

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

CONTRACTOR: J. T. Thomas Drilling Ltd. - Leo Shaw, Dave Peters, -Glen Shaw, Paul Wolnowski
 DRILL TYPE: Longyear Super 38 LENGTH: 220.67
 CLAIM: T 436 YA 21845 "Hotel" Dip: -90°
 LATITUDE: 184 00E ELEVATION: 856.50 (app.)
 LONGITUDE: AZIMUTH:
 HOLE STARTED: 1979 05 11 HOLE COMPLETED: 1979 05 13

ACID &/OR TRO-PARI TESTS					
DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

HOLE NUMBER: T-79-20
 SHEET 1 OF: 7
 PROPERTY: T claims, Tenas JV
 ACCOUNT No.: 326-04-16
 CORE SIZE: 8Q
 % CORE RECOVERY:
 LOGGED BY: K. A. MacLean

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES)				Cu	Pb	Zn		
							FROM	TO	WIDTH	RCVRY					
0.0				Collar											
0.0	15.24	15.24		Overburden, B casing, boulders and sand, triconed											
15.24	21.03	5.79		Metavolcanic?, altered and bleached, med granular,			15.24	19.51	4.27		120	11	67		
				foliated, light yellowish green, fol 60°, occ			19.51	22.55	3.04		48	13	107		
				w cm qv, occ dissem & strk po, dk brn py											
				"chlor musc qtz phyllite, poss tuffaceous"											
				(DS Jennings) SG 17.37=2.57, 20.42=2.67,											
21.03	21.94	0.91		Phyllite, carb qtz musc graph (20%) occ spk sulp,											
				70°, intraformational with gradational contacts.											
21.94	23.46	1.52		Metavolc?, prob exhalite, grey quartz rich beds,			22.55	26.2	3.65		64	8	177		
				fractured and blocky mg, interbedded with											
				phyllitic beds, non calc SG 23.16=2.57,											
23.46	33.52	10.06		Phyllite graphitic 70% dk grey-blk, occ qv sat,			26.2	32.0	5.8		68	10	100		
				1 mm, 60°-40°, sampled between blocks, non calc											
				(commonly seen in KL-YRF-DSJ) SG 26.21=2.63,											
				29.87=2.60											

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HOLE NUMBER: T-79-20

SHEET NUMBER 2 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS ppm			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES)				Cu	Pb	Zn	
							FROM	TO	WIDTH	RCVRY				
33.52	34.13	0.61		Gouge, graphitic, flakey, dk grey-blk, 75% graph fol 35°			32.00	35.00	3.0		66	11	70	
34.13	38.71	4.58		Phyllite, graphitic, volcanic phase, soft discoid breaks, dull greenish grey occ dk graphitic bands, occ qtz bnd @ 60°, occ massive & soapy with talc "chlor musc qtz phyll, non calc prob meta tuff" - (DSJ) SG 35.36=2.65, 38.71=2.69			35.00	39.01	4.01		51	16	77	
38.71	43.28	4.57		Phyllite, graphitic, discoid, greasy 60° oc 10 cm qv, a few sections gouge SG 38.71=2.69, 41.75=2.64			39.01	43.28	4.27		71	15	115	
43.28	44.81	1.53		Phyllite, chlor musc qtz, light faint greenish grey, soft, sly talcy massive with vague fol or bedding 70° occ strk cont fine po, conformable gradational contact. SG 44.80=2.71			43.32	47.85	4.53		107	10	183	
44.81	59.74	14.93		Phyllite, graphitic, discoid pieces, 25-50% graph, thinly laminated, 75° rare gouge sections "carbonaceous-micaceous quartzites of KS-YS12" - DSJ SG 50.98=2.73, 54.25=2.73			47.85	53.64	5.79		96	19	127	
							53.64	59.74	6.1		69	18	190	
59.74	75.29	15.55		Phyllite, graphitic and schistose, 95% graph with prom bed surfaces, occ bx'd and disrupted f ₁ , f ₂ marked by lighter coloured beds, several 20 cm gougey sections fol gen 75-85° SG 64.62=2.68, 68.58=2.66, 73.76=2.65			59.74	65.84	6.1		100	32	560	
							65.84	71.93	6.09		98	17	76	
							71.93	77.11	5.18		64	15	260	

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HOLE NUMBER: T-79-20

SHEET NUMBER 3 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE				ASSAYS ppm						
FROM	TO	WIDTH	RCVRY		NUMBER	SULFIDES	INTERVAL (METRES)				Cu	Pb	Zn		
							FROM	TO	WIDTH	RCVRY					
75.29	77.42	2.13		Phyllitic dolomite?, thinly compositionally layered 20% graphite, highly sheared and chevron folded, occ layers gritty and gougey breccia, "looks like KS graphitic quartzite but is a dolomite"											
77.42	97.24	19.82		Phyllite, bleached, sericitic and chloritic, pale greenish-yellow green, fairly massive, occ sections with what appears to be fragments, occ vuggy carb wh bnds, fol vague @ 70°, soft, fg SG 77.72=2.87, 80.46=2.91, 82.60=2.84, 86.25=2.81, 89.31=2.65, 92.35=2.67, 95.09=2.75, \bar{X} -2.77±0.10											
97.24	99.06	1.82		Phyllite? fragmental, bedded, occ graph 15%, 85°, med grey to greenish grey, poorly layered, non calcareous, prob volc bx (DSJ) frags to 3 cm											
99.06	101.50	2.44		Metavolc, chloritic schist, mg, occ vague bedded appearance, occ short graphitic sections to 10 cm occ healed bx zone, "prob lapilli tuffs maybe locally flows" (DSJ)											
101.50	108.51	7.01		Phyllite, med grey, num greenish tuffaceous bands of varying thicknesses 75°, same fine py, non calcareous "prob interbedded tuffs & pelitic seds w/some graded bedding (flame shut?) fining upwards - light base & dark top" (DSJ)											

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SHEET NUMBER 4 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE				ASSAYS ppm			
FROM	TO	WIDTH	RCVRY		NUMBER	BY	SULFIDES	INTERVAL (METRES)	Cu	Pb	Zn	
					FROM	TO	WIDTH	RCVRY				
108.51	114.91	6.4		Metavolcanic, fg, tuffaceous, light beige to grey altered, schistose, occ vague fragmented outlines lapilli tuff and tuff breccias grain size 0.5 cm SG 108.82=2.78, 111.86=2.74, 114.91=2.67								
114.91	117.96	3.05		Transition, mixed narrow bands of metavolc tuff and short graphitic sections 60-70°, carbonate phyllites SG 117.95=2.81								
117.96	138.68	20.72		Metavolc, light grey, bleached massive but subtly foliated, some bedded & prob tuffaceous material, peppered with fine py SG 121.01=2.85, 124.05=2.71, 127.10=2.67, 130.15=2.69, 133.19=2.57, 136.25=2.83		117.96			43	14	13	
						119.78			112	4	123	
138.68	145.08	6.4		Breccia, recemented, solid core, occ gouge bnds, altered & talcy, qtz + dol vein material, carbonated volc remnants SG 139.30=2.89, 142.34=2.79								
145.08	150.26	5.18		Phyllite, graphitic, with occ mixed phyllitic bnds, many calcareous, 75°, 5-10% py re xld in strks SG 148.44=2.89		145.08	148.44	3.36	125	19	53	
						149.04	150.26	1.22	39	9	16	
150.26	153.01	2.75		Metavolc, altered, bleached, light yel grn, 85°, soft, carbonated. SG 151.49=2.63								
153.01	160.62	7.61		Phyllite, med grey, thick beds, occ quartz bands, occ graphitic beds to 1 m num alt'd fg tuffaceous		153.62	154.53	0.91	130	21	37	

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SHEET NUMBER 5 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE				ASSAYS ppm					
FROM	TO	WIDTH	RCVRY		NUMBER	SULFIDES	INTERVAL (METRES)				Cu	Pb	Zn	
							FROM	TO	WIDTH	RCVRY				
				beds, fol 75°-85°, top of interval mainly metased										
				lower is metavolc; SG 154.53=2.64, 157.58=2.66,										
				160.62=2.66										
160.62	163.67	3.05		Metavolc, chloritic, med yel grn, soft, well bedded										
				prob tuffaceous										
163.67	178.31	14.64		Phyllite, graphitic, loc sheared, 70°-45°, occ gouge										
				zone to 0.3 m, qv to 10 cm "generally but			163.98	167.94	3.96		23	9	60	
				patchily calcareous musc phyllites of Yukon			167.94	173.43	5.49		32	23	60	
				Revenue Facies v similar to T-79-19"(DSJ)			173.43	178.00	4.57		17	10	23	
				SG 166.42=2.61, 170.99=2.69, 174.65=2.82,										
				177.69=2.62										
178.31	182.58	4.27		Metavolc, med grey-grn, tuffaceous, not usual,										
				strongly foliated, carbonated, flow on tuff										
				SG 181.36=2.84										
182.58	184.71	2.13		Phyllite, graph, good fol 60°-75°, occ qv white &										
				carb pk to 2 cm grey calcareous KS-YRF										
				SG 184.40=2.75										
184.71	186.84	2.13		Metavolc, yell grn, fol occ strk grn fuchite, minor										
				diss sulp bleached appearance										
186.84	192.63	5.79		Phyllite, partly graphitic, interbedded with tuff										
				and white carb bands calcareous (YR facies,			186.84	188.98	2.14		64	12	55	
				phyllitic marble - DSJ) SG 192.02=2.82			188.98	192.63	3.65		26	13	38	
192.63	194.76	2.13		Phyllite, graphitic, 80%, local gouge to 10 cm,										

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SHEET NUMBER 6 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE				ASSAYS ppm						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES)				Cu	Pb	Zn		
							FROM	TO	WIDTH	RCVRY					
				common fol 75°, minor sulps 10 cm qv @ 1 c, calc phyllite of YR facies SG 194.46=2.73											
194.76	195.37	0.61		Phyllite marble, bleached yell-grn massive, soft and calcareous vague 75°											
195.37	199.95	4.58		Phyllite? Calc silicate, creamy grey-white, siliceous, non-calc, vague swirled bedding foliated @ LC, poss @ qte SG 197.20=2.57, 199.95=2.73											
199.95	203.30	3.35		Metavolc, flow top qv's separate greenish flow seg- ments, grn= fg med grn SG 203.30=2.70											
203.30	207.26	3.96		Phyllite, graphitic, num qtz wh & occ carb wh vein- lets, SG 206.34=2.91			203.30	208.17	4.87		15	16	31		
207.26	211.83	4.57		Metavolc, same as 199.95, green with quartz veins, increased in number of graphitic bands toward LC SG 209.39 =2.69											
211.83	220.67	8.84		Phyllite, graphitic, v slightly calcareous, calc musc phyll of YRF SG 212.45=2.74, 216.71=2.16, 219.46=2.65			212.45	215.49	3.04		23	30	66		
							215.49	218.54	3.05		27	16	80		
							218.54	220.67	2.13		54	23	81		
220.67				Foot of hole											
				NOTES: (See page 7)											

