VANGORDA CRUM

DIAMOND DRILL RECORDS

A-16 to 30

July/74 - August/74

018533

A16 to A30 (Typed)

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 16 PAGE 1 of 4

LATITUDE 98 W 11466.44 7255.62 BEARING OF HOLE — STARTED June 26/74

DEPARTURE 12 N DIP OF HOLE - 90° COMPLETED July 5/74

ELEVATION 819' P.A. Topog. 4292' A.S.L. +42 = (1308.20m) DIP TESTS 0-9' = NW; 9-33' BW; 33-999' BQ DEPTH ULTIMATE: 999' (304.50m)

CLAIM No. CHUCK 6 (E. Boundary) or CHUCK 1 (W Boundary)

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

HOLE SIZE:

Error: from topo map (1321)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
0	8.53M 28	Overburden. Between 23-33', (1' recovered), fragments of granite, black volcanic and schist. QUARTZ - CHLORITE - SER PHYLLITE					
28	110 33.5 M	Pale green sericite chlorite phyllite. White quartzo-feldspathic laminae define folded F_1. Many quartz veins. S					
110	50.6 166	QTZ-CHL-SER PHY Same pale green, locally greyer, chlorite sericite phyllite. F_1 locally subv. to F_2. Minor pyrite. S					
166	189 57.6	QTZ-SER-CHL PHY More grey than green chlorite-sericite phyllite. Minor pyrrhotite at 173. S					
189	217 66.1	QTZ-SER PHY Pale grey mica phyllite. Thinly laminated: grey-blue. Sericite, mica, chlorite (locally greenish) laminae alternate with thin white quartzo-feldspathic layers. S Note leaf pyrite in foliation.					
217	240 73.1	Same grey, locally green, chlorite sericite, mica phyllite. F_1 subvert. to F_2. Kink bands at 233'. Chlorite rich near quartz veins. Minor pyrite. S					
240	77.4 254	Same grey phyllite, locally kink banded. Brecciated at 249 for 1'. Quartzo-feldspathic laminae. Minor pyrite. AA S					
254	258 78.6	Black graphitic phyllite. Pyrite blebs, quartz veins. G					
258	261 79.5	QTZ-SER-CHL PHY Green-grey chlorite rich phyllite S					
261	308 93.9	QTZ-SER-GRAPH PHY Grey moderately graphitic phyllite, with subisoclinal F_2 folds defined by thin (.5 mm) quartzo-feldspathic F_1 layers. Minor pyrite. G					
308	101.8 334	QTZ-SER-GRAPH PHY. Same grey moderately graphitic phyllite. Slightly more quartzo-feldspathic laminae. Minor pyrite. G					
334	355 108.2	Grey, striped, phyllite. F_1 subvert. F_2 locally. S					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 16 PAGE 2 of 4

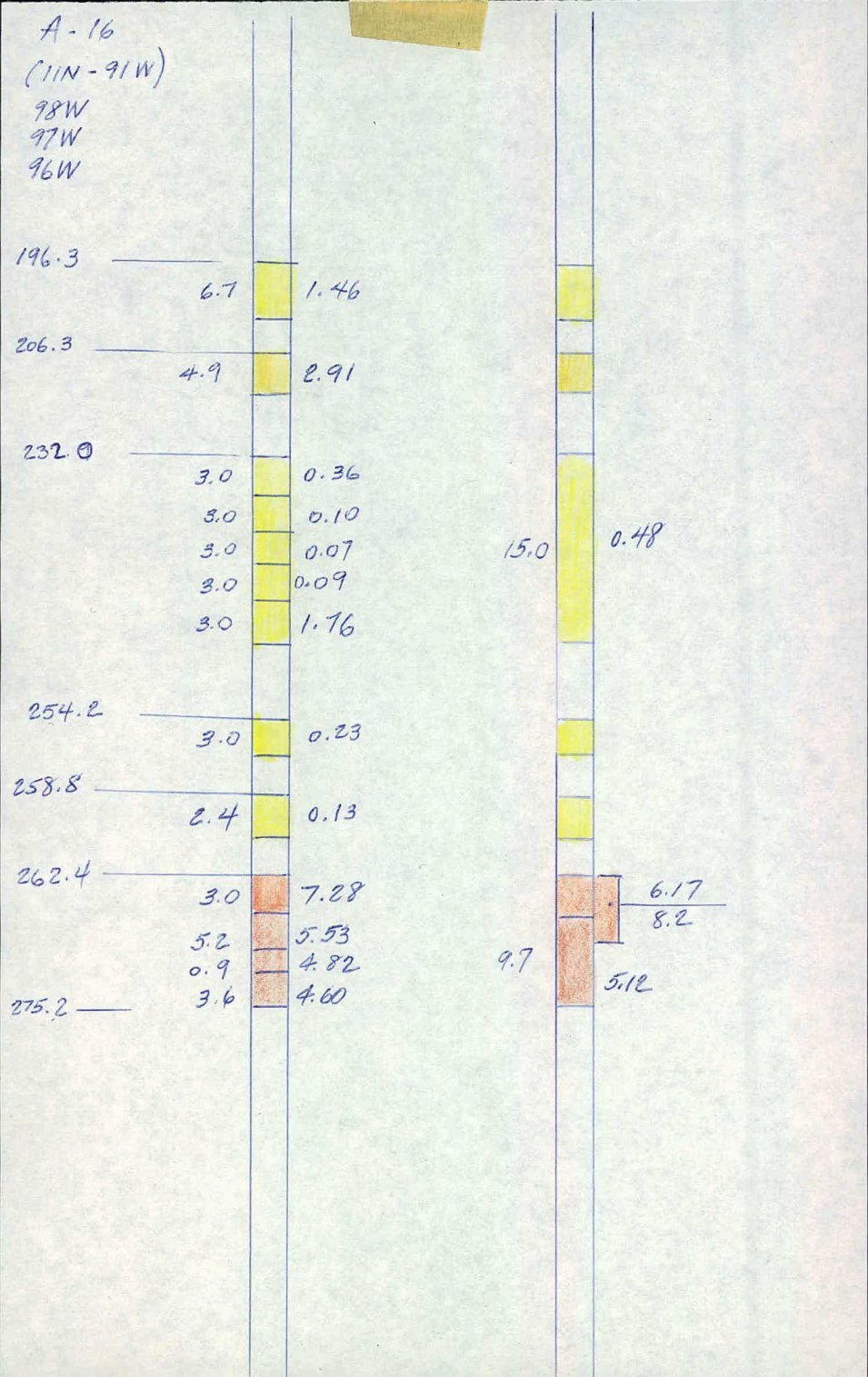
CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
108.2 355	116.6 380	Qtz-Chl-Ser Phy Pale green chlorite rich sericite phyllite which is less banded than grey phyllite. Does however, have thin (2 mm) folded (F_1) ~~quartzo-feldspathic~~ layers which locally have been completely transposed to give mottled 'tuff' appearance. S													
380	405 123.4	Same pale green locally mottled, chlorite sericite phyllite. Quite micaceous. S													
405	130.7 429	Same phyllite. S													
429	154.7 507.5	Same pale green chlorite-sericite phyllite. Note soft soapy, white layers of sericite (3-4 mm). Possibly altered. S													
507.5	527 160.6	Same pale green chlorite sericite phyllite quartz bands. S													
527	552 168.2	Same pale green chlorite sericite phyllite, F_1 subvert high angle to F_2. S													
552	178.0 584	Same pale green striped chlorite rich phyllite. Which is mottled at 576'. Possible meta-tuff or transposed quartzo-feldspathic layers. S													
584	195.0 640	Same pale green chlorite sericite phyllite. Blebs pyrrhotite at 632'. S													
640	666 202.9	Grades to dark grey, locally black, variably graphitic phyllite G Mineralized From 644': Mainly pyrrhotite with minor pyrite, galena, sphalerite, locally up to 30%. Concentrated in both F_1 and F_2. Minimum concentrate in both planes. P		2635	644	666	22	.68	.78	.66	.005	.03			
666	676 206.0	Pale green chlorite sericite phyllite. Minor pyrite. S	1/1.0	—	666	667	—								

plot


A-16
(11N-91W)
98W
97W
96W
196.3
6.7
1.46
206.3
4.9
2.91
232.0
3.0
0.36
3.0
0.10
3.0
0.07
3.0
0.09
3.0
1.76
254.2
3.0
0.23
258.8
2.4
0.13
262.4
3.0
7.28
5.2
5.53
0.9
4.82
3.6
4.60
275.2
15.0
0.48
6.17
8.2
9.7
5.12

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 16 PAGE 3 of 4

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
206.0 676	226.2 742	Grey to black variably graphitic phyllite with local zones of chlorite rich phyllite ex 702-4, 706. G		2636	677	693	16	1.19	1.72	.60	.01	.03			
		Mineralized: Up to 20% fine grained, disseminated pyrrhotite, pyrite, with minor sphalerite and galena. Mineral proportions vary locally, ex some 2-3' sections quite sphalerite rich. P	68	—	693	761	—								
		Mineralization concentrated in F_2 transposition foliation. Note local tension fractures with pyrrhotite and minor chalcopyrite.													
742	230.4 756	Pale sericite phyllite. Possible bleach zone. Minor pyrite in foliation. S													
756	765 233.2	Black graphitic phyllite: G-P													
		Mineralized: Up to 10-30% disseminated pyrrhotite, pyrite, and thin (1') bands of massive pyrrhotite and pyrite (ex 761.5). Minor sphalerite.													
765	234.4 769	MASSIVE PYRITIC SULPHIDE M													
769	235.9 774	Black weakly mineralized graphitic phyllite. G		2637	761	771	10	.20	.16	.14	.005	.04			
774	246.3 808	Essentially MASSIVE PYRITIC SULPHIDE with sections (764-6') of barren pale bleached sericite phyllite or graphitic phyllite (804-6'). Note Banded, folded, massive pyrite in thin (2-3 mm) layers of black graphitic phyllite. Note also folds in massive sulphide ex 797'. G-P		2638	771	781	10	.09	.01	.28	.02	.02			
				2639	781	791	10	.05	.02	.28	.01	.02			
				2640	791	801	10	.07	.02	.44	.005	.02			
808	246.9 810	Black, quartzose, graphitic phyllite with up to 20-30% of disemminated, fine grained, sphalerite, pyrite galena which is mainly concentrated in F_2 G		Wt. Av.	761	801	40	Trace	Pb Zn,	0.01 Au,	Tr	Cu			
810	254.2 834	Pale bleached sericite phyllite. S		2641	801	811	10	.64	1.12	.52	.01	.02			

DIAMOND DRILL RECORD

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PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 16 PAGE 4 of 4

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
254.2 834	257.2 844	MASSIVE PYRITIC SULPHIDE with 2' parting of mineralized graphitic phyllite. M		2642	834	844	10	.13	.10	.24	.005	.02			
844	849 258.7	Bleached, white, sericite phyllite. S	/5	—	844	849	—								
849	857 261.2	Mainly MASSIVE PYRITIC SULPHIDE in bleached sericite phyllite zone. M		2643	849	857	8	.09	.04	.12	.005	.02			
857	262.7 862	Bleached sericite-chlorite-mariposite phyllite. sb	/4	—	857	861	—								
862	280.4 920	Mineralized, bleached, quartzose, graphitic phyllite. QP		2644	861	871	10	2.30	4.98	.96 (32.9 gm/M.T.)	.01	.03	23.00	49.80	9.60
		Mineralized to 903': Up to 30-40% fine grained, disseminated, sphalerite, galena, pyrite with minor chalcopyrite. Mineral concentrated in both folded F_1 and F_2. Quite sphalerite rich.		2645	871	888	10 17	2.35	3.18	1.24	.02	.05	39.95	54.06	21.08
				2646	888	891	10 3	1.58	3.24	.92	.02	.04	4.74	9.72	2.76
				2647	891	903	12	1.42	3.18	.62	.005	.03	17.04	38.16	7.44
					268.4										
920	999 304.5	Pale grey - green chlorite sericite phyllite. F_1 subvert to F_2. Minor pyrrhotite and pyrite. SP		Wt. Av.	861	888	27.0'	2.33	3.85	1.14 (39.9 gm/M.T.)			62.95	103.86	30.68
				Wt. Av.	888.0	903.0	15.0	1.95	3.19	0.68			21.78	47.88	10.20
		Core angles: 40' - 62°; 60' - 59°; 80' - 54°; 100' - 50°; 120' - 65°; 140' - 67°; 160' - 61°; 180' - 62°; 200' - 60°; 220' - 55°; 240' - 44°; 260' - 84F_2, F_1 subvert; 280' - 81°, F_1 subvert; 300' - $F_2$72; F_1 subvert; 320' - $F_2$70, F_1 subvert; 340' - 74°, F_1 isoclinal; 360' - 86°; 380' 84°, F_1 subvert; 400' - 98°; 420' - 75°, F_1 subv; 640' - 68°; 460' - 72°; 480' - 85°F_2; 500' - 72°; 520 - 84°; 540		" "	871.0	903.0	32.0'	1.93	3.19	0.98 (28.35 gm/M.T.)			61.73	101.94	31.28
					(262.4)	270.66	8.2	2.33	3.85						
					270.66	275.2	4.6								
					265.5	275.2	9.7							45.4	
	999	END OF HOLE			270.70	275.2	4.5								

plot 0.2 oz

plot Tr.

plot

plot

Plot

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 16 PAGE 3 of 4

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
206.0 676	226.2 742	Grey to black variably graphitic phyllite with local zones of chlorite rich phyllite ex 702-4, 706. G P		2636	677	693	16	1.19	1.72	.60	.01	.03			
		Mineralized: Up to 20% fine grained, disseminated pyrrhotite, pyrite, with minor sphalerite and galena. Mineral proportions vary locally, ex some 2-3' sections quite sphalerite rich.	68	—	693	761	—								
		Mineralization concentrated in F_2 transposition foliation. Note local tension fractures with pyrrhotite and minor chalcopyrite.													
742	230.4 756	Pale sericite phyllite. Possible bleach zone. Minor pyrite in foliation. S													
756	765 233.2	Black graphitic phyllite: G-P													
		Mineralized: Up to 10-30% disseminated pyrrhotite, pyrite, and thin (1') bands of massive pyrrhotite and pyrite (ex 761.5). Minor sphalerite.													
765	234.4 769	MASSIVE PYRITIC SULPHIDE M													
769	235.9 774	Black weakly mineralized graphitic phyllite. G		2637	761	771	10	.20	.16	.14	.005	.04			
774	246.3 808	Essentially MASSIVE PYRITIC SULPHIDE with sections (764-6') of barren pale bleached sericite phyllite or graphitic phyllite (804-6'). Note Banded, folded, massive pyrite in thin (2-3 mm) layers of black graphitic phyllite. Note also folds in massive sulphide ex 797'. G.P		2638	771	781	10	.09	.01	.28	.02	.02			
				2639	781	791	10	.05	.02	.28	.01	.02			
				2640	791	801	10	.07	.02	.44	.005	.02			
808	246.9 810	Black, quartzose, graphitic phyllite with up to 20-30% of disemminated, fine grained, sphalerite, pyrite galena which is mainly concentrated in F_2 G		Wt. Av.	761	801	40	Trace	Pb Zn,	0.01	Au,	Tr Cu			plot
810	254.2 834	Pale bleached sericite phyllite. S		2641	801	811	10	.64	1.12	.52	.01	.02			plot

DIAMOND DRILL RECORD

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PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 16 PAGE 4 of 4

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
254.2 834	257.2 844	MASSIVE PYRITIC SULPHIDE with 2' parting of mineralized graphitic phyllite. M		2642	834	844	10	.13	.10	.24	.005	.02			
844	849 258.7	Bleached, white, sericite phyllite. S	/5	—	844	849	—								
849	857 261.2	Mainly MASSIVE PYRITIC SULPHIDE in bleached sericite phyllite zone. M		2643	849	857	8	.09	.04	.12	.005	.02			
857	862 262.7	Bleached sericite-chlorite-mariposite phyllite. sb	/4	—	857	861	—								
862	920 280.4	Mineralized, bleached, quartzose, graphitic phyllite. Q P		2644	861	871	10	2.30	4.98	.96 (32.9 gm/M.T.)	.01	.03	23.00	49.80	9.60
		Mineralized to 903': Up to 30-40% fine grained, disseminated, sphalerite, galena, pyrite with minor chalcopyrite. Mineral concentrated in both folded F_1 and F_2. Quite sphalerite rich.		2645	871	888	10 17	2.35	3.18	1.24	.02	.05	39.95	54.06	21.08
				2646	888	891	10 3	1.58	3.24	.92	.02	.04	4.74	9.72	2.76
				2647	891	903	12	1.42	3.18	.62	.005	.03	17.04	38.16	7.44
920	999 304.5	Pale grey - green chlorite sericite phyllite. F_1 subvert to F_2. Minor pyrrhotite and pyrite. S P		Wt. Av Wt. Av.	861 888.0	888 903.0	27.0 15.0	2.33 1.95	3.85 3.19	1.14 (39 gm/M.T.) 0.68			62.95 21.78	103.86 47.88	30.68 10.20
		Core angles: 40' - 62°; 60' - 59°; 80' - 54°; 100' - 50°; 120' - 65°; 140' - 67°; 160' - 61°; 180' - 62°; 200' - 60°; 220' - 55°; 240' - 44°; 260' - 84 F_2, F_1 subvert; 280' - 81°, F_1 subvert; 300' - F_2 72; F_1 subvert; 320' - F_2 70, F_1 subvert; 340' - 74°, F_1 isoclinal; 360' - 86°; 380' 84°, F_1 subvert; 400' - 98°; 420' - 75°, F_1 subv; 640' - 68°; 460' - 72°; 480' - 85° F_2; 500' - 72°; 520 - 84°; 540		" "	871.0	903.0	32.0	1.93	3.19	0.98 (33.35 gm/M.T.)			61.73	101.94	31.28
					(262.4)	270.66	8.2	2.33	3.85						
					270.66	275.2	4.6								
					265.5	275.2	9.7							45.4	
	999	END OF HOLE			270.70	275.2	4.5								

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 17 PAGE 1 of 4

LATITUDE 10 485.40 N 4+02S BEARING OF HOLE _____ STARTED June 29/74

DEPARTURE 7567.43 E 68W DIP OF HOLE Vertical COMPLETED July 10/74

699.2' P.A. Topog. Map

ELEVATION 4172' A.S.L. (1284.51m) DIP TESTS _____ DEPTH 929' (283.16m)

N

CLAIM No. GRUM 3

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
	8.2m						
0	27	Overburden					
	42.m						
27	138	BLACK GRAPHITIC PHYLLITE, with thin (1-2") zones of pale green phyllite. G Locally striped; quartzo-feldspathic laminae. Chlorite-quartz veins. Pyrite blebs (1/2"). Minor pyrrhotite. F_1 locally subvertical to F_2					
	48.3m						
138	152	Pale GREEN CHLORITE SERICITE PHYLLITE. F_1 subvertical to F_2. CS					
	53m						
152	174	GREY, locally Graphitic, PHYLLITE. Minor pyrrhotite. G					
	55.7m						
174	183	PALE GREEN ALTERED CHLORITE SERICITE PHYLLITE. looks sheared. Cs					
	68.5m	C					
183	225	GREY-GREEN CHLORITE RICH PHYLLITE. Unit varies from green chlorite rich phyllite to dark grey phyllite. Minor red biotite in grey phyllite. Tension gashes of quartz and carbonate.					
	70.1m						
225	230	BLACK GRAPHITIC PHYLLITE. G					
	74.m	CS					
230	243	PALE GREEN, BUFF CHLORITE SERICITE PHYLLITE. Note buff altered sericite and carbonate in foliation. Minor biotite.					
243	250 76.2m	Mud seam of BLACK GRAPHITIC PHYLLITE. G Δ					
250	273 83.2m	GREY, locally greenish, moderately graphitic, PHYLLITE. Brecciated at 267'. G Blebs pyrite. F_2 folds.					
	84.7m						
273	278	PALE GREEN CHLORITE PHYLLITE. C					
	107.8m						
278	354	GREY, MODERATELY GRAPHITIC PHYLLITE. Quartzo-feldspathic laminae define F_2 folds. Circular (boudins) of black graphitic phyllite. Minor pyrrhotite. G					
354	405 123.4m	BLACK GRAPHITIC PHYLLITE. Fine grained, mica rich. Minor pyrite. Quartz carbonate tension gashes. G					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 17 PAGE 2 of 4

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag	
123.1	161.5m	G														
405	530	GREY MODERATELY GRAPHITIC PHYLLITE. Greenish cast where chlorite rich. Boudined fragments of black graphitic phyllite. Minor pyrite in thin quartzo-feldspathic laminae.														
	173.4m	G														
530	569	Black graphitic phyllite. F_1 subvertical to F_2. Quartz veins to 6" wide.														
		C														
569	598	GREY, locally greenish, PHYLLITE. Abundant quartzo-feldspathic laminae. Green chlorite and mariposite in quartz veins. Minor pyrite and pyrrhotite.														
	182.2m	G														
598	678	Grades to darker grey to black, striped graphitic phyllite with thin quartzo-feldspathic laminae. F_1 subvertical to F_2. Minor pyrite, pyrrhotite blebs (1/4") or in thin fractures. Note boudined graphitic layers.														
	206.6m															
	210.3m	Cs														
678	689	GREY, locally greenish, PHYLLITE (chlorite, sericite, mica). Fractures filled with quartzo-feldspathic material. Fine grained pyrrhotite, pyrite with minor red sphalerite, galena at 679 - 681.														
		M														
689	700	MASSIVE pyrrhotitic SULPHIDE. 80-90% sulphide. Chalcopyrite in blebs and late fractures.	11/11	2648	689	700	11	1.98	1.54	.78	.005	.45				plot
	213.3m	Mineralization: pyrrhotite, pyrite, sphalerite, galena, chalcopyrite. Core angles, 680' = 80°; 695' = 25°; 700' = 68°														
	217.0m	G														
700	712	BLACK GRAPHITIC PHYLLITE with thin (1-3') bands of sericite phyllite. Mineralized: This bands (6"-1') of pyrrhotite rich sulphide. Weakly mineralized phyllite.	12/12	2649	700	710	10	.34	.26	.18	.005	.07				plot
	221.8m	M														
712	728	MASSIVE BANDED PYRITIC SULPHIDES. Sericite schist gangue. Last 2' sericite breccia and angular white quartz, buff feldspar fragments. Mineralogy: Pyrite, pyrrhotite, galena, orange	10/10	2650	710	720	10	1.83	1.40	.80	.01	.25	32.30 PbZn			

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 17 PAGE 1 of 4

LATITUDE 10 485.40 N 4+02S BEARING OF HOLE ____ STARTED June 29/74

DEPARTURE 7567.43 E 68W DIP OF HOLE Vertical COMPLETED July 10/74

699.2' P.A. Topog. Map

ELEVATION 4172' A.S.L. (1284.51m) DIP TESTS ____ DEPTH 929' (283.16m)

CLAIM No. GRUM 3

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
	8.2m						
0	27	Overburden					
	42.m						
27	138	BLACK GRAPHITIC PHYLLITE, with thin (1-2") zones of pale green phyllite. G Locally striped; quartzo-feldspathic laminae. Chlorite-quartz veins. Pyrite blebs (1/2"). Minor pyrrhotite. F_1 locally subvertical to F_2					
	48.3m						
138	152	Pale GREEN CHLORITE SERICITE PHYLLITE. F_1 subvertical to F_2. CS					
	53m						
152	174	GREY, locally Graphitic, PHYLLITE. Minor pyrrhotite. G					
	55.7m						
174	183	PALE GREEN ALTERED CHLORITE SERICITE PHYLLITE. looks sheared. Cs					
	68.5m						
183	225	GREY-GREEN CHLORITE RICH PHYLLITE. Unit varies from green chlorite rich phyllite to dark grey phyllite. Minor red biotite in grey phyllite. Tension gashes of quartz and carbonate. C					
	70.1m						
225	230	BLACK GRAPHITIC PHYLLITE. G					
	74.m						
230	243	PALE GREEN, BUFF CHLORITE SERICITE PHYLLITE. Note buff altered sericite and carbonate in foliation. Minor biotite. CS					
243	250 76.2m	Mud seam of BLACK GRAPHITIC PHYLLITE. G-Δ					
250	273 83.2m	GREY, locally greenish, moderately graphitic, PHYLLITE. Brecciated at 267'. Blebs pyrite. F_2 folds. G					
273	84.7m 278	PALE GREEN CHLORITE PHYLLITE. C					
	107.8m						
278	354	GREY, MODERATELY GRAPHITIC PHYLLITE. Quartzo-feldspathic laminae define F_2 folds. Circular (boudins) of black graphitic phyllite. Minor pyrrhotite. G					
354	405 123.4m	BLACK GRAPHITIC PHYLLITE. Fine grained, mica rich. Minor pyrite. Quartz carbonate tension gashes. G					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 17 PAGE 2 of 4

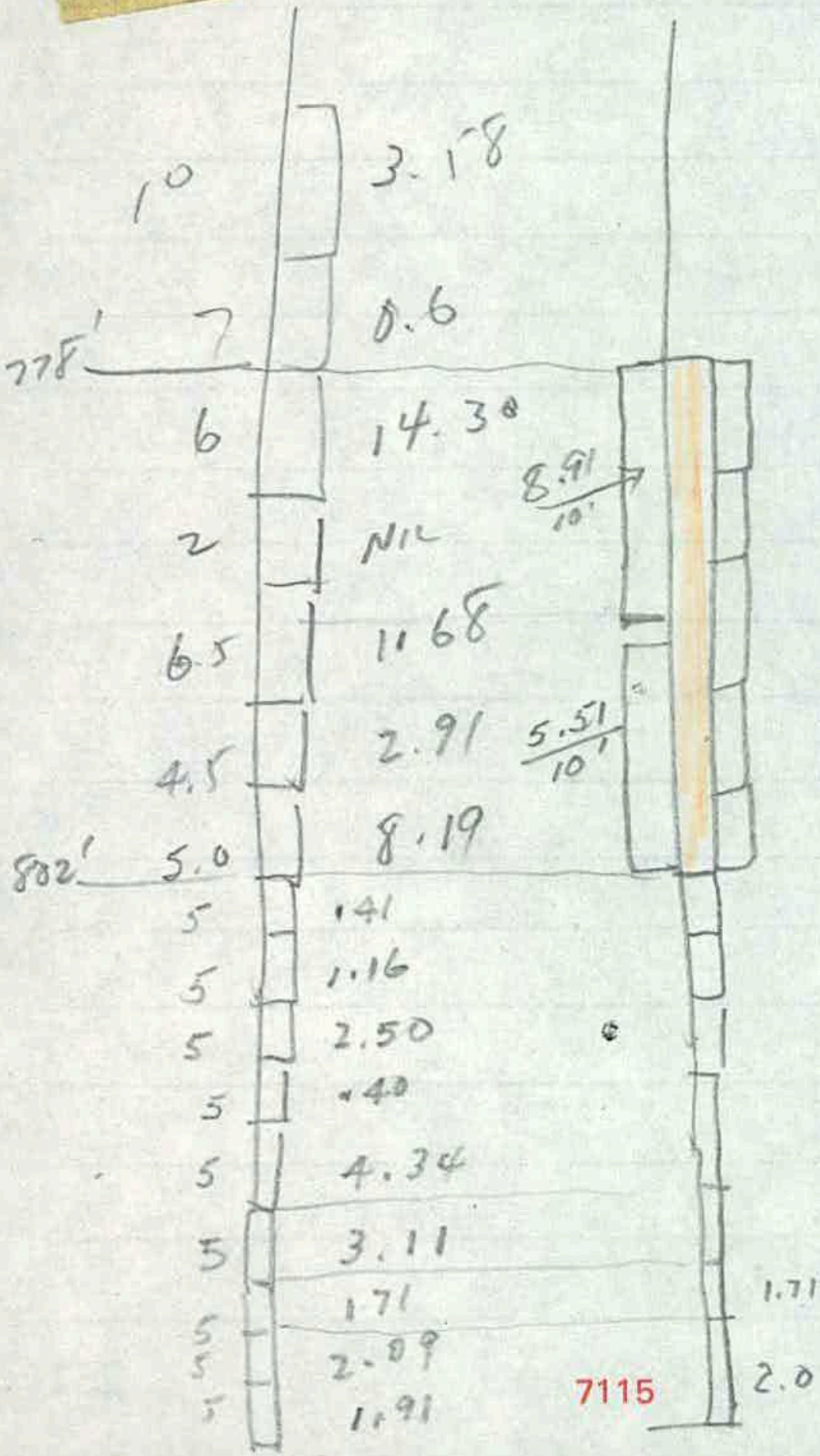
CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
123.4	161.5m														
405	530	G GREY MODERATELY GRAPHITIC PHYLLITE. Greenish cast where chlorite rich. Boudined fragments of black graphitic phyllite. Minor pyrite in thin quartzo-feldspathic laminae.													
530	569	173.4m Q Black graphitic phyllite. F_1 subvertical to F_2. Quartz veins to 6" wide.													
569	598	C GREY, locally greenish, PHYLLITE. Abundant quartzo-feldspathic laminae. Green chlorite and mariposite in quartz veins. Minor pyrite and pyrrhotite.													
598	678	182.2m G Grades to darker grey to black, striped graphitic phyllite with thin quartzo-feldspathic laminae. F_1 subvertical to F_2. Minor pyrite, pyrrhotite blebs (1/4") or in thin fractures. Note boudined graphitic layers.													
678	689	206.6 210.0m Cs GREY, locally greenish, PHYLLITE (chlorite, sericite, mica). Fractures filled with quartzo-feldspathic material. Fine grained pyrrhotite, pyrite with minor red sphalerite, galena at 679 - 681.													
689	700	M MASSIVE pyrrhotitic SULPHIDE. 80-90% sulphide. Chalcopyrite in blebs and late fractures.	11/11	2648	689	700	11	1.98	1.54	.78	.005	.45			plot
		Mineralization: pyrrhotite, pyrite, sphalerite, galena, chalcopyrite. Core angles, 680' = 80°; 695' = 25°; 700' = 68°													
700	712	213.3m 217.0m G BLACK GRAPHITIC PHYLLITE with thin (1-3') bands of sericite phyllite. Mineralized: This bands (6"-1') of pyrrhotite rich sulphide. Weakly mineralized phyllite.	12/12	2649	700	710	10	.34	.26	.18	.005	.07			plot
712	728	221.8m M MASSIVE BANDED PYRITIC SULPHIDES. Sericite schist gangue. Last 2' sericite breccia and angular white quartz, buff feldspar fragments. Mineralogy: Pyrite, pyrrhotite, galena, orange	10/10	2650	710	720	10	1.83	1.40	.80	.01	.25	32.30 PbZn		

A-17


10
3.18
7
8.6
778'
6
14.38
8.91
10'
2
Nil
6.5
11.68
4.5
2.91
5.51
10'
5.0
8.19
882'
5
1.41
5
1.16
5
2.50
5
.40
5
4.34
5
3.11
1.71
5
1.71
5
2.09
5
1.91
7115
2.0

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

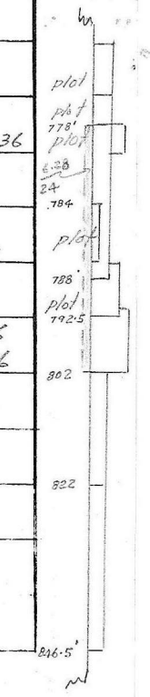
ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 17 PAGE 3 of 4

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		sphalerite, Chalcopyrite, 70-80% Sulphide.	8/8	2651	720	728	8	1.70	1.42	.76	.005	.24	24.96 Pb2n		
221.6 728	221.0m 745	BLACK, Striped, GRAPHITIC PHYLLITE. Quartz veins. Minor pyrite.	Wt. Av /17		710 728	728 745	18.0	3.18 Pb2n					57.26 Pb2n		
745	753	MASSIVE PYRITIC SULPHIDE. Sericite phyllite gangue. 70% sulphide.	8/8	2652	745	753	8	1.88	1.18	.92	.005	.17			
		Mineralogy: pyrite, pyrrhotite, galena, minor sphalerite, chalcopyrite in late veins.													
		Core angle - 754' = 62°													
753	761 231.9	DARK GREY, BLACK GRAPHITIC PHYLLITE; Note quartz veins with arsenopyrite crystals (3/4")	/8		753	761									
761	784	MASSIVE SULPHIDE. 70-80% Sulphide. Banded pyrite, pyrrhotite	10/10	2653	761	771 (235)	10	2.00	1.58	1.00	.005	.30			
236.9	239.1	with less galena, sphalerite, chalcopyrite in late veins. Note	7/7	2654	771	778 (784)	7	.30	.30	.32	.01	.22			
		780-784 more orange sphalerite and white barite. Gangue	6/6	2655	778	784	6	6.38	7.92	2.56	.03	.23	38.28	47.52	15.36
		mainly brecciated sericite phyllite.				(238.4)									
		Core angle: 762' = 67°; 770' = 77°; 782' = 65°													
784	239.8 787	PALE BLEACHED QUARTZ SERICITE PHYLLITE	/2	~~2656~~	784	786							—	—	—
787	257.m 844.5	BANDED MASSIVE OR DISSEMINATED PYRITE SULPHIDE (80% sulphide)	65/65	2656	786	792.5	6.5	1.03	.65	.48	.005	.10			
		Mineralized sericite phyllite (to 800') with massive pyritic	45/45	2657	792.5	797	4.5	1.83	1.08	.80	.005	.10	8.235	4.86	3.6
		sulphide in 1' bands (60% min) Local breccia zones (745-798).	5/5	2658	797	802	5.0	3.15	5.04	1.32	.04	.21	15.900	25.2	6.6
		Barite in fractures. Min. silic. black grey phyllite (80%	5/5	2659	802	807	5.0	.25	.16	.14	.005	.17			
		sulphide) with bands of sericite phyllite (818-828'). Locally	5/5	2660	807	812	5.0	.50	.66	.18	.005	.13			
		brecciated. Sulphides: pyrite, pyrrhotite, galena, red-orange	4.8/5	2661	812	817	5.0	.98	1.52	.52	.02	.22			
		sphalerite. minor chalcopyrite. Note blebs of black magnetite	5/5	2662	817	822	5.0	.28	.12	.52	.005	.24			
		(843')	5/5	2663	822	827	5.0	2.50	1.84	1.40	.02	.23			
			4.7/5	2664	827	832	5.0	1.85	1.26	.80	.005	.28			
			5/5	2665	832	837	5.0	1.20	.51	.68	.01	.30			
			5/5	2666	837	842	5.0	1.43	.66	.68	.01	.33			
844.5	283.1m 929	BLACK GRAPHITIC PHYLLITE. Very fine grained with less quartz-	45/45	2667	842	846.5	4.5	1.30	.61	.58	.005	.25			



DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A-17 PAGE 4 of 4

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		feldspar laminae. Note vertical fault breccia fractures infilled with pink calcite. Minor pyrite.
	283.1m 929	END OF HOLE
		Core angles: 40'- 68; 60' - 56; 80' - 73; 100' - 83; 120' - 78; 140' - 78; 160' - 86; 180' - 81; 200' - 72; 220' - 73; 240' - 65; 260' - 70; 280' - 68; 300' - 60; 320' - 63; 340' - 77; 360' - 64; 380' - 73; 400' - 55; 420' - 64; 440' - 70; 460' - 65; 480' - 63.

Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag	
		786.0	788.0	2.0						2.06	1.30	.96	
		778.0	788.0	10.0	4.03	4.88	1.63	wt.av.		40.34	48.82	16.32	plot
		792.0	792.5	.5						.515	.325	.24	
		792.0	802.0	10.0	2.47	3.04	1.04	wt.av.		24.650	30.385	10.44	plot
		802.0	822.0	20.0	1.1	Pb Zn							plot
		822.0	846.5	24.5	2.65	Pb Zn							plot
	wt.av.	778.0	802.0	24.0									

Plotted (Assays)
Geology plotted

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 18 PAGE 1 of 3

LATITUDE 11 118.54 N 2N BEARING OF HOLE _____ STARTED July 7/74

DEPARTURE 7 171.43 E 92W DIP OF HOLE Vertical (-90°) COMPLETED July 13/74

858.7 P.A. Topog. Proposed:

ELEVATION ~~4332'~~ A.S.L. DIP TESTS _____ DEPTH Ultimate: 1188' (448.36

error - from Topo = 1333 m.

