

Monitoring Well Installation		CLIENT: Access Consulting Group		PROJECT NO. - BOREHOLE NO.	
Keno City, YT		DRILL: Air Rotary		W23101422-MW-5	
		7087105N; 484917E; Zone 8		KV-84 or KC-MW-1a	
SAMPLE TYPE		<input checked="" type="checkbox"/> DISTURBED	<input type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> A-CASING
BACKFILL TYPE		<input checked="" type="checkbox"/> BENTONITE	<input type="checkbox"/> PEA GRAVEL	<input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT
		<input type="checkbox"/> CORE	<input type="checkbox"/> SHELBY TUBE	<input type="checkbox"/> DRILL CUTTINGS	<input type="checkbox"/> SAND
Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
0	SAND and SILT (FILL) - some gravel and cobble) - poorly graded, fine grained sand, subangular to subrounded, dry, brown to light brown, ice in returns				0
1	COBBLE (FILL) - dry, grey, some brown and white				3
2	SAND (FILL) - some silt and gravel), poorly graded, fine grained sand, moist with some frozen regions, brown, organic inclusions (tree branches),				5
2	SILT - some sand and gravel, moderately sorted, gravel rounded, wet, brown				7
2	SILT -damp, brown				9
3	- water in returns; melted permafrost as ground frozen				11
4					13
5					15
6					17
7	SAND and GRAVEL - poorly graded, subangular to subrounded, wet (water being added), grey, some white, trace orange				19
8	GRAVEL - some sand and silt, poorly graded, rounded to subrounded, dry, grey, trace orange and white				21
8	SAND and SILT and GRAVEL - occasional cobble, moderately sorted, subrounded, dry, brown and grey				23
9					25
10					27
11	SILT - trace gravel, damp, brown				29
11	- boulder or cobble				31
12	SILT - some cobble, subrounded to subangular cobble, damp, brown				33
12	SAND and GRAVEL - trace silt, poorly graded, gravel subrounded to subangular, sand subrounded to rounded, dry, light brown and grey				35
13					37
14					39
15					41
16	SAND - some silt, well graded, subangular to subrounded moist, grey, brown and orange				43
16	- increasing gravel, subrounded to subangular				45
17					47
18					49
19					51
20					53
			- water added from 20ft as cuttings not returning to surface		55
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BACKFILL TYPE	<input type="checkbox"/> BENTONITE	<input type="checkbox"/> PEA GRAVEL	<input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT	<input type="checkbox"/> DRILL CUTTINGS	<input type="checkbox"/> SAND


Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
20	SAND - some gravel, well graded, rounded to subrounded, damp, light brown, some grey and orange				70
21	- increasing moisture, damp to moist				75
22					80
23	SAND and SILT - sand fine grained, soft, moist, brown				85
24					90
25					95
26					100
27	- became greyer in colour		- water added as cuttings not returning to surface		105
28					110
29					115
30					120
31					125
32					130
33					135
34	SAND and GRAVEL - occasional boulder/cobble, well graded, subangular to subrounded, damp, light brown and grey, some white and orange				140
35					145
36					150
37	- dry				155
38					160
39					165
40					170

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	REVIEWED BY: SK	COMPLETE: 4/10/2011
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Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
40					135
41					140
42					145
43					150
44					155
45					160
46					165
47					170
48					175
49					180
50					185
51					190
52					195
53					200
54					205
55					210
56	- cuttings slightly darker, increased moisture				215
57	- cuttings wet and water blown from hole after rods and casing added - return water changed from brown to orange/brown		- cuttings wet after air turned off to add rods and casing, cuttings dry after approx 30 sec of air being turned on		220
58					225
59					230
60	EOH @ 59.4 m (195 ft)				235

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Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
60	NOTE: sufficient water and depth to meet well construction requirements				
61					200
62					205
63					210
64					215
65					220
66					225
67					230
68					235
69					240
70					245
71					250
72					255
73					260
74					265
75					270
76					275
77					280
78					285
79					290
80					295

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