel with almost no fines	
54		Gravelly sand with cobbles, dry	
56		Yellowish brown sandy gravel with silt, a lighter gray color interval around 185', water coming in 189'-190'	
58		Clean gravel with occasional seems of orangy pink gravel	
60		Gray brown gravel with trace fines, coarse pea gravel size	Sand Pack
62		Dark gray brown silty gravel with sand, wet	
64		Dark brown gravel and cobbles, wet	
66		Yellowish brown silty gravel	
68		Coarse sand and fine gravel, wet	
70		Becoming finer - silty gravel	Sand Pack
72		Gray silty clay with gravel	

NOTES: Stuck casing, melted PVC and redrilled

Bedrock Borehole Diameter: 6"
QZ17-076 Core Borehole Diameter: 7 3/8"
Surface Seal Borehole Diameter: 10"