CLAIM No. GRUM 1

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	3.66 M														
0	12	OVERBURDEN													
	38.40														
12	126	GREEN GREY CHLORITE PHYLLITE. Thin quartz-feldspar laminae define F_1. Minor pyrite blebs.													
126	410	PALE GREEN, STRIPED, CHLORITE PHYLLITE. Locally chlorite rich with mottled relict? plageoclase - meta tuff? 436', 458'.													
	124.97														
410	450	GREY-GREEN CHLORITE PHYLLITE. Same mineralogy but greyer than above section. Minor pyrite.													
	137.16														
450	674	PALE GREEN CHLORITE PHYLLITE. Minor blebs of pyrite, pyrrhotite.													
	205.44														
674	706	GREY TO BLACK GRAPHITIC PHYLLITE. Striped quartz-feldspar laminae. Tension gashes with quartz-feldspar and carbonate													
	215.19														
	232.56														
706	763	PALE GREEN CHLORITE SERICITE PHYLLITE.													
~~763~~	~~811~~	GREY SERICITE CHLORITE PHYLLITE. Broken, gouged muddy. Core angles locally subvertical.													
	247.19														
		266.40 - 261.82 = 4.58													
811	874	GREY GREEN CHLORITE PHYLLITE. Contains biotite between 859 - 87 Minor pyrrhotite													
	266.40														
874	993	GREEN CHLORITE PHYLLITE. Striped quartz-feldspar laminae. Chlorite - quartz veins. Tension gashes.													
	302.67														
993	1021	BLACK STRIPED GRAPHITIC PHYLLITE. Local layers of buff sericite and zones of green chlorite. Blebs pyrite, pyrrhotite.										116.57			
	311.20														
		M								97.37					
1021	1043	MASSIVE BANDED SULPHIDE. Abrupt junction between phyllite and	5/5	001	1021	1026	5	6.08	11.96	2.84	.02	.14	56.08	59.8	14.2
	317.91	folded pyrrhotite rich sulphide. Mineralogy: pyrrhotite (in 1st	4/4	002	1026	1030	4	5.10	9.53	3.40	.04	.14	20.4	38.12	13.6
		2' of section), pyrite, orange sphalerite, galena, barite,	5/5	003	1030	1035	5	5.48	9.24	3.15	.05	.29	27.4	46.2	15.75
										108.00					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 18 PAGE 2 of 3

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
			5/5	004	1035	1040	5	6.45	10.11	3.55	.05	.20	32.25	50.55	17.75
		minor chalcopyrite.	3/3	005	1040	1043	3	4.43	6.48	2.76	.04	.17	13.29	19.44	8.28
317.91	319.13	Cs			1021.0	1043.0	220	5.64	9.74	3.16	wt. Av		149.42	214.11	49.58
1043	1047	DARK GREEN CHLORITE - SERICITE PHYLLITE. (altered).	/6	—	1043	1049	—								
	320.65	M													
1047	1052	MASSIVE BANDED PYRITIC SULPHIDE - red sphalerite, galena; chalcopyrite in tension gashes, pyrite	5/5	006	1049	1052	3	1.85	2.28	.94	.02	.08			
1052	1057	GREEN CHLORITE - MARIPOSITE PHYLLITE													
	322.17		/5	—	1052	1057	—								
1057	1060	M MASSIVE SULPHIDE: pyrite, sphalerite, barite, galena													
	323.09	Pg+M													
1060	1066	Banded MASSIVE SULPHIDE in mineralized quartz-feldspar	5/5	007	1057	1062	5	6.38	11.54	3.46	.06	.11	31.90	57.70	17.30
	324.92	graphitic phyllite. Pyrite, sphalerite, galena (55% sulphs) (45%)		008	1062	1066	4	3.30	4.98	1.96	.02	.09	13.20	19.92	7.84
	326.44	C			1057	1066	9.0	5.01	8.62	2.79	wt. Av.		45.10	77.62	25.14
1066	1071	GREEN CHLORITE-MARIPOSITE PHYLLITE. Minor pyrite	/5	—	1066	1071	—								
	336.19	Pg													
1071	1103	Mineralized BLACK QUARTZ-FELDSPAR STRIPED GRAPHITIC PHYLLITE.	5/5	009	1071	1076	5	2.78	3.84	1.12	.02	.06	13.9	19.2	5.6
		Mineralization concentrated in both F_1 and F_2 layers.	5/5	010	1076	1081	5	1.58	3.06	.90	.02	.04	7.9	15.3	4.5
		Mineralogy: pyrite, sphalerite, galena, - 40-50% sulphide.	5/5	011	1081	1086	5	1.50	2.58	.70	.02	.05	7.5	12.9	3.5
			6/6	012	1086	1092	6	1.38	2.70	.76	.01	.05	8.28	16.2	4.56
			1/5	013	1092	1097	5	1.40	3.60	1.32	.005	.03	7.0	18.0	6.6
			6/6	014	1097	1103	6	2.20	4.74	2.30	.02	.11	13.2	28.44	13.8
		M													
1103	1113	MASSIVE PYRITIC SULPHIDE. Mineralogy: 80-85% sulphide: pyrite,		015	1103	1108	5	5.93	10.92	3.36	.04	.21	29.65	54.6	16.8
	339.24	sphalerite, galena, barite. Note late fractures with barite		016	1108	1113	5	4.73	7.32	3.12	.02	.25	23.65	36.6	15.6
		rosettes.			1071.0	1081.0	10.0	2.18	3.45	1.01			21.8	34.5	10.1
					~~1092.0~~	1093.0	1.0	1.38	2.70	0.76	wt. Av.		1.38	2.70	0.76
					~~1093.0~~	~~1097.0~~	4.0	3.82	7.27	2.01			15.28	29.1	8.06
					1081.0	1092.0	11.0	1.43	3.11	1.01			15.78	34.2	11.16
					1093.0	1103.0	10.0	3.50	4.28	1.91			35.0	42.84	19.08
					1071.0	1103.0	32.0	1.18	3.44	1.2			57.92	110.08	38.4
1113	1115	GREEN MARIPOSITE PHYLLITE			~~1103.0~~	~~1113.0~~	10.0	5.33	9.12	3.24			53.3	91.2	32.4
	339.85	Pg													
1115	1120	Weakly MINERALIZED BLACK GRAPHITIC PHYLLITE. pyrite, sphalerite,		017	1113	1120	7	.60	.87	.24	.005	.04			
	341.38	minor chalcopyrite and galena. 1-2% Lead Zinc													
		G			1076	1097	21	1.84	2.97	0.912 (31.3)			38.58	62.4	19.16
1120	1188	BLACK GRAPHITIC PHYLLITE. Pyrite in quartz veins at 1175-78'.													
	362.10														

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH

D.D.H. No. A - 18 PAGE 3 of 3

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		Core angles: 20-67°; 40-70°; 60-80°; 80-74°; 100-52°; 120-45°; 140-70°; 160-71°; 180-78°; 200-75°; 220-72°; 240-64°; 260-67°; 280-57°; 300-78°; 320-65°; 340-75°; 360-52°; 380-74°; 400-69°; 420-70°; 440-67°; 460-80°; 480-75°; 500-65°; 520-67°; 540-66°; 560-80°; 580-60°; 600-71°; 620-76°; 640-70°; 660-72°; 680-75°; 700-55°; 710-72°; 740-70°; 760-68°; 780-11°; 785-45°; 800-35°; 820-75°; 840-68°; 860-80°; 880-80°; 900-79°; 920-76°; 940-79°; 960-85°; 980-75°; 1000-70°; 1020-75°; 1040-64°; 1060-65°; 1080-70°; 1100-75°; 1120-60°; 1140-80°; 1066-65°; 1080-65°					
	1188	END OF HOLE					
		Size of Hole: 0 - 9' NW 9 - 13' BW 13 - 1188' BQ					
		Other Notes: 1115' No water return, grout with mud, sawdust and diesel fuel, still no water return to 1188'					
		6.1, 12.2, 18.3, 24.4, 30.5, 36.6, 42.7, 48.7, 54.8, 60.9, 67.0, 73.1, 79.2,					
		85.3, 91.44, 97.5, 103.6, 109.7, 115.8, 121.9, 128.0, 134.1, 140.2, 146.3,					
		152.4, 158.5, 164.6, 170.7, 176.7, 182.9, 188.9, 195.1, 201.2, 207.3,					
		213.4, 216.4, 225.6, 231.6, 237.7, 239.3, 243.8, 249.9, 256.0,					
		262.1, 268.2, 274.3, 280.4, 286.5, 292.6, 298.7, 304.8,					
		310.9, 316.9, 323.1, 329.2, 335.3, 341.4, 347.5, 353.6, 359.6					

DIAMOND DRILL RECORD

LOGGED BY M. de Quadros

PROPERTY VANGORDA, GRUM JOINT VENTURE
HIW LINE GRID BY SPERRY SUN

LATITUDE 36,474.15N 4N BEARING OF HOLE

DEPTH	BRG.	DIP
0		90°
100'	113°	20' 84°
300'	97°	20' 81°
700'	136°	20' 78° 4'
900'	106°	20' 77°
1100'	123°	20' 74°
1440'	95°	20' 77°

DEPARTURE 23,528.32E L 84W DIP OF HOLE BY SPERRY SUN

ELEVATION 4331.83' 4302' DIP TESTS

STARTED July 9, 1975

COMPLETED July 14, 1975

Proposed:

DEPTH Ultimate: 448.4m

D.D.H. No. 75-A18 (deepened) PAGE 1 of 3

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

metres

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	361.8	See log for 74-A18													
361.8	376.6	G QUARTZ - GRAPHITE PHYLLITE Dark gray													
		Banded, well foliated, fissile rock, displaying both F1 and F2 with minor sericitic bands. Competent. F2 70°. Box-shaped fold at													
		368.3 -- with subhorizontal axis. Pyritic.	8.0/ 8.2		361.8	370.0									
		361.8-370.0 -- competent, banded with minor sericitic bands													
		-375.7 -- very broken, gougy unbanded, very graphitic	5.1/ 5.7			375.7									
		-376.6 -- unbanded, massive. F2 75-80°.	0.9/ 0.9			376.6									
376.6	389.5	Sa QUARTZ - SERICITE ± GRAPHITE PHYLLITE Medium to light gray													
		Banded rock, well foliated with F2 well developed. F1 seen in more graphitic zones. F2 consistently 70-80°. Strongly	12.5/		376.6	389.5									
		graphitic zones up to 0.3m. White quartz layers up to 0.5m. Disseminated pyrite and pyrrhotite in the quartz and graphitic													
		layers.													
389.5	395.7	S QUARTZ - SERICITE PHYLLITE Light gray													
		Competent massive rock with poorly developed foliation. F2 when visible is variable, with folds at 390.7-391.1 and 391.6-	2.5/ 2.5		389.5	392.0									
		391.8. Brecciated and recemented from 392.0-393.2. Apart from the folds, F2 is 70°. Gradational contacts above and below.	0.9/ 1.2			393.2									
			2.3/ 2.5			395.7									

DIAMOND DRILL RECORD

LOGGED BY M. de Quadros

PROPERTY

D.D.H. No. 75-A18 PAGE 2 of 3

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

metres ~~FOOTAGE~~ FROM	TO	DESCRIPTION	Rec. Ft.	Sample No.	metres ~~Footage~~ From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x metres ~~Feet~~ Pb	Zn	Ag
		Ks													
395.7	420.5	QUARTZ - CALCITE - SERICITE PHYLLITE Light gray													
		Thinly banded, well foliated, competent rock. Banded, white bands calcite. Numerous vertical to subvertical fractures	22.2/ 23.0		397.5	420.5									
		cemented with calcite. Minor slips occur at fractures. F2 generally consistent, ranging from 70-80° with clean partings.													
		Disseminated pyrite and pyrrhotite throughout the unit. Slightly graphitic at 399.3-399.7 and 400.3-400.9.													
		398.5-399.3 -- large open fold, axis horizontal at 399.0 401.8-402.1 -- F2 veers to 60°.													
		410.1-411.0 -- graphitic, massive 412.7-413.7 -- blebs of pyrite and pyrrhotite													
		413.7-419.5 -- massive, very flat folds with horizontal axis. F2 80-85°.													
		-420.5 -- slightly brecciated with calcite/quartz veins. Minor pyrite and pyrrhotite. F2 changes to 60°.													
		M													
420.5	426.6	MASSIVE SULPHIDE WITH MINERALIZED PHYLLITES													
		420.5-421.9 -- with barite. 70% pyrite, 12-13% lead-zinc	1.4	2436	420.5	421.9	1.4	5.70	8.11	2.71			7.98	11.354	3.794
		-423.4 -- quartz-sericite phyllite. 15% pyrite, 3-4% lead-zinc.	1.5	2437		423.4	1.5	1.28	1.42	.59			1.92	2.130	.885
		-425.8 -- with barite. 70% pyrite, 14-16% lead-zinc	2.4	2438		425.8	2.4	4.13	7.56	2.35			11.352	18.144	5.640
		-426.6 -- quartz-graphite phyllite. 5-6% pyrite, 1-2% lead-zinc	0.8/ 0.8			426.6		1.5	P2 est						
			Wt Average		420.5	426.6	5.3	4.01	5.97	1.95			21.252	31.628	10.319
		G													
426.6	448.4	QUARTZ - GRAPHITE PHYLLITE Dark gray													
		Partly gougy. F2 variable. Minor white quartz. 426.6-427.4 -- gouge - black,	6.2/ 6.6		426.6	443.2									

DIAMOND DRILL RECORD

LOGGED BY M. de Quadros

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

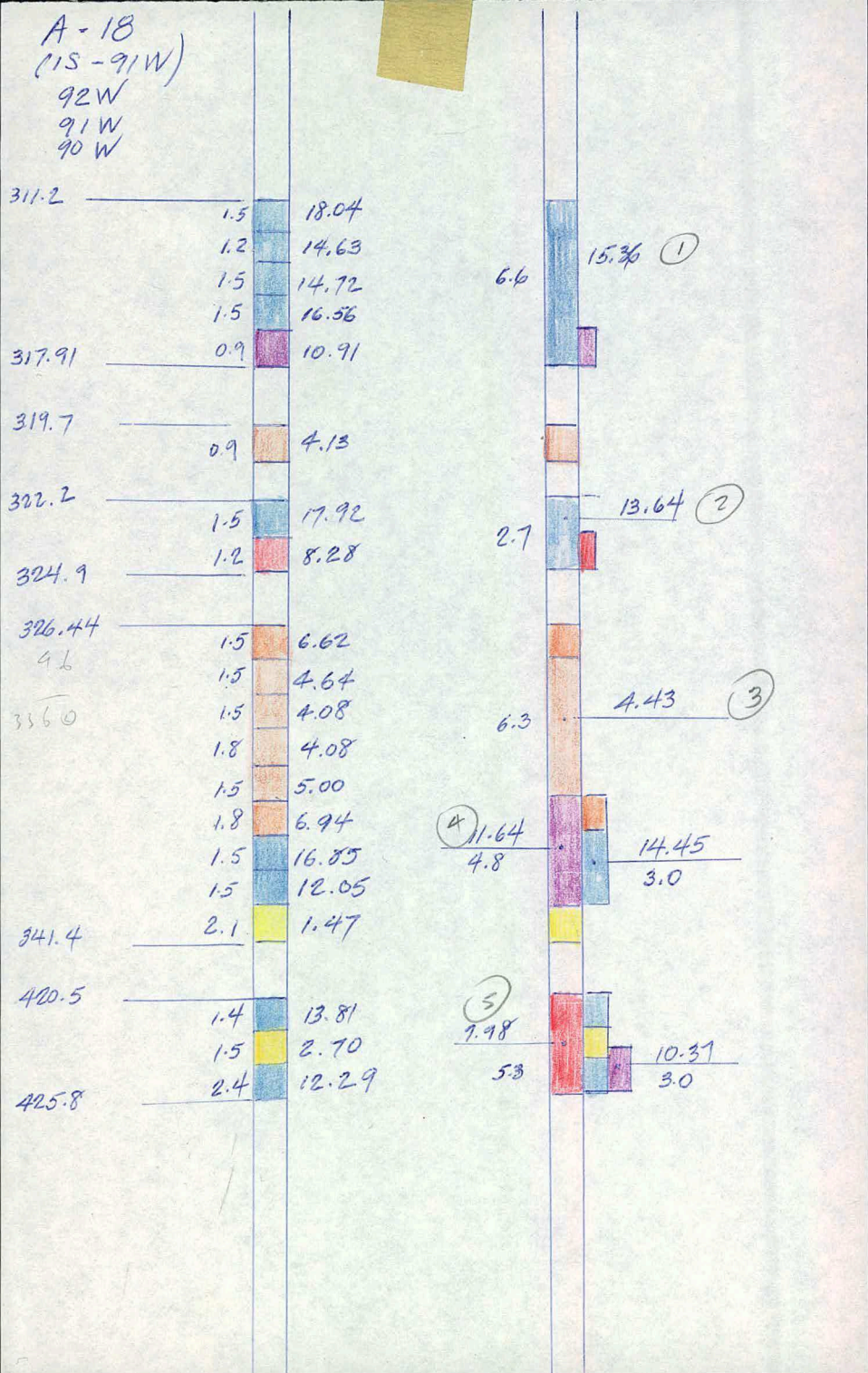
D.D.H. No. 75-A18 PAGE 3 of 3

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

~~FOOTAGE~~ metres FROM	TO	DESCRIPTION	Rec. Ft.	Sample No.	~~Footage~~ metres From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x Feet Pb	Zn	Ag
		427.4-428.1 -- black. F2 70-80°.	7.5/ 7.7			440.9									
		-429.0 -- white quartz with phyllite zenoliths	6.1/ 7.5			448.4									
		-448.4 -- black, sheared graphite phyllite. Pyritised in parts up to 3-4%, especially near white quarts. Fractured, healed with white quarts. Pyrrhotite and copper dissemination. Folds at 430.1-431.3 - axis horizontal at 430.6 442.4-448.4 -- thinly banded by contorted F1 surfaces. Both open and isoclinal folds. Crests often broken and infilled with quartz and pyrite. F2 very variable 30-90°. Partly bleached 446.8-447.9.													
	448.4	END OF HOLE													
		REMARKS: 1. Relatively hard drilling due to sanding of hole.													


A-18
(15-91W)
92W
91W
90W
311.2
1.5
18.04
1.2
14.63
1.5
14.72
1.5
16.56
317.91
0.9
10.91
319.7
0.9
4.13
322.2
1.5
17.92
1.2
8.28
324.9
326.44
1.5
6.62
1.5
4.64
1.5
4.08
1.8
4.08
1.5
5.00
1.8
6.94
1.5
16.55
1.5
12.05
341.4
2.1
1.47
400.5
1.4
13.81
1.5
2.70
425.8
2.4
12.29
6.6
15.36
(1)
13.64
(2)
2.7
4.43
(3)
6.3
(4)
11.64
4.8
14.45
3.0
(5)
7.98
5.3
10.31
3.0

CALCULATIONS IN METRES (1)

LOGGED BY _____ D.D.H. No A-18 PAGE _____

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
					311.2	312.7	1.5	6.08	11.96	97.37			9.12	17.94	146.06
						313.9	1.2	5.10	9.53	116.57			6.12	11.44	139.88
						315.5	1.5	5.48	9.24	108.00			8.22	13.86	162.00
						316.9	1.5	6.45	10.11	121.71			9.68	15.17	182.57
						317.9	0.9	4.43	6.48	94.63			3.99	5.83	85.17
			(1)	WT. AV.	311.2	317.9	6.6	5.63	9.73	108.44			37.13	64.24	715.68
					322.2	323.7	1.5	6.38	11.54	118.63			9.57	17.31	177.95
						324.9	1.2	3.30	4.98	67.20			3.96	5.98	80.64
			(2)	WT. AV.	322.2	344.9	2.7	5.01	8.63	95.77			13.53	23.29	258.59
					327.9	329.5	1.5	1.58	3.06	30.86			2.37	4.59	46.29
						331.0	1.5	1.50	2.58	24.00			2.25	3.87	36.00
						332.8	1.8	1.38	2.70	26.06			2.48	4.86	46.91
						334.4	1.5	1.40	3.60	45.26			2.10	5.40	67.89
						336.2	1.8	2.20	4.74	78.86			3.96	8.53	141.95
						337.7	1.5	5.93	10.92	115.20			8.90	16.38	172.8
						339.2	1.5	4.73	7.32	106.97			7.10	10.98	160.46

LOGGED BY _____ D.D.H. No A-18 PAGE _____

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
			(3)	Wt. Av.	327.5	334.4	6.3	1.46	2.97	31.28			9.20	18.72	197.09
			(4)	"	334.4	339.2	4.8	4.16	1.48	99.00			19.96	35.89	475.21
				"	336.2	339.2	3.0	5.33	9.12	111.09			16.0	27.36	333.26
					420.5	421.9	1.4	5.70	8.11	92.91			7.98	11.35	130.07
						423.4	1.5	1.28	1.42	20.23		x.6	0.77 1.92	0.85 2.13	12.14 30.35
						425.8	2.4	4.73	7.56	80.57			11.35	18.14	193.37
			(5)	Wt. Av.	420.5	425.8	5.3	4.01	5.97	66.75			21.25	31.62	353.79
				"	422.8	425.8	3.0	4.04	6.33	68.50			12.12	18.99	205.51

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 19 PAGE 1 of 5

	Collar	200'	400'	600' *
LATITUDE 10 699.10N 2+00N BEARING OF HOLE		118°	97.5°	111.5°
DEPARTURE 7609.33 E 12W DIP OF HOLE	- 90°			
ELEVATION 4208' A.S.L. (1295.52m) DIP TESTS		-87°	-83.5°	-83°

STARTED July 12/74 D.S.

COMPLETED July 19/74 N.S.

DEPTH Proposed: Ultimate: 843' (256.95m)

CLAIM No. GRUM 3

DIRECTION AND DISTANCE FROM NE. CLAIM POST

735'P.A. Topog.

* Data = approx. N. of A60 & A21.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	13.4m														
0	44	OVERBURDEN													
	77.6														
44	235	QUARTZ-SERICITE PHYLLITE - with minor graphitic threads + 3'	42/49		44	93									
		bands. Light to medium grey. Banded, with folding increasing													
		from 87' to 235'. Quartzoserock but moderately schistose. Odd	135/142		93	235									
		bleb of pyrite in F_2, also threads in cross-fractures. C.A.													
		70°-75° from 44' - 148'; 80-85° from 148-205' with F_1 subvert;													
		F_2 at 15-30° to core from 205-222'; from 222-235' F_2 at 75°, F_1													
		subvertical to F_2 except at 229' at 50°.													
	101.4														
235	332.7	QUARTZ-SERICITE PHYLLITE. Light grey quartzose with intermittent	97/97		235	332.7									
		1"-3" quartz veins and chlorite clots parallel F_2. C.A. 60°													
		uniform, F_1 at 60° and subvertical to F_2 occasionally noted													
	102.3														
332.7	335.8	QUARTZ-GRAPHITE-SERICITE PHYLLITE. Banded dark grey. C.A. 75°.	31/31		332.7	335.8									
		F_1 at 60° and subvertical to F_2													
335.8	359.5	MINERALIZED QUARTZ-SERICITE PHYLLITE - Bleach buff colored	4.8	051	335.8	340.6	5.6	1.85	1.92	1.38	.02	.22	10.36	10.75	7.72
	109.5m	sericite, banded with thin to 0.7' sections of pyrite with Lead	5.0	052	340.6	345.6	5.0	1.18	1.02	.32	.005	.13	5.9	5.1	1.6
		Zinc. Quartzose except heavy barite sections between 349-355'.	9.4	053	345.6	355	9.4	6.68	5.64	3.18	.02	.11			
		Average 50% pyrite, 1% pyrrhotite; slightly to highly magnetic	45/45			359.5				(109 mg)					
		in sections. Average 8% Lead and 7% Zinc, .18% copper from		Wt. Av.	335	345.6	10.6	1.53	1.49	.87			16.26	15.85	9.32
		335.8-355'. From 355-359.5 bleached sericite phyllite with .5%													
		pyrite and no noticeable Lead Zinc Copper. C.A. 75°													
359.5	434.5	QUARTZ-SERICITE PHYLLITE. 359.5-368' Light grey banded, 80%	75/75		359.5	434.5									
	142.4	quartz, C.A. 65°; 368-388' Buff grey banded, 50% quartz C.A. 70°;													
		388-408' Dirty grey banded, 30% quartz C.A. 75°, F_1 at 70° to F_2.													
		Many tiny fractures subvertical to F_2; 408-429.5 as 388-408'													
		but show slight bleaching, also numerous irregular fractures -													
		quartz and ankerite(?) filled. Note one piece .2' sharp fragment													
		of grey quartzose rock (foreign?); 429.5-434.5 totally bleached,													
		quartzy													

plot plot plot plot

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 19 PAGE 2 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
434.5	135.9 446	QUARTZ-GRAPHITE PHYLLITE. Black, sheared, fractured and brecciated. scattered threads and blebs of pyrite (4%), odd speck sphalerite and likely galena.	6.5/7.5 4.0	054	434.5 442	442 446	4	.05	.17	.04	.005	.02			
446	161.3 529.3	SULPHIDE ZONE IN GRAPHITIC PHYLLITE. Siliceous. Zone highly contorted, folded and brecciated giving a mottled appearance of sulphide and quartz with threads of graphitic material. Massive pyrite section 458.1-469.5' do not show physical change except being vuggy. One spot slightly magnetic. (Mineralization in both F_1 and F_2; 446-458.1' - 50% pyrite, 35% quartz, 3% Lead, 4% Zinc; 458.1-467.3 - 95% pyrite, 0.5% Lead, 0.5% Zinc; 467.3-469.7' - 90% pyrite, 2% Lead, 6% Zinc; 469.7-475' - 70% pyrite, 1% Lead and Zinc; 475 - 477.3' - 30% pyrite, 10% Lead, 25% Zinc; 477.3 - 495' - 30% pyrite, 2-3% Lead, 3-5% Zinc; 495-507.2' - 10-15% pyrite, 1.5% Lead, 2% Zinc; 507.2-529.3' - 3-5% pyrite, odd specks Lead Zinc, except 521.4-527.4' show narrow bands, threads and spots of Lead Zinc (35%) C.A. 80° at 460'; 60-80° at 470-485'; F_1 at 45° at 487'; 70° at 495'; F_2 at 70° and F_2 at 60° to F_2 at 496-504'; F_1 parrallel to core at 506'; F_2 at 70° and F_1 parallel to core at 512'; 40° at 520.5'; 75° at 524'. Highly brecciated at 527-528' and shear at 528.5'	6.0	055	446	452	6	2.50	4.02	1.70	.02	.14	15.0	24.12	10.2
			6.1	056	452	458.1	6.1	1.15	2.00	.92	.02	.17			
			9.2	057	458.1	467.3	9.2	.38	.60	.64	.01	.34			
			9.7	058	467.3	477.3	10	7.35	9.36	4.08	.04	.07	70.35	93.60	40.80
			7.6	059	477.3	485	7.7	.25	.82	.42	.02	.18	1.92	6.31	3.23
			8	060	485	493	8	2.28	1.60	1.00	.01	.14	18.24	12.8	8.0
			7.5	061	493	500.5	7.5	4.95	6.96	1.76	.01	.06	37.12	52.2	13.2
			6.7	062	500.5	507.2	6.7	1.33	2.58	.32	.01	.11	3.32	6.45	0.8
			2.8	063	507.2	510	2.8	.60	.33	.28	.01	.09			
			11.4 6	064	521.4 521	527.4	6.4	.88	1.14	.29	.005	.04			
			1.9		446	529.3 456	10	1.96	3.21	1.39	Wt. Av.		19.6	32.12	13.88
529.3	531.3 161.9	BLEACHED, ALTERED (SERICITE?) PHYLLITE. Buff chalky and foliated with mariposite.	2/2		~~493~~ 529.3	~~503~~ 531.3	10	~~4.05~~	~~5.87~~	~~1.40~~	~~WT. AV.~~		~~40.45~~	~~58.65~~	~~14.0~~
531.3	176.6 579.7	MASSIVE SULPHIDE. 95% pyrite, fine grained, partly vuggy, also (leached?) open seams, porous and granular, disseminated with granular light brown ankerite?	.9	065	531.3	537	5.7	2.25	4.68	1.70	.02	.11	12.83	26.68	9.69
			1.5	066	537	540	3	4.35	6.84	1.64	.02	.23	13.05	20.52	4.92
		531.3-537' - fault or shear zone .4' of sheared and loosely cemented sericite, quartz and minor sulphite, plus .5' of loosely	2.5	067	540	543	3	7.55	12.72	3.26	.02	.21	22.65	38.16	9.87
					531.3	543	11.7	4.15	7.30	2.08	WT. AV.	—	48.53	85.36	24.39
					467.3	500.5	33.2	4.07	4.97	1.96	WT. AV.		134.99	164.91	65.23

plot plot plot plot plot plot plot plot plot plot plot plot plot plot

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 19 PAGE 3 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag	
		cemented sulphite in quartz and pieces of pyrite and quartz, 4% Lead and Zinc.	4	068	543	547	4	3.15	4.74	1.46	.02	.11	12.50	18.96	5.84	
		537 - 540' - Massive pyrite and loosely recemented pyrite, minor Lead Zinc	5	069	547	552	5	2.05	3.72	1.12	.02	.11	10.25	18.60	5.60	
		540 - 543' - Massive pyrite with Lead and Zinc, 3 Lead, 10 Zinc.	5	070	552	557	5	2.28	3.90	1.56	.02	.10	11.40	19.50	7.80	
		543 - 579.7 - Massive pyrite, fine grained Lead Zinc, in blebs and streaks, difficult to see on core surface, difficult to estimate grade. Guesstimate 3 Lead and 4.5 Zinc	5	071	557	562	5	2.50	6.24	1.52	.02	.10	12.50	31.20	7.60	
		C.A. 50° at 541', 558'; 75° at 571'	5	072	562	567	5	4.50	9.48	2.24	.02	.18	22.50	56.40	11.20	
			5	073	567	572	5	4.74	8.64	2.24	.02	.25	23.70	43.20	11.20	
			5	074	572	577	5	5.78	10.20	3.20	.04	.17	28.90	51.00	16.00	
			2.7	075	577	579.7	2.7	3.08	5.76	1.98	.02	.05	8.32	15.56	5.35	Plot
579.7	183.8 603.3	BLEACHED QUARTZ-SERICITE PHYLLITE . Buff color. sehistose, banded by numerous .2'-1.5' quartz veins. Highly sheared, brecciated and loosely cemented from 583.5 - 601', mainly within the sericitic sections. Pyrrhotite, Lead-Zinc mineralization occuring at 579.7 - 580, 581-581.4', 582.7-583.4', 584.3-585.1', 597.3-597.7', and 601.6-603.3'. C.A. 80° at 588'; 70° at 600' and subvertical F_1 to F_2; 75° at 603'.	5.6	076	579.7	585.3	5.6	1.85	3.33	1.36	.01	.03	10.36	18.65	7.62	Plot
			16.3/1.7	077	601.6	601.6/603.3	1.7	2.18	5.10	1.48	.04	.09				
				WtAv	543	562	19.0	2.46	4.65	1.41	Wt. Av. -		46.65	88.26	26.84	plot
				"	562	577	15.0	5.01	9.44	2.56	Wt. Av. -		75.15	141.60	38.40	plot
				"	577	585.3	8.3	2.25	4.12	1.56	Wt. Av.		18.68	34.21	12.97	plot
				"	521.3	577.0	45.7	3.73	6.9	1.96	(67.2)		170.33	315.22	89.63	plot
603.3	194.1 637	QUARTZ-GRAPHITE-SERICITE PHYLLITE. Medium to dark grey, highly schistose. Sheared, parts brecciated and loosely cemented at footages 603.3' - 616', 618 - 626.5, and 633 - 636'. C.A. 35° at 616'; 0° at 620'; 40° at 623'; 80° at 627'; 70° at 636' with F_1 subvertical to F_2	6.5/19.7	"	537.0	577.0/603.3	40.0	3.94	7.21	2.00	(68.69 Wt. Av.)		157.50	288.54	80.03	
			10.5/15		623	637										
637	205.2 673.5	(NEAR) MASSIVE SULPHIDES. Disseminated - sphalerite, galena, pyrite in quartz matrix. Remnants of graphitic sericite phyllite to 641.5'	9.5	078	637	647	10	9.15	15.36	4.02	.06	.20	91.50	153.60	40.20	
			4	079	647	651	4	1.90	2.88	.80	.01	.29	7.6	11.52	3.20	plot.

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 19 PAGE 4 of 5

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag	
		637-646', Zinc rich, 30% pyrite, 20% zinc, 5% lead	8	080	651	659	8	5.70	9.49	2.64	.04	.26	45.60	75.92	21.12	
		646-658.5', 70% pyrite, sections of massive sphalerite, and low-medium grade lead zinc, average 4 lead 5 zinc	5.4	081	659	664.4	5.4	2.70	3.30	1.48	.04	.33	19.58	17.82	7.99	
		688.5-673.5, Banded and massive pyrite with lead and zinc, also low-grade pyrite, average 65% pyrite	9.1	082	664.4	673.5	9.1	2.93	4.14	1.63	.02	.29	26.66	37.67	14.83	
		C.A. F_1 paralíel to core, 75° at 641'; 80° at 646'; 65° at 652'; 90° at 656'; 45° at 659'; open fold at 660'; 60° at 669'; 85° at 673'.			637	659	22.0	6.58	10.96	7.93	Wt. Av		144.70	241.04	64.52	plot
					659	673.5	14.5	7.84	3.83	1.57	Wt. Av.		41.24	55.49	22.82	plot
673.5	753	SULPHIDE ZONE IN QUARTZ-GRAPHITE PHYLLITE. Banded and disseminated pyrite in quartz with threads of graphitic material.	8.8	083	673.5	683	9.5	.08	.37	.48	.01	.42				
	229.5		10	084	683	693	10	.35	1.50	.56	.02	.26				
		40-60% pyrite. F_2 mineralization.	10	085	693	703	10	.14	.35	.44	.01	.33				
		673.5 - 711.1 Sulphide mainly pyrite with 1% lead and 2-3% zinc	8.1	086	703	711.1	8.1	.18	.19	.32	.01	.39				
		711.1 - 718.5 as above, 3 lead and 5 zinc	7.4	087	711.1	718.5	7.4	2.85	4.02	.98	.02	.14	21.09	29.75	7.25	plot
		718.5 - 729 as above, 1% lead and zinc	3.2	088	718.5	724	5.5	.14	.62	.24	.01	.44	0.36	1.61	0.62	
		729 - 744.5 as above, brecciated. up to 1% lead and zinc	2.6	089	724	729	5	.07	2.00	.24	.01	.28				
		744.5 - 753 as above, 70% pyrite, average 1.5 lead, 4 zinc	3.3	090	729	738	9	.10	3.60	.28	.005	.30				
		C.A. 70° at 678-729'; 697-729' F_1 at acute angle and also sub-vertical to F_2. 80° at 745'; 70° at 749'.	5.3	091	738	744.5	6.5	.12	3.48	.28	.005	.43	10.18	5.22	0.42	
			3.4	092	744.5	748	3.5	.92	1.40	.92	.02	.37	3.22	4.90	3.22	
			2.5	093	748	753	5	2.93	2.82	1.86	.02	.23	14.65	14.10	9.30	plot
753	843	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Moderate gray color, highly schistose, a few .1' quartz veins of chlorite clots	2.5/5		753	758										
	256.9		26/26		758	784										
		C.A. 75° at 753-762'; 60° at 763-767'; 70° at 768'; 85° at 776'; 75° at 783'; 80-85° at 785-810' and F_1 at 30-90° to F_2; 70° at 815'; 60° at 817'; 70° at 825'; 75° at 838' and F_1 at 45-90° to F_2.	57/59		784	843										
				Wt. Av	673.5	711.1	37.6	0.8								plot
	256.9															
	843	END OF HOLE		Wt. Av	718.5	748	29.5	2.5	"							plot
				Wt. Av	724.0	744.5	24.0	3.13								
		Note: Mineralization of sulphides - pyrite, sphalerite and galena fine to very fine grained.		Wt. Av	711.1	721.1	10.0	2.15	3.14	0.79	(27)		21.45	31.36	7.87	
				" "	743.0	753.0	10.0	1.81	2.42	1.29	(44.4)		18.05	24.22	12.94	

DIAMOND DRILL RECORD

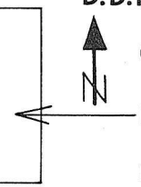
LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH



D.D.H. No. A - 19 PAGE 5 of 5

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		Size of Hole: 0 - 27' NW					
		27 - 44' BW					
		44 - 843' BQ					
		Other Notes: 203 - 270' Lost water return					
		203 - 643' caving and sanding.					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 20 PAGE 1 of 3

LATITUDE 11038.90N 6 N BEARING OF HOLE ____ STARTED July 14/74

DEPARTURE 765.38E 84 W DIP OF HOLE Vertical COMPLETED July 18/74

821.1' P.A. Topog. Proposed:

ELEVATION 4294' A.S.L. DIP TESTS ____ DEPTH Ultimate: 1028' (406.60m)

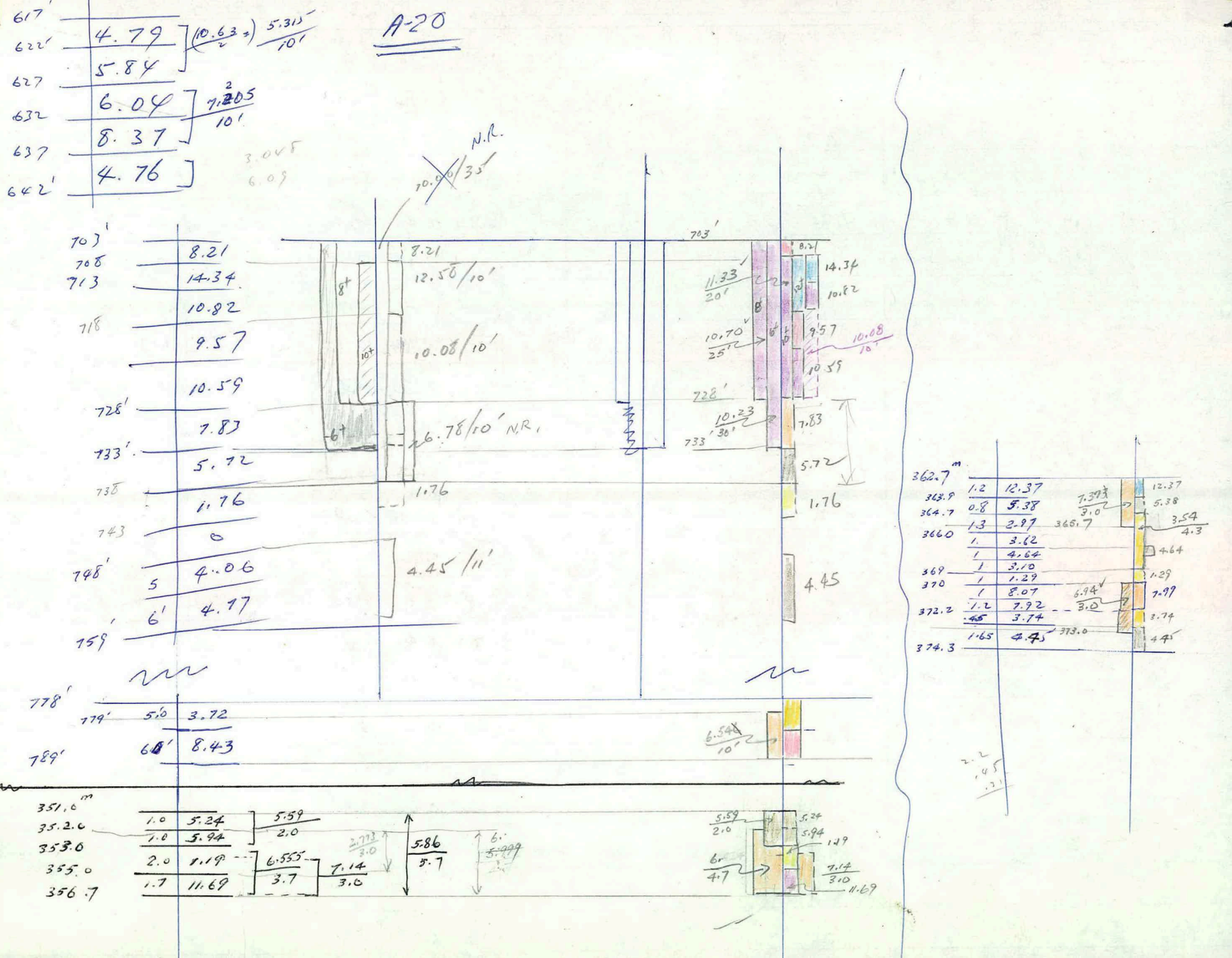
0 = 3773.15 (1321.72m)

CLAIM No. CHUCK 5

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	6.1 20	Overburden													
20	48.5 159	C PALE GREEN CHLORITE PHYLLITE. F_1 locally subvertical to F_2. Brecciated at 106'. Minor pyrite. 32.3													
159	178 54.2	G BLACK STRIPED GRAPHITE PHYLLITE.													
178	581 177.1	C PALE GREEN CHLORITE PHYLLITE. Minor pyrite. locally (400') greyer where not as chlorite rich. Thin quartz-feldspar laminae define F_1.													
581	603 183.8	G BLACK GRAPHITIC PHYLLITE. Good F_1 quartz-feldspar laminae			183.8										
603	618 188.4	C G m MINERALIZED CHLORITE MARIPOSITE and GRAPHITIC PHYLLITE. Thin bands of pyrite, sphalerite, galena, locally 20% min.	5/5	018	603	607	4 (1.2)	.43	.70	.32	.005	.04	1.72	2.80	1.28 plot
			6/6	019	607	613	6 1.8	2.48	4.14	1.22	.02	.10	14.88	24.84	7.32 plot
618	210.0 689	G MINERALIZED STRIPED BLACK GRAPHITIC PHYLLITE, with thin sections	/4		613	617									
		P of sericite phyllite. Grades through grey-green phyllite to	5/5	020	617	622	5	1.73	3.06	.82	.02	.04	8.65	15.30	4.10
		sericite phyllite at 689'. Mineralogy: 10-40% sulphide:	5/5	021	622	627	5	3.38	2.46	1.26	.02	.08	16.90	12.30	6.30
		sphalerite, pyrite, galena, minor chalcopyrite and pyrrhotite	5/5	022	627	632	5	2.50	3.54	1.64	.01	.04	12.50	17.70	8.20
			4.9/5	023	632	637	5	2.85	5.52	1.04	.01	.06	14.25	27.60	5.20
			5/5	024	637	642	5 1.5	1.88	2.88	.80	.01	.03			plot
			4.8/5	025	642	647	5	.90	1.76	.60	.01	.04	4.50	8.80	3.00
			5/5	026	647	652	5	.88	1.66	.40	.005	.03	4.40	8.30	2.00
			4.9/5	027	652	657	5	.98	.74	.44	.005	.04			
			5/5	028	657	662	5	.68	.66	.44	.01	.08			
			4.8/9	029	662.666	667.667	5	1.05	.66	.44	.01	.08	5.25 1.05	3.30 .66	2.20 .44
			5/5	030	667	672	5	3.15	4.50	1.46	.02	.17	15.75	22.50	7.30 plot
			4/4 /13	031	672 676	676 689	4 —	5.25 —	8.04 —	2.28 —	.02 —	.04 —	21.00	32.16	9.12
		PS A													
689	707 215.5	MINERALIZED SERICITE PHYLLITE. Locally brecciated, kinked fragments of sericite phyllite cemented by sphalerite pyrite	4/4	032	689.210	693	4 1.2	4.35	6.72	2.12	.02	.05	17.4	26.88	8.48 plot
			5/5	033	693	698	5	.28	.27	.50	.005	.05	1.4	1.35	2.50
		ex 690'. Mineralogy: sphalerite, pyrite, pyrrhotite (702')	4.9/5	034	698	703	5	.30	.48	.16	TR	.07			plot
		galena, minor chalcopyrite. Locally 40% sulphide, with some	Wt. Av.		617	637	20.0	2.67	3.60	1.19	(40.8 gm/m.T.)		53.40	72.0	23.80
		M 6.1 3.0 3.0	Wt. Av.		642	652	10.0	.89	1.71	.5	(17.1)		8.90	17.10	5.0 plot
			" "		603	613	10.0	1.66	2.76	0.86	(29.5)		16.60	27.64	8.60 plot
			" "		666	676	10.0	3.78	5.83	1.69	(57.9)		37.77	58.26	16.91

A-20


617'
622'
4.79
5.84
(10.63 ±)
5.31
10'
627
632
6.04
8.37
7.205
10'
637
642'
4.76
3.045
6.09
N.R.
703'
708
713
718
728'
733'
738
743
748'
759'
8.21
14.34
10.82
9.57
10.59
7.83
5.72
1.76
0
4.06
4.17
5
6'
12.50/10'
10.08/10'
6.78/10' N.R.
4.45/11'
11.33
20'
10.70
25'
10.23
30'
10.08
10
778'
779'
789'
5.0
3.72
6.0
8.43
6.54
10'
351.0 m
352.0
353.6
355.0
356.7
1.0
5.24
1.0
5.94
2.0
1.19
1.7
11.69
5.59
2.0
6.555
3.7
7.14
3.0
5.86
5.7
6.
5.999
3.7
5.59
2.0
5.24
5.94
1.19
6.
4.7
7.14
3.0
11.69
362.7 m
363.9
364.7
366.0
369
370
372.2
374.3
1.2
12.37
0.8
5.38
1.3
2.97
1.
3.62
1
4.64
1
3.10
1
1.29
1
8.07
1.2
7.92
.45
3.74
1.65
4.75
373.0
7.39
3.0
6.94
3.0
12.37
5.38
3.54
4.3
4.64
1.29
7.99
3.74
4.45

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 20 PAGE 2 of 3

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		bands of massive sulphide. 3.0 2.7 3.0 3.0	WT	Av.	652	662	10.0	1.5 Pb Zn							
			"	"	667	676	9.0	4.08	6.40	1.83			36.72	57.60	16.47
215.5	231.3	PG	"	"	689	699	10.0	1.91	2.81	1.11			19.10	28.71	11.14
707	759	MINERALIZED DARK GREY QUARTZ FELDSPAR GRAPHITIC PHYLLITE.			693	703	10.0	0.7 Pb Zn					16.15	24.9	8.9
		Mineralogy: Banded (6") to disseminated pyrite, sphalerite, galena, minor chalcopyrite. 10-40% sulphide.	5/5	035	703	708	5	3.23	4.98	1.78	.02	.13			
			5/5	036	708	713	5	5.10	9.24	2.72	.02	.25	25.5	46.2	13.6
			5/5	037	713	718	5	3.38	7.44	1.94	.02	.04	16.9	37.2	9.7
			5/5	038	718	723	5	2.85	6.72	1.46	.02	.06	14.25	33.6	7.3
			5/5	039	723	728	5	3.15	7.44	1.62	.02	.05	15.75	37.2	8.1
			5/5	040	728	733	5	2.43	5.40	1.34	.02	.04	12.15	27.0	6.7
			5/5	041	733	738	5	2.00	3.72	1.10	.02	.06	10.00	18.60	5.50
			5/5	042	738	743	5 1.5	.58	1.18	.56	.01	.06			
			/5		743	748	1.5	—	—	—	—	—			
			5/5	043	748	753	5	1.48	2.58	1.08	.01	.05			
			6/6	044	753	759	6	1.53	3.24	.84	.01	.03			
	237.1	G			235.9/237.1		10.7	Wt.	Av.				703	738	35.0
759	778	GREY, BLACK, GRAPHITIC PHYLLITE. Brecciated at 774-78 -					3.0	Wt.	Av.				708	718	10.0
		fault?. Fragments of sphalerite and schist in mud matrix.					3.0	Wt.	Av.				718.0	728.0	10.0
		Non-mineralized.					3.3	Wt.	Av.				748.0	759.0	11
	240.5	RS						/19					759.0	778.0	—
778	789	MINERALIZED SERICITE QUARTZ PHYLLITE. Locally brecciated.	5/5	045	778	783	5	1.38	2.34	1.20	.01	.07	6.9	11.7	6.0
		Mineralogy: pyrite, orange sphalerite, minor galena,	6/6	046	783	789	6 (0.8m)	3.15	5.28	2.46	.02	.10	18.9	31.68	14.76
		chalcopyrite. In thin massive bands or disseminated. 30%			(779	783	4')						5.52	9.36	4.80
		sulphide.			(237.1)										
		3.3	Wt.	Av.	778	789	11	2.35	3.94	1.89	(64.8)		25.80	43.38	20.76
789	794	S PALE SERICITE PHYLLITE.		Wt. Av.	703.0	733.0	30.0	3.36	6.87	1.78	(60.9)		100.7	206.1	53.3
	242.0			Wt. Av.	703	728	25	3.54	7.16	1.86	(63.9)		88.55	179.1	46.6
794	803	S Mainly PALE SERICITE PHYLLITE with sections (3') of black		Wt. Av.	708	728	20	3.62	7.71	1.89	(64.6)		72.40	154.2	37.7
	244.7	graphitic phyllite. Note mariposite in sericite phyllite. 3.0		Wt. Av.	728.0	738.0	10.0	2.22	4.56	1.22	(41.8)		22.15	45.6	12.20
				Wt Av	779	789	10	2.44	4.10	1.96	(67.1)		24.42	41.04	19.56
803	810	No core.			728	738	10	2.21	4.56	42					
	246.9														
810	812	Phyllite 1' recovered.													
	247.5														

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 20 PAGE 3 of 3

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
247.5	251.7	PSA			247.5										
812	826	Mineralized, locally brecciated, GREY PHYLLITE. Locally graphitic	5/5	047	812	817	5	5.55	7.44	2.22	.02	.07	27.75	37.2	11.1
		Note breccia with fragments of banded pyritic, and sphalerite	5/5	048	817	822	5	4.50	3.48	2.26	.02	.08	22.5	17.4	11.3
		rich sulphides.	4/4	049	822	826	4	2.15	3.36	1.38	.02	.05	8.6	13.44	5.52
	276.7														
826	908	S GREY PHYLLITE. Well defined F_2 foliation. Weakly mineralized	5/5	050	843	848	5	.98	1.74	.72	.01	.05			
		locally disseminated sphalerite pyrite													
		G 4.3	Wt.	Av.	812	826	14.0	4.21	4.86	1.99	(68.2)		58.85	68.04	27.92
908	920	BLACK GRAPHITE PHYLLITE with disseminated pyrite, pyrrhotite and	Wt.	Av.	812.0	822.0	10.0	5.03	5.46	2.24	(76.8)		50.25	54.6	22.4
	280.4	chalcopyrite. Good F_1 layers.					3.0								
920	1028	S GREY PHYLLITE with thin quartz-feldspar laminae. Good F_1 and F_2.			812	826		4.20	4.86	68.4					
	313.3	Minor pyrite.													
					Combined for										
	1028	END OF HOLE.			(C13)	U-176		4.10	6.75	74.4					
		Core angles: 20'-72°; 40'-74°; 60'-41°; 80' -65°; 100'-67°; 120'-63°; 140'-60°; 160'-70°; 180'-67°; 200'-68°; 220'-67°; 240'-68°; 260'-70°; 280'-69°; 300'-75°; 320'-68°; 340'-66°; 360'-62°; 380'-64°; 400'-70°; 420'-75°; 440'-82°; 460'-75°; 480'-77°; 500'-82°; 520'-65°; 540'-75°; 560'-73°; 580'-72°; 600'-76°; 620'-45°; 640'-81°; 660'-85°; 680'-55°; 700'-60°; 720'-80°; 740'-70°; 760'-65°; 780'-65°; 800'-65°; 820'-70°; 840'-54°; 860'-80°; 880'-80°; 900'-79°; 920'-74°; 940'-74°; 960'-75°; 980'-70°; 1000'-76°; 1020'-80°														
		Size of Hole: 0 - 10' NW 10 - 24' BW 24 - 1028' BQ													
		Other Notes: at approximately 600-700' losing water, 50% return.													

Plot (Pb) (Zn)

DIAMOND DRILL RECORD

LOGGED BY J. Paxton

PROPERTY VANGORDA, GRUM JOINT VENTURE

	HIW Coords	OLD	SPERRY SUN	depth	bearing	dip
LATITUDE	36 216.87N	6N	BEARING OF HOLE	0		90°
				100'	64° 20'	89°
DEPARTURE	24 384.87E	84W	DIP OF HOLE	300'	-- --	90°
			SPERRY SUN	500'	65° 50'	82°
ELEVATION	4336.34'	4302'	DIP TESTS	740'	118° 20	84°
				940'	51°	80°
				1200'	67°	82°

STARTED July 9, 1975

COMPLETED July 15, 1975

Proposed:

DEPTH Ultimate: 406.6m

D.D.H. No. 75-A20 (deepened) PAGE 1 of 7

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

metres FOOTAGE FROM	TO	DESCRIPTION	Rec. Ft.	Sample No.	metres Footage From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x Feet Pb	Zn	Ag
313.3	325.0	S QUARTZ - SERICITE PHYLLITE													
		Locally has streaks of fine biotite and leucoxene. Open folded F1 @ 314 and 325.5. Strong F2 at 70° throughout.	11.0/ 11.7												
325.0	331.5	P QUARTZ AND SULPHIDES													
		Gray siliceous rock sliced by F2 planes 2-3mm and mottled with pyrite. Sphalerite and galena in wisps on the F2 planes. Estimate 25% pyrite and 2% lead-zinc.	3.0	2410	325.0	328.0	3.0	1.13	1.04	0.47					(plot)
331.5	332.5	Q QUARTZ VEIN	1.0/ 1.0												
332.5	333.3	M MASSIVE SULPHIDE													
		Faint streaks of sphalerite mineralization. Barite groundmass locally. Estimate 70% pyrite and 3% lead-zinc.	0.8	2411	332.5	333.3	0.8	4.43	6.21	2.27					(plot)
333.3	338.0	S QUARTZ - SERICITE PHYLLITE													
		Dark gray colour. Folded F1 cut by F2 at 70°.	2.5/ 4.7												

DIAMOND DRILL RECORD

LOGGED BY J. Paxton

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. 75-A20 PAGE 2 of 7

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

metres ~~FOOTAGE~~ FROM	TO		DESCRIPTION			Rec. ~~Ft.~~m	Sample No.	metres ~~Footage~~ From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	metres Assay x ~~Feet~~ Pb	Zn	Ag
338.0	338.9	M	MASSIVE SULPHIDE	Pyrite	Lead-zinc													
			Brecciated. Contains barite. Banding in sulphides at 45° to C.A. which is	20%	8%	0.2	2412	337.7	338.5	0.8	2.08	2.28	1.56			1.664	1.824	1.248
			at 90° to 2nd contact and at 45° to C.A. This cuts F2 direction in next section at	15%	2%	1.7	2413		340.2	1.7	1.63	2.88	0.94			2.771	4.896	1.598
			30°. F2 is at 70° to C.A.															
						Wt. Average		337.7	340.2	2.5	1.77	2.69	1.14	(69.0 gm/ton)		4.435	6.720	2.846
338.9	343.2	G	GRAPHITIC PHYLLITE															
			F2 strong at 50° @ 340, 30° @ 340.3, 60° @ 341.0.			4.3/ 4.3												
343.2	344.8	M	MASSIVE SULPHIDE															
			Fine-grained massive pyrite with 5-10% barite. Estimate 70% pyrite, 6% lead-zinc.			1.6	2414	343.2	344.8	1.6	3.38	5.55	1.97					
344.8	351.0	G	QUARTZ - GRAPHITE PHYLLITE															
			Black and white striped. Minor folded F1 cut by F2 @ 60°. 349.6-349.8 -- Gouge. Walls at 20°.			6.0/ 6.2												
351.0	353.0	M	MASSIVE SULPHIDES															
			Fine-grained pyrite with streaks of sphalerite following faint F2 (?)	80%	7%	1.0	2415	351.0	352.0	1.0	2.78	2.46	1.32			2.78	2.46	1.32
			planes at 60 . 1st contact at 25 0.05m of pyrrhotite and minor magnetite.	80%	8%	1.0	2416	352.0	353.0	1.0	3.00	2.94	1.03		✓	3.0	2.94	1.03

DIAMOND DRILL RECORD

LOGGED BY J. Paxton

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. 75-A20 PAGE 3 of 7

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

~~FOOTAGE~~ metres FROM	TO	DESCRIPTION	Rec. ~~Ft.~~ m	Sample No.	~~Footage~~ metres From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x ~~Feet~~ m Pb	Zn	Ag
		along contact. 2nd contact sheared at 80°. Minor barite noted.	Wt. Average		351.0	353.0	2.0	2.89	2.70	1.18	(40.5 ppm/n.t.)		5.78	5.4	2.36
353.0	355.0	Sb BLEACHED BRECCIA													
		Δ Irregular masses of quartz and sericite in a sericite-chlorite mariposite groundmass. Estimate 2% pyrite with a trace of lead-zinc.	2.0	2417	353.0	355.0	2.0	0.43	0.76	0.15			0.86	1.52	0.30
					(353.0	353.7)	(0.7)	"	"	"					
					(353.7	356.0)	(1.3)	"	"	"			0.559	0.988	0.195
355.0	356.7	M MASSIVE SULPHIDES													
		Fine-grained pyrite with barite plus lead-zinc. Faint banding at 35°. Estimate 70% pyrite, 10% lead-zinc.	1.7	2418	355.0	356.7	1.7	5.03	6.66	2.30			8.551	11.322	3.910
			Wt. Av		353.7	356.7	3.0	3.04	4.10	1.37	(46.69)		9.110	12.310	4.105
			Wt. Average		351.0	356.7	5.7	2.66	3.20	1.16			15.162	18.24	6.612
356.7	357.2	Sb SHEARED BLEACHED SERICITE	Wt.	Av.	352.0	356.7	4.7	2.64	3.36	1.11	(38.3)		12.41	15.78	5.24
		Scattered mariposite. Trace of lead-zinc. Sheared and foliated at 45°. Estimate 2% pyrite, 1% lead-zinc.	0.5	2419	356.7	357.2	0.5	0.20	0.30	0.09			0.25	Pb-Zn	
357.2	359.5	P QUARTZ SULPHIDE													
		Interbanded coarse quartz interbanded with massive and disseminated pyrite. Second contact sharp at 80°. Estimate 20% pyrite, 2% lead-zinc.	2.2	2420	357.2	359.4	2.2	0.58	0.58	0.65			2.55	Pb-Zn	
			Wt. Average		356.7	359.4	2.7	1%	Pb-Zn				2.8	Pb Zn	

DIAMOND DRILL RECORD

LOGGED BY J. Paxton

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. 75-A20 PAGE 4 of 7

CLAIM No.

NN ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

~~FOOTAGE~~ metres FROM	TO	DESCRIPTION	Pyrite	Lead-zinc	Rec. ~~Ft.~~m	Sample No.	~~Footage~~ metres From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x ~~Feet~~ m Pb	Zn	Ag
359.5	360.6	Sb BLEACHED SERICITE															
		360-360.6 -- mariposite. Foliated at 60°. Estimate 2% pyrite and a trace of lead-zinc.			1.2	2421	359.4	360.6	1.2	0.08	0.04	0.03					
360.6	361.2	P QUARTZ SULPHIDE															
		Same as 357.2-359.5. Estimate 20% pyrite and 4% lead-zinc.			1.0	2422	360.6	361.6	1.0	3.15	6.33	1.38					
361.2	361.6	M MASSIVE SULPHIDE															
		Interbanded fine grained pyrite and sphalerite.															
361.6	362.0	Sb m BLEACHED SERICITE WITH MARIPOSITE	2%	0.5%	0.4	2423	361.6	362.0	0.4	0.15	0.16	0.06					
362.0	362.8	Δ BRECCIA															
		P Angular 1-3cm fragments of quartz sulphide type in a pyritic groundmass.	20%	2%	0.7	2424	362.0	362.7	0.7	0.78	1.30	0.44					
362.8	364.7	M MASSIVE SULPHIDE															
		Δ Mainly fine pyrite with local 2-10cm bands of quartz-sphalerite breccia at 60-90°.	75%	8%	1.2	2425	362.7	363.9	1.2	4.43	7.94	1.85			5.316	9.528	2.220
			75%	6%	0.8	2426	363.9	364.7	0.8	2.20	3.18	1.18			1.760	2.544	0.944

DIAMOND DRILL RECORD

LOGGED BY J. Paxton

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. 75-A20 PAGE 5 of 7

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE (metres) FROM	TO	DESCRIPTION	Pyrite	Lead-zinc	Rec. Ft.m	Sample No.	Footage (metres) From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x Feet m Pb	Zn	Ag
							(364.7	365.7	1.0)						1.03	1.94	0.74
364.7	371.5	P QUARTZ SULPHIDE TYPE	25%	4%	1.3	2427	364.7	366.0	1.3	1.03	1.94	0.74			1.339	2.522	0.962
		Banding at 60-90 . Local 2-5cm inclusions of siliceous material.	70%	8%	1.0	2428	366.0	367.0	1.0	1.40	2.22	0.88			1.40	2.22	0.88
			40%	5%	1.0	2429	367.0	368.0	1.0	1.70	2.94	1.00			1.70	2.94	1.00
			30%	3%	1.0	2430	368.0	369.0	1.0	1.50	1.60	0.88			1.50	1.60	0.88
			20%	3%	1.0	2431	369.0	370.0	1.0	0.43	0.86	0.56					(plot)
			25%	10%	1.0	2432	370.0	371.0	1.0	3.75	4.32	1.88			3.75	4.32	1.88
			10%	8%	1.2	2433	371.0	372.2	1.2	3.90	4.02	1.76			4.68	4.824	2.112
					wt. Av		362.7	365.7	3.0	2.70	4.67	1.30	(44.69"/At)		8.11	14.01	3.90
					Wt. Average		362.7	366.0	3.3	2.55	4.43	1.25			8.415	14.594	4.126 (plot)
					"	"	366.0	369.0	3.0	1.53	2.25	.92			4.60	6.76	2.76 (")
					"	"	369.0	372.2	3.2	3.83	4.15	1.81	(1.176)		8.430	9.144	3.992 (")
					"	"	370.0	373.0	3.0	3.3	3.64	1.64	(56.3)		9.9	10.92	4.93
371.5	372.2	S BROKEN FRAGMENTS OF SERICITE PHYLLITE															
		In a groundmass of sphalerite and non-magnetitc pyrrhotite.			0.7/ 0.7												
372.2	372.65	M MASSIVE PYRRHOTITE															
		Sharp contact at 50°. Fine-grained with small blebs of magnetite and barite (?) Estimate 90% pyrrhotite and 3% lead-zinc.			0.45	2434	372.2	372.65	0.45	1.90	1.84	1.35			.855	.828	.607
							(372.65	373.0	0.35)						0.61	0.95	0.33
					1.65	2435	372.65	374.30	1.65	1.75	2.70	0.94			2.887	4.455	1.551
372.65	373.6	S△ BRECCIA OF GRAY QUARTZ - SERICITE PHYLLITE			Wt. Average		372.2	374.3	2.1	1.78	2.51	1.03			3.742	5.283	2.158 (plot)
		In quartz groundmass.															
					Wt	Av.	370.0	374.3	4.3	2.83	3.35	1.44			12.172	14.427	6.213 (plot)

DIAMOND DRILL RECORD

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PROPERTY

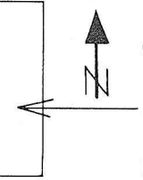
LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. 75-A20 PAGE 6 of 7

CLAIM No.



DIRECTION AND DISTANCE FROM NE. CLAIM POST

~~FOOTAGE~~ metres FROM	TO	DESCRIPTION	Rec. ~~Ft.~~ m	Sample No.	~~Footage~~ metres From	To	Sample Length	Assay Pb	Zn	Ag	Au	Cu	Assay x ~~Feet~~ m Pb	Zn	Ag
373.6	374.0	M MASSIVE SULPHIDE Interbanded pyrite and sphalerite. Banding at 70°.													
374.0	374.3	M Similar to 373.65-373.6. Estimate 15% pyrite, 3% lead-zinc.	12.7/13.5		?	381.2									
374.3	374.7	M Similar to 373.6-374.0													
374.7	381.2	S QUARTZ - SERICITE PHYLLITE Numerous interbanded veins of white quarts. F2 at 60° @ 375, at 90° @ 380. Occasional small 2-3cm masses of lead-zinc mineralization noted.													
381.2	387.2	Sb BLEACHED QUARTZ - SERICITE PHYLLITE Gray to buff colour. Locally consists of sheared breccia of quartz fragments in sericitic groundmass. Scattered wisps and veinlets of lead-zinc mineralization. F2 poorly developed. 384.4-384.9 -- white quartz 386.3-386.4 -- massive pyrrhotite 1st contact at 85°; 2nd contact at 60°. Similar to 372.2-372.65 section.	6.0/6.0												

DIAMOND DRILL RECORD

LOGGED BY J. Paxton

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. 75-A20 PAGE 7 of 7

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

~~FOOTAGE~~ metres FROM	TO	DESCRIPTION	Rec. ~~Ft.~~ m	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x ~~Feet~~ m Pb	Assay x ~~Feet~~ m Zn	Assay x ~~Feet~~ m Ag
387.2	388.8	S QUARTZ - SERICITE PHYLLITE Strong black and white banding migrates across F2. F2 = 60°.	1.6/ 1.6												
388.8	397.8	Sb BLEACHED QUARTZ - SERICITE PHYLLITE 392.5-- 2cm band of pyrrhotite at 60°. F2 strong at 80°.	9.0/ 9.0												
397.8	403.0	S QUARTZ - SERICITE - GRAPHITE PHYLLITE G Dark gray colour. Local irregular masses of white quartz 1-5cm Scattered bands and blebs of pyrite. F2 strong at 80-90°.	5.2/ 5.2												
403.0	406.6	Sb BLEACHED QUARTZ - SERICITE PHYLLITE Pale gray buff colour. Local 1-2cm interbands of quarts. F2 = 80°.	3.6/ 3.6												
	406.6	END OF HOLE													
		REMARKS: 1. Tropari surveyed.													
		2. Cemented with 12 sacks.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 21 PAGE 1 of 5

	Collar	200'	380'	680'
LATITUDE 10 743.08 N 4+00 * BEARING OF HOLE		157°20'	117°20'	157°20'
DEPARTURE 7651.38 E 12W DIP OF HOLE	-90°			
ELEVATION 4229' A.S.L. (1301-68m) * DIP TESTS		-88°30'	-85°	-86°

STARTED July 19/74 O.S.

COMPLETED July 24/74 D.S.

DEPTH Proposed: Ultimate: 856' (260.91m)

CLAIM No. GRUM 3

DIRECTION AND DISTANCE FROM NE. CLAIM POST

* Sperry Sun Survey 1975

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	17.68m														
0	58	Overburden													
58	145	QUARTZ-SERICITE PHYLLITE. Medium grey, quartzy from 58-91' and	11/21		58	79									
		many tiny quartz filled fractures generally near vertical to	4/39		79	118									
		F_2. Moderately competent rock except 58-118', C.A. 65° at 59-78'	75/10		118	128									
		55° at 91'; 60° at 118-124'; 40° at 126'; 60° at 126';	17/17		128	145									
		70° at 132-145'; From 58-145' F_1 at subvertical to F_2													
145	169	QUARTZ-SERICITE-CHLORITE PHYLLITES. Light grey to greenish-grey	22/24		145	169									
		Not as quartzy as above section. 157.5 - 160.5' slightly													
		graphitic and fissile. Moderately competent rock. C.A. at 70°.													
		F_1 subvertical to F_2, not well developed.													
169	250	QUARTZ-SERICITE PHYLLITES. As 58-91'. Local small shears at	71/81		169	250									
		161', 177', 196', 214', + 233'. Fissile. C.A. 60° at 183'; 65°													
		at 206'; 70° at 219'; 60° at 234'-250'													
250	279.8	QUARTZ-SERICITE-CHLORITE PHYLLITES. As 145-169'. Graphitic	28/												
		(slightly) section from 271-274.5. C.A. at 60°. F_1 at 30-60-	29.8		250	279.8									
		90° to F_2.													
279.8	305.6	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey, banded, slightly	24/												
		graphitic. Odd blob and speck pyrrhotite - magnetic. C.A. at	25.8		279.8	305.6									
		60° uniform through section. F_1 near vertical to F_2													
305.6	331.6	QUARTZ-GRAPHITE-SERICITE PHYLLITES. Medium dark grey to black,	16/												
		50-50 graphite-sericite. Schistose and fissile. Approximately	17.4		305.6	323									
		3/one-foot sections of bleached sericite phyllite between 322-	5.2/6		323	329									
		327'. 328.4-331.4' minor sulphide 1% pyrite, 0.4% lead zinc.	25/26		329	331.6									
		331.4-331.6' contact with massive sulphide, 2 lead, 6 zinc	2.9/3	094	328.4	331.4	3.0	.30	.10	TR	TR	.02			
		C.A. 55° at 308'; 65° at 313'; 60-55° at 331. F_1 subvertical													
		to F_2.													

(plot)

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

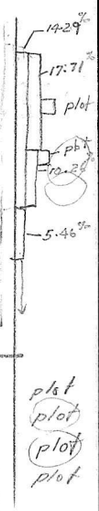
D.D.H. No. A - 21 PAGE 2 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
							2.5						47.4	93.07	19.02
331.6	390.5	SULPHIDE ZONE in graphitic and sericitic phyllites. Sulphides	67/82	095	331.4	339.6	8.2	5.78	11.35	2.32	.02	.08	~~46.24~~	~~90.80~~	~~18.56~~
		occur in massive pyritic bands, banded within quartz or graphite	2.4	096	339.6	342.2	2.6	.10	.30	TR	TR	.02	.26	.78	0.00
		also disseminated within quartz bands. Scattered specks silvery	6.9	097	342.2	351.5	9.3	8.25	14.83	4.36	.02	.15	76.73	137.92	40.55
		metallic mineral - arseno pyrite? Quartzy.	6	098	351.5	359	7.5	2.23	4.26	.94	.005	.03	16.73	31.95	7.05
		331.6-337.8 mainly massive pyrite, 4% lead, 8 zinc	6.2	099	359	368.6	9.6	4.43	8.76	1.64	.01	.06	42.53	84.10	15.74
		337.8-342.9 bleached sericite, phyllite with mariposite and	4.4	100	368.6	373	4.4	3.75	1.44	1.16	.01	.06	16.5	6.34	5.10
		pyrite at end	4.5	101	373	378	5	4.20	1.50	1.34	.01	.05	21.0	7.5	6.7
		342.9-346 banded quartz graphite phyllite 15% pyrite, 3 lead	7	102	378	385	7	.68	1.74	.28	.005	.08	16.94	Pb Zn	
		8 zinc.	5.7	103	385	390.7	5.7	.64	1.66	.28	.005	.08	13.11	Pb Zn	
		346 -351.5 massive pyrite with high grade lead zinc. 8 lead 10			~~342.2~~	~~368.6~~	~~26.4~~	~~6.15~~	~~9.62~~	~~2.10~~	WT. Av		~~135.99~~	~~253.97~~	~~63.34~~
		zinc, porous and vuggy													
		351.5-356 quartz-graphite -sericite, 1-2% pyrite, 1% lead		WT. Av.	331.4	368.6	37.2	4.92	9.32	2.21	(15.9)		183.45	345.76	82.36
		7 zinc			368.6	378.0	9.4	3.99	1.47	1.26	wt. Av.	(43.2)	37.5	13.84	11.80
		356 -359 quartz-sericite, lenses pyrite 15%; 1 lead 4 zinc		WT. Av	~~331.6~~	351.5	~~19.9~~	6.18	11.53	2.97	(101.6 gm/m.t.)		124.39	231.77	59.57
		359 -368.6 quartz-graphite-sericite, 15% pyrite; 3 lead		Wt Av	351.5	368.6	17.1	3.47	6.79	1.33	(45.7)		59.26	116.05	22.79
		10 zinc													
		368.6-369 bleached sericite, barren													
		369 -390.5 quartz-graphite, 15% pyrite average 3 lead, 4 zinc													
390.5	404.2	SULPHIDE ZONE in bleached sericite phyllite. Bleached buff	6.6	104	390.7	397.3	6.6	.70	1.34	.32	.005	.10	13.46	Pb Zn	
		color, banded, fractured, talcy. 397.3-398.3' graphitic phyllite	5.7	105	397.3	404.2	6.9	.63	1.14	.30	.005	.08	12.20	Pb Zn	
		with negligible sulphides. 10-15% pyrite, 1 lead, 3 zinc.			378.0	404.2	26.2		2.13 Pb Zn		WT. Av.		55.71	Pb Zn	
		Brecciated at 399-403'													
404.2	414.6	QUARTZ-SERICITE-CHLORITE PHYLLITE. Buff green to greenish grey,	10		404.2	4.416									
		siliceous. Moderately altered and bleached. Minor pyrite, lead+													
		zinc from 411-414.6'. C.A. 50° at 406-409'; 70° at 412. F_1													
		subvertical to F_2.													
414.6	480	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey-dark grey-grey	19.4/												
		black. Parts mineralized with pyrite plus odd specks and threads	19.4		414.6	434									
		of sphalerite and specks galena, also scattered blebs and blobs	5	106	434	439	5	.03	.05	TR	.005	.02			
		magnetic pyrrhotite (approximately .05%) C.A. 70-75° at 416-480'	41/41	—	439	480	—								



plot
plot
plot
plot

plot

No plot

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 21 PAGE 3 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		460-480' F_1 at 90° to F_2													
480	594.5	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Similar composition as 415-	6/8		480	488									
		480' but fairly fissile and sheared. Banded with numerous quartz	.5/4		488	492									
		veins 0.1'-0.4' wide and one 4.3' at 565-569.3'. High zinc	24/26		492	518									
		mineralization at 562.3-565.5' in bleached sericite and	10/12		518	530									
		graphite phyllite, 2 Lead 5 Zinc. C.A. 70-75° at 498-560';	2/7		530	537									
		85° at 573'; 70° at 577'; 70-75° at 591'	10/11		537	548									
			4.5	107	548	553	5	.08	.33	TR	TR	.02			
			88/93		553	562.3									
			3.2	108	562.3	565.5	3.2	1.60	3.24	.68	.005	.04			
			24/24.5	—	565.5	590	—								
			4.5	109	590	594.5	4.5	.08	.10	.26	TR	.03			
594.5	668	SULPHIDE ZONE in Graphitic and Sericitic Phyllites. Sphalerite	6.5	110	594.5	601.5	7	2.43	4.74	1.24	.01	.12	17.01	33.18	8.68
		and galena occur within both graphitic and sericitic unit, also	5.6	111	601.5	608	6.5	3.08	5.04	1.40	.01	.09	20.02	32.76	9.10
		within massive pyrite zones. 664.3-668 bleached quartz-sericite	5	112	608	613	5	2.50	4.20	1.52	.01	.09	12.50	21.00	7.60
		phyllite of minor sulphite. 594.5-596.3' massive pyrite (75%)	113	& 114	613	623	10	4.43	8.76	2.08	.02	.12	44.3	87.6	20.8
		3 lead, 10 zinc, slightly porous; 601.8 quartz-graphitic	10	115	623	633	10	4.28	9.12	2.24	.02	.04	42.8	91.2	22.4
		phyllite 2-% pyrite, average 1 lead, 3 zinc	5	116	633	638	5	5.03	9.36	2.44	.02	.17	25.15	46.80	12.20
		601.8-624 ✓ massive pyrite, porous, as 595-596' disseminated	5	117	638	643	5	6.83	11.5	3.76	.04	.17	34.15	57.50	18.80
		and banded, lead + zinc except 605.5-608.5';	5	118	643	648	5	2.25	4.26	1.50	.02	.15	11.25	21.30	7.50
		-634.8 banded quartz-sulphide, 20% pyrite, 2% lead, 8%	8.3	119	648	657	9	5.18	9.00	1.32	.01	.12	46.62	81.00	11.88
		zinc, bright brown and honey colored sphalerite;	5	120	657	662	5	.15	.23	.16	.01	.11	2.36 Pb Zn		
		-647.6 massive pyrite, as 602-624;	5.3	121	662	667.3	5.3	.42	.74	.20	.005	.07	6.14 Pb Zn		
		-657 banded quartz-graphite phyllite, 30% pyrite, 6 lead	0.7		667.3	668									
		11 zinc;			594.5	613.0	18.5	2.68	4.70	1.37	Wt. Av.		49.53	86.94	25.32
		-664.3 banded quartz-graphite phyllite, 25% pyrite, minor													
		lead-zinc			601.5	623	21.5	3.57	6.57	1.74					
		-668 bleached sericite phyllite, 15% pyrite, minor lead-													
		zinc			613.0	657.0	44.0	4.64	8.76	2.13	Wt. Av.		204.27	385.4	93.58
					594.5	657.0	62.5	4.06	7.56	1.90	(45.3 oz/ton)				

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 21 PAGE 4 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
					657.0	667.3	10.3	0.8 Pb	Zn	wt. Au.			8.50 Pb Zn.		
		Core angles: 30° at 595'; 80° at 597'; 70° at 599'; 60° at 604'; 40° 610'; 60° at 615-646'; 65° at 647'; 70° at 649'; 50° at 652'; 80° at 653'; 60° at 655'; 70° at 656'; 80° at 677'													
668	689.4	QUARTZ-SERICITE PHYLLITE. Medium grey, thinly laminated. Intermittent quartz veinlets with (ankerite?) and splashes pyrite. Core angle 80-85° at 668-676'; 70° at 677-688'	21.4/ 21.4	—	668	689.4	—								
689.4	808	SULPHIDE ZONE in Quartzy-Graphite Phyllite. As 648-664', 689-725 25-30% pyrite, 2 lead, 4 zinc. Mainly F_2 mineralization. specks chalco and arseno. 717-808'. Rock highly siliceous, graphite disseminated in quartzose bands, more copper in bleb + fractures.	7.5	122	689.4	696.9	7.5	.98	1.58	.32	.01	.08	19.20	Pb Zn	
			7	123	696.9	703.9	7	.18	.51	.48	.01	.12	4.83	"	
			7.6	124	703.9	711.5	7.6	.34	.29	.24	.005	.10	4.78	"	
			5.7	125	711.5	717.2	5.7	.74	1.10	.16	.01	.06	10.49	"	
		725-734.6 25-30% pyrite, 1.5-2% lead + zinc	8	126	717.2	725.2	8	1.53	2.22	.60	.01	.06	19.46	"	
		743.3 20% pyrite, 2 lead, 4 zinc	9.4	127	725.2	734.6	9.4	.23	.33	.28	.01	.13	5.26	"	
		763 30% pyrite, 1.5% lead-zinc	8.7	128	734.6	743.3	8.7	1.35	1.19	.76	.01	.16	22.09	"	
		767 25 pyrite, 1,5 lead, 4 zinc	4.7	129	743.3	748	4.7	.15	.46	.28	.01	.22	2.86	"	
		779.5 25 pyrite, 1,5 lead, 3 zinc	10	130	748	758	10	.10	.14	.32	.01	.18	2.4	"	
		808 25-15% pyrite, 1%± lead-zinc, slight increase in chalco	5	131	758	763	5	.18	.25	.24	.005	.18	1.34	"	
		Core angles: 70° at 692'; 85° at 694'; 65° at 696'; 85° at 699'; 80° at 703-719'; F_1 subvertical F_2 at 705-708';	5	132	763	768	5	.89	1.08	.68	.01	.10	9.85	"	
			4.9	133	768	775	7	1.25	1.54	.72	.01	.12	19.53	"	
		70° at 720'; 80-85° at 725-742' + F_1 at 30° + 90° to F_2, 70° at 755-767 + F_1 subvertical to F_2; 60° at 768'	3.4	134	775	779	4	.54	.78	.28	.01	.12	5.28	"	
			10	135	779	789	10	.17	.28	.16	.01	.30	4.50	"	
		80° at 777', 70° at 779'; 80° at 793'	10	136	789	799	10	.08	.19	.18	.01	.17	2.7	"	
			8	137	799	808	9	.08	.56	.28	.005	.25	5.76	"	
808	814.8	MASSIVE SULPHIDE BRECCIA. Massive fine grained, pyrite breccia and	6.8	138	808	814.8	6.8	1.93	2.64	1.12	.01	.32	—		
		massive pyrite (fractured but not brecciated) in contact at 10° to 30° to core. Breccia composed of siliceous pyrite and or sphalerite			689.1	743.3	53.9		1.50 Pb Zn		wt. Au.		81.11	Pb Zn	
		and galena, from minute particle size to o.1', angular fragments mainly, partly rounded. Upper contact show both massive and			743.3	763	19.7		.33 Pb Zn		wt. Au.		6.6	Pb Zn	
		brecciate pyrite in contact with quartz-graphite phyllite. At 8085' remnant of phyllite (15° to core) 1/2 retained original C.A., other			763	775	12.0		2.45 Pb Zn		wt. Au.		29.38	Pb Zn	
					775	808	33.0		.55 Pb Zn		wt. Au.		18.24	Pb Zn	
					804.8	814.8	10.0	1.34	1.97	0.85	(29.1 gm)				

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 21 PAGE 5 of 5

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		1/2 of phyllite formed matrix of sulphide breccia. Lead-zinc (mainly) occur in bands (not many) within the massive pyrite and pyrite breccia. 90% pyrite, 1 lead, 2-3 zinc C.A. 60° at 809-814'													
814.8	856	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey with darker bands, mainly thinly laminated and fissile.	2.9/3.2		814.8	818									
		814.8-817.4 altered, contorted, buff grey, sericitic	2.7/6 2.5/6		818 824	824 830									
		817.4-824 shear zone, graphitic 824 -828 graphitic	26/26		830	856									
		829 -856 sericitic Minor pyrite in quartz bands, also in fractures; 0.5% pyrite. Odd bleb of pyrrhotite (magnetic), no lead-zinc noted.													
		C.A. 70° at 828'; 75° at 839'; 85° at 849-856'. F_1 at 90° to F_2 at 849-856'													
	856	END OF HOLE													
		Note: Grain size of pyrite, sphalerite and galena vary from fine to very fine grain, medium to coarse grain particle size not present.													
		Size of Hole: 0 - 28' NW 28 - 118' BW 118 - 856' BQ													
		Other Notes: Collar + 80' Mud seam Collar to 856' Used drill mud to total depth.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

LATITUDE 10049.58 N 2100N BEARING OF HOLE ____ STARTED July 19/74 N.S.

DEPARTURE 7345.91 E 84W DIP OF HOLE - 90° COMPLETED July 27/74 N.S.

ELEVATION 824' P.A. Topog. 4297' (1322.15m) DIP TESTS ____ DEPTH Proposed: Ultimate: 1262' (384.66m)

D.D.H. No. A - 22 PAGE 1 of 10

CLAIM No. CHUCK 5 (?)

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	1.3														
0	6	OVERBURDEN													
	15.1														
6	49.5	QUARTZ-SERICITE PHYLLITE. Medium grey, banded quartz-sericite. 6-13'; bands of quartz veins 0.1'-1' wide. Rock moderately fractured and filled with quartz-carbonate. A few slip faults + X-faults with minor displacements. Rusty weathering to 13'. No sulphides. C.A. 80° at 11'; 70° at 16'; 85° at 17.5'; 70° at 20'; 75° at 28'; 70° at 29'-49'; F_1 at 60° F_2 at 11°; 90° to F_2 at 19'; 40°-90° to F_2 at 30'; 90° at 36'-49'	12/12		6	18									
			31/31.5		18	49.5									
				3.3,	4.9, 5.3,	6.1, 8.5									
				8.8; 5.0;	12.9										
	38.2														
49.5	125.5	QUARTZ-SERICITE-CHLORITE PHYLLITE. Light grey to slightly greenish grey, varying in the amount of chlorite. Banded, thinly laminated and fissile in parts. Splash of pyrite in fracture associated with fold at 75'. Many cross-fractures to 83', numerous from 83-125', quartz-filled; chlorite content increased within last section. C.A. 75-85° at 53-62'; 70° at 64-125'	18/18.5		49.5	68									
			25/30 25/		68	98									
			27.5		98	125.5									
125.5	380.0	QUARTZ-SERICITE PHYLLITE. Light to medium grey, banded, parts thinly laminated, fissile, not competent rock. F_1 prominent from 133-380'. Odd bleb pyrite.	12/30 4/6.5		125.5 155.5	155.5 162									
			48/48.5		162	210.5									
			11/16 1.5/		210.5	226.5									
			3.5 7/8		226.5 280	280 238									
			140/142		238	380									

125.5 - 131.5 shear zone

131.5 - 163 rock broken by adjacent shears

216 - 232 many shears, main shear at 226'-232'

283.5 - 284 shear

C.A. 75-80° at 133-138'; 50° at 148'; 35° at 155'; 70° at 156-178° 80-85° at 178'; 70° at 182'; 65° at 187'; 50° at 193 to 200'; 70° at 201'; 50° at 217'; 0° at 225'; 70° at 226'; 80-85° at 244-247'; 75° at 249-259'; 70° at 260'; 75° at 265'; 70° at 288'; 75-80° at 300-314'; 65° at 322'; 70° at 325'; 70-75° at 338' - 370'; 65° at 379'. F_1 subvertical to F_2

17.5 28.6 38.2 86.6 115.3

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 2 of 10

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
380	404	QUARTZ-GRAPHITE PHYLLITE. Dark grey to black, banded, often thinly laminated, fissile. Moderate fracturing. Minor pyrite. 392-394' bleached, buff sericite, phyllite. 398-404 sheared. C.A. 60-50° at 382'; 75° at 383'; 70° at 387-397'; 30-0° at 401-402'; 70° at 404'. F_1 subvertical F_2	5.5/6		380	386									
			6.5/8		386	404									
404	473	QUARTZ-SERICITE PHYLLITE. Medium grey, banded and thinly laminated. F_1 prominent at upper 1/3 section. Many cross-fractures at 60-90° to F_2; quartz-carbonate filled. Odd bleb or streak of pyrrhotite and pyrite. 438-440.5' bleached buff. C.A. 65° at 407'-450'; 70° at 450-463'; 75-80° at 464-473'. F_1 subvertical F_2.	36/ 36.5		404	440.5									
			2/8.5		440.5	449									
			24/24		449	473									
473	511.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey banded with grey-black, thinly laminated mainly, fissile, quartzose, highly fractured, feldspar-quartz and quartz-carbonate filling. Odd bleb or streak pyrite. 506-507.6' massive pyrite brecciated, 70% pyrite, 1% lead, 3% zinc. C.A. 70° at 474'; 50° at 481'; 60° at 487' (sheared 485-487.5), 80° at 489-502'; 70° at 504'. Shear? at 506'. F_1 at 60° to 90° to F_2	31/33		473	506									
			1.6	139	506	507.6	1.6	1.45	1.58	.68	.01	.44			
			3.9/ 3.9		507.6	511.5									
511.5	543	QUARTZ-SERICITE-CHLORITE PHYLLITE. Grey to greenish-grey thinly laminated, numerous hairline and up to 1/8" fractures, mainly 90° to F_2. 514.5-515° slightly altered + chlorite rich. White quartz vein at 538.5 - 540.5'. C.A. 70°-75° at 514'-515'; 80° at 516'; 75° at 526'; 65° at 537'; 90° at 542'	15/15		511.5	526.5									
			.05/3		526.5	529.5									
			2/3		529.5	532.5									
543	565.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Grey and dark grey to black bands. Moderately siliceous and fissile. Shearing at 552', moderately fractured. Minor pyrite in F_1,F_2 + fractures. Shearing at 20° to cone. C.A.70° at 544'-549'; at 555-562'. F_1 60° + 90° to F_2	10.5/ 10.5		532.5	543.0									
			22/ 22.5		543	565.5									
565.5	593.8	BLEACHED QUARTZ-SERICITE PHYLLITE with pyrite and minor lead-zinc. buff color, siliceous, banded with pyrite and minor lead-zinc.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 3 of 10

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Mainly F_2 mineralization.	6/6		565.5	571.5									
		565.5-570' barren, abundant chlorite from 566-568'	5.0	140	571.5	576.5	5	.75	.50	.16	.005	.18	63	PZ	
		571.5' grey color, graphitic, barren of sulphide	9.8	141	576.5	586.3	9.8	.23	.18	.02	TR	.07	4.0	"	
		573.5' 70% pyrite, .5-1% lead and zinc	5/5.6		(180.4)b	591.9	(0.6)								
		586.3' 10% pyrite, 0.5% lead + zinc	1.9	142	591.9	593.8	1.9	.78	.78	.32	.01	.27			
		589.0' shear		WT. Au											
		591.9' barren, 1.3' quartz vein with ankerite (?)			571.5	586.3	14.8	0.7	PbZn				10.3	PZ	
		593.8' bands sulphides, 25% pyrite, 1% lead + zinc. C.A. 75-70° at 566-590'. F_1 not prominent.			(174.2)		(4.5)								
593.8	619.1	SULPHIDE ZONE in Bleached Quartz-Sericite Phyllite. Composed of	7.4	143	593.8	601.2	7.4	5.03	5.52	2.00	.02	.13	37.2	40.9	14.7
	185.7	massive and banded pyritic lead-zinc sulphides in bleached (buff)	5	144	601.2	606.2	5	6.00	6.84	3.09	.02	.16	30.0	34.2	15.45
		quartzose sericite phyllite. F_2 mineralization. Lower contact	7	145	606.2	613.2	7	.78	1.06	.29	.005	.13			
		irregular (40-80°)	5.9	146	613.2	619.1	5.9	.85	2.40	.88	.005	.24			
		593.8-600.8' massive pyrite (75%), 3 lead, 6 zinc					(3.8)								
		601.2' sericite with 10% pyrite, minor lead-zinc		WT Au	593.8	606.2	12.4	5.42	6.05	2.44	(33.7 oz/ton Ag)		67.2	75.0	30.3
		605.3' banded, disseminated sulphide, 30% pyrite, 7 lead, 10 zinc, honey colored sphalerite		" "	606.2	619.1	12.9	2.87	PbZn						
		609 ' as above, 10% pyrite, minor lead-zinc					(3.9)								
		613.3' banded sulphide in bleached sericite phyllite, 25 pyrite, 2 lead 5 zinc													
		617.2' Massive partly brecciated sulphide 70% pyrite, 4 lead + 5 zinc													
		619.1' banded, 25 pyrite, 1 lead 5 zinc.													
		C.A. 80° at 594.5'; 55°-70° at 596'; 35°-65° at 599'; 55° at 604'; 60° at 608'; 40° at 613'													
619.1	633.7	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey and darker bands, quartzose. Minor pyrite, odd bleb pyrrhotite C.A. 60-65° at 620'; 70° at 623-633'. Lower contact - "slip" fault at 50° to core	14.6/ 14.6		619.1	633.7									
633.7	695.5	QUARTZ-SERICITE PHYLLITE. Light to medium grey, slightly chloritised from 633-642' and from 667.4'-680'. Minor fracturing 634-646' and from 679-690'. Shear (tight) at 685' + at 35° to core.	51.8/ 51.8		633.7	695.5									

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 4 of 10

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		No sulphide mineralization. C.A. 70° at 634-663'; 75-80° at 664-695'													
695.5	745.5	QUARTZ-GRAPHITE PHYLLITE. Grey black to black, banded, also thinly laminated. From 718-729' rock moderately fractured, locally brecciated. From 729 to 745.5' highly sheared, distorted; brecciated and gouged from 729 to 734'. Shearing at approximately 35° to cover. Band of massive pyrite at 739-740', contact (opp) at 30° to core, no lead-zinc; also 0.2' pyrite at 743' and at 741.2 - 741.5'. C.A. 80-85° at 700 - 711'; 70° at 717'-728'; 50° at 745'	28/28.5		695.5	724									
			8/10 11/11.5		724	734									
					734	745.5									
745.5	754.2	SHEAR ZONE. Rock completely altered and bleached buff, much ankerite(?), locally brecciated. Leached at 750.8-754.2', green with mariposite, no sulphides. Sulphides in remaining sections, but only pyrite, average 15% pyrite. Lower contact at 30° to core.	8.5/8.7		745.5	754.2									
754.2	795.5	SULPHIDE ZONE IN QUARTZ-GRAPHITE PHYLLITE + Sulphide Breccia Mineralization composed of massive sulphides, sulphide and quartz graphite phyllite breccia plus sulphides in quartz-graphite phyllite. Upper section highly contorted. 754.2-758.1 Bands massive pyrite with lead-zinc, bands high sphalerite with pyrite, also sulphide + quartz breccia - 1/8" to 1/4" size, also bleached phyllite + mariposite. 20% pyrite, 3 lead, 9 zinc.	3.6	147	754.2	758	3.8	4.35	8.50	1.72	.02	.12	16.53	32.3	6.54
			2.2	148	758	761.5	3.5	6.83	8.40	3.88	.04	.27	23.90	29.4	13.58
			3	149	761.5	767	5.5	3.23	4.44	1.48	.02	.15	17.77	24.42	8.14
			10	150	767	777	10	5.33	8.88	2.28	.02	.09	53.30	88.80	22.80
			10	151	777	787	10	2.35	5.16	1.40	.02	.07	23.5	51.6	14.0
			8.8	152	787	796	9	2.08	4.56	1.72	.02	.06	18.72	41.04	15.48
		758.1-767.9' Mainly massive pyrite with lead-zinc. 40% pyrite, 4 lead, 10 zinc;		Wt. Au	(229.9) 754.2	(6.9) 777	22.8'	4.87	7.67	2.24	(76.8)		111.5	174.92	51.06
		783.0' Sulphide breccia + quartz-graphite phyllite breccia in ground massive of graphitic quartz. Fragments minute size to 0.1", mainly angular. Graphitic quartz fragments similar to that in DDH #A-21; graphite disseminated in quartz giving dark smoky appearance. Rock highly siliceous and hard. 40% pyrite, 4 lead + 12 zinc. F_1 + F_2 mineralization;		Wt. Au	777	796	19.0	2.22	4.88	1.55	(53.1)		42.22	92.64	29.48
							(5.8)								

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 5 of 10

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		795.5 Banded sulphide in quartz-graphite phyllite, highly siliceous and hard as above. 40% pyrite, 4 lead, 10 zinc. ?													
		C.A. 70° at 773-744.5, breccia +F_2 contact parallel core, also folded, 70° at 778'; 55-60° at 785'; at 787-789' F_1 parallel core.													
795.5	806.5	SULPHIDE ZONE in Bleached Quartz-Sericite Phyllite. Bleached to buff	.6	153	796	798.5	(0.7) 2.5	1.93	3.06	.68	.01	.08	3.67	5.81	1.70
		color, locally brecciated. Mineralization mainly pyrite. 25% pyrite,	8	154	798.5	806.5	8	.23	.43	.16	.005	.08	5.28 Pb Zn		
		1% lead + zinc. Small scale faulting. F_1 + F_2 mineralization.													
		C.A. 65° F_1 subvertical.													
806.5	844.3	SULPHIDE ZONE in Quartz-Graphite Phyllite, Bonded + massive	3.9	155	806.5	810.4	3.9	.63	.25	.60	.005	.12	3.4	2 Pb Zn	
		sulphides. Mineralization occurs in narrow bands as 783-795', also	9.8	156	810.4	820.2	9.8	3.83	6.96	1.52	.01	.10	37.53	68.21	14.9
		as massive pyritic sulphides. Locally brecciated and faulted	4.3	157	820.2	824.5	4.3	.69	1.40	.48	.01	.28	.14 4.36	.28 6.02	.0 % 2.06
		(small scale). F_1 + F_2 mineralization.	4.1	158	824.5	828.6	4.1	2.08	2.00	1.32	.02	.31	8.52	8.2	5.41
		806.5 - 819.4 sulphide in phyllite, 25% pyrite, 806.5-810.4, 1%	6.3	159	828.6	834.9	6.3	4.35	8.16	1.82	.02	.12	27.41	51.41	11.47
		lead-zinc, a few clusters of arsenopyrite; 810.4-	9.7	160	834.9	844.6	9.7	4.35	7.68	1.94	.02	.21	42.20	74.50	18.8
		819.4 , 5 lead, 20 zinc. Brecciation + recrystalization		Wt. Av	777.0	798.5	20.9	2.20	4.71	1.47		6.4	45.89	98.4	30.
		of quartz and sulphide give mottled appearance of													
		quartz bands.		Wt. Av	798.5	810.4	11.9	.73	Pb Zn			(3.6)	8	.70 Pb Zn	
	828	90% pyrite, massive pyrite, fine grained hard,		Wt. Av	810.4	820.4	10	3.77	6.85	1.50	(51.4) gm	(3.0)	37.67	68.49	14.9
		fractures at 10°, 30-40°, 45° to core;		Wt. Av.	820.2	824.5	8.4	2.1 Pb Zn				(2.5)			
		820.2 - 824.5 1% lead-zinc		Wt. Av	828.6	844.6	16.0	4.35	7.87	1.89	(67.8)	(4.9)	69.61	125.91	30.2
		824.5 - 828 4% lead-zinc													
		834.5 Banded quartz-graphite phyllite 20% pyrite, 4 lead, 15 zinc													
		844.3 Massive pyrite as 820-828. 834.5-837.7, 90% pyrite, 1% lead-zinc; 837.7 - 844.3 70% pyrite, 4 lead, 8 zinc.													
		C.A. V 50° at 815'; 75° at 819'; 60° at 827'; 40° at 837'; shear contact at 839; 65° at 843'; 45° at 807'; 50° at 809; 55° at 812'.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 6 of 10

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
844.3	901.5	QUARTZ-GRAPHITE PHYLLITE. Medium grey and black bands, moderately	3.3/ 3.4		844.6	848									
		fissile, 60% quartz, highly folded + decreasing to bottom. Average 1.5% pyrite occuring within quartz bands and fractures	38/ 38.5	(270.5)	848	886.5									
		as blebs and stringers (mainly). Scattered blebs magnetic	11/11		886.5	887.6	(0.5)								
		pyrrhotite (o.o1%), also minor magnetite. Odd speck sphalerite.	1.6	161	887.6	889.2	1.6	6.68	11.45	4.44	.02	.08			
		Mineralization F_1 + F_2. Shear parallel to F_2 at 846-847'. 887.6-	2/2.8		889.2	892									
		889.2' 70% massive sulphide, 30% pyrite, 3 lead 10 zinc. 900.4 -	6/6		892	898									
		901.5 fractured and folded 10 pyrite, 1 lead, 3 zinc.	2.4	162	898	900.4	2.4	.08	.10	.20	TR	.02			
		C.A. 65° at 845'; 50° at 853'; 60° at 856'; 50° at 858'; 60° at			(273.7)		(0.7)								
		861'; F_1 at 35°. 90° to F_2. 55° at 863'; 30° at 865.5'; 60-30° at													
		867-869'; 30-50° at 873-874'; 45° at 877'; 55° at 881-889';													
		40° at 890-92'; 55° at 893'; 70° at 896'; 65° at 899'					(0.8)								
901.5	914.8	SULPHIDE ZONE in Quartz-Graphite-Sericite Phyllite.	2.8	163	900.4	903.2	2.8	1.58	3.00	.80	.02	.04			
		Mineralization occurs as fine dissemination and bands, also	4.8	164	903.2	908	4.8	6.60	12.67	2.76	.02	.08	31.68	60.8	13.25
		massive sericitic sections bleached and partly leveled, accompa-	6.3	165	908	914.8	6.8	6.00	11.92	3.72	.02	.15	40.8	81.05	25.29
		nied by formation of mariposite.													
		901.5 - 903.3 - Bleached sericite with graphite, 2 bands of		Wt. Av	903.2	914.8	11.6	6.30	12.50	3.24	(111.1) Ag.		72.48	141.35	
		heavy zinc, 3% lead-zinc													
		914.8 - Disseminate and banded sulphide plus massive					(3.5)								
		pyritic sulphides, also 3 - 0.3' leached phyllites													
		50% pyrite, 9 zinc, 3 lead. Brecciated at 913'													
		C.A. 60° at 908'; 75° at 903'; 65° at 904'; 85° at 908'; 80° at													
		911'; 65° at 914'					(1.0)								
914.8	926.8	QUARTZ-GRAPHITE-SERICITE PHYLLITES. Alternating sections of	3.2	166	914.8	918	3.2	.05	.06	.04	.005	.03			
		graphitic and sericitic phyllites, also quartz veins. Graphitic	8.7/												
		phyllite fairly fissile but sericitic phyllite moderately	8.8		918	926.8									
		competent. Streaks and blebs pyrite within quartz bands, odd													
		specks sphalerite and pyrrhotite. Shearing, folding and fracturing													
		plus local brecciation. 4% pyrite following F_2 and late fractures.													
		C.A. 70-80° at 919'; 50° at 923', 85° at 926'													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
926.8	981	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Medium grey, thinly laminated to 851'. shear, irregular, approximately 45° to core at 940.5 - 941'; F_1 also prominent here. F_1 also prominent from 852' and 944.5 to 956'. Chlorite rich sections at 960', 974'-981'. Occasional brown biotite occurance. Pyrrhotite in streaks, small lenses and blebs scattered throughout 0.2%. C.A. 80° at 928-952', 70° at 953'; 80° at 955'; 90° at 960-974', 85° at 76'	54/ 54.2		926.8	981									
981	996.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. As 927-981' except addition of 10-15° graphite. Pyrite less, pyrrhotite same C.A. 80°-70° at 983'; 70° at 996'	15.5/ 15.5		981	996.5									
996.5	1003.8	QUARTZ-SERICITE-CHLORITE PHYLLITE. Greyish green color. Rock massive, fairly fresh-looking. No sulphide C.A. 70°	7.3/ 7.3		996.5	1003.8									
1003.8	1015	QUARTZ-SERICITE-GRAPHITE-CHLORITE PHYLLITES. Short sections of all the phyllitic units. No pyrite, more pyrrhotite approximately 0.4%. Local folds. C.A. 70-60°	11.2/ 11.2		1003.8	1015									
1015	1037.6	QUARTZ-GRAPHITE PHYLLITE. Intermittent grey and black bands, often thinly laminated. Highly folded section. F_1 prominent subvertical to F_2, often at 40°. Negligible pyrite, blebs chalco, blebs and lenses pyrrhotite, commonly associated with quartz-filled fractures highly magnetic - content 0.5%. Shear at 1032-1033' at 40-55° to core. C.A. 60° at 1016'; 75° at 1018'-1031'	22.6/ 22.6		1015	1037.6									
1037.6	1046	QUARTZ-SERICITE-CHLORITE-GRAPHITE-PHYLLITE. As 1004-1015' C.A. 80°	8.4/ 8.4		1037.6	1046									
1046	1125.1	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Dark Grey, laminated quartz and thin threads graphite-phyllite. F_1 subvertical to F_2. Rock siliceous and moderately hard to 1090'. Some parts more graphitic. Less pyrrhotite - a few scattered blebs. Shearing at 1088-9' + 1102' at 10° to core and at 1116.2' - 1124.5'; the latter highly contorted,	72/72 7.1/ 7.1		1046 1118	1118 1125.1									

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		also brecciated. 1124.5 - 1125.1' buff with green bands chlorite, high ankerite, quartzy, hard rock, 0.5% lead-zinc. C.A. 80°-70° at 1049'; 70° at 1052'; 75° at 1060'; 65° at 1068'; 70° at 107.1'; 75° at 1095'; 70° at 1099'; 80° at 1107'; 70° at 1109'; 45°-30° at 124.5'			(342.9)										
1125.1	1171.3	SULPHIDE ZONE in QUARTZ-SERICITE-GRAPHITE PHYLLITES. Phyllites "replaced" by sulphides, also by barite in some sections. The latter usually contain much less pyrite and the sulphides appear to be disseminated, though lineation or banding remain. Altered sericite (?) bleached and leached to powdery white, mineralized with mariposite and pyrite occur at 1127.6-1128.5' and forms small fold. Similarly bleached and leached sericite but chloritized (no mariposite) occur at 1164.2-1166.3. A 0.25' "tongue" of pyrite-lead-zinc massive sulphides has replaced or intruded into the sericite at 1165.5'. Graphite is retained as very fine disseminations within quartz bands; when dry appear as light grey wavy bands, when wet appear as black quartzy bands. The graphitic quartz occur as broken linear bands, brecciated linear bands, sometime in a broken pattern. Graphite also occurs as fine dissemination and splashes with the disseminated sulphides in quartz-barite. Zone generally siliceous, rock fairly hard.	6.6	167	1125.1	1131.7	6.6	4.35	7.20	2.36	.02	.10	28.71	47.52	15.6
			1	168	1131.7	1133.2	1.5	6.08	10.65	2.88	.02	.09	9.12	15.97	4.32
			5.8	169	1133.2	1140	6.8	3.53	6.36	1.28	.02	.04	22.78	43.24	8.70
			5.1	170	1140	1145.6	5.6	3.53	6.60	1.44	.02	.04	19.76	36.96	8.06
			10	171	1145.6	1155.6	10	4.88	7.80	2.92	.02	.10	48.8	78.0	29.2
			8.6	172	1155.6	1164.2	8.6	5.18	8.76	2.59			44.54	75.33	22.27
			2.1	173	1164.2	1166.3	2.1	.50	.77	.18		(0.6)	1.05	1.62	.38
			2.8	174	1166.3	1169.1	2.8	4.58	7.80	2.56		8.7	12.82	21.84	7.17
			1.1	175	1169.1	1170.2	1.1	2.55	3.54	.97			2.81	3.89	1.07
			2.6	176	1170.2	1172.9	2.7	.47	.40	.24		(0.8)	1.269	1.08	0.648
				Wt. Au.	1125.1	1164.2	39.1	4.47	7.60	2.25	(77.1) opt.	opt. (11.9)	173.71	297.02	87.97
				" "	1166.3	1170.2	3.9	4.01	6.6	2.11	(72.3)	(1.2)	15.63	25.73	8.24
				" "	1164.2	1170.2	6.0	2.78	5.01	1.44	(49.4)	(1.8)	16.68	30.05	8.62
		125.7', + sericite phyllite. 65 pyrite, 3 lead 5 zinc													
		1131.5 disseminated sulphide in faint bands, 45% pyrite, 3 lead, 5 zinc			1164.2	1172.9		2.06	3.26	1.06	(36.5)				
		1134 massive pyrite, porous, 90% pyrite, (1 lead 3 zinc)?													
		1145.6 banded quartz-graphite with sulphide, 4 lead 2 zinc, 50 pyrite													
		1169 disseminated sulphide in faint bands 40-50 pyrite, 2-3 lead, 4-6 zinc													
		1171.3 bleached quartz-sericite-chlorite phyllite with 0.45' band pyrite, lead-zinc.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		C.A. 55° at 1125.5'; 40° at 1127'; 35° at 1129'; 40° at 1133'; 30° at 1135'; 10° at 1137'; 0-10° at 1140'; 25-30° at 1141'; 50° at 1144; 45° at 1147'; 40° at 1153'; 50° at 1155'; 55° at 1158'; 63° at 1159'; 75-80° at 1162'; 50° at 1163'-1166'; 65° at 1167'; 70° at 1169-1171'.													
1171.3	1189.8	QUARTZ-SERICITE-GRAPHITE PHYLLITES WITH SULPHIDES. Medium grey and dark grey bands of graphitic phyllites plus altered bands sericite phyllite. Also section of pyrite-lead-zinc sulphides at lower contact.	11.9/ 11.9	—	1172.9	1184.8	—								
			3.8/ 3.8	177	(361.1) 1184.8	1188.6	1.2 3.8	3.08	5.28	1.88					
			2.2	178	1188.6	1191.8	2.2 0.7	.14	.12	.03					
		1171.3 - 1172.5 quartz-sericite-graphite phyllite; 5% pyrite, 0.4% lead-zinc													
		1176 partly bleached quartz-sericite phyllite, negligible pyrite													
		1184.8 quartz-sericite-graphite phyllite; 2-3% pyrite, probable speck lead-zinc													
		1188.6 massive and banded pyrite with lead-zinc also graphite phyllite, 50% pyrite, 5 lead-4 zinc													
		1190 quartz-sericite phyllite, bleached buff 5% pyrite, speck pyrrhotite.													
		shear at 1176.5' at 40° to core. C.A. 85° at 1173.5'; 70° at 1176'; 55° at 1177'; 70° at 1179'; 60° at 1183'; 45° at 1186'; 55° at 1189'													
1189.8	1214.7	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Medium grey, thinly laminated, fresh-looking rock. Scattered blebs pyrrhotite, also pyrite. C.A. 50° at 1193-1196'; 55° at 1197'; 60° at 1207-1211'; 50° at 1213'	21.5/ 22.9	—	1191.8	1214.7	—								
1214.7	1220.5	QUARTZ-SERICITE-CHLORITE PHYLLITE. light grey to greenish grey, altered, lower 2/3 bleached. Bands of pyrrhotite at 1218.1'-1218.7' and 1219.7 - 1220.2', with minor zinc. C.A. 60° at 1217'; 70° at 1220'	5.8/ 5.8	—	1214.7	1220.5	—								

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 10 of 10

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
1220.5	1262	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Medium grey and dark grey banded. Mainly quartz, fissile when thinly laminated. 1221-1232' F_1 prominent at 40°-90° to F_2, also intense fracturing (tiny) subvertical to F_2. 1240-1262' increasing amount of brown mica. This section of phyllites contains greater than usual amounts of pyrrhotite, approximately 0.2% occuring in $F_1 + F_2$, as blebs and streaks, also filling fractures. Pyrrhotite also occurs though amount less than pyrite. Minor specks of chalcopyrite and sphalerite noted in upper 10' of section. C.A. 70° at 1222'-1238'; 80° at 1234' ; 70° at 1243'; 65° at 1243'-1249'; folded at 1249-1250.5'; 70° at 1251'; 80° at 1255.5'; 70-80° at 1256-1262'
	1262	END OF HOLE
		Note: Sulphide Grain Size - fine to very fine. Massive pyrite often fine granular but when barren of lead-zinc mainly very fine-grained and hard.
		Size of Hole: 0 - 10' BW 10 - 1262' BQ
		Other Notes: 1. Lost water return at 759'. Continued drilling to 1262' with no water return, using mud + diesel fuel + sawdust. 2. 8' BW casing left in hole at collar (stock) with casing shoe #14 ZW 028.

Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
10.5/10.5	—	1220.5	1231	—								
19/20	—	1231	1251	—								
10/11	—	1251	1262	—								

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 22 PAGE 1 of 10

LATITUDE 10949.58 N 2100N BEARING OF HOLE _____ STARTED July 19/74 N.S.

DEPARTURE 7345.91 E 84W DIP OF HOLE - 90° COMPLETED July 27/74 N.S.

CLAIM No. CHUCK 5 (?)

DIRECTION AND DISTANCE FROM NE. CLAIM POST

ELEVATION 824' P.A. Topog. 4297' (1322.15m) DIP TESTS _____ DEPTH Proposed: Ultimate: 1262' (384.66m)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	1.8														
0	6	OVERBURDEN													
	15.1														
6	49.5	QUARTZ-SERICITE PHYLLITE. Medium grey, banded quartz-sericite.	12/12		6	18									
		6-13's bands of quartz veins 0.1'-1' wide. Rock moderately fractured and filled with quartz-carbonate. A few slip faults +	31/31.5		18	49.5									
		X-faults with minor displacements. Rusty weathering to 13'. No sulphides. C.A. 80° at 11'; 70° at 16'; 85° at 17.5'; 70° at 20';		3.3,	4.9; 5.3; 6.1; 8.5										
		75° at 28'; 70° at 29'-49'; F_1 at 60° F_2 at 11'; 90° to F_2 at 19'; 40°-90° to F_2 at 30'; 90° at 36'-49'		8.8; 5.8; 12.9											
	38.2														
49.5	125.5	QUARTZ-SERICITE-CHLORITE PHYLLITE. Light grey to slightly	18/18.5		49.5	68									
		greenish grey, varying in the amount of chlorite. Banded, thinly laminated and fissile in parts. Splash of pyrite in fracture	25/30 25/		68	98									
		associated with fold at 75'. Many cross-fractures to 83', numerous from 83-125', quartz-filled; chlorite content increased within	27.5		98	125.5									
		last section. C.A. 75-85° at 53-62'; 70° at 64-125'													
		17.5 28.8													
125.5	380.0	QUARTZ-SERICITE PHYLLITE. Light to medium grey, banded, parts	12/30		125.5	155.5									
	115.8	thinly laminated, fissile, not competent rock. F_1 prominent	4/6.5		155.5	162									
		from 133-380'. Odd bleb pyrite.	48/48.5		162	210.5									
		125.5 - 131.5 shear zone 38.2													
		131.5 - 163 rock broken by adjacent shears	11/16		210.5	226.5									
		216 - 232 many shears, main shear at 226'-232'	1.5/												
		283.5 - 284 shear 86.6	3.5		226.5	280									
		C.A. 75-80° at 133-138'; 50° at 148'; 35° at 155'; 70° at 156-178°	7/8		280	238									
		80-85° at 178'; 70° at 182'; 65° at 187'; 50° at 193 to 200';	140/												
		70° at 201'; 50° at 217'; 0° at 225'; 70° at 226'; 80-85° at 244-	142		238	380									
		247'; 75° at 249-259'; 70° at 260'; 75° at 265'; 70° at 288';													
		75-80° at 300-314'; 65° at 322'; 70° at 325'; 70-75° at 338' -													
		370'; 65° at 379'. F_1 subvertical to F_2													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 2 of 10

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
115.8 380	123.1 404	QUARTZ-GRAPHITE PHYLLITE. Dark grey to black, banded, often thinly	5.5/6		380	386									
		laminated, fissile. Moderate fracturing. Minor pyrite. 392-394'	6.5/8		386	404									
	116.4	bleached, buff sericite, phyllite. 398-404 sheared. C.A. 60-50° at 382'; 75° at 383'; 70° at 387-397'; 30-0° at 401-402'; 70° at 404'.													
		F_1 subvertical F_2 119.5 122.4 123.1 116.7													
404	144.2 473	QUARTZ-SERICITE PHYLLITE. Medium grey, banded and thinly laminated.	36/ 36.5		404	440.5									
		F_1 prominent at upper 1/3 section. Many cross-fractures at 60-90°	2/8.5		440.5	449									
		to F_2; quartz-carbonate filled. Odd bleb or streak of pyrrhotite	24/24		449	473									
		and pyrite. 438-440.5' bleached buff. C.A. 65° at 407'-450'; 70° at 450-463'; 75-80° at 464-473'. F_1 subvertical F_2. 130.6													
		139.1 142.8													
473	155.9 511.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey banded with grey-	31/33		473	506									
		black, thinly laminated mainly, fissile, quartzose, highly	1.6	139	506	507.6	1.6	1.45	1.58	.68	.01	.44			(Pb)
		fractured, feldspar-quartz and quartz-carbonate filling. Odd bleb	3.9/		154.2	154.7	0.5								
		or streak pyrite. 506-507.6' massive pyrite brecciated, 70%	3.9		507.6	511.5									
		pyrite, 1% lead, 3% zinc. C.A. 70° at 474'; 50° at 481'; 60° at													
		487' (sheared 485-487.5), 80° at 489-502'; 70° at 504'. Shear? at													
		506'. F_1 at 60° to 90° to F_2													
511.5	165.5 543	QUARTZ-SERICITE-CHLORITE PHYLLITE. Grey to greenish-grey thinly	15/15		511.5	526.5									
		laminated, numerous hairline and up to 1/8" fractures, mainly 90°	.05/3		526.5	529.5									
		to F_2. 514.5-515° slightly altered + chlorite rich. White quartz	2/3		529.5	532.5									
		vein at 538.5 - 540.5'. C.A. 70°-75° at 514'-515'; 80° at 516';	10.5/												
		75° at 526'; 65° at 537'; 90° at 542'	10.5		532.5	543.0									
543	172.4 565.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Grey and dark grey to black													
		bands. Moderately siliceous and fissile. Shearing at 552', moder-	22/												
		ately fractured. Minor pyrite in F_1,F_2 + fractures. Shearing at 20°	22.5		543	565.5									
		to cone. C.A.70° at 544'-549'; at 555-562'. F_1 60° + 90° to F_2													
565.5	593.8 181.0	BLEACHED QUARTZ-SERICITE PHYLLITE with pyrite and minor lead-zinc. buff color, siliceous, banded with pyrite and minor lead-zinc.													

DIAMOND DRILL RECORD

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PROPERTY

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Mainly F_2 mineralization.	6/6		565.5	571.5									
		565.5-570' barren, abundant chlorite from 566-568'	5.0	140	571.5	576.5	5	.75	.50	.16	.005	.18	6.3	PZ	
		571.5' grey color, graphitic, barren of sulphide	9.8	141	576.5	586.3	9.8	.23	.18	.02	TR	.07	4.0	"	
		573.5' 70% pyrite, .5-1% lead and zinc	5/5.6		(180.4)	591.9	(0.6)								
		586.3' 10% pyrite, 0.5% lead + zinc	1.9	142	591.9	593.8	1.9	.78	.78	.32	.01	.27			(plot)
		589.0' shear		Wt. Au	575	586.3	14.8	0.7	Pb Zn				10.3	PZ	(plot)
		591.9' barren, 1.3' quartz vein with ankerite (?)													
		593.8' bands sulphides, 25% pyrite, 1% lead + zinc.			(174.2)		(4.5)								
		C.A. 75-70° at 566-590'. F_1 not prominent.													
593.8	619.1	SULPHIDE ZONE in Bleached Quartz-Sericite Phyllite. Composed of	7.4	143	593.8	601.2	7.4	5.03	5.52	2.00	.02	.13	37.2	40.8	14.8
181.0	188.7	massive and banded pyritic lead-zinc sulphides in bleached (buff)	5	144	601.2	606.2	5	6.00	6.84	3.09	.02	.16	30.0	34.2	15.45
		quartzose sericite phyllite. F_2 mineralization. Lower contact	7	145	606.2	613.2	7	.78	1.06	.29	.005	.13			
		irregular (40-80°)	5.9	146	613.2	619.1	5.9	.85	2.40	.88	.005	.24			
		593.8-600.8' massive pyrite (75%), 3 lead, 6 zinc					(3.8)								
		601.2' sericite with 10% pyrite, minor lead-zinc		Wt Au	593.8	606.2	12.4	5.42	6.05	2.44	(83.7 gm/ton Ag)		67.2	75.0	30.25 (Ag)
		605.3' banded, disseminated sulphide, 30% pyrite, 7 lead,		" "	606.2	619.1	12.9	2.87	Pb Zn						(plot)
		10 zinc, honey colored sphalerite													
		609 ' as above, 10% pyrite, minor lead-zinc					(3.9)								
		613.3' banded sulphide in bleached sericite phyllite, 25													
		pyrite, 2 lead 5 zinc													
		617.2' Massive partly brecciated sulphide 70% pyrite, 4													
		lead + 5 zinc													
		619.1' banded, 25 pyrite, 1 lead 5 zinc.													
		C.A. 80° at 594.5'; 55°-70° at 596'; 35°-65° at 599'; 55° at 604';													
		60° at 608'; 40° at 613'													
	193.1														
619.1	633.7	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey and darker bands,													
		quartzose. Minor pyrite, odd bleb pyrrhotite C.A. 60-65° at 620';	14.6/												
		70° at 623-633'. Lower contact - "slip" fault at 50° to core	14.6		619.1	633.7									
	211.9														
633.7	695.5	QUARTZ-SERICITE PHYLLITE. Light to medium grey, slightly													
		chloritised from 633-642' and from 667.4'-680'. Minor fracturing	51.8/												
		634-646' and from 679-690'. Shear (tight) at 685' + at 35° to core.	51.8		633.7	695.5									

DIAMOND DRILL RECORD

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		No sulphide mineralization. C.A. 70° at 634-663'; 75-80° at 664-695'													
695.5	745.5	QUARTZ-GRAPHITE PHYLLITE. Grey black to black, banded, also thinly laminated. From 718-729' rock moderately fractured, locally brecciated. From 729 to 745.5' highly sheared, distorted; brecciated and gouged from 729 to 734'. Shearing at approximately 35° to cover. Band of massive pyrite at 739-740', contact (opp) at 30° to core, no lead-zinc; also 0.2' pyrite at 743' and at 741.2 - 741.5'. C.A. 80-85° at 700 - 711'; 70° at 717'-728'; 50° at 745'	28/28.5		695.5	724									
			8/10 11/		724	734									
			11.5		734	745.5									
745.5	754.2	SHEAR ZONE. Rock completely altered and bleached buff, much ankerite(?), locally brecciated. Leached at 750.8-754.2', green with mariposite, no sulphides. Sulphides in remaining sections, but only pyrite, average 15% pyrite. Lower contact at 30° to core.	8.5/8.7		745.5	754.2									
754.2	795.5	SULPHIDE ZONE IN QUARTZ-GRAPHITE PHYLLITE + Sulphide Breccia Mineralization composed of massive sulphides, sulphide and quartz graphite phyllite breccia plus sulphides in quartz-graphite phyllite. Upper section highly contorted. 754.2-758.1 Bands massive pyrite with lead-zinc, bands high sphalerite with pyrite, also sulphide + quartz breccia - 1/8" to 1/4" size, also bleached phyllite + mariposite. 20% pyrite, 3 lead, 9 zinc.	3.6	147	754.2	758	3.8	4.35	8.50	1.72	.02	.12	16.53	32.3	6.54
			2.2	148	758	761.5	3.5	6.83	8.40	3.88	.04	.27	23.90	29.4	13.58
			3	149	761.5	767	5.5	3.23	4.44	1.48	.02	.15	17.77	24.42	8.14
			10	150	767	777	10	5.33	8.88	2.28	.02	.09	53.30	88.80	22.80
			10	151	777	787	10	2.35	5.16	1.40	.02	.07	23.5	51.6	14.0
			8.8	152	787	796	9	2.08	4.56	1.72	.02	.06	18.72	41.04	15.48
		758.1-767.9' Mainly massive pyrite with lead-zinc. 40% pyrite, 4 lead, 10 zinc;		Wt. Au.	(229.9) 754.2	(6.9) 777	22.8'	4.89	7.67	2.24	(76.8)		111.5	174.92	51.06
		783.0' Sulphide breccia + quartz-graphite phyllite breccia in ground massive of graphitic quartz. Fragments minute size to 0.1", mainly angular. Graphitic quartz fragments similar to that in DDH #A-21; graphite disseminated in quartz giving dark smoky appearance. Rock highly siliceous and hard. 40% pyrite, 4 lead + 12 zinc. F_1 + F_2 mineralization;		Wt. Au.	777	796	19.0 (5.8)	2.22	4.88	1.55	(53.1)		42.22	92.64	29.48

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		795.5 Banded sulphide in quartz-graphite phyllite, highly siliceous and hard as above. 40% pyrite, 4 lead, 10 zinc.													
		C.A. 70° at 773-744.5, breccia +F_2 contact parallel core, also folded, 70° at 778'; 55-60° at 785'; at 787-789' F_1 parallel core.													
795.5	806.5	SULPHIDE ZONE in Bleached Quartz-Sericite Phyllite. Bleached to buff color, locally brecciated. Mineralization mainly pyrite. 25% pyrite, 1% lead + zinc. Small scale faulting. F_1 + F_2 mineralization.	.6	153	796	798.5	(0.7) 2.5	1.93	3.06	.68	.01	.08	3.67	5.81	1.79
			8	154	798.5	806.5	8	.23	.43	.16	.005	.08	5.28 Pb Zn		
		C.A. 65° F_1 subvertical.													
806.5	844.3	SULPHIDE ZONE in Quartz-Graphite Phyllite, Bonded + massive sulphides. Mineralization occurs in narrow bands as 783-795', also	3.9	155	806.5	810.4	3.9	.63	.25	.60	.005	.12	3.4	2 Pb Zn	
			9.8	156	810.4	820.2	9.8	3.83	6.96	1.52	.01	.10	37.53	68.21	14.90
		as massive pyritic sulphides. Locally brecciated and faulted (small scale). F_1 + F_2 mineralization.	4.3	157	820.2	824.5	4.3	.69	1.40	.48	.01	.28	.14 4.36	.28 6.02	.096 2.06
			4.1	158	824.5	828.6	4.1	2.08	2.00	1.32	.02	.31	8.52	8.2	5.41
		806.5 - 819.4 sulphide in phyllite, 25% pyrite, 806.5-810.4, 1% lead-zinc, a few clusters of arsenopyrite; 810.4-819.4, 5 lead, 20 zinc. Brecciation + recrystalization of quartz and sulphide give mottled appearance of quartz bands.	6.3	159	828.6	834.9	6.3	4.35	8.16	1.82	.02	.12	27.41	51.41	11.47
			9.7	160	834.9	844.6	9.7	4.35	7.68	1.94	.02	.21	42.20	74.50	18.82
				Wt. Av	777.0	798.5	20.9	2.20	4.71	1.47		(6.4)	45.89	98.45	30.77
				Wt. Av	798.5	810.4	11.9	.73 Pb Zn				(3.6)	8	.70 Pb Zn	
		828 90% pyrite, massive pyrite, fine grained hard, fractures at 10°, 30-40°, 45° to core; 820.2 - 824.5 1% lead-zinc 824.5 - 828 4% lead-zinc		Wt. Av	810.4	820.4	10	3.77	6.85	1.50	(51.4)	(3.0)	37.67	68.49	14.996
				Wt. Av	820.2	824.5	8.4	2.1 Pb Zn				(2.5)			
				Wt. Av	828.6	844.6	16.0	4.35	7.87	1.89	(64.8)	(4.9)	69.61	125.91	30.29
		834.5 Banded quartz-graphite phyllite 20% pyrite, 4 lead, 15 zinc													
		844.3 Massive pyrite as 820-828. 834.5-837.7, 90% pyrite, 1% lead-zinc; 837.7 - 844.3 70% pyrite, 4 lead, 8 zinc.													
		C.A. V 50° at 815'; 75° at 819'; 60° at 827'; 40° at 837'; shear contact at 839; 65° at 843'; 45° at 807'; 50° at 809; 55° at 812'.													

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			3.3/												
844.3	901.5	QUARTZ-GRAPHITE PHYLLITE. Medium grey and black bands, moderately	3.4		844.6	848									
		fissile, 60% quartz, highly folded + decreasing to bottom.	38/												
		Average 1.5% pyrite occuring within quartz bands and fractures	38.5	(270.5)	848	886.5									
		as blebs and stringers (mainly). Scattered blebs magnetic	11/11		886.5	887.6	(0.5)								
		pyrrhotite (o.o1%), also minor magnetite. Odd speck sphalerite.	1.6	161	887.6	889.2	1.6	6.68	11.45	4.44	.02	.08			
		Mineralization F_1 + F_2. Shear parallel to F_2 at 846-847'. 887.6-	2/2.8		889.2	892									
		889.2' 70% massive sulphide, 30% pyrite, 3 lead 10 zinc. 900.4 -	6/6		892	898									
		901.5 fractured and folded 10 pyrite, 1 lead, 3 zinc.	2.4	162	898	900.4	2.4	.08	.10	.20	TR	.02			
		C.A. 65° at 845'; 50° at 853'; 60° at 856'; 50° at 858'; 60° at			(273.7)		(0.7)								
		861'; F_1 at 35°. 90° to F_2. 55° at 863'; 30° at 865.5'; 60-30° at													
		867-869'; 30-50° at 873-874'; 45° at 877'; 55° at 881-889';													
		40° at 890-92'; 55° at 893'; 70° at 896'; 65° at 899'					(0.8)								
901.5	914.8	SULPHIDE ZONE in Quartz-Graphite-Sericite Phyllite.	2.8	163	900.4	903.2	2.8	1.58	3.00	.80	.02	.04			
		Mineralization occurs as fine dissemination and bands, also	4.8	164	903.2	908	4.8	6.60	12.67	2.76	.02	.08	31.68	60.8	13.25
		massive sericitic sections bleached and partly leveled, accompa-	6.3	165	908	914.8	6.8	6.00	11.92	3.72	.02	.15	40.8	81.05	25.29
		nied by formation of mariposite.													
		901.5 - 903.3 - Bleached sericite with graphite, 2 bands of		Wt. Av	903.2	914.8	11.6	6.30	12.50	3.24	(111.1) Ag.		72.48	141.85	38.54
		heavy zinc, 3% lead-zinc			273.3m	278.8m	(3.5)								
		914.8 - Disseminate and banded sulphide plus massive													
		pyritic sulphides, also 3 - 0.3' leached phyllites													
		50% pyrite, 9 zinc, 3 lead. Brecciated at 913'													
		C.A. 60° at 908'; 75° at 903'; 65° at 904'; 85° at 908'; 80° at													
		911'; 65° at 914'				279.8m	(1.0)								
914.8	926.8	QUARTZ-GRAPHITE-SERICITE PHYLLITES. Alternating sections of	3.2	166	914.8	918	3.2	.05	.06	.04	.005	.03			
		graphitic and sericitic phyllites, also quartz veins. Graphitic	8.7/												
		phyllite fairly fissile but sericitic phyllite moderately	8.8		918	926.8									
		competent. Streaks and blebs pyrite within quartz bands, odd													
		specks sphalerite and pyrrhotite. Shearing, folding and fracturing													
		plus local brecciation. 4% pyrite following F_2 and late fractures.													
		C.A. 70-80° at 919'; 50° at 923', 85° at 926'													

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926.8	981	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Medium grey, thinly laminated	54/												
		to 851'. shear, irregular, approximately 45° to core at 940.5 - 941'; F_1 also prominent here. F_1 also prominent from 852' and 944.5	54.2		926.8	981									
		to 956'. Chlorite rich sections at 960', 974'-981'. Occasional brown biotite occurance. Pyrrhotite in streaks, small lenses and													
		blebs scattered throughout 0.2%. C.A. 80° at 928-952', 70° at 953'; 80° at 955'; 90° at 960-974', 85° at 76'													
981	996.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. As 927-981' except addition of	15.5/												
		10-15° graphite. Pyrite less, pyrrhotite same C.A. 80°-70° at 983'; 70° at 996'	15.5		981	996.5									
996.5	1003.8	QUARTZ-SERICITE-CHLORITE PHYLLITE. Greyish green color. Rock	7.3/												
		massive, fairly fresh-looking. No sulphide C.A. 70°	7.3		996.5	1003.8									
1003.8	1015	QUARTZ-SERICITE-GRAPHITE-CHLORITE PHYLLITES. Short sections of all	11.2/												
		the phyllitic units. No pyrite, more pyrrhotite approximately 0.4%.	11.2		1003.8	1015									
		Local folds. C.A. 70-60°													
1015	1037.6	QUARTZ-GRAPHITE PHYLLITE. Intermittent grey and black bands, often	22.6/												
		thinly laminated. Highly folded section. F_1 prominent subvertical	22.6		1015	1037.6									
		to F_2, often at 40°. Negligible pyrite, blebs chalco, blebs and lenses pyrrhotite, commonly associated with quartz-filled fractures													
		highly magnetic - content 0.5%. Shear at 1032-1033' at 40-55° to core. C.A. 60° at 1016'; 75° at 1018'-1031'													
1037.6	1046	QUARTZ-SERICITE-CHLORITE-GRAPHITE-PHYLLITE. As 1004-1015' C.A. 80°	8.4/ 8.4		1037.6	1046									
1046	1125.1	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Dark Grey, laminated quartz and	72/72		1046	1118									
		thin threads graphite-phyllite. F_1 subvertical to F_2. Rock silice-	7.1/												
		ous and moderately hard to 1090'. Some parts more graphitic. Less	7.1		1118	1125.1									
		pyrrhotite - a few scattered blebs. Shearing at 1088-9' + 1102' at 10° to core and at 1116.2' - 1124.5'; the latter highly contorted,													

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		also brecciated. 1124.5 - 1125.1' buff with green bands chlorite, high ankerite, quartzy, hard rock, 0.5% lead-zinc. C.A. 80°-70° at 1049'; 70° at 1052'; 75° at 1060'; 65° at 1068'; 70° at 107.1'; 75° at 1095'; 70° at 1099'; 80° at 1107'; 70° at 1109'; 45°-30° at 124.5'			(342.9)										
1125.1	1171.3	SULPHIDE ZONE in QUARTZ-SERICITE-GRAPHITE PHYLLITES. Phyllites	6.6	167	1125.1	1131.7	6.6	4.35	7.20	2.36	.02	.10	28.71	47.52	15.6
		"replaced" by sulphides, also by barite in some sections. The	1	168	1131.7	1133.2	1.5	6.08	10.65	2.88	.02	.09	9.12	15.97	4.32
		latter usually contain much less pyrite and the sulphides appear	5.8	169	1133.2	1140	6.8	3.53	6.36	1.28	.02	.04	22.78	43.24	8.70
		to be disseminated, though lineation or banding remain. Altered	5.1	170	1140	1145.6	5.6	3.53	6.60	1.44	.02	.04	19.76	36.96	8.06
		sericite (?) bleached and leached to powdery white, mineralized	10	171	1145.6	1155.6	10	4.88	7.80	2.92	.02	.10	48.8	78.0	29.2
		with mariposite and pyrite occur at 1127.6-1128.5' and forms small	8.6	172	1155.6	1164.2	8.6	5.18	8.76	2.59			44.54	75.33	22.27
		fold. Similarly bleached and leached sericite but chloritized (no	2.1	173	1164.2	1166.3	2.1	.50	.77	.18		(0.6)	1.05	1.62	- .38 Ag
		mariposite) occur at 1164.2-1166.3. A 0.25' "tongue" of pyrite-	2.8	174	1166.3	1169.1	2.8	4.58	7.80	2.56			12.82	21.84	7.17
		lead-zinc massive sulphides has replaced or intruded into the	1.1	175	1169.1	1170.2	1.1	2.55	3.54	.97		8.7	2.81	3.89	1.07
		sericite at 1165.5'. Graphite is retained as very fine dissemina-	2.6	176	1170.2	1172.9	2.7	.47	.40	.24		(0.8)	1.269	1.08	0.648 (Ag)
		tions within quartz bands; when dry appear as light grey wavy bands, when wet appear as black quartzy bands. The graphitic		Wt. Av.	1125.1	1164.2	39.1	4.47	7.60	2.25	(77.1) gm	Au (11.9) W.T.	173.71	297.02	88.15 (Ag)
		quartz occur as broken linear bands, brecciated linear bands,		" "	1166.3	1170.2	3.9	4.01	6.6	2.11	(72.3)	(1.2)	15.63	25.73	8.24 (Ag)
		sometime in a broken pattern. Graphite also occurs as fine dis-		" "	1164.2	1170.2	6.0	2.78	5.01	1.44	(49.4)	(1.8)	16.68	30.05	8.62 (Ag)
		semination and splashes with the disseminated sulphides in quartz-													
		barite. Zone generally siliceous, rock fairly hard.													
		1125.1-1129.5 massive pyrite, with 0.5' massive pyrrhotite at 125.7', + sericite phyllite. 65 pyrite, 3 lead 5 zinc													
		1131.5 disseminated sulphide in faint bands, 45% pyrite, 3 lead, 5 zinc			1164.2	1172.9		2.06	3.26	1.06	(36.5)				
		1134 massive pyrite, porous, 90% pyrite, (1 lead 3 zinc)?													
		1145.6 banded quartz-graphite with sulphide, 4 lead 2 zinc, 50 pyrite													
		1169 disseminated sulphide in faint bands 40-50 pyrite, 2-3 lead, 4-6 zinc													
		1171.3 bleached quartz-sericite-chlorite phyllite with 0.45' band pyrite, lead-zinc.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		C.A. 55° at 1125.5'; 40° at 1127'; 35° at 1129'; 40° at 1133'; 30° at 1135'; 10° at 1137'; 0-10° at 1140'; 25-30° at 1141'; 50° at 1144; 45° at 1147'; 40° at 1153'; 50° at 1155'; 55° at 1158'; 63° at 1159'; 75-80° at 1162'; 50° at 1163'-1166'; 65° at 1167'; 70° at 1169-1171'.													
1171.3	1189.8	QUARTZ-SERICITE-GRAPHITE PHYLLITES WITH SULPHIDES. Medium grey and dark grey bands of graphitic phyllites plus altered bands sericite phyllite. Also section of pyrite-lead-zinc sulphides at lower contact.	11.9/ 11.9	—	1172.9	1184.8	—								
			3.8/ 3.8	177	1184.8	1188.6	3.8 (361.1) 1.2	3.08	5.28	1.88					(tot)
			2.2	178	1188.6	1191.8	2.2 0.7	.14	.12	.03					(tot)
		1171.3 - 1172.5 quartz-sericite-graphite phyllite; 5% pyrite, 0.4% lead-zinc													
		1176 partly bleached quartz-sericite phyllite, negligible pyrite													
		1184.8 quartz-sericite-graphite phyllite; 2-3% pyrite, probable speck lead-zinc													
		1188.6 massive and banded pyrite with lead-zinc also graphite phyllite, 50% pyrite, 5 lead-4 zinc													
		1190 quartz-sericite phyllite, bleached buff 5% pyrite, speck pyrrhotite.													
		shear at 1176.5' at 40° to core. C.A. 85° at 1173.5'; 70° at 1176'; 55° at 1177'; 70° at 1179'; 60° at 1183'; 45° at 1186'; 55° at 1189'													
1189.8	1214.7	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Medium grey, thinly laminated, fresh-looking rock. Scattered blebs pyrrhotite, also pyrite. C.A. 50° at 1193-1196'; 55° at 1197'; 60° at 1207-1211'; 50° at 1213'	21.5/ 22.9	—	1191.8	1214.7	—								
1214.7	1220.5	QUARTZ-SERICITE-CHLORITE PHYLLITE. light grey to greenish grey, altered, lower 2/3 bleached. Bands of pyrrhotite at 1218.1'-1218.7' and 1219.7 - 1220.2', with minor zinc. C.A. 60° at 1217'; 70° at 1220'	5.8/ 5.8	—	1214.7	1220.5	—								

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 22 PAGE 10 of 10

CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
1220.5	1262	QUARTZ-SERICITE-GRAPHITE PHYLLITES. Medium grey and dark grey	10.5/ 10.5	—	1220.5	1231	—								
		banded. Mainly quartz, fissile when thinly laminated. 1221-1232' F_1 prominent at 40°-90° to F_2, also intense fracturing (tiny)	19/20	—	1231	1251	—								
		subvertical to F_2. 1240-1262' increasing amount of brown mica. This	10/11	—	1251	1262	—								
		section of phyllites contains greater than usual amounts of													
		pyrrhotite, approximately 0.2% occuring in F_1 + F_2, as blebs and													
		streaks, also filling fractures. Pyrrhotite also occurs though amount													
		less than pyrite. Minor specks of chalcopyrite and sphalerite noted													
		in upper 10' of section.													
		C.A. 70° at 1222'-1238'; 80° at 1234' ; 70° at 1243'; 65° at 1243'-													
		1249'; folded at 1249-1250.5'; 70° at 1251'; 80° at 1255.5'; 70-80°													
		at 1256-1262'													
	1262	END OF HOLE													
		Note: Sulphide Grain Size - fine to very fine. Massive pyrite often													
		fine granular but when barren of lead-zinc mainly very fine-													
		grained and hard.													
		Size of Hole: 0 - 10' BW													
		10 - 1262' BQ													
		Other Notes: 1. Lost water return at 759'. Continued drilling to													
		1262' with no water return, using mud + diesel													
		fuel + sawdust.													
		2. 8' BW casing left in hole at collar (stock) with													
		casing shoe #14 ZW 028.													

colch checked. by DS. Dec. 10/76.

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 23 PAGE 1 of 5

LATITUDE 10.616.47N 2+00N BEARING OF HOLE _____ STARTED July 25/74 D.S.

DEPARTURE 7 697.84E 6W DIP OF HOLE Vertical COMPLETED August 1/74 N.S.

712' P.A. Topog.

ELEVATION 4185' A.S.L. DIP TESTS _____ DEPTH Proposed: Ultimate: 1004'

(1288.52m) (306.02m)

CLAIM No. GRUM 3

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	150 (45.7m)	OVERBURDEN													
150	212 (64.6m)	GREY TO BUFF ALTERED PHYLLITE. (chlorite, sericite, mica, quartz-feldspar laminae). Note buff ankerite or altered sericite in foliation. Abundant quartz-feldspathic veins (173-184; 3' recovered 184-193,- 3' recovery) Core angle: 160' - 50°; 190' - 50°	49/62												
212	256 (78.m)	BLACK GRAPHITIC PHYLLITE, WITH VEINS of buff ankerite? F_1 locally subvertical to F_2. Graphitic layers boudined. Minor pyrite. Core angle: 210' - 45°; 240' - F_2 58°; 249-256' - 3' recovery	40/44												
256	272.5 (83.m)	MASSIVE PYRITIC SULPHIDE: Banded pyrite, orange-purple sphalerite, lesser galena, white barite and quartz eyes 80-85% sulphide.	196/3	179	256	259	3	12.2	23.4	5.18			36.6	70.2	15.54
			3.4/4	323	259	263	4	11.2	21.1	5.15			44.8	84.4	20.6
		10-15% combined lead-zinc. zinc > lead 256-259: 2.5' recovered.	195/3	324	263	266	3	7.35	12.41	3.09			22.05	37.23	9.27
		263-266 - zinc 1' recovered; Core ange 270' - 43°	65/65	180	266	272.5	6.5	5.40	10.5	2.41			35.1	68.25	15.66
					256.0	272.5	16.5	8.397	15.76	3.70	wt.Av.		138.55	260.08	61.07
272.5	331 (100.8m)	LIGHT TO DARK GREY QUARTZ-FELDSPATHIC PHYLLITE. Variably	3/3	181	272.5	275.5	3.0	.48	.51	.47			1.44	1.53	1.41
		MINERALIZED with fine grained disseminated sulphides, concentrated	4/5.5	182	275.5	281	5.5	4.28	7.08	1.71			23.54	38.94	9.40
		in F_1 and F_2 layers. F_1 layers locally subvertical to F_2	55/55	183	281	286.5	5.5	1.45	1.16	.50			7.97	6.38	2.75
		SULPHIDE - 25-30%: rock broken, mud seams etc 290-304'	33/55	325	286.5	292	5.5	.70	1.48	.32			3.85	8.14	1.76
		Mineralization: pyrite, red sphalerite, galena, arsenopyrite,	8/12	184	292	304	12	.98	1.60	.41			11.76	19.20	4.92
		grade veins from 10% lead zinc #182, to 2-3% lead-zinc.	85/10	185	304	314	10	.43	.87	.27			4.3	8.7	2.7
		Core angles: 280' = 55°; 300' - 65°; 320' - F_1 subvertical F_2 75°	11/11	186	314	325	11	.75	1.12	.35			8.25	12.32	3.85
			6/6	187	325	331	6	2.85	4.86	1.18					
					272.5	281.0	8.5	2.94	4.76	1.27	wt.Av.		24.98	40.47	10.81
331	356.5 (108.6)	MASSIVE PYRITIC SULPHIDE with thin sericite or graphitic partings	1.6	188	331	332.8	1.8	5.55	12.1	2.50			9.99	21.78	4.50
		(0.5-1.5'). Note also mariposite, buff ankerite in sericite zones.	25/32	326	332.8	337	4.2	4.88	10.8	2.94			20.496	45.36	12.348
		Possibly shear zones. Sulphide banded, some F_2 folds. Fragments of	85/10	189	337	347	10	4.50	9.00	2.06			45.00	9000	20.60
		sulphide in sericite shear - breccia zones. 80-90% sulphide.	95/95	190	347	356.5	9.5	2.93	8.16	1.47			27.84	77.52	13.97
		Mineralogy: pyrite, sphalerite, (dark brown or orange), minor			281.0	325.0	44.0	.82	1.24	.36	wt.Av.		36.13	54.74	15.98
		galena, barite. Grade up to 10% lead-zinc.													
		Core angles: 340' - 65°; also F_2 folds in massive sulphide.			331.0	356.5	25.5	4.05	9.20	2.02	wt.Av.		103.326	234.66	51.478

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
356.5	364 (110.9 m)	PALE GREY PHYLLITE. Sericite rich, grades to quartz mariposite phyllite in last 1'. Bands (2") of massive pyrite.	5/7.5		356.5	364									
364	369.3 (112.5)	BANDED BARITE RICH PYRITIC SULPHIDES. 70% PYRITE and orange-brown sphalerite with minor galena. 10% lead-zinc	5.3/5.3	191	364	369.3	5.3	4.50	9.48	2.21					
369.3	377 (114.9 m)	BLEACHED SERICITE PHYLLITE cut by quartz veins. grades to grey phyllite. sphalerite, pyrite, galena in quartz veins. Pyrite in broken muddy sericite phyllite. Shear? Minor mariposite. Core angle: 360' = 72°	6/7.7		369.3	377									
377	415 (126.4)	MASSIVE SULPHIDE. Red-orange or purplish sphalerite, with lesser galena and pyrite and minor chalcopyrite. 75% sulphide, with quartzo-feldspathic banded graphitic phyllite matrix. Note phyllite appears brecciated with interstices, infilled by sulphides. Also sulphides folded around F_2 nose at 393'. Subvertical sulphide-schist layers. Grade - 20-25% lead-zinc. zinc > lead. Core angle: 380' = 53°; 392' subvertical; 400' = 52°	10/10	192	377	387	10	9.00	19.5	4.59			90.0	195.0	45.9
			10/10	193	387	397	10	8.10	19.61	3.68			81.0	196.1	36.8
			10/10	194	397	407	10	9.60	19.0	4.41			96.0	190.0	44.1
			8/8	195	407	415	8	5.73	10.54	2.68			45.84	84.32	21.44
					377.0	415.0	38.0	8.23	17.51	3.90	Wt. Av.	✓	312.84	665.42	148.24
415	439 (133.8)	MINERALIZED BANDED QUARTZ-FELDSPATHIC GRAPHITIC PHYLLITE. Striped, thin quartz-feldspathic laminae. F_1 locally high angle to F_2. Ribbon effect. Mineralization: mainly blebs of pyrite concentrated in F_1 layers. 30-40% sulphide. Sphalerite, galena. Core Angle: 420' - F_2 fold nose subvertical layers: 440 - F_1 50° F_2 = 60° opposite dip. Grade - varies 2% lead-zinc to 8-11% lead-zinc in #198, which contains more sphalerite, galena, chalcopyrite.	10.3/10	196	415	426	11	.37	1.32	.38			4.07	14.52	4.18
			5.1/7	197	426	432	6	.28	1.26	.41			1.68	7.56	2.46
			7/7	198	432	439	7	2.93	6.12	1.09			20.51	42.84	7.63
					415	432	17	0.34 / 1.63	1.3 / Pb-Zn	0.39	Wt. Av.	✓	5.75 / 27.83	22.06 / Pb-Zn	6.64
439	452 (137.7)	MASSIVE BANDED AND BRECCIATED SULPHIDE: 80-90% sulphides. Mainly pyrite, red-orange sphalerite, galena and chalcopyrite which has been locally brecciated and recemented by sulphide. Fragments of both sulphide and quartz-feldspar schist to 2" long. White flecks of barite. Grade: 15-20% lead-zinc: zinc>lead. Core angle: 450' - 50-65°	7/7	199	439	446	7	6.90	14.59	3.18			48.3	102.13	22.26
			6/6	200	446	452	6	8.25	15.71	3.53			49.5	94.26	21.30
				Wt Av	432.0	452.0	20.0	5.92	11.96	2.56	Wt. Av.	✓	118.31	239.23	51.19
					439.0	452.0	13.0	7.52	15.11	3.35	(114.9 m/m)		97.8	196.39	43.56
				Wt Av.	377.0 – 452.0		75.0	5.83	12.36	2.75	(94.29 m/m)		436.90	926.73	206.07

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

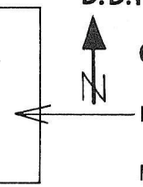
LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.



DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	155.1 (m)														
452	509	STRIPED QUARTZ-FELDSPAR. MINERALIZED GRAPHITIC PHYLLITE. Mainly	10/10	301	452	462	10	3.23	3.78	1.06					
		pyrite, concentrated in F_1 layers. Thin (6") bands of massive	10/10	302	462	472	10	.55	.76	.38			13.1	Pb Zn	
		pyrite locally. 35-40% sulphide. Note late chalcopyrite in tension	10/10	303	472	482	10	.47	.89	2.00			13.6	"	
		fractures. Fault breccia 456-458 with pyrite, minor galena, buff	10/10	304	482	492	10	.44	1.04	.35			14.8	"	
		carbonate in fractures. Note arsenopyrite at 469'. Brecciated	10/10	305	492	502	10	.20	1.38	.27			15.8	"	
		zone 489'. pyrite, fragments.	7/7	306	502	509	7	.17	1.04	.18			8.47	"	
		Core angles: 480 = F_1 subvertical F_2 - 59°; 500-F_1-31°F_2-71°													
		opp dip.			462.0	509.0	47.0	1.14	Pb Zn		Wt. Av.		65.8	"	
509	536.5	Grades to more quartzo-feldspathic thinly laminated. MINERALIZED	10/10	307	509	519	10	.29	.60	.35			8.9	Pb Zn	
	163.5	GREY AND SERICITIC PHYLLITE. Thin bands (2-3") of pyrite, and blebs	10/10	308	519	529	10	.17	.67	.41			8.4	"	
		of disseminated pyrite and lesser sphalerite, galena? and chalcopy-	5/5	309	529	534	5	.27	.79	.21			5.30	"	
		rite (in fractures). 30-40% SULPHIDE. Note last 2' of section	4/4	310	534	538	4	3.83	4.56	1.91			15.32	18.24	7.64
		sphalerite rich. Grade: 2-6% lead zinc: #310 8-11%			509.0	534.0	25.0	0.90	Pb Zn		Wt. Av.		22.6	Pb Zn	
		Core angle: 520' - F_1 = 76° F_2 = 55° opp. dip.			462.0	534.0	72.0	1.23	Pb Zn		Wt. Av.		88.37	Pb Zn	
	170.0														
536.5	557.8	MASSIVE PYRITIC SULPHIDE, with (in last 5-8') bands of sulphide	6/6	311	538	544	6	1.45	.70	.85			8.70	4.20	5.1
		in quartzo-feldspathic schist. 40 to 80% SULPHIDE. Mainly pyrite	7/7	312	544	551	7	.14	.37	.26			.98	2.59	1.82
		with local zones rich in sphalerite or galena. Minor chalcopyrite	68/68	313	551	557.8	6.8	.08	.78	.35			.54	5.3	2.38
		in late tension gashes. Note breccia zone from 550 - 557. Also			534	544	10.0	2.40	2.24	1.27	Wt. Av.		24.02	22.44	12.74
		magnetite at 547-49'. Grade 4-6%. Lead-zinc. Core angles:													
		540' - 61°; 560' - 66°													
557.8	570	DARK GREY, STRIPED, MINERALIZED, QUARTZ-FELDSPAR. GRAPHITIC	10.2/												
	173.7	PHYLLITE. 25-30% Sulphide. Mainly pyrite in thin bands, and	10.2	314	557.8	568	10.2	.05	.29	.15			.51	2.96	1.53
		disseminated. Minor chalcopyrite, sphalerite and galena. 2-3%	2/2	315	568	570	2	.22	.65	.24			.44	1.30	.48
		lead zinc.			544.0	568.0	24.0	.06	.45	.23	Wt. Av.		1.49	10.85	5.73
	176.1														
570	578	MASSIVE PYRITIC SULPHIDE which has been brecciated. 80-85% SULPHIDE.	8/8	316	570	578	8	2.18	2.94	1.03					
		Mainly pyrite, with bands of red sphalerite and lesser galena.													
		GRADE 8-10% lead zinc: zinc - lead. Note buff barite in fracture			568.0	578	10.0'	1.79	2.48	0.87			17.88	24.82	8.72
		fillings.													

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
578	614 (187.1m)	MEDIUM TO DARK GREY, MODERATELY GRAPHITIC PHYLLITE. Thin quartz-feldspar laminae impart striped appearance Core angle: 596'-66°.	33/36												
614	622 (189.5)	PALE BLEACHED SERICITE CHLORITE PHYLLITE with disseminated pyrrhotite, pyrite, sphalerite, galena between 615.5-619'. Core angle 620' = 50°	8/8												
622	678 (206.6)	MEDIUM GREY PHYLLITE, local thin graphite rich bands. PYRITIC SULPHIDE BRECCIA between 655-659: Note mud seams 648-655. Core lost mainly between 628-659. Core angle 660' - 65°	37/56												
678	694 (211.5)	BLACK GRAPHITIC PHYLLITE: STRIPED, quartz-feldspar laminae. F_1 locally at high angle to F_2. Minor pyrite. Core angle 680'-72°	14/16												
694	716 (218.2)	GREY PHYLLITE. locally sericite rich. Buff ankerite in foliation. Core angle 700' - 65°.													
716	772.5 (235.4)	BLEACHED MINERALIZED SERICITE PHYLLITE. Locally up to 20% mineralized with pyrite, minor sphalerite or galena. Note buff ankerite in veins or in foliation. Rock broken, gouged 757-772 Core angle: 720' - 60°; 740' - 65°; 760' - 64°	8/8	317	728	736	8	.03	.03	.06		.16			
772.5	779.5 (237.5)	MASSIVE SULPHIDE, with minor partings of slickensided chlorite rich phyllite. Core angles subvertical as on F_2 fold nose. 70-80% SULPHIDE. 10-12% lead zinc. Zinc > lead. Core angle: rock broken at 773'	7/7	318	772.5	779.5	7	4.80	6.48	1.76		.09	33.6	45.36	12.32
779.5	785.5 (239.4)	BLEACHED QUARTZ-FELDSPAR SERICITE PHYLLITE WITH Minor pyrite, sphalerite. Core angle 780 = subvertical.	/6.0		779.5	785.5		—	—	—			—	—	—
785.5	804.7 (245.2)	MASSIVE SULPHIDE. Pyritic with bands or breccia zones rich in sphalerite, galena. Note pyrrhotite and dark magnetite. 80-65% SULPHIDE. GRADE 8-10% lead zinc: zinc > lead. Core angle: 795' =	8.5/ 8.5	319	785.5	794 (242.01m)	8.5	3.38	3.48	1.59		.30	28.73	29.58	13.57
			5/5	320	794	799	5	2.20	1.18	1.00		.47	11.0	5.9	5.0
			57/57	321	799	804.7	5.7	2.78	3.66	1.35		.27	15.84	20.86	7.69

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		50°; BRECCIATED MAINLY	5.3/ 5.3	322	804.7	810	5.3	.32	.76	.15		.10			
804.7	861.5	BLEACHED MINERALIZED SERICITE PHYLLITE. 5-10% sulphide pyrite,		Wt. Av.	792.5	794.0	21.5	2.9	3.49	1.20 (41) Pb+Zn	✓		62.33	74.94	25.83
		with minor sphalerite, galena, chalcopyrite in tension gashes.		" "	785.5	804.7	19.2	2.89	2.93	1.36			55.47	56.34	26.2
		Core angle: 820' = 46°; 840' = 52°; 860' = 35°	51.0	Wt. Av	794.0	804.7	10.7	2.51	2.50	1.19 (41)			26.84	26.76	12.69
					810.0	862.0									
861.5	876	DARK GREY, STRIPED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. 10-15%	4/4	327	862	866	4	.73	.98	.35		.18	6.84	Pb Zn	
		mineralized, blebs pyrite. Note pyrrhotite pyrite rich breccia	4/4	328	866	870	4	.85	.58	.53		.31	5.72	"	
		zone 867-870'	6/6	329	870	876	6	.50	.60	.32		.19	4.2	"	
876	886	BLEACHED SERICITE PHYLLITE. Weakly mineralized. Mainly pyrite,			862.0	876.0	14.0		1.19 Pb Zn		wt. Av.		16.76	Pb Zn	
		minor chalcopyrite. Core angle 880' = 60°			876.0	886.0									
886	904.5	PALE GREEN AND CREAM QUARTZ CHLORITE PHYLLITE. Buff, altered.			886.0	904.5									
		Chlorite rich. Core angle 900' = F_1 = 65, F_2 85													
904.5	920	MASSIVE OR BANDED PYRITIC SULPHIDE. Locally brecciated and net	4.5/ 4.5	330	904.5	909	4.5	1.43	1.08	.62		.19			
		veined by buff barite. Note pale sericite phyllite parting	7/7	~~331~~	909	913.5									
		909 - 913.5; Core angle 920' - 63°	7/7	331	913.5	920.5	7	.82	.82	.41		.17			
920	929	PALE, BUFF, BLEACHED SERICITE PHYLLITE.													
929	1004	GREY-GREEN, and RED BROWN BIOTITE RICH PHYLLITE. MICA is possibly													
		phlogopite. Note F_2 folds, later kink bands, tension gashes													
		filled with buff quartz-carbonate.													
		Core angles: 940' = 54°; 960' = 65°; 980' = 65°; 1000' - 80°													
	1004	END OF HOLE													
		0 - 26' NW													
		Size of Hole: 26 - 150' BW													
		150 -1004' BQ													
		Notes: Used drilling mud from collar to bottom.													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 24 PAGE 1 of 9

LATITUDE 10 865.37 N 2400N BEARING OF HOLE _____ STARTED July 28/74

DEPARTURE 7 432.51 E 80W DIP OF HOLE - 90° COMPLETED Aug. 7/74

796' P.A. Topog.

ELEVATION 4269' A.S.L. DIP TESTS _____ DEPTH Proposed: Ultimate: 1169'

(1314.47m) (356.31m)

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST F1

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	0 + 0	BEDROCK, Quartz-sericite-graphite phyllite, 200'x200' borrow pit.													
	20.73		1.2/												
0	68	QUARTZ-SERICITE PHYLLITE. Light to medium grey, banded also thinly laminated. Moderately fractured with quartz-carbonate filling, at 45-90° to F_2, generally at 96°. Rusty weathering to 26.5'. F_1 prominent, subvertical to F_2. Scattered blebs and blobs pyrrhotite (o.o2%) - magnetic. Also minor pyrite. Many tight shears with small displacements. C.A. 70° at 12'; 80-85° at 12-17'; 75° at 18'; 70° at 26'31'; 75-80° at 32-55'; 65° at 56-61'; 75-80° at 63-68'	12		0	12									
			9/12		12	23									
			15/15		23	38									
			14/15		38	53									
			15/15		53	68									
68	243.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. As 0-68' except darker coloured sericite with approximately 5% or less graphite. 133.8-139.2'	10/10		68	78									
	74.22		4.5/5		78	83									
		slight altered quartz-sericite with chlorite, same at 184-186.5'. Local F_2 folds. Tight shears with small displacements.153-194'	5/7		83	90									
			34/35		90	125									
		numerous tension fractures subvertical to F_2. Pyrrhotite + pyrite mineralization slightly less than above section. Ankerite occurs in spots, occurs with quartz filling. C.A. 60° at 73'; 70° at 76'-98'; 75° at 98'-125'; 70° at 126-151'; 75° at 158-177'; 70° at 180-184'; 80° at 188.5-235'; 75° 236'-240'	25/ 26.5		125	151.5									
			2/5		151.5	156.5									
			44/ 46.5		156.5	203									
			15/20		203	223									
			3/5		223	228									
			13/ 15.5		228	243.5									
243.5	249.6	QUARTZ-SERICITE-CHLORITE PHYLLITE - Greenish grey, massive, not siliceous. Approximately 20% chlorite. Many quartz veinlets parallel to F_2, also filling fractures. Scattered pyrrhotite + pyrite in blebs + streaks in veinlets. Upper contact at 90°, lower contact at 30° - appear to be shear contact (tight) C.A. 70°	4.6/ 6.1		243.5	249.6									
	76.08														
249.6	360.5	QUARTZ-SERICITE PHYLLITE. Light to medium grey, thinly laminated, fissile. A few local F_2 folds. F_1 not many. Pyrrhotite and pyrite	12/ 13.9		249.6	263.6							47.57		
	109.88														

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 2 of 9

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		negligible. Shear at 254 at 40°; 273' at 30°	18/ 19.4		263.6	283									
		C.A. 80° at 250'; 75° at 253'; 75-80° at 255-278'; 70° at 279-304'; 80° at 305-310'; 70° at 311'; fold at 312'; 80° at 315'; 70° at 322'; 75-80° at 323-351; 70° at 357-360'	50/55		283	338									
			11/15		338	353									
			0/3		353	356									
			4/5		356	361									
109.88 360.5	117.04 384	QUARTZ-SERICITE-GRAPHITE PHYLLITE - light grey quartzose sericite bands + darker grey sericitic bands plus about 10% graphite. Commonly thinly laminated. Numerous tension fractures at 90° to F_2, with quartz-ankerite filling. C.A. 70° at 361'; 80° at 362'; 70° at 305'-376' + F_1 at 90° to F_2, 75° at 378'-384'	23/23		361	384									
384	439 133.81	QUARTZ-GRAPHITE PHYLLITE. Mainly black to dark grey, banded, also thinly laminated and fissile. F_1 prominent at 90° to F_2. 398-407'	22/24		384	408									
			4.5/5		408	413									
		slightly altered with ankerite filling fractures. 434.5-437' highly sheared and contorted - shearing at 35° to core.	2.3/4		413	417									
			5/5		417	422									
		C.A. 80° at 386-396'; 75° at 397'; 65° at 405'; 75-70° at 408-422'	2.7/9		422	431									
			7/8		431	439									
439	139.81 458.7	QUARTZ-SERICITE PHYLLITE. Light and medium grey, thinly banded and thinly laminated. Intense fracturing and shearing. The latter 30-40° to core. Fracturing mainly filled with ankerite. 457.2-458.7' bleached buff, minor pyrite, much ankerite C.A. 85° at 439'; 70° at 442-458'	19.5/ 19.7		439	458.7									
458.7	150.88 495	SULPHIDE ZONE in bleached Quartz-Sericite Phyllite. Massive and disseminated sulphide occur in bands intermingled with barren, bleached and talcy sericite. The latter contains abundant chlorite and ankerite. The sulphides occur in a matrix of quartz + barite. 458.7-461.7' Massive sulphide 8% lead zinc, 75% pyrite	9.9	332	458.7	468.6	9.9	6.15	5.40	2.65		.13	60.89	53.46	26.24
			1.9	333	468.6	470.5	1.9	1.25	.74	.59		.17	2.38	1.41	1.12
			4.4	334	470.5	474.9	4.4	.07	.08	TR		.03	0.31	0.35	0.00
			4.2	335	474.9	479.1	4.2	5.55	3.54	2.53		.15	23.31	14.87	10.63
			4.4	336	479.1	483.5	4.4	.18	.04	.12		.03	0.79	0.18	0.53
		467.2 Disseminated sulphide, 30% pyrite, 12% lead zinc, two 0.2' sections of brecciated sericite phyllite.	10.1	337	483.5	493.6	10.1	7.20	6.12	2.85		.18	72.72	61.81	28.79
			1.4	338	493.6	495	1.4	.65	.68	.27		.04			

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 3 of 9

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		468.6 Massive sulphide 70% pyrite, 10% lead-zinc, plus 0.2' brecciated sericite phyllite			468.6	474.9	6.3	.73	Pb Zn	wt.Av.			4.42	Pb Zn	
		475.1 Bleached quartz-sericite phyllite; first 1.9' contains 30% pyrite, 2% lead + zinc, rest barren of lead-zinc but much chlorite (10%), 5% pyrite.		Wt.Av.	458.7	493.6	34.9	4.60	3.78	1.93 oz/T (66.2 gm/T)			160.40	132.08	67.31
		479.1 Massive sulphide 70% pyrite, 10% lead zinc. 473.5-477.2' breccia and sheared later.													
		483.5 Bleached quartz-sericite phyllite, 1% pyrite, 20% chlorite, 25% ankerite, brecciated.													
		493.5 Massive and disseminated sulphide = 60% pyrite, 14% lead + zinc													
		495 Bleached quartz-sericite-phyllite 3% pyrite, 0.3% lead + zinc													
		Core angle: 50° at 460'; 55° at 463'; 60° at 466' 70° at 472'; 60° at 474-491'; 65° at 492-494'													
150.88 495	154.53 507	QUARTZ-SERICITE PHYLLITE. Light grey and grey buff ankerite, the latter due to abundant carbonate (ankerite?) Rock highly fractured, parts contorted. Shear at 499.5'. C.A. 65° at 497'; 70° at 503-506'	12/12	S	495	507									
507	160.32 526	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Light grey with dark grey bands, 10% graphite, moderately quartzose. Contorted and sheared at 15° to core. Main shearing at 512-517'. Much ankerite as section above.	10/10	Sg	507	517									
			1.5/2		517	519									
		Two 1' sections of quartz-sericite (bleached) at 503.5 - 506'. Less graphitic towards lower end.	3/4		519	523									
			5/5		523	528									
		C.A. 50° at 509'; 30° at 517'; 60° at 518'; 70° at 520'		Sc											
526	548 167.03	QUARTZ-SERICITE-CHLORITE PHYLLITE. Light greenish-grey, thinly laminated, mild alteration, a few tension fractures. Negligible pyrite, lead-zinc; scattered small specks pyrrhotite, also magnetite	21/22	S	526	548									
548	571 174.04	QUARTZ-SERICITE PHYLLITE. As above section but no chlorite. Color light grey with intermingling buff color from carbonate (2-15%).	23/23		548	571									

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 4 of 9

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		No sulphides. Moderately fractured, a few tight shears. C.A. 60° at 552-563'; Lower contact sheared with foliation parallel to core. 65° at 565'; 70° at 569'													
174.04 571	178.40 585.3	QUARTZ-GRAPHITE PHYLLITE. Grey quartzose and black graphitic banding. Shearing at upper contact at 45° to core, at 580.5 at 35° to core, plus many smaller shears. Foliation contorted and locally brecciated. 581.5-585.3' minor lead-zinc and pyrite. Recovery 2.9' between 578-583'. C.A. 60° at 573'; 65°-70° at 575'; 55° at 584'. Note: sample #339 indicates 2 small 1/2" x 3/4" fragments of high zinc. C.A. 60° at 573'; 70° at 575'; 60° at 577-584'	1.2/2		571	573									
			4.7/5		573	578									
			2/3.5		578	581.5									
			.9/1.5	339	581.5	583	1.5	.78	1.50	.09		.03	3.34	Pb Zn	
			2.3	340	583	585.3	2.3	.08	.11	.06		.03	.43	Pb Zn	
					~~581.5~~	~~585.3~~	~~3.8~~	~~.99~~	~~Pb Zn~~	~~Wt. Av.~~			~~3.77~~	~~Pb Zn~~	
585.3	620.5 189.13	SULPHIDE ZONE in QUARTZ-GRAPHITE PHYLLITE. Banded sulphide in massive and disseminated form. The latter occur in tiny disseminate clusters in quartz, giving a mottled appearance. Graphite occurs as fine disseminations within another band of quartz forming in F_2+F_1, forming "Ribbon"-like fractures, often discontinuous or feathering, and also folded and brecciated. F_2 also F_1 mineralization. Note: "Ribbon" quartz also noted in other drill holes, may be used as marker horizon. 585.3-586.5 massive sulphide 14% lead-zinc. 586.5-614.4 banded sulphide in quartz-graphite phyllite with black "Ribbon" quartz. 30 pyrite, 15-3 lead, 6-9 zinc. C.A.: 45° at 586'; 60° at 587'; 65° at 589'; 50-60° at 592'; 65° at 602'; 40-50° at 611'; 50° at 614'; 40° at 616'; F_1 subvertical to F_2; prominent to bottom of section. 614.4-618 as 568.5-614, 15 pyrite, 1 lead, 4 zinc 618-620.5 as above, 12 pyrite, 1.5 lead-zinc	2.7	341	585.3	588	2.7	7.20	12.3	3.56		.18	19.44	33.21	9.612
			2.2	342	588	591	3	3.53	4.86	1.76		.13	10.59	14.58	5.28
			5.2	343	591	597	6	2.13	3.72	1.03		.10	12.78	22.32	6.18
			10	344	597	607	10	7.20	10.20	3.00		.12	72.0	102.0	30.0
			7.4	345	607	614.4	7.4	3.83	7.56	2.21		.20	28.34	55.94	16.35
			3.6	346	614.4	618	3.6	2.40	4.50	1.09		.04	8.64	16.2	3.92
			2.5	347	618	620.5	2.5	.85	1.74	.47		.04	~~6.47~~	~~Pb Zn~~	
				Wt. Av.	~~585.3~~	~~614.4~~	~~29.1~~	~~4.92~~	~~7.84~~	~~2.32~~	(79.5%)		~~143.15~~	~~228.05~~	~~67.42~~
				Wt. Av.	585.3	618.0	32.7 ~~31.7~~	~~4.64~~ 4.78	~~7.47~~ 7.70	~~2.18~~ ~~2.25~~	(74.8)		151.79	244.25	71.34
				Wt. Av.	582.0	597.0	9.0	2.60	4.10	1.27	(43.5% Wt.)		23.37	36.90	11.46
				"	585.3	597.0	11.7	3.66	5.99	1.80	(61.7)		42.81	70.11	21.07
		Rock quartzy - 50% quartz and 5% or less graphite.			~~618~~	629.5	~~12.5~~	~~1.01~~	~~Pb Zn~~		Wt. Av		~~12.68~~	~~Pb Zn~~	
620.5	629.5 191.87	BLEACHED QUARTZ-CHLORITE SERICITE PHYLLITE. Buff to light tan banded with dull green chlorite. Tan colour chiefly from	8.9	348	620.5	629.5	9	.19	.50	.15		.05	~~6.21~~	~~Pb Zn~~	

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 5 of 9

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		ankerite (?) plus minor sericite. Folded with prominent F_1 at 60° + 90° to F_2. Mainly barren of sulphide except a few bands at 621', 622.8-623.6, 626.4-628.4. 0.5 pyrite, 0.3 lead+zinc. C.A. 55° at 622; 60-50° at 624.5'; 55° at 629'	8.9	348	620.5	629.5	9								
629.5 191.87	682.8 208.12	SULPHIDE ZONE IN QUARTZ-GRAPHITE PHYLLITE. Same as 586-620', highly folded.	7.3	349	629.5	637	7.5	8.25	14.63	3.24		.13	61.875	109.73	24.3
			6.2	350	637	643.3	6.3	4.13	7.92	1.88		.21	26.02	49.896	11.84
		629.5-632.1 Banded quartz-graphite with 25 pyrite, 2 lead, 9 zinc	4.8	351	643.3	648.3	5	3.83	6.96	1.76		.10	19.15	34.80	8.80
		643 Massive sulphide, 65 pyrite, 3 lead(?) 12 zinc	5.8	352	648.3	654.2	5.9	2.35	5.64	1.09		.15	13.865	33.276	6.43
		(H.G. zinc from 632.1 to 635.5')	5.3	353	654.2	659.6	5.4	2.85	4.92	1.15		.05	15.39	26.568	6.21
		648.3 as 630-632 40 pyrite, 2 lead, 7 zinc	6.9	354	659.6	666.5	6.9	5.70	6.24	1.76		.08	39.33	43.056	12.14
		654.2 as 630-632, 40 pyrite, 2 lead 5 zinc	3.2	355	666.5	669.7	3.2	4.05	2.76	1.68		.15	12.96	8.83	5.41
		659.6 as 630-632, 30 pyrite, 1.5 lead, 3.5 zinc, sulphide breccia at 658.5-659.5'	3.1	356	669.7	673	3.3	.72	.63	.41		.09	4.45	Pb Zn	
		666.5 as 630-632, 15 pyrite, 3 lead, 6 zinc	4.8	357	673	682.8	9.8	.73	.36	.44		.15	10.67	Pb Zn	
		669.7 as 630-632, 25 pyrite, 1 lead, 2.5 zinc		Wt. Av.	629.5	642.3	13.8	6.37	11.57	2.62	(99.8)		87.9	159.63	36.14
		682.8 as 630-632, 20 pyrite, negligible lead-zinc.		Wt. Av.	629.5	666.5	37.0	4.69	8.04	1.88	(64.5 gm/mt.)		173.629	297.321	69.729
				Wt. Av.	629.5	648.3	18.8	5.69	10.08	2.39	(81.9)		107.05	189.43	44.94
		C.A. 65° at 632'; 70° at 637-642'; 55° at 643', 70° at 644';		Wt. Av.	648.3	669.7	21.4	3.81	5.22	1.41	(98.3)		81.55	111.74	30.19
		75° at 646'; 70° at 653'; 40° at 656-8'; 50° at 659'; 80° at 662-673'; 50° at 675'; 75° at 679';70° at 681'		Wt. Av.	648.3	659.6	11.3	2.59	5.3	1.12	(38.4)		29.26	59.89	12.64
				Wt. Av.	629.5	669.7	40.2	4.64	7.62	1.87	(64.1)		186.59	306.15	75.14
682.8	210.59 690.9	BLEACHED QUARTZ-SERICITE AND QUARTZ-GRAPHITE PHYLLITES with	8.1	Wt. Av. 358	654.2 682.8	666.5 690.9	12.3 8.1	4.45 .62	5.66 .82	1.49 .35	(51.2)	.05	54.72 11.66	69.62 Pb Zn	18.35
		Mariposite + Ankerite(?). Mainly bleached, quartz-sericite with mariposite and ankerite. 684.9 - 687' section of banded quartz-graphite of 0.3' massive pyrite. 1-3% pyrite in bleached rock with 0.2% lead-zinc. 15 pyrite in graphitic rock of 0.5% lead-zinc.		Wt. Av.	669.1	698.9	29.2	1.18	Pb Zn				34.38	Pb Zn	
		C.A. 70° at 683-690'.													
690.9	732 223.11	SULPHIDE ZONE IN QUARTZ-GRAPHITE PHYLLITE. Similar to 630-682'	8.0	359	690.9	698.9	8.0	.30	.65	.21		.10	7.60	Pb Zn	
		but with prominent F_1 folds, accompanied by intense shearing and	7.8	360	698.9	706.7	7.8	1.95	3.42	.83		.13			
		fracturing, also brecciation most prominent. 708-711' and from	4.3	361	706.7	711	4.3	.49	.77	.21		.10			
		721-746'. It appears that the sulphide are brecciated and recemented	5.6	362	711	716.6	5.6	3.30	6.12	1.24		.08	18.48	34.27	6.94

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 6 of 9

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		by graphitic quartz - F_1 folds forming "Ribbon" like structures.	3.1	363	716.6	719.7	3.1	1.65	2.34	.44		.07	5.11	7.25	1.36
		Shear at 710' show wavy 0.03' fracture filled with quartz +	6.1	364	719.7	726	6.3	2.05	3.18	.91	5.5	.15	12.91	20.03	5.73
		sulphide breccia within graphitic quartz sulphide matrix; adjoining	5.8	365	726	732	6	2.50	3.54	.94		.12	15.00	21.24	5.64
		walls partly brecciated and fractured. Pyrite mineralization about 20-30%, lead-zinc varies. Mainly F_2 mineralization. Graphite content 10%, quartz 50-60%.													
		690.9 - 698.9 1-2% lead-zinc, 30 pyrite													
		706.7 1.5 lead, 3 zinc, 20 pyrite					8.7								
		711 1 lead + zinc, 15 pyrite					1.7								
		716.6 2.5 lead, 4 zinc, 30 pyrite													
		719.7 1 lead, 2 zinc, 15 pyrite													
		732 3 lead, 4 zinc, 25-30 pyrite, breccia													
		C.A. 70° at 694'; 80° to 25° at 698 to 700'; 55° at 702 and F_1 subvertical F_2; 38° at 704'; 50° at 705'; 40° at 706'; 35-55° at 712'; 60° at 714-717°; 65° at 727'													
223.11 732	231.04 758	P SULPHIDES IN SHEAR ZONE WITH BRECCIA. The shear zone composed of	.3	366	732	733	1	2.50	3.24	1.24	5.7	.10	2.50	3.24	1.24
		graphitic and sericitic phyllites plus their alteration rocks and	1.1	367	733	737	4	.72	.98	.44		.06	6.80	Pb Zn	
		massive pyritic sulphides. All the rocks are sheared and most of	1.2	368	737	742	5	.03	1.06	.03		.03	5.85	Pb Zn	
		them have been brecciated and recemented. Core broken up and	.7	369	742	743.5	1.5	.25	.41	.09		.02	.98	Pb Zn	
		recovery poor.	1.9	370	743.5	748	4.5	.37	1.60	.29			8.86	Pb Zn	
		732.0 - 733.0 ground core, pebbles and chunks breccia containing	0.5	371	748	751	3	2.15	3.90	1.76			6.45	11.7	5.28
		graphitic phyllite and massive pyrite sulphide,	0.6	372	751	753	2	2.50	4.92	2.06			5.0	9.84	4.12
		1-2 lead, 3 zinc; (50% pyrite?)	0.6	373	753	754	1	.08	.34	.09			.08	.34	.09
	737	quartz-graphite sulphide breccia, 1 lead-zinc,	2.9	374	754	758	4	4.65	8.52	2.82			18.6	34.08	11.28
		5% pyrite		Wt. Av	716.6	733	16.4	2.16	3.15	.85	(29.1 97/101)		35.52	51.76	13.97
	742	quartz-graphite breccia with ankerite and minor													plot
		pyrite, negligible lead-zinc		" "	711.0	733.0	22.0	2.45	3.91	0.95	(32.6)		54.00	86.03	20.91
	743.5	quartz-graphite phyllite with pyrite and a few													plot
		pieces massive pyrite, negligible lead-zinc		" "	733.0	748.0	15.0	1.66	Pb Zn				24.99	Pb Zn	
	748	recovered: 0.8' pyrite breccia with minor lead-zinc,													plot
		and 1.1' bleached phyllite with 10% mariposite and		" "	748.0	758.0	10.0	3.01	5.60	2.08	(71.3)	0	30.13	55.96	20.77
		moderate ankerite - no sulphides.													plot

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 7 of 9

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		748 - 751 recovered: 0.2' bleached phyllite with mariposite + 0.3' massive pyrite, 2% lead-zinc?													
		753 recovered: 0.3' bleached phyllite with mariposite + 0.3' massive pyrite, 0.5% lead-zinc?													
		754 recovered: 0.4' bleached phyllite with mariposite + 0.2' quartz-sulphide. Neglible lead-zinc													
		758 recovered: 0.1' quartz-pyrite + 1.4' massive sulphide and sulphide-quartz breccia with H.G. zinc + 1.1' of barren white quartz, + 0.1' massive zinc + 0.2 white quartz, 10% lead+zinc.													
		C.A. 60° at 743'; 45° at 746'; 45° at 753'													
231.04 758	251.80 826.1	QUARTZ-GRAPHITE PHYLLITE with minor sulphides in quartz bands. g	8.0	375	758	767	9	.13	.19	.12					
		Black, banded thinly laminated, highly fissile, broken into poker chips (latter part all broken up into bits + pieces,	3.4/4 4.7/5		767 771	771 776									
		recovery poor). At 823' quartz-feldspar graphite phylite breccia 0.5'. F_1 prominent subvertical to F_2. Mineralization in F_1 + F_2,	Ni1 7.6/8		776 781.5	781.5 789.5									
		mainly pyrite (10%), scattered specks and streaks sphalerite. Notice only a few fractures. Light brown mineralization - blebs	3.6/9 26/35		789.5 798.5	798.5 802			Trace Pt						
		in quartz band (ankerite?) C.A. 75° at 758'; 70° at 760'; 45° at 760.5 - 766'; 60° at 767-770'	33/13 1.7/4		802 815	815 819									
		70° at 771-789'; 50° at 799-824'	1.7/4 19/31		819 823	823 826.1									
		p	36/71	376	819	826.1	7.1	.05	.11	.06					
826.1	831.1 253.32	DISSEMINATED SULPHIDES IN QUARTZ-BARITE. Disseminated pyrite, sphalerite, galena in quartz-barite matrix, massive rock; lineation													
		distinct, foliation not. 30% pyrite, 3 lead, 4 zinc, spots chalco-pyrite; 8128.6 - 8129.3' sulphide, breccia, in sulphide matrix.													
		Upper contact at 60°, lower at 75°. Breccia lower contact at 35° C.A. 70° at 826.5-830'	5.5	377	826.1	831.6	5.5	4.65	8.88	2.82	(96.7)		25.58	48.84	15.51

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 8 of 9

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
253.32	258.62														
831.1	848.5	QUARTZ-GRAPHITE-SERICITE PHYLLITE. Variable graphite - sericite	4.2	378	831.6	836.4	4.8	.05	.10	.03			0.24	.48	.14
		content, dark grey to black to medium grey. Zone sheared and	7.0	379	836.4	844.2	7.8	1.28	2.28	1.03					
		locally brecciated. Abundant white quartz, partly brecciated,	39/43		844.2	848.5									
		streaks + blobs of zinc here + there, pyrite minor. Quartz at		WT. AV	826.1	836.4	10.3	2.51	4.79	1.52	(52.1)		25.82	49.32	15.65
		835.5-836'; and 837.3-844.2 with short sections of phyllite.													
		C.A. 70° at 832'; 40° at 834-5'; 85° at 836'; 75° at 846-8'													
848.5	856.5	QUARTZ-SERICITE PHYLLITE. Altered light grey and buff color,	8/8		848.5	856.5									
	261.06	totally bleached at 852-856.5'. Thinly laminated, fissile though													
		firm. Negligible sulphides. C.A. 60-70° at 849-856'													
856.5	868.5	QUARTZ-GRAPHITE PHYLLITE. Dark band graphite + grey quartzose	11.5/												
	264.72	bands. Tight shear many places, generally about 50° to core.	12		856.5	868.5									
		Local brecciation. Crenulated foliation. F_1 not well developed.													
		C.A. 70° at 858-868'													
868.5	1078.8	QUARTZ-SERICITE PHYLLITE. Medium grey and light grey phyllite,	49.5/												
	328.82	minor graphite. 878-885.5' moderate alteration through shearing	49.5		868.5	928									
		(?). 868.5-905' modest fracturing and local brecciation. 905-1078'	57/60		928	988									
		rock fairly fresh-looking, small shear at 1051-1037. F_1 prominent	85/												
		at 951-1078'. Contact with sulphide zone at 1078.8 at 90° and	85.5		988	1073.5									
		very sharp. C.A. 80° at 869'; 70° at 875-816'; 75° at 919-949';	4.4/												
		70° at 952-972'; 75-80° at 873-891'; 70-80° at 892-1040'; 70°	5.3		1073.5	1078.8									
		at 1053-1067'; 60-65° at 1067-1077'													
1078.8	1127.4	SULPHIDE ZONE IN QUARTZ (+ BARITE + SERICITE + GRAPHITE) Pyrite	6.0	380	1078.8	1084.8	6.0	4.95	9.72	2.71			29.7	58.32	16.26
	343.63	galena + sphalerite occur in bands, disseminated + massive in	6.2	381	1084.8	1091	6.2	7.80	16.97	3.30			48.36	105.21	20.46
		quartz-barite groundmass. Sphalerite color ranges from light-brown	9.7	382	1091	1101	10	5.10	6.24	2.21			51.0	62.4	22.1
		to medium brown to reddish brown + dark brown. Rock massive,	7	383	1101	1108.5	7.5	7.20	12.1	3.24			54.0	90.75	24.3
		locally brecciated but well cemented. F_2 mineralization.	9.6	384	1108.5	1118.5	10	5.78	9.72	2.47			57.8	97.2	24.7
		1078.8 - 1091.0 disseminated sulphide in quartz-barite, 15 pyrite	8.9	385	1118.5	1127.4	8.9	6.30	11.37	3.28			56.07	101.193	29.19
		3 lead, 10+2 zinc													
		1105.5 massive sulphide, 60 pyrite, 3 lead, 10 zinc		WT. AV	1078.8	1127.4	48.6	6.10	10.59	2.81	(196.3 oz/ton)		296.93	515.07	137.01

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 24 PAGE 9 of 9

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		1105.5 - 1108.5 disseminated sulphide + quartz breccia with sulphide, 5 pyrite, 1.5 lead, 6 zinc													
		1110.4 massive sulphide: 65 pyrite, 3 lead, 13 zinc													
		1120 disseminated sulphide + banded sulphide in graphite quartz plus 1" wedge of sericite,													
		locally brecciated, sheared + fractured; quartzy and hard rock; 15 pyrite, 2.5 lead, 10 zinc													
		1124.3 massive sulphide, 70 pyrite, 3 lead, 9 zinc													
		1127.4 as 1110-1120', 15 pyrite, 2.5 lead, 10 zinc													
		Both contacts very sharp, negligible to no lead-zinc, minor pyrite. Upper contact at 80-85°, lower at 50° to core. C.A. 50° at 1088',													
		65° at 1090'; 70° at 1093'; 65° at 1104'; 80° at 1109'; 65° at 1112'; 60° at 1116'; 65° at 1120'; 75° at 1122'; 70° at 1124-1127'													
343.63 1127.4	350.82 1151	QUARTZ-SERICITE PHYLLITE. Medium grey thinly laminated, low S	5.0	386	1127.4	1132.4	5.0	.08	.13	.06					
		quartz. Minor shearing + fracturing. Negligible pyrite except	18.6/												
		first 5 ft. 1142-1148' mild alteration, 1147.1-1148' massive	18.6		1132.4	1151									
		pyrrhotite with 6-8% lead-zinc and spots chalcopyrite. Both contacts bleached 1-2". C.A. 70° at 1130'; 60° at 1134'; 65° at 1137';													
		60° at 1142'; 70° at 1151'; 60° at 1152' Sg													
1151	1169 356.31	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Medium grey and darker grey banding, thinly laminated, becoming more quartzose last 5'. Many	7.5/ 7.5		1151	1158.5									
		fractures, quartz-carbonate filled. Pyrrhotite blebs throughout	9.8/												
		(0.2%), probably some fine grained magnetite also.	10.5		1158.5	1169									
		C.A. 75° at 1155-1158'; 70° at 1159'; 75° at 1162-1169'													
	1169 356.31	END OF HOLE.													
		Size of Hole: 0-12 - BQ; 12-1169' - BQ													
		Other Notes: 318-398' approximately broken ground, 353'356 sanding													
		613-673' approx. losing water return, grout with sawdust; 751-858'													
		approx. sanding; 563-1169'-approx. used drilling mud 72 bags (50#													

ea.)

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 25 PAGE 1 of 3

LATITUDE 1800N BEARING OF HOLE _____ STARTED July 30/74

DEPARTURE 96W DIP OF HOLE - 90° COMPLETED Aug. 10/74

ELEVATION 798' P.A. Topog. 4271' A.S.L. (1301-80m) error. from topo map ≐ 1313 M DIP TESTS _____ DEPTH Ultimate: 1034' (315.16m)

CLAIM No. CHUCK 1

DIRECTION AND DISTANCE FROM NE. CLAIM POST

Hole Size: 0-28 NW; 28-1034' BQ

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
0	25	OVERBURDEN	Nil		0	25		
25	145	GREY STRIPED QUARTZ-SERICITE-CHLORITE PHYLLITE with buff carbonate in	/51		25	76		
	44.20	foliation. Many quartz-chlorite buff carbonate?, barite? veins. Thin	67/69		76	145		
		quartz-feldspar laminae define F_2 folds. Pevasive F_2 ax. plane-foliation						
		which has locally been kinked. Minor blebs of pyrite, pyrrhotite ± marca-						
		site in section, green chlorite rich zones. Quartz filled tension gashes						
		115-20'.						
		C.A. 20=80, F_1 s.v.; F2 fold nose; 40=66, 60=70, 80=63, 90=80, 100=84,						
		120=70, 140=72						
145	195	GREY-GREEN QUARTZ SERICITE-CHLORITE PHYLLITE. Striped, as above, locally						
		greener more chloritic. Blebs pyrite, pyrrhotite. Possibly fine grained	48/50		145	195		
	59.44m	carbonate in phyllite. C.A. 160=F_1 s.v. F_2 75; 180=71, 190=70						
195	213	BLACK GRAPHITIC PHYLLITE. Broken, brecciated with phyllite fragments in	15/18		195	213		
	64.92	fine grained black rock flour matrix. Fault zone at fold nose. Cemented.						
		Quartz veins. Subvertical: Core Angle						
213	296	GREY-GREEN QUARTZ-SERICITE-CHLORITE PHYLLITE with buff carbonate in	77/83		213	296		
		foliation. Many quartz buff carbonate barite? veins with chlorite blebs.						
		Good F_1, F_2; F_1 locally subvertical. Green mariposite at 260'; rock						
		broken 222-30: fault? C.A. 220=55, 240=79, 260=55, 280=75						
296	419	GREY-GREEN PHYLLITE. As above, quite striped, quartz-buff carbonate?	70/70		296	366		
	127.71	barite veins; good F_1F_2 laminae. C.A. 300=$F_2$79, F_1 subvertical folded;	40/53		366	419		
		320=67, 340=75, 360=72, many F_2 folds						
		C.A. 300=76, F_1 s.v., 320=69, 340=75, 360=71, small scale F_2 folds defined						
		by quartz laminae						
419	466	DARK GREY-BLACK GRAPHITIC PHYLLITE with thin bands of green-grey chlorite-	40/47		419	466		
	141.94	sericite phyllite with buff carbonate. Note black clasts of fine grained						
		phyllite. Blebs of pyrrhotite, pyrite, concentrated in F_1. Late kink-bands						

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH

D.D.H. No. A - 25 PAGE 2 of 3

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
		Core angles: 380=60, 400=65, 420=75, 440=70, 460=72						
G 466	555	Grades to GREY MODERATE GRAPHITIC PHYLLITE, again with dark clasts.	73/74		466	540		
	169.16m	Locally greenish with chlorite. Buff carbonate in foliation and in quartz chlorite veins. Blebs of pyrite, pyrrhotite, marcasite. Local thin bands of black graphitic phyllite. F_1 locally subvertical. Rock broken muddy 530-40'.	15/15		540	555		
		Core angles: 480=66, 500=80, 520=80, F_1 opp. dip, 540=80						
G 555	605	BLACK GRAPHITE PHYLLITE: STRIPED, has black clasts also medium grey with fine grained texture. Thin grey-green chlorite-sericite zones. Good F_1,	48/50		555	605		
	184.40	F_2 laminae. Rock broken muddy at 590-95. Core angles: 560=63, Kinked, 580=58, kinked, breccia; 600=63						
GCS 605	623	GREEN-GREY QUARTZ-CHLORITE-SERICITE PHYLLITE with buff carbonate chlorite	17/18		605	623		
	189.89	quartz veins. Fractures filled with pyrite, cc (or barite). Core angle: 620=79 Fresh rock						
GSC 623	678	GREY STRIPED QUARTZ-SERICITE-CHLORITE PHYLLITE. Fresh, quartz-chlorite	54/55		623	678		
	206.65	buff carbonate veins, locally greenish with chlorite. blebs pyrite, pyrrhotite. Rock quite micaceous. Note clasts 635'.						
GS-C		Core angles: 640=79, 660=70, 680=70						
678	778	GREENISH-GREY-BUFF QUARTZ-SERICITE CHLORITE PHYLLITE. Local buff carbonate associated with sericite rich portions. (718-28). Many quartz veins make	75/76		678	754		
	237.13	rock quite competent. Note late kink bands. F_2 dominant. Core angles: 700=72, 720=70, 740=76, Kinked, 760=70, 780=76	23/24		754	778		
GS 778	818	DARK GREY QUARTZ SERICITE PHYLLITE. Thinly laminated, good F_1F_2. Blebs of	39/40		778	818		
	249.32	pyrite, pyrrhotite in foliation. Good small-scale F_2, F_1 locally sub-vertical. Quartz-chlorite veins. Grades through greener phyllite with						
		buff fine grained pyrrhotite-pyrite blasts to next unit. Note sphalerite band at 816' Core angles: 800=63, 810=77						

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH

D.D.H. No. A - 25 PAGE 3 of 3

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
C-S-K 818	828	GREEN STRIPED MOTTLED, CHLORITE-SERICITE-CARBONATE PHYLLITE. Soapy.	8/10		818	828		
	252,37	Broken 823-828. Core angle 820=75						
C-S 828	854	GREY-STRIPED QUARTZ-SERICITE PHYLLITE. Good F_2:F_1 subvertical. Minor pyrite, pyrrhotite. Core angle 840=67	30/31		823	854		
260,30								
C 854	867	BLACK STRIPED GRAPHITE PHYLLITE. Minor pyrite, pyrrhotite with purple	11/13		854	867		
264,26		sphalerite. Buff carbonate in foliation Core angle: 860=65						
Q-S-C Biot. 867	911	GREEN-GREY STRIPED QUARTZ-SERICITE-CHLORITE PHYLLITE. Good F_2:F_1 locally subvertical. Minor brown biotite. C.A. 880=75, 900=65	53/54		867	911		
276,67								
Q-S 911	938	GREY STRIPED QUARTZ-SERICITE PHYLLITE. Note minor sphalerite at 942; fine	25/27		911	938		
285,90		grained blebs. Local buff sericite rich bands. Core angle: 920=81						
Q-C-S Soapy 938	1000	GREEN STRIPED QUARTZ-CHLORITE-SERICITE PHYLLITE. Soapy, buff carbonate in	25/27		938	965		
304,80		foliation. Local grey sericite zones. Dominant F_2. White quartz-barite	34/35		965	1000		
		veins (2-3 mm). Quartz rich at 990. Quartz brown carbonate veins. Core angles: 940=71, 960=72, 980=80, 990=75, F_1 locally subvertical F_2 folds. 100=79						
Q-S-C buff 1000	1034	GREY-BUFF QUARTZ-SERICITE-CHLORITE PHYLLITE with buff carbonate in folia-	32/34		1000	1034		
315,16		tion. Blebs pyrrhotite, pyrite. Buff carbonate with quartz chlorite veins. Core angles: 1020=69, 1030=74						
		END OF HOLE						

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 26 PAGE 1 of 4

LATITUDE 10580.88 N 2 toN BEARING OF HOLE _____ STARTED August 2/74

DEPARTURE 1785.18 E 64W DIP OF HOLE Vertical COMPLETED August 10/74

709.8 P.A. Topog.

ELEVATION 4183' A.S.L. (1287.67m) DIP TESTS _____ DEPTH Proposed: Ultimate: 897' (273.41 m)

CLAIM No. GRUM 3

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	153	OVERBURDEN. Abundant granitic boulders.	3.5/10	401	(46.6m) 153	163	3.0m 10	1.55	3.84	.74			15.5	38.4	7.4
153	189.7	Weathered, Rusty MINERALIZED QUARTZ-FELDSPAR GREY PHYLLITE.	6/6	402	163	169	1.8m 6	2.30	5.16	.83			13.8	30.96	4.98
		Mineralization. Fine grained disseminated, pyrite, sphalerite.	6.7/6.7	403	(55.8m) 183	189.7	2.0 6.7	2.00	3.24	.59			13.4	21.7	3.95
		Minor galena arsenopyrite. Sections of grey phyllite non mineralized. Fractures rusty with limonite Grade 2-5%			153.0	169.0	16.0	1.83	4.335	.77			29.3	69.36	12.38
		Core angle 180' = F_1 subvertical F_2 = 62°					(4.9m)								
189.7	228.5	MASSIVE PYRITIC SULPHIDE: 70-80% SULPHIDE. Well defined banding,	5.3/5.3	404	189.7	195	5.3	4.13	9.96	2.94			21.89	52.79	15.58
		locally brecciated ex 204-207. Grade: 8-12% lead-zinc: zinc > lead	6.5/6.5	405	195 (201.5)	201.5 (203.6)	6.5	5.55	13.2	2.02			36.01	85.8	19.70
		Core angles: 200 - 45°, 208 - subvertical fold nose, 218-	5.4/5.4	406	203.6	209	5.4	7.80	17.55	3.82			42.12	94.77	20.63
		subvertical nose	5/5	407	209	214	5	6.30	14.45	3.00			31.50	72.25	15.00
			9.2/9.2	408	214	223.2	9.2	7.35	15.54	3.41			67.62	142.97	31.37
			5.3/5.3	409	223.2 (228.5)	228.5 (231)	5.3	3.30	11.67	1.50			17.49	61.85	7.95
228.5	254.5	BLEACHED SERICITE QUARTZ PHYLLITE with bands of massive zinc rich	2.5/2.5	410	231	233.5	2.5	3.15	6.24	1.50			7.88	15.6	3.75
		sulphides. Phyllite locally brecciated. Note. Sulphide fragments	1.5/4.5	411	233.5	238	4.5	.53	1.44	.29			2.38	6.48	1.31
		in breccia zone. Sulphides: pyrite, amber, sphalerite, galena.	4.7/4.7	412	238	241.7	3.7	3.68	8.04	1.85			13.62	29.75	6.85
		Grade in massive bands. 10=12% lead zinc and 6-8 with schist	2/2.6	413	241.7	244.3	2.6	6.60	16.3	3.09			17.16	42.38	8.03
		included. Core angles: 240=65° Note: 249.5-254.5 Bleached, barren	1.7/1.7	414	244.3	246	1.7	.69	1.00	.32			1.17	1.7	0.54
		sericite phyllite. 2.0'/246.0 248.0 5.0'	1.5/1.5	415	248	249.5	1.5	6.90	14.22	3.53	0.5m 1.5m		10.35	21.33	5.3
				—	249.5	254.5	—								
254.5	315.5	Banded SPHALERITE RICH SULPHIDE in striped quartz-feldspar,	9.5/10	416	254.5	264.5	10	6.53	13.92	3.24			65.3	139.2	32.4
		graphitic phyllite: 70% sulphides. some bands (1-2') of massive	3.5/3.5	417	264.5	268	3.5	8.40	14.10	4.15			29.4	49.35	14.53
		pyritic sulphide. Sulphides: mainly deep purplish red sphalerite,	1/3	418	268	271	3	9.30	19.50	6.24			27.9	58.50	18.72
		pyrite, galena, chalcopyrite in tension fractures. Grade 10-15%	10/10	419	271	281	10	8.25	15.8	3.82			82.5	158.0	38.20
		lead zinc. Core angles: 260'=40°, 280'=42°, 300'=53°	8/8	420	281	289	8	9.60	18.9	5.00			76.8	151.2	40.0
		Note F_1 folds: core angles locally subvertical	10/10	421	289	299	10	5.85	7.44	3.09			58.5	74.4	30.9
			10/10	422	299	309	10	6.15	9.00	3.09			61.5	90.0	30.9
			6.5/6.5	423	309	315.5	6.5	6.23	7.56	2.44			40.50	49.19	15.85
315.5	432	MINERALIZED STRIPED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. 25-40%	7.1/7.1	424	315.5 (321)	322.6 (322.6)	7.1 (7.6)	1.58	1.06	.65	T		11.21 (2.52)	7.52 (7.69)	4.6 (1.04)
		sulphide - disseminated, or concentrated in thin bands along both	7.4/7.4	425	322.6	330	7.4	3.08	3.72	1.03			22.79	27.52	7.62
		F_1 and F_2. Mainly pyrite with sphalerite, galena, chalcopyrite.	8.8/8.8	426	330	338.8	8.8	.32	.74	.18	2.7m		2.81	6.5	1.58
		Grade mainly 4-7% lead zinc, with local zones 8-12% lead zinc.	5.7/5.7	427	338.8	344.5	5.7	1.38	1.35	.50	1.7m		7.86	7.69	2.85

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Note F_2 fold, noses, core angles subvertical. Local breccia zones	4/4	428	344.5	348.5	4	7.05	8.04	2.85			28.2	32.16	11.40
		ex 345-47; 389-93; 421-425;	8.5/9	429	348.5	357.5	9	1.35	3.00	.59			10.12	22.50	4.42
		Core angles: 320' - 45°; 340' - 45°; 360' - F_1 subvertical F_2 =	10/10	430	357.5	367.5	10	1.28	1.35	.71					
		33°; 360' - 56°; 400' - F_1 subvertical F_2 45°; 420' - F_2 45°	10/10	431	367.5	377.5	10	.18	1.10	.88			12.8	Pb Zn	
			9.5/10	432	377.5	387.5	10	.14	.92	.32			10.6	"	
			10/10	433	387.5	397.5	10	.07	.65	.18			7.2	"	
			9/10	434	397.5	407.5	10	.35	1.74	.41			20.9	"	
			10/10	435	407.5	417.5	10	.01	1.34	.15			13.5	"	
			4/4	436	417.5	421.5	4	.18	1.04	.21			4.88	"	
			3.5/3.5	437	421.5	425	3.5	3.98	4.20	1.88			13.93	14.7	6.58
			6.9/7	438	425	432	7.0	1.50	1.43	.83			10.50	10.01	5.81
432.0	482.7	MASSIVE PYRITIC SULPHIDE (70-85% sulphide). Banded, locally,	10/10	439	432	442	10	2.33	2.40	1.21			23.3	24.0	12.1
		pyrite, red sphalerite, galena, blebs of chalcopyrite. Grade	10/10	440	442	452	10	4.73	4.02	1.91			47.3	40.2	19.1
		varies 6-10% lead, zinc.	10/10	441	452	462	10	3.08	2.88	1.41			30.8	28.8	14.1
		Core angle: 440'-70°; 460'-63°; 483'-68°	10/10	442	462	472	10	1.33	2.28	.80			13.3	22.8	8.0
			3/3	443	472	475	3	3.00	3.54	1.35			9.0	10.62	4.05
			2/7.7	444	475	482.7	7.7	2.08	3.48	1.03			16.01	26.79	7.93
482.7	544	GREY PHYLLITE. Striped, quartz-feldspar laminae. Good $F_1 + F_2$.		(11.83m)	189.7	228.5	38.8	5.58	13.16	2.84	wt. Av.		216.63	510.43	110.23
		Blebs pyrrhotite, pyrite. Core angle: 500'-60°; 520'-60° F_2;			238.0	249.5	11.5	3.68	8.27	1.80			42.30	95.16	20.72
		540'-62°	X	(5.3m)	228.5	246.0	17.5	2.41	5.46	1.17	Wt. Av.		42.21	95.47	20.48 X
544	566	BLEACHED SERICITE CHLORITE PHYLLITE with thin zones of grey		(18.6)	254.5	315.5	61.0	7.25	12.61	3.63	wt. Av.		442.4	769.59	221.5
		phyllite. Minor sphalerite, galena, pyrite.		(12.7)	321.0	330.0	9.0	2.81	3.24	.96	wt. Av.		25.31	29.21	8.66
		Core angle: 560' - 50°		3.5	344.5	356.0	11.5	3.30	4.75	1.38	wt. Av.		38.32	54.66	15.82
566	571	BLACK GRAPHITIC PHYLLITE. Blebs of sphalerite, pyrrhotite, pyrite.		16.5	367.5	421.5	54.0	1.29	Pb Zn		wt. Av.		69.88	Pb Zn	
				6.2	421.5	442.0	20.5	2.32	2.37	1.19	wt. Av.		47.73	48.71	24.49
571	595.5	BLEACHED SERICITE PHYLLITE: (sericite, chalcopyrite, galena)		6.1	442.0	462.0	20.0	3.91	3.45	1.66	wt. Av.		78.2	69.0	33.2
		Thin bands of pyrite, pyrrhotite. Core angle 560 - 40° F_2		6.3	462.0	482.7	20.7	1.85	2.91	.97	wt. Av.		38.31	60.21	19.98
			→	—	482.7	595.5	—								
595.5	601.4	MASSIVE BANDED PYRRHOTITE SULPHIDE. Pyrrhotite, pyrite, sphalerite	59/59	445	595.5	601.4	5.9	3.38	3.60	1.09					
		galena, chalcopyrite. 90% sulphide Core angle 660'-50°													

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
601.4	616	PALE WHITE TO GREY SERICITE PHYLLITE (BLEACHED). Blebs of pyrite, pyrrhotite (2-3")		-	601.4	616.0	-								
616	634	BLACK GRAPHITIC PHYLLITE. Thin quartz-feldspar laminae. Minor pyrite. Core angle: 620-63°		-	616.0	634.0	-								
634	684.6	BLEACHED PALE SERICITE PHYLLITE (SERICITE, CHLORITE, GALENA) Weakly mineralized with disseminated pyrite, pyrrhotite. Rock locally muddy, broken. Core angle: 600-65°, 680-61°		-	634.0	684.6	-								
684.6	687.5	SULPHIDE BRECCIA. Fragments of banded sulphides fine grained sphalerite, galena, pyrite, with barite and quartz-feldspathic veins. 8-10% lead zinc.	29/29	446	208.7 684.6	687.5	0.9 2.9	4.95	6.84	2.35					
687.5	690.2	Mineralized SERICITE PHYLLITE	2/2.7	447	687.5	690.2	0.8 2.7	.47	.86	.44					
690.2	694.7	SULPHIDE BRECCIA. Fragments of sulphides pyrite, sphalerite, galena with white barite in fractures. 8-10% lead zinc.	45/45	448	690.2	694.7	1.4 4.5	4.13	5.52	2.15					
694.7	731	BLEACHED SERICITE CHLORITE PHYLLITE. Weakly mineralized pyrite, minor sphalerite. Note BIOTITE in phyllite at 725'. Core angles: 700'-45°; 720'-68°													
731	754	STRIPED, GREEN, TALCOSE, CHLORITE SERICITE PHYLLITE. Note brown biotite in sericite rich zone (745): Band (6") of fine grained sphalerite, pyrite, galena at 748'. Core angle: 760' - 75°													
754	790	PALE BUFF SERICITE PHYLLITE (chlorite, sericite, minor biotite). Bands of pyrite, pyrrhotite, and disseminated sulphides. Minor galena. Note fault breccia zones Core angle: 780'-67°													
790	802	GREY PHYLLITE. Note conjugate box-fold kinks. Core angle 800-42°													

DIAMOND DRILL RECORD

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PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	FOOTAGE FROM	FOOTAGE TO	SAMPLE LENGTH	ASSAY
802	805	WINE COLORED BIOTITE SERICITE PHYLLITE. Greenish color due to chlorite. Note fault breccia 803'.					
805	832	BLACK GRAPHITIC PHYLLITE. Muddy, fault brecciated, locally quite mylonized. Core angle: 820' - 72°					
832	835	GREEN CHLORITE, SERICITE QUARTZ PHYLLITE. Mylonized at junction with above graphitic phyllite.					
835	897	WINE COLORED STAUROLITE, GARNET, BIOTITE, MUSCOVITE, SCHIST. Note garnet, staurolite pre F_2 schistosity. Rock still has green chlorite also possible andalusite pseudomorphs at 838' Core angles: 840' - 75°; 860' - 64°; 880' - 67°					
	897	END OF HOLE					
		Size of Hole: NW 0 - 6' NQ 6 -153' BW 153 -163' BQ 163 -897'					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX- Joint Venture

D.D.H. No. A - 27 PAGE 1 of 6

LATITUDE 10911.85 N 4100N BEARING OF HOLE _____ STARTED Aug. 8/74

DEPARTURE 1477.25 E 80 W DIP OF HOLE Vertical COMPLETED Aug. 14/74

CLAIM No. CHUCK 5

DIRECTION AND DISTANCE FROM NE. CLAIM POST

ELEVATION 795 P.A. Topog. 4268' (1314.27m) DIP TESTS _____ DEPTH Proposed: Ultimate: 1174' (349.61m)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	5.79m														
0	19	OVERBURDEN													
	155.6														
19	510.5	PALE GREEN TO GREY STRIPED QUARTZ-FELDSPAR CHLORITE SERICITE		Sc po											
		PHYLLITE. Well defined F_2 transposition foliation with folded F_1 layers locally subvertical to F_2. Quartz veins with chlorite		$F_1 \perp$											
		knots: minor pyrite, pyrrhotite.													
		Details: 19' - 100': Core lost between 19-57' (38') Green chlorite phyllite	15/38												
		100' - 200': Green chlorite rich phyllite, quartz feldspar laminae: core lost 176-185(9'); 7.5' recovered.													
		200' - 300': Chlorite rich, less quartz feldspar laminae to 255'; then quartz-feldspar striped phyllite to 293'. Recovery 95%. Pyrrhotite blebs at 222.5' and 233'													
		300' - 400': Mottled looking phyllite - chlorite sericite with porphyroblasts of quartz feldspar. Looks mita-tuffaceous. These are short sections at 313-317; and 329-335'. Phyllite locally greyer, striped, with quartz-feldspar in tension gashes to 400'. Layers of buff quartz-carbonate more common. Recovery 98%													
		400' - 510.5 Buff fine grained quartz-chlorate carbonate altered phyllite between 409.5 - 413. Grades to chlorite rich phyllite. 413-439: muddy, broken, between 439-453'. Core lost 449-453-2' recovered. Green locally buff chlorite rich phyllite to 510.5. Note pyrrhotite, pyrite blebs at 472'. More buff quartz feldspar carbonate veining in last 20' of section.													

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A - 27 PAGE 2 of 6

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Core angles: 20' = 80; 40' = 64; 60' = 80; 80' = 67; 100' = 69; 120' = 75; 140' = 70; 160' = 80. F2 dips: 180' = 76; 200' = 75; 220' = 84; 240' = 82; 260' = 82; 280' = 82; 300' = 75; 320' = 75; 340' = 79; 360' = 74; 380' = 77; 400' = 75; 420' = 80; 440' = 70; 460' = 65; 480' = 82; 500' = 75.													
155.6 510.5	160.26 525.8	BLACK GRAPHITIC PHYLLITE: Laminated quartz-feldspar bands alternate with graphitic micaceous bands (1 - 2 mm). Minor pyrite.													
525.8	564.5 172.06	SULPHIDE ZONE IN QUARTZ-FELDSPAR STRIPED GRAPHITIC PHYLLITE. Sulph concentrated in thin bands (0.5" - 1") in F1 layers. Also fine disseminations 35 - 40% sulph. Mineralization: pyrite, sphalerite (purplish-red), galena, chalcopyrite in late tension gashes. concentrated in F1 locally in fold nose (F2) regions. Core angles: 520' = 75; 540' = 50 F1; F2 locally 45 - 50 in opp. dip; 560' - 78; F2 fold noses; at 548.5; 553; 557.	16/22	449	525.8	528	2.2	1.90	2.82	1.03					
			3/3.5	450		531.5	3.5	2.50	4.50	1.41			8.75	15.75	4.935
			10.5/ 10.5	451		542	10.5	2.23	4.92	1.32			23.415	5.66	13.86
			10/10	452		552	10	2.78	4.92	1.38			27.80	49.20	13.80
			5/5	453		557	5	3.45	5.64	2.41			17.25	28.2	12.05
			7.5/7.5	454		564.5	7.5	1.63	3.24	.77					
					528	542	14.0	2.30	4.82	1.34	wt.av.		32.16	67.41	18.795
	188.97				542	557	15.0	3.00	5.16	1.72	wt.av.		45.05	77.4	25.85
564.5	620	MINERALIZED PALE GREY TO WHITE QUARTZ SERICITE PHYLLITE. (Quartz, sericite, chlorite) 5-15% sulphide. Fine grained pyrite, sphal., galena, chalcopyrite. Note fine grained galena in tension fractures at 595'. Phyllite richer in fine grained galena from 585' on. F1 layers subvertical 589 - 600' - F2 fold nose region. Note green mariposite layers at 596'. Mineralization concentrated mainly in F1 layers; grey phyllite 609 - 612'. Core angles: 580' = F1 subvertical; F2 64; 600' = 73 F2; F1 subvertical; 620' = 62 F2.	9.5/9.5	455	564.5	574	9.5	.93	.77	.32			16.41	PbZn	
			8.5/9	456		583	9	1.14	.89	.47			18.27	PbZn	
			10/10	457		593	10	2.00	2.10	.77			20.0	21.00	7.70
			8/8.5	458		601.5	8.5	3.08	.88	.97			26.18	7.48	8.25
			4.3/4.3	459		605.8	4.3	2.78	3.60	.94			11.95	15.48	4.04
			2.9/2.9	460		608.7	2.9	.73	.94	.35			4.84	PbZn	
			7/7.3	461		616	7.3	.42	.54	.29			7.01	PbZn	
					564.5	583	18.5	1.87	PbZn		wt.av.		34.68	PbZn	
					583	605.8	22.8	2.55	1.92	.88			58.13	43.96	19.99
	190.62														
620	625.4	MINERALIZED MODERATE GRAPHITIC GREY PHYLLITE. 5% fine grained pyrite, sphalerite, galena, minor chalcopyrite 1 - 2% PbZn.	10/10	462	616	626	10	.54	.86	.29			14.0	PbZn	

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
190.62 625.4	194.97 639.5	PS MINERALIZED PALE WHITE, QUARTZ SERICITE PHYLLITE. 5% fine grained	10/10	463	626	636	10	.63	1.48	.29			21.1	Pb Zn	
		pyrite, sphalerite, galena. 1-2% lead zinc.													
639.5	664.5 202.54	MINERALIZED STRIPED, GREY, QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. P G	4.5/4.5	464	636	640.5	4.5	.43	1.14	.18			6.93	Pb Zn	
		Bands of sulphide concentrate in F_1 layers. 15-25% sulphide. F⊥	5.5/5.5	465	640.5	646	5.5	1.24	1.96	.68	646-648.3	2.3'	6.82	10.78	3.74
		pyrite, sphalerite, galena, Locally 8-9% lead zinc. Note quartz	7/7.5	466	646	653.5	7.5	1.73	1.98	.88	648.3-653.5	5.2'	3.98	4.55	2.02
		veins 658-662'. Core angle: 640' = 70°; 660' = 64°F_2; F_1 subverti-	4.8/4.8	467	653.5	658.3	4.8	4.05	10.2	1.94	(66.5 g/ton)		19.44	48.96	9.31
		cal opp. dip F_2 folds		Wt.Av.	605.8	640.5	34.7	1.55	Pb Zn 1.97		(25.3		53.88	Pb Zn	
		S G F⊥		Wt.Av.	640.5	648.3	8.7 7.8	1.38	1.84	.69 0.74	23.7 g/ton)		10.80	16.33	5.76
664.5	681.7 207.78	Grades through GREY QUARTZ FELDSPAR SERICITE PHYLLITE TO DARK	10/10	468	658.3	668.3	10	.88	1.80	.41					
		GREY MODERATE GRAPHITIC PHYLLITE. Weakly mineralized to 677.5',	5.9		668.3	674.2									
		with fine grained red sphalerite (1% lead zinc). Then more	3.3/3.3	469	674.2	677.5	3.3	.99	2.40	.15			11.18	Pb Zn	
		massive banded phyllite (35% sulphide) from 677.5-681.5 - pyrite,	4.2/4.2	470	677.5	681.7	4.2	1.33	2.88	.59			17.68	Pb Zn	
		sphalerite, galena. Bands (.5"-6") concentrate in F_1 layers.		Wt.Av	648.3	658.3	10.0	2.84	5.93	1.39	(47.7)		28.44	59.26	13.89
		(5-6 lead zinc) Core angles: 680 =F_2 = 80°; F_1 subvertical fold													
		nose.		Wt.Av.	674.2	681.7	7.5	3.73	Pb Zn				28.01	Pb Zn	
		P Sc F⊥		Wt.Av.	645.0	658.3	13.0 (3.96m)	2.56	5.01	1.26	(43.2)				
681.7	713 217.32	MINERALIZED QUARTZ SERICITE CHLORITE PHYLLITE. Pale grey, with		—	681.7	686									
		thin buff altered layers. 10-15% sulphide from 686' on. Mainly													
		fine grained sphalerite, galena, with lesser pyrite. Note F_1	10/10	471	686	696	10	2.35	3.86	1.03			23.5	38.6	10.3
		layers locally subvertical to F_2. Sulphides concentrate mainly in	10/10	472	696	706	10	2.40	2.28	1.03			24.0	22.8	10.3
		F_1 but also in F_2 Core angle: 700' - 63°	7/7	473	706	713	7	4.13	3.18	1.62			28.91	22.26	11.34
		Note: small scale fault breccia at 699, 703', filled with													
		cream buff quartz-feldspar carbonate. Minor chalcopyrite blebs.		Wt.Av.	686.0	706.0	(6.1m) 20.0	2.38	3.01	1.03	(35.3)				
713	732 223.11	SULPHIDE ZONE IN GREY STRIPED QUARTZ-FELDSPAR GREY AND SERICITE	6/6	474	713	719	6	5.10	3.24	2.00			30.60	19.44	12.00
		PHYLLITE. Thinly laminated quartz-feldspar - grey mica (chloride-	6/6	475	719	725	6	5.25	6.48	2.21			31.5	38.88	13.26
		sericite) phyllite with 40-55% sulphides concentrated in F_1	6.7/6.7	476	725	731.7	6.7	7.05	10.98	3.47			47.24	73.57	23.25
		layers. Sericite quartz-phyllite at 725-32'. Sulphide: fine	7.3/7.3	477	731.7	739	7.3	2.50	3.24	1.29			18.25	23.65	9.42
		grained pyrite, sphalerite, galena, minor chalcopyrite blebs.		Wt.Av	686.0	719.0	27.0	2.83	3.1	1.18	(40.6)		76.41	83.66	31.94
		Grade 8-11 lead zinc. Core angle 720=70°F_2:F_1 opp. dip. P S		Wt.Av.	706.0	719.0	13.0	4.58	3.21	1.80	(61.7)		59.51	41.70	23.34
				Wt.Av.	719.0	731.7	12.7	6.20	8.85	2.87	(98.4)		78.74	112.45	36.51

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
223.11 732	225.25 739	THINLY LAMINATED STRIPED GREY QUARTZ-FELDSPAR, MODERATELY Sc G													
		GRAPHITIC, SERICITE-CHLORITE PHYLLITE. 5% mineralized: eg. pyrite, sphalerite, galena: (6 lead zinc)													
739	235.00 771	GREY-GREENISH MINERALIZED, QUARTZ-SERICITE-CHLORITE PHYLLITE. Sc	10/10	478	739	749	10	1.05	2.22	.53			10.50	22.20	5.30
		Phyllitic laminae have lustrous silvery green sheen. Well defined folded F_1 layers subvertical to F_2 transposition foliation. 5%	10/10	479	749	759	10	2.70	3.42	1.09			27.00	34.20	10.90
			10/10	480	759	769	10	1.23	1.06	.53					
		mineralized. fine grained pyrite, sphalerite, galena, arseno-pyrite concentrate in both F_1 and F_2 laminae. Grade 2-4 lead		Wt. Av	731.7	759.0	27.3	2.04	2.93	0.94	(32.2 gm/T)		55.75	80.05	25.62
		zinc locally Core angle: 740'=80°F2,F_1 subvertical; 760'=76°													
		Sc		–	769.0	771.0	–								
771	806 245.66	GREEN-GREY CHLORITE-SERICITE PHYLLITE. Very micaceous; less quartz-feldspar; F_2 folds; Good transposition. Buff quartz-carbonate		–	771.0	806.0	–								
		veins: Minor galena, pyrrhotite blebs, pyrite. Core angle 780'=65°													
		Sc													
806	823 250.85	FINE GRAINED, GREY CHLORITE-SERICITE PHYLLITE. Micaceous with thin laminae of quartz-feldspar: kink banded. Minor blebs of		–	806.0	826.0	–								
		pyrrhotite, pyrite. Core angle: 800'-820'=82°		–	823.0	847.0	–								
		S													
823	852 259.68	PALE WHITE SERICITE QUARTZ PHYLLITE. Buff carbonate or altered sericite laminae. Good F_2 folds; disseminated and bleby pyrite,	5/5	481	847	852	5	.40	.60	.24					
		pyrrhotite in F_1 and F_2. Minor sphalerite in band of black-grey striped phyllite (827-29). #481 represents grade - 1-2 lead zinc:													
		Core angle 840=86°													
		P G													
852	903.5 275.38	GREY, STRIPED, QUARTZ-FELDSPAR MINERALIZED, GRAPHITIC PHYLLITE.	10/10	482	852	862	10	1.08	1.30	.65			23.8	Pb Zn	
		Well defined F_2 folds: Mineralization: 15-20% sulphide Fine	95/10	483	862	872	10	2.20	1.72	.83			22.0	17.20	8.3
		grained bleby pyrite, sphalerite, lesser galena and chalcopyrite,	97/10	484	872	882	10	1.83	2.40	.88			18.3	24.0	8.8
		concentrated in F_1 and F_2 layers. Grade 2-5 lead zinc. F_1 mainly	85/10	485	882	892	10	2.23	2.34	.91			22.3	23.4	9.1
		subvertical to F_2. Core angle: 860=85;F_1 subvertical; 880-75°F_1	10/10	486	892	902	10	2.18	2.22	.80			21.8	22.2	8.0
		subvertical; 900=75°F_1 subvertical Broken phyllite 860'-880'	1.5		902	903.5	–								
				Wt. Av.	862.0 ~~872.0~~	902.0	40.0 ~~30.0~~	2.11 ~~2.08~~	2.17 ~~2.32~~	0.86 ~~0.86~~	(29.3) ~~wt. Av.~~		89.40 ~~62.4~~	86.80 ~~69.6~~	34.2 ~~25.9~~

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

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CLAIM No.

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DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
275.38	277.37														
903.5	910	GREEN-WHITE CHLORITE-SERICITE PHYLLITE. Weakly mineralized; pyrite, minor sphalerite.			903.5	910.0									
910	943.3	GREY STRIPED, MINERALIZED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE:	5/5	487	910	915	5	1.33	1.20	.50					
	287.52	10-25% sulphide: Mainly bleby pyrite, with lesser sphalerite, galena,	5/5	488	915	920	5	2.33	3.84	.97			11.65	19.2	4.85
		arsenopyrite. Concentrated in both F_1+F_2 layers. Good F_2 folds.	5/5	489	920	925	5	3.00	4.38	1.15			15.00	21.9	5.75
		Note 941 to 942.5. More massive barite rich sulphide. Core angle:	/10	490	925	935	10	.78	1.38	.44			21.60	Pb Zn	
		920-74°; 940-68°	83/83	491	935	943.3	8.3	1.15	1.94	.74			25.64	Pb Zn	
943.3	992	BLACK, STRIPED, QUARTZ FELDSPAR GRAPHITIC PHYLLITE. Thin quartz-		Wt. Av	915.0	925.0	10.0	2.66	4.11	1.06	(36.3 oz.)		26.65	41	10.6
	302.36	feldspar laminae locally subvertical to F_2. Note minor blebs pyrite													
		pyrrhotite. Core angle: 960 - 59°; 980 - 55°		Wt. Av	925.0	943.3	18.3	2.58	Pb Zn				47.24	Pb Zn	
992	1025	Grades to GREY GREEN CHLORITE-SERICITE PHYLLITE. Rock moderately		—	943.3	992.0	—								
	312.42	graphitic. Chlorite-quartz veins. Minor pyrrhotite, pyrite blebs.													
		Core angle: 1000' - 57°; 1020' - 67°		—	992.0	1025.0	—								
1025	1068.2	DARK GREY STRIPED GRAPHITIC PHYLLITE. (chlorite, mica-sericite-		—	1025.0	1068.2	—								
	325.58	graphite). Abundant pyrrhotite blebs. Core angle: 1040' = 70°;													
		1060' = 70° F_2. Rock locally less graphitic - grey-green chlorite-												0.56	
		sericite phyllite. Note kink bands.													
	326.29													9.19	
1068.2	1070.5	BLEACHED QUARTZ SERICITE PHYLLITE with blebs of pyrite (2-3 mm)	2/2	492	1068.5	1070.5	2	.07	.16	.03				1.06	
	345.64														
1070.5	1134	SULPHIDE ZONE: Mainly massive banded pyritic and barite rich	35/35	493	1070.5	1074	3.5	3.90	6.96	1.76			13.65	24.36	6.16
		sulphide with thin partings of buff-white quartz-sericite chlorite	1.2/1.2	494	1074	1075.2	1.2	.18	.38	.15			.22	.46	.18
		phyllite: locally phyllite looks brecciated with interstices filled	81/81	495	1075.2	1083.3	8.1	1.73	2.46	.77			14.01	19.93	6.24
		with sphalerite rich sulphides. Also massive sulphide breccia zones	6.2/6.2	496	1083.3	1089.5	6.2	.49	.57	.21					
		ex 1104'. Note tension gashes filled with chalcopyrite. Also white	10/10	497	1089.5	1099.5	10	3.45	7.08	1.82			34.5	70.8	18.2
		barite in late fractures. Sericite phyllite locally contains pale	10/10	498	1099.5	1109.5	10	4.73	8.88	2.06			47.3	88.8	20.6
		green marposite or penninite. Sphalerite is orange-brown in colour.	6/6	499	1109.5	1115.5	6	1.93	3.00	.91			11.58	18.00	5.46
		Note in breccia sericite phyllite, sphalerite, galena, and chalco-	9/9	500	1115.5	1124.5	9	2.18	3.30	1.12			19.62	29.7	10.08
		pyrite fill tension gashes.	5/5.5	501	1124.5	1129	5.5	.17	.45	.38					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 27 PAGE 6 of 6

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Core angle: 1080 = 54° massive sulphide;1100 = 76° massive	5/5	502	1129	1134	5	3.15	4.62	1.47			15.75	23.10	7.35
		sulphide; 1120 = 60°			1075.2	1080.5	5.3						9.169	13.038	4.081
		Note: Breccia sulphide: Banded sulphide fragments (1-2") cemented by sulphide (1104'). Also magnetite at 1115, 1130'. Fine grained blebs in sulphide		Wt. Av	1070.5	1080.5	10.0	2.30	3.79	1.04			23.039	37.858	10.421
		Note: Breccia zone 1115.5-1124.5. Locally sericite phyllite fragments cemented by sphalerite, pyrite, galena: Later fault		Wt. Av	1089.5	1109.5	20.0	4.09	7.98	1.94			81.80	159.6	38.8
		breccia zones with sulphide fragments and phyllite fragments.		Wt. Av.	1109.5	1124.5	15.0	2.08	3.18	1.04			31.20	47.70	15.54
1134 345.64	1147 349.60	BLACK GRAPHITIC PHYLLITE. Thinly laminated striped quartz feldspar laminae alternate with black micaceous laminae. Minor		Wt. Av.	1109.5	1134.0	25.5	1.88	2.87	0.98			47.89	73.28	24.98
		pyrite blebs. Core angle: 1140 - 62°													
	1147	END OF HOLE													
		Size of Hole: 0 - 6 NW 6 - 20 BW 20 - 1147 BQ													

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 28 PAGE 1 of 5

LATITUDE 10 486.81 N 0+00 BEARING OF HOLE ____ STARTED Aug. 10/74

DEPARTURE 7 741.81 E 64W DIP OF HOLE Vertical COMPLETED Aug. 18/74

ELEVATION 4173' (1284.65m) (700' P.A. Topog.) DIP TESTS ____ DEPTH Proposed: Ultimate: 921' (280.12 m)

CLAIM No. GRUM 3

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	166	OVERBURDEN: Graphitic, porphyritic, and schistose boulders. Note pyritic schist boulders at 135? Ore horizon glaciated: Core angle: ?160=50°													
166	202.5	PALE GREEN CHLORITE-SERICITE PHYLLITE. Buff veins looks altered.	21.5/36.5												
		Note: 166-68 - brecciated sericite phyllite with pyrite, red sphalerite, in interstices: ORE ZONE GLACIATED. Rock broken.	1.5/1.5	503	50.6 166	167.5	0.5 1.5	.84	.84	.44					
		Core angle 180 = 54, F_1 subvertical; 200 = 50° F_2													
202.5	224	GREY MODERATELY GRAPHITIC PHYLLITE. Zones of black graphitic phyllite. Blebs of pyrite and pyrrhotite. Core angle 220' - 55°	10.5/11.5												
224	281	BLACK GRAPHITIC PHYLLITE. Laminated, F_1 locally subvertical to F_2.	47/57												
		Blebs of pyrrhotite and bands (1-5 mm) of red sphalerite; pyrite, 247-249' Core angles: 240'-74°; 200'-70°; 280'-72°	1.7/		85.1		0.5								
		Note good small scale F_2 folds at 263'	1.7	504	279.3	281	1.7	.79	.80	.41					
281	295.9	MASSIVE BANDED PYRITIC SULPHIDE, with parting of mineralized quartz mariposite sericite phyllite 289-293.2	8/8	505	281 (289.0	289 291.0	8 2.0)	6.68	11.04	3.38			53.44 4.16	88.32 2.76	27.04 1.88
		75% Sulphide: Banded pyrite, orange-brown sphalerite, galena, white barite; 6-8 lead zinc. Note mariposite zone looks sheared,	3.7/4.2 2.7/	506	289 (288.5') (291.0	293.2 (91.4m) 293.2	4.2 2.2)	2.08	1.38	.94			8.74 4.58	5.80 3.04	3.25 2.07
		gougy. Core angle 300' - 70°; F_1 subvertical	2.7	507	293.2	295.9	2.7	3.68	10.20	3.38			9.936	27.54	9.126
295.9	301	DARK GREY STRIPED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. Band (1") sphalerite, pyrite at 300.5	/4.6	Wt.Av	281.0 295.9	295.9 300.5	14.9 (4.5m)	4.84	8.17	2.69	Wt.Av.		72.116 0.0	121.66 0.0	40.116 0.0
301	303.8	MASSIVE FOLDED PYRITIC SULPHIDE: Barite Pyrite, pyrrhotite, deep	3.3/	Wt.Av Wt.Av	281.0 291.0	291.0 295.9	10.0 4.9	5.76 2.96	9.11 6.24	2.89 2.28	(99.2) (78.3)	✓	57.60 14.52	91.08 30.58	28.92 11.19
		purplish to pale orange sphalerite, lesser galena, gutricate small scale F_2 folds: 80% sulphide - 8-9 lead zinc.	3.3	508	300.5	303.8	3.3	6.68	10.97	3.68		✓	22.04	36.20	12.14
303.8	356	GREY-BLACK, STRIPED, QUARTZ FELDSPAR GRAPHITIC PHYLLITE. Phyllite	52/	Wt. Av.	281.0	303.8	22.8 (6.9m)	4.13	6.92	2.29	Wt. Av.		94.156	157.86	52.256
		locally grey where less graphitic more chlorite rich. Abundant thin quartz-feldspar veins. Small scale faults. F_2 folds at 331';	52.2	Wt.Av	295.9	303.8	7.9 (2.41m)	2.79	4.58	1.54	(52.7)				
				Wt.Av	291.0	303.8	12.8	2.86	5.22	1.82	(62.5)		36.56	66.78	23.33

DIAMOND DRILL RECORD

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PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

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CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Minor pyrite, pyrrhotite at 317'.													
		Core angle 320 - 66°; 340 - 72°; Note small kink bands.													
356	375	PALE GREY CHLORITE-SERICITE-QUARTZ PHYLLITE. Muddy, gouged 356-60'	15/19												
375	407	DARK GREY QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. Rock broken gouged, poor core recovery.	8/32												
407	421	SULPHIDE ZONE IN BRECCIATED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE:	6/6	509	124.0 407	413	1.8 6	1.28	1.80	.59		3.08	18.49 Pb Zn		
		Fragments of phyllite (2-3") cemented by massive pyrrhotite and pyrite. Minor chalcopyrite. (Magnetic). Possibly 2-3 lead zinc:	8/8	510	413	421	8 2.4	.85	1.12	.53		1.93			
		core angle: 420' - 55°													
421	447.5	MINERALIZED GREY QUARTZ FELDSPAR GRAPHITIC PHYLLITE. Weakly mineralizaed 5-6% sulphide; mainly pyrite. 1-2 lead zinc.	10/10	511	421	431	10	.48	.62	.21			11.0 Pb Zn		
			8/8	512	431	439	8	.77	.65	.59			11.36 "		
		Last 2' sericite rich with disseminated pyrite. Core angle 440' - 70°			421.0	439.0	18.0' (5.5m)	1.2 Pb Zn			W. Au.		22.36 "		
447.5	480	GREY PHYLLITE. Grey, striped, quartz-feldspar chlorite-sericite-mica phyllite. Well defined laminae. F_2 folds. Good transposition foliation. Core angle 460 - 75° 480 - 60°													
480	507	DARK GREY MODERATE GRAPHITIC PHYLLITE. Striped, quartz feldspar laminae. Quartz veins (1') Minor pyrite pyrrhotite													
507	558	GREY CHLORITE-SERICITE PHYLLITE. Minor amount graphite, pyrite pyrrhotite. Vein of sphalerite (1/2") at 543'. Note pressure shadows of quartz around pyrite, pyrrhotite, blebs. Core angles: 500 = 68°; 520 = 65°; 540 = 62°													
558	628	DARK GREY STRIPED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. Thin laminae (2 mm) of quartz-feldspar alternate with micaceous laminae Well defined F_2 folds. Pressure shadows around pyrrhotite blebs.													

DIAMOND DRILL RECORD

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PROPERTY

LATITUDE BEARING OF HOLE STARTED

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CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Sphalerite in quartz-feldspar vein at 619'. Minor sphalerite in phyllite. Core angles: 560 - 66°; 580 - 70° 600 - 78° F_2 folds; 620 - 77°													
628	650.5	WHITE, BLEACHED, QUARTZ SERICITE CHLORITE PHYLLITE. Bands of pyrite, pyrrhotite in brecciated sericite phyllite. Core angle: 640 = 65°			193.6		1.8 m								
			6/6	513	635.3	641.3	6	.53	.66	.27					
650.5	669	DARK GREY, STRIPED, QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. Good F_2 folds. Minor pyrite, sphalerite. Core angle: 660 = 76° F_1 s.v.													
669	694	GREY PHYLLITE (sericite, quartz, chlorite). Good F_2. Quartz veins, minor pyrite. Core angle: 680 - 64°													
694	700	BLEACHED QUARTZ SERICITE PHYLLITE. Minor graphite rich zones. Pyrite blebs Core angle 700 - 64°			213.9		0.3								
700	749	SULPHIDE ZONE in black graphitic phyllite (80-85% sulphide). Mainly massive pyrite, magnetite rich sulphide. Zones of fault	11/11	514	702	703.1	1.1	.05	.03	.15					
			43/43	515	703.1	707.4	4.3	.93	.77	.47	(1.3m)				
		breccia in filled with quartz. Sphalerite at 746'. Minor chalco-pyrite. Grade 6-8 lead zinc.	48/48	516	707.4	712.2	4.8	3.53	2.52	1.35	6.05	4077 9.6'	16.944	12.096	6.48
			19/19	517	712.2	714.1	1.9	.83	.59	.74	1.42		1.577	1.121	1.083
		Core angle 720' - 73° 740' - 55°, F_2 fold in massive sulphide.	43/52	518	714.1	719.3	5.2	1.28	1.26	.83	2.54	5.83 10'	6.66	6.55	4.32
			77/77	519	719.3	727	7.7	3.75	3.00	1.53	6.75		28.88	23.1	11.78
			98/10	520	727	737	10	1.50	.82	.88	-		15.00	8.20	8.80
			10/10	521	737	747	10	2.85	3.24	1.30			28.50	32.40	13.00
			2/2	522	747	749	2	.49	.91	.41	(0.6m)				
				Wt Av	707.4	747.0	39.6	2.46	2.11	1.15	Wt. Av.		97.561	83.467	45.463
749	774	PALE WHITE TO BUFF QUARTZ SERICITE PHYLLITE. Thin bands and disseminations of pyrite, with minor sphalerite. Less than 1%		Wt Av	707.4	727.0	(12.1m) 19.6	2.76	2.19	1.21	(41.4)		54.06	42.87	23.66
		lead zinc. Core angle 760' = 67°							495						
774	788	PALE WHITE SERICITE PHYLLITE WITH PALE GREEN ZONES OF MOTTLED, BANDED, QUARTZ-FELDSPAR CHLORITE SERICITE PHYLLITE. Weakly													

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 28 PAGE 4 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		mineralized, pyrite with minor sphalerite concentrated in F_1 layers. Core angle 780' - 68°													
788	800.5	PALE WHITE QUARTZ SERICITE PHYLLITE. Weakly mineralized. Pyrite, magnetite, minor sphalerite. 1-2 lead zinc. Core angles: 800' - 74°, F_2 folds	4.5/4.5	523	242.3 795	800.5	1.4 4.5	.12	.09	.15					
800.5	811	PALE GREEN, STRIPED, CHLORITE SERICITE PHYLLITE. Good F_2 folds Quartz feldspar laminae alternate with chlorite rich laminae.			800.5	816.0									
811	831.5	PALE WHITE QUARTZ SERICITE PHYLLITE. Mineralized pyrite, minor sphalerite - magnetite. Core angle: 820 - 68°	5/5	524	(248.7m) 816 821.0	821 829.5	1.5 5	.05	.08	.03					
831.5	838	MINERALIZED QUARTZ FELDSPAR GRAPHITIC PHYLLITE. Fine grained disseminated, pyrite, sphalerite. Chalcopyrite in tension gashes. 5-8% mineralized. 3% lead zinc.	8.5/8.5	525	252.8 829.5	838	2.6 8.5	1.02	1.08	.53					
838	853.5	PALE WHITE QUARTZ SERICITE PHYLLITE, with local zones of green chlorite-sericite phyllite. Weakly mineralized - pyrite, minor sphalerite, Core angle: 840 - 70°			838.0	853.5									
853.5	859	MASSIVE and DISSEMINATED SULPHIDE IN QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. 70-80% sulphide in massive band (854.2 - 857) 3-5% lead zinc.	5/5	526	260.1 853.5	858.5	1.5 5	.75	.60	.59					
859	886.5	PALE WHITE-BUFF QUARTZ-SERICITE PHYLLITE. Note brown biotite at 872. Also bright green mariposite or penninite. Weakly mineralized - pyrite. Core angle: 860'=67°, 880'=71°													
886.5	898	FAULT GOUGE IN SERICITE PHYLLITE and black graphitic phyllite.													
898	905	MYLONIZED, BUFF QUARTZ-SERICITE BIOTITE PHYLLITE. Core angle: 900' - 70°													

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 28 PAGE 5 of 5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
905	921	RED-BROWN STAUROLITE-GARNET SCHIST (staurolite-garnet-biotite-mariposite-quartz-feldspar ± chlorite). Staurolite and garnet pre tectonic as schistosity wraps around them. Core angle: 920-67°
	921	END OF HOLE
		Size of Hole: 0 - 14 NW 14 - 174 NQ 174 - 921 BQ

Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

D.D.H. No. A - 29 PAGE 1 of 4

LATITUDE 11498.39 N 3+83.5N 3+83 N BEARING OF HOLE ____ STARTED Aug. 12/74 D.S.

DEPARTURE 6857.36 E 108 W DIP OF HOLE Vertical COMPLETED Aug. 30/74 D.S.

806' P.A. Topog.

ELEVATION 4279' A.S.L. (1317.20m) DIP TESTS ____ DEPTH Proposed: Ultimate: 1528' (465.73m)

HOLE SIZE: 0-7 NW; 7-12' BW, 12-1528' BQ

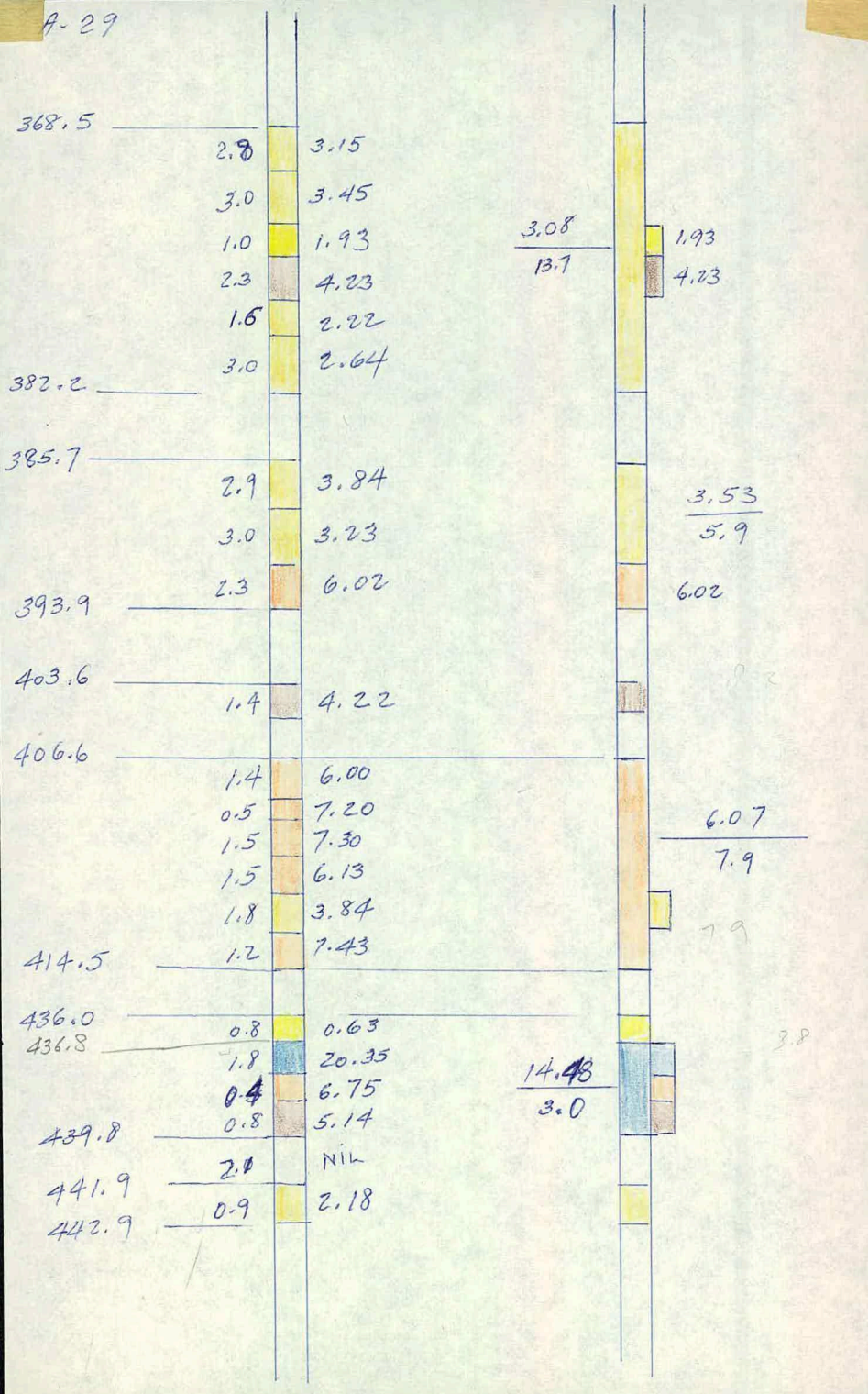
CLAIM No. CHUCK 6 (West Boundary)

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
	3.35M														
0	11	OVERBURDEN													
11	528	GREY-GREEN CHLORITE SERICITE PHYLLITE. Thinly laminated quartz-													
	161.0	feldspar-chlorite-sericite phyllite. Thin (2-3 mm) quartz-feldspar laminae alternate with micaceous laminae. Quartz veins with													
		chlorite blebs common. Note pyrite, pyrrhotite blebs or diamond shaped crystals with well defined quartz-feldspar pressure shadows.													
		F_2 folds defined by quartz feldspar laminae. Good F_2 transposition foliation. Abundant tension gashes in filled with quartz-feldspar													
		Phyllite locally brecciated and veined with quartz-feldspar ex 347' Core angles: 20' = 81°; 40' = 80°; 60' = 77°; 80' = 62°; F_1 subver-													
		tical, 100' = 75°; 120' = 81°; F_2 folds; 140' = 72°; 160' = 71° (minor biotite), 180' = F_1 = 65, F_2 85 opp. dip. 200' = 80°; F_2													
		folds; 220' = 81° F_1 subvertical; 240' = 84° F_1 subvertical; 260' = 80°; 280' = 88°; F_2 folds; 300' = 97°; F_2 folds; 320' - 70°,													
		F_2 folds; 340' - 67°, F_2 folds; 360' - 75°, F_2 folds; 380' = 87°; 400' - 76°; 420' = 72°, F_2 folds; 460' = 72°, F_1,F_2 folds, F_3													
		kinks; 440' = 77°, F_2 folds; 480' = 74°; 500' = 77°; 520' = 85,F_2 folds.													
		Core recovery 95%													
528	648	GREY-GREEN CHLORITE-SERICITE-PHYLLITE. Essentially the same as	95%												
	197.5	above section. Pyrite, pyrrhotite blebs, F_2 folds etc.	rec.												
	213.4														
648	700	GREY PHYLLITE. Medium grey phyllite, with well defined quartz-	98%												
		feldspar laminae. Less chloritic than above. Also abundant thin veins and tension gashes of cream-white quartz-feldspar. Local	rec.												
		thin dark grey zones - more graphite. Core angles: 540' - 76°F_2 folds; 560' = 81°,F_1 subvertical; 580'=82° F_1 subvertical; 600'=													
		75°; 620' = 74°; 640' = 74°; 660' = 69°; 680' = 57°; 700' = 76° F_1 subvertical													

A-29


368.5
2.8
3.15
3.0
3.45
1.0
1.93
2.3
4.23
1.6
2.22
3.0
2.64
382.2
385.7
2.9
3.84
3.0
3.23
2.3
6.02
393.9
403.6
1.4
4.22
406.6
1.4
6.00
0.5
7.20
1.5
7.30
1.5
6.13
1.8
3.84
1.2
7.43
414.5
436.0
436.8
0.8
0.63
1.8
20.35
0.4
6.75
0.8
5.14
439.8
2.0
NIL
441.9
0.9
2.18
442.9
3.08
13.7
1.93
4.23
3.53
5.9
6.02
6.07
7.9
14.48
3.0

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 29 PAGE 2 of 4

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
213.4 700	351.4 1153	GREY, PHYLLITE. Locally greenish where more chlorite rich. Striped, pale grey phyllite: quartz feldspar laminae alternate with grey micaceous laminae. Good F_1, F_2 layers. Pyrite, pyrrhotite blebs with pressure shadows. Note wrinkle lineation on schistosity - 2 - one of which is parallel to F_2 folds. Note incoming of biotite - at 1100 - 1115'. Red brown biotite - chlorite - phyllite. Core angles: 720-75°, F_1 subvertical; 740' = 75°; 760' = 74°; 780' = 71°; 940' - 74°; 960'=73°; 980' = 78°; 1000' - 70°; 1020' 80°, F_1 folds, 1040' = 75°; 1060' = 73°, F_2 folds; 1080' = 95°; 1100' = 70°; 1120'= 64°; 1140' - 75°	98% rec.												
1153	368.5 1209	PALE GREEN CHLORITE PHYLLITE. Chlorite rich, fine grained, soapy texture with less quartz-feldspar laminae. Note minor biotite at 1193-95'. Minor pyrite. Core angle: 1160'=$F_2$79, $F_1$75 opp. dip. 1180'=80°; 1200'=77°													
1209	1254 382.2	MINERALIZED STRIPED QUARTZ-FELDSPAR GRAPHITIC PHYLLITE. Up to 15% sulphide in fine grained disseminations, or concentrations in bands (o.5') or laminae (1-2 mm) in F_2 foliation. Fine grained pyrite, pyrrhotite, red sphalerite, galena, chalcopyrite (magnetitic); Note thin white buff partings of quartz-sericite phyllite. Core angles - 1220' = 76°; 1240' = 45°. Note steep core angles, possibly near fold nose.	8.5/9	601	1209	1218	9	.93	2.22	.29			28.	35	
			10/10	602	1218	1228	10	1.23	2.22	.53			34.	50	
			3.4/3.4	603	1228	1231.4	3.4	.65	1.28	.21			6.	562	
			7.6/7.6	604	1231.4	1239	7.6	1.65	2.58	.41			32.	138	
			4/5	605	1239	1244	5	.80	1.42	.29			11.	10	
			10/10	606	1244	1254	10	1.18	1.46	.44			26.	40	
					1209.0	1231.4	22.4	3.1 Pb Zn	Wt. Av.				69.	412	
					1239.0	1254.0	15.0	2.5 " "	"	"			37.	50	
1254	1265.6 385.7	PALE QUARTZ-CHLORITE-SERICITE PHYLLITE. Minor pyrite, pyrrhotite. Core angle: 1260' = 78°		—	1209.0 1254.0	1254.0 1265.6	45.0 —	3.09 " "	"	"			139.	05	
1265.6	1292.5 393.9	MINERALIZED STRIPED QUARTZ FELDSPAR GRAPHITIC PHYLLITE. Dark grey to black phyllite, up to 7% sulphide: pyrite, pyrrhotite, chalcopyrite with lesser sphalerite and galena in bleby disseminations along both F_1 and F2 layers. 3-4 lead zinc. Core angle: 1280' = 59, F_1 subvertical	9.4/9.4	607	1265.6	1275	9.4	1.44	2.40	.71			13.536	22.56	6.674
			10/10	608	1275	1285	10	1.23	2.00	.47			12.300	20.00	4.700
			7.5/7.5	609	1285	1292.5	7.5	2.00	4.02	.50			15.000	30.15	3.750
					1265.6	1285.0	19.4	1.33	2.19	.59	(20.2 opt.)		25.836	42.56	11.374
					1265.6	1292.5	26.9	1.52	2.70	.56	(19.2)		40.836	72.71	15.124

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. A - 29 PAGE 3 of 4

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
393.9 1292.5	396.2 1300	BLACK STRIPED GRAPHITIC PHYLLITE. Thinly laminated graphitic phyllite. Quartz-feldspar laminated alternate with black micaceous laminae. Fine grained sphalerite, galena at 1299.6 - 1300.2' Core angle: 1300' - 45°													
1300	1305.8 398.0	PALE GREEN STRIPED QUARTZ-FELDSPAR CHLORITE-SERICITE PHYLLITE. F_2 fold, thin quartz veins.													
1305.8	403.6 1324.3	BLACK STRIPED GRAPHITIC PHYLLITE. Local incipient boudinage and brecciation. Mud-gouge 1310-13; Pyrite streaks in foliation. Section quite broken. Core angle: 1320' = kink fold average 50°	17.5/ 18.5												
1324.3	405.1 1329	PALE WHITE MINERALIZED QUARTZ-SERICITE-CHLORITE-PHYLLITE. Fine grained disseminated sulphides (5%) in phyllite. sphalerite, galena, pyrite; Fault breccia at 1328'. 3-4 lead zinc.	4.5/ 4.7	610	1324.3	1329	4.7	1.28	2.94	.65					
1329	406.6 1334	PALE GREEN QUARTZ-CHLORITE-SERICITE PHYLLITE.	/5.0			1334	—								
1334	414.5 1360	MEDIUM GREY MINERALIZED, QUARTZ FELDSPAR GRAPHITIC PHYLLITE with thin zones of quartz-sericité phyllite. Section extremely broken. 10% sulphide, fine grained pyrite, sphalerite, galena, arsenopyrite, concentrated in F_1 and F2 layers. Grade: 6 lead zinc. Core angle: 1340' - 65°; 1360' - 53°	33/45	611	1334	13385	4.5	1.80	4.20	1.09					
			15/15	612	13385	1340	1.5	2.28	4.92	1.29					
			3.5/5	613	1340	1345	5	2.50	4.80	1.24					
			5/5	614	1345	1350	5	1.93	4.20	.94					
			1/6	615	1350	1356	6	2.48	1.36	.88					
			4/4	616	1356	1360	4	2.33	5.10	.88					
					1334.6	1360.0	26.0	2.22	3.84	1.02	Wt. Av.				
										(35 9/10 oz/T)					
1360	1366 416.3	DARK GREEN CHLORITE PHYLLITE. Very dark bottle green chlorite phyllite (quartz-feldspar) - possibly meta tuff, Band of sphalerite galena at 1365'.													
1366	1458 444.4	BLACK STRIPED GRAPHITIC PHYLLITE with thin zones of buff quartz-sericite phyllite (1374-76; 77-80) Unit exhibits isoclinal F_1 fold, refolded by F2 folds at 1386'. Also microbreccia zone associated with quartz-feldspar veins. Weak mineralization: fine grained blebs	26/26	617	1430.6	1433.2	2.6	.22	.41	.15					
			58/58	618	1433.2	1439	5.8	3.68	16.67	2.35					
			15/15	619	1439	1440.5	1.5	1.35	5.40	.62					
			25/25	620	1440.5	1443	2.5	1.30	3.84	.65					

DIAMOND DRILL RECORD

LOGGED BY Stanley Reamsbottom

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. A - 29 PAGE 4 of 4

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		of pyrite, with sphalerite and galena concentrated in F_1 and F_2	/7.0		1443	1450	—								
		layers. 1369-70 - 1-2 lead zinc 10% pyrite	32/32	621	1450	1453.2	3.2	.58	1.60	.35					(x10)
		1384-88.9-1 lead zinc 3% pyrite. Note mineralization in F_1 layers, obviously folded by F_1 isocline and refolded by F_2 folds. Pyrite			1433.2	1443.0	9.8	2.71	11.6	1.65 (56.89% Pb)	Wt. Av.				(x10)
		also in late fractures. 1390-1407 1-2% pyrite, minor sphalerite													
		1433-1443 - sulphide zone. Bands (0.5') of massive pyrite, sphalerite and galena, and core angle 1380' = 63°; 1400' = 61°;													
		disseminated sphalerite, pyrite 8-10 lead zinc #618 Core angle: 1420 = 75° F_1 subvertical, 1440' - 67°													
444.4 1458	1528	GREY, STRIPED QUARTZ FELDSPAR CHLORITE-SERICITE PHYLLITE. Locally													
		greenish where more chlorite rich. Minor pyrite, pyrrhotite - sometimes associated with quartz veins. Note late box-like kink													
		bands. Core angle: 1460' - 67°; 1480' = 60°; 1500' - 70°; 1520' - 75°													
	465.7 1528	END OF HOLE													

DIAMOND DRILL RECORD

LOGGED BY Fred Chow

plotted. 0 – 382.4 – Section 76 Ja 31, 1976 Hyndu 4.56

PROPERTY Vangorda - Kerr Addison - AEX - Joint Venture

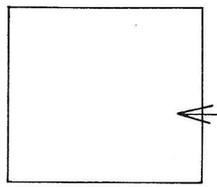
D.D.H. No. A - 30 PAGE 1 of 8

LATITUDE 10840.94 N 4462 N BEARING OF HOLE _____ STARTED Aug. 15/74 D.S.

DEPARTURE 7578.39 E 76W DIP OF HOLE - 90° COMPLETED Aug. 26/74 N.S.

794' P.A. Topog.

ELEVATION 4267' A.S.L. (1313.81m) DIP TESTS _____ DEPTH Proposed: Ultimate: 1278' (389.53m)



CLAIM No. CHUCK 5

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	41	OVERBURDEN: Mainly Granitic boulders, also Greenstone and black, fine grained volcanics(?)													
41	158	QUARTZ-SERICITE PHYLLITE. Light grey, thinly foliated except footages 47-50°, 112-118' and 138.5-140' where highly quartzose. 43-109' fissile. A few pyrite blebs and streaks. A few fractures. 92-97' shear and breccia.	28/30		41	71									
			17/21		71	92									
			6/5		92	97									
			23/25		97	122									
		Core angles: 50° at 43'; 60° at 47'; 55° at 55'; 50° at 58'; 65° at 64-110'; 55° at 113-123'; 60° at 129'; 75° at 135'; 80° at 141'; 70° at 142-158'	4/8		122	130									
			28/28		130	158									
158	306	QUARTZ-SERICITE PHYLLITE. Ligh grey, banded, quartzose, well foliated + undulating. F_1 prominent at 60-90° to F_2. Negligible pyrite.	138/140		158	298									
			5.5/8		298	306									
		Core angles: 65° at 159'; 60° at 161-169'; 65° at 170'; 70° at 171'; 75° at 185-203'; 80° at 204-210'; 65-70° at 213-230'; 55° at 231-234'; 75° at 236'; 70° at 239'; 75° at 246-258'; 70° at 261-282'; 75° at 285-294'; 70° at 295-302'													
306	445	QUARTZ-SERICITE-CHLORITE PHYLLITE. Pale grey with tinge of green in some sections. Chlorite 1-2%. Also short sections medium grey sericite. Negligible pyrite. Banded with abundant quartz to 383', and with F_1 prominent. Becomes more schistose from 383-445. Shear at 407-408' with breccia, upper contact at 60°.	45/47		306	353									
			58/59		353	412									
			2.2/4		412	416									
			29/29		416	445									
		Core angles: 70° at 310-383'; 80° at 384'; 70° at 389'; 80° at 395-403'; 70° at 404-406'; 65° at 409'; 60° at 410'; 70° at 412-425'; 80° at 426-428'; 65° at 429'; 70° at 430'; 85° at 431'; 75° at 434'; 70° at 435-445'.													
445	460.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Light to medium grey, thinly laminated and fissile. 1-2% graphite, 80% quartz. Slightly altered. Core angle: 70° at 446-459'.	15/15.5		445	460.5									

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. A - 30 PAGE 2 of 8

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: Ultimate: _____

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
460.5	474.2	QUARTZ-GRAPHITE PHYLLITE. Dark grey to black, banded and also	13/												
	144.5	thinly laminated. Schistose. Moderate shearing. 5-15% graphite,	13.7		460.5	474.2									
		blebs + streaks pyrite, negligible lead-zinc.													
		Core angles: 80° at 461'; 70° at 462'; 60° at 466'; 55° at 469';													
		70° at 470'; 65° at 471'-473'													
474.2	663.5	SULPHIDE ZONE IN QUARTZ-GRAPHITE and quartz-sericite (± graphite)	2.8	387	474.2	477	2.8	8.70	17.1	4.32		6.81			
		phyllites. Pyrite, sphalerite and galena occur mainly in narrow	3	388	477	480	3	.23	.42	.15	3.15	~~3.65~~	(54) 12.9	Plotted.	
		(1/4") bands and threads following F_2, also filling hairline	7	389	480	487.1	7.1	2.20	5.16	1.09					
		fractures, within highly quartzose graphitic and/or sericite	5.6	390	487.1	494	6.9	.69	.98	.35	1.67	Plotted			
		rocks. Rock highly fractured; show intense to mild brecciation.	.8	391	494	498.5	4.5	1.60	1.94	.59	3.54				
		Pyrite content unusually low 1-3% pyrite with sericitic rocks and	1.3	392	498.5	499.8	1.3	2.23	3.24	.83	5.47	"			
		up to 15% pyrite in graphitic rocks. Sericitic rocks range from	4.3	393	499.8	504.9	5.1	1.38	.85	.59	2.23				
		light greyish to white. Both F_1 + F_2 mineralize from 582' - rocks	5.6	394	504.9	510.5	5.6	1.94	2.00	.65	3.62	"			
		slightly leached, fuschite highly leached near shears.	6.4	395	510.5	517.1	6.6	1.63	2.94	.74	2.57				
		474.2 - 477.0 MASSIVE SULPHIDE with 0.2' fuschite in sericite and	42/43		517.1	521.4									
		0.2' quartz vein; 45 pyrite, 6 lead, 18 zinc.	7.3	396	521.4	529.3	7.9	2.13	4.38	1.03					Plot
		480.0 Quartz-graphite, minor sulphide, 0.1% lead zinc	6.4	397	529.3	537	7.7	.19	1.02	.03		"			
		487.0 Quartz-graphite-sulphide banded, 15-20 pyrite,	2.7	398	537	539.9	2.9	.95	2.40	.15					
		8-9 lead zinc	5.3	399	539.9	545.9	6.0	.07	.18	.06					Plot
		487.6 Quartz-graphite-sulphide banded, 5 pyrite,	5.4	400	545.9	552	6.1	2.85	7.32	1.18					
		1 lead zinc	9.0	527	552	561	9.0	3.45	6.84	1.71		"			
		499.8 Quartz-sericite-sulphide banded, 85% quartz, 3-5	34/45		561	565.5									
		pyrite, 3-6 lead zinc, shear at 493-3'; light grey	2.3/3		565.5	568.5									
		510.3 as above, 3-4 pyrite, 2-4 lead zinc	8/11.5		568.5	580									
		517.1 Quartz-sericite-sulphide streaks, white-buff leached	1.6	528	580	581.6	1.6	1.10	1.00	.44					Plot
		5 pyrite, 3-4 lead zinc	7.4	529	581.6	589	7.4	3.53	6.12	1.56					
		521.4 Quartz-sericite bleached with fuschite, no sulphide	4.7	530	589	593.7	4.7	2.48	6.00	1.32		"			
		529.3 Quartz-graphite (ribbon qt 3-graphite) sulphide,	5.7	531	593.7	599.4	5.7	4.05	6.48	1.94					
		15 pyrite, 8-9 lead zinc, siliