

CANADIAN EMPIRE EXPLORATIONS LTD.
YUKON OLYMPIC PROJECT

GEOTECHNICAL LOG

DRILL HOLE NO. 02 YO1 - 002

Yukon Territory
Canada

Logged By: B. Thurston
Date: Nov 18/02

Box No.	Interval (m)			Recovery		RQD		J.C.S	Wthr	F.F.	J.R.C.		Struc Type	Dip To CA	Comments
	From	To	Lgth	(m)	%	(m)	%	Hard	Altn.	XJoint	Shape	Rough			
1	7.01	8.23	1.22	OVR				Bed Rock	@ 8.23m.						
2	8.23	9.75	1.52	1.33		0.15		4	4	13	4	4			Weathered Fractures + Fe stain Bx
1	9.75	10.36	0.61	0.40		0.20			4	+15	4	4			Bx
2	10.36	11.43	1.07	0.78		0.15			3	+25	4	4			Bx
2	11.43	14.17	2.74	2.60		1.63			4	13	1	3			Bx
3	14.17	17.22	3.05	3.05		2.28			4	15	1	2			Bx
3-4	17.22	19.51	2.29	2.22		2.22			5	5	3	4			Bx
4	19.51	22.56	3.05	3.05		2.40				8	1	2			Weathered Fract's Fe. Bx
5	22.56	25.60	3.04	3.04		2.84		5		11	1	2			Bx (more s.l! Bx frags)
5-6	25.60	28.65	3.05	3.05		2.85			4	9	3	3			Bx
6-7	28.65	31.39	2.74	2.74		0.95			4	+25	1	3			Bx
7	31.39	33.83	2.44	1.75		0.85			4	+20	1	2			Bx to ~32m - Lithology change
7-8	33.83	34.75	0.92	1.15		0.92		4	5	5	3	4			Fract 25-45° & 60-80°
8	34.75	37.80	3.05	3.05		1.70				16	3	3			
9	37.80	40.84	3.04	3.04		1.12				30	1	2			
9-10	40.84	43.89	3.05	2.95		2.25				12	3	2			
10-11	43.89	46.94	3.05	3.05		2.85				8	4	4	Bed	15	
11-12	46.94	49.68	2.74	2.74		2.60				7	1	2	Bed	10	(Platy Breaks)
12	49.68	51.82	2.14	2.14		1.64				10	1	2	SH?	20-35°	Reduced to NR @ 51.82m He-Mag. Qtz + l.
13	51.82	54.25	2.43	2.20		1.12				23	3	3	Fr	25°	He-envelopes + mag.
13-14	54.25	57.30	3.05	2.40		0.56				+30	1	2	Bky		
14	57.30	60.66	3.36	3.15		1.61				+30	1	2	Bky		Bedding 20° Fract-65-80°
14-15	60.66	63.70	3.04	3.04		2.48				13	1	2	Bed	20°	Vein 75° Qtz + Carb.
15	63.70	66.75	3.05	3.05		1.80				23	1	2	S/S		Shear lsh/slicks b/w Qtz Carb veins & End 1/4
15-16	66.75	69.80	3.05	2.95		2.45				13	1	2			
16-17	69.80	72.85	3.05	3.15		2.25				17	1	2	Fr	5-10°	Fr @ 60-80°

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	From	To	Lgth	(m)	%	(m)	%	Hard	Altn.	XJoint	Shape	Rough	Type	To CA	
17	72.85	75.90	3.05	3.05		2.90		4	5	8	3	2			Brittle Fracture avg. 15° to C.A. & 70° to C.A.
17-18	75.90	78.94	3.04	3.04		2.74		4/5		11	1	2			
18	78.94	81.99	3.05	3.05		2.90		4		7	1	2			
18-19	81.99	85.04	3.05	3.05		2.90		5		11	1	2			
19	85.04	88.09	3.05	3.05		3.05		5		5	1	2			
19-20	88.09	91.14	3.05	2.90		2.65		5		15	1	2			
20	91.14	94.18	3.04	3.04		2.74		4/5		12	3	2			
20-21	94.18	96.93	2.75	2.95		1.40		4/5		24	3	2			
21	96.93	99.97	3.04	3.04		1.95		1		14	3	2	Fr	0°	Fracture // to C.A. (90cm)
21-22	99.97	102.87	2.90	2.75		2.60				10	1	2			
22	102.87	105.92	3.05	3.05		2.55		✓		22	1	2			
22-23	105.92	108.97	3.05	3.05		2.75		4/5		16	1	2			
23	108.97	112.01	3.04	3.04		3.00		5		13	1	3			
23-24	112.01	115.52	3.51	3.51		3.07		5		21	1	2	Fr	0°	Fracture // to C.A. (80cm)
24-25	115.52	118.57	3.05	3.05		2.55		5		14	1	2			
25	118.57	121.62	3.05	3.05		2.40		5		26	1	2			
25-26	121.62	124.66	3.04	3.04		2.44		4/5		20	1	2			
26	124.66	127.71	3.05	3.05		2.75		4/5		18	1	2			
26-27	127.71	130.15	2.44	2.50		1.20		4		27	3	3			
27	130.15	132.89	2.74	2.75		2.10		4/5		15	1	2			
27-28	132.89	135.94	3.05	3.05		2.75		4		16	2	2			
28-29	135.94	138.84	2.90	2.95		1.29		4/5		33	1	2	Fr	25°	
29	138.84	142.34	3.50	3.35		2.90		5		26	1	2	Fr	20°	
29-30	142.34	145.39	3.05	3.15		1.70		4/5		29	1	2		20°	40cm Pyrite silt w/ cong.
30	145.39	148.13	2.74	2.85		2.30		4		15	1	2			
31	148.13	151.18	3.05	3.05		3.05		4	✓	9	1	2			

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Box No.	Interval (m)			Recovery		RQD		J.C.S	Wthr	F.F.	J.R.C.		Struc Type	Dip To CA	Comments
	From	To	Lgth	(m)	%	(m)	%	Hard	Altn.	Xjoint	Shape	Rough			
31	151.18	153.01	1.83	1.83		1.56		4	5	12	1	2			
31-32	153.01	156.06	3.05	3.10		2.05		4/5	4	19	1	2	Fr	0°	50cm Fract // to C.A.
32	156.06	158.65	2.59	2.40		1.55		4/5	5	20	1	2	Fr	25°	
32-33	158.65	161.09	2.44	2.35		0.77		4	5	125	3	2	Bky		
33	161.09	163.02	1.98	1.90		0.72		4/5	4	120	1	2	Fr	0-15°	
33-34	163.02	165.81	2.74	2.55		1.75		4/5	5	18	1	2			
34	165.81	168.86	3.05	2.85		1.00		4/5	5	36	1	2			
35	168.86	171.75	2.89	2.55		0.50		4	3	150	3	2	Bky/crsh		Fault. ~170m to 177.09.
35-36	171.75	174.96	3.21	2.70		0.22		4	3	150	1	2	Csh.		↓
36	174.96	177.09	2.13	2.00		0.10		4	3	150	1	2	Csh.		
37	177.09	178.31	1.22	0.85		—		4	3	120	3	3	Fr/csh		Fract + Csh Fault to 177.80m
37	178.31	181.36	3.05	2.65		0.83		4	4	125	3	3	Fr		Strong Fract Edge of Fault
37-38	181.36	182.58	1.22	1.22		0.83		4	3/4	6/15	1	3			25cm Crush
38	182.58	185.62	3.04	2.95		2.50		4	4	15	1	3			
38-39	185.62	188.67	3.05	3.00		1.95		3	3	25	1	2			
39	188.67	191.57	2.90	2.50		0.25		4	4	140	1	2	Fr		Fractured → Blocky
39-40	191.57	194.77	3.20	3.20		2.10		4/5	4/5	26	1	2			
40-41	194.77	197.82	3.05	3.30		1.10		4	4	30	3	3	Fr	0°	Fract // to C.A. > 2m to Csh or Fr.
41	197.82	200.86	3.04	2.90		1.37		4/5	4	25	3	2	Fr	0°	Fract // to C.A. > 2m to Csh or Fr.
41-42	200.86	203.91	3.05	2.90		1.28		4	3	130	3	2	Fr	10°	Healed SH 0-15°
42-43	203.91	206.96	3.05	3.00		1.57		4	3	130	3	3	Fr	10°	1.5m Solid competent Core Fault
43	206.96	209.70	2.74	3.05		0.77		4	3/4	130	3	3	Fr	0°	Fr // to C.A. Crush along Fr
43	209.70	210.46	0.76	0.80		0.40		4	↓	11	3	3			Solid core to last 6"
	E.O.H. - 210.46 m.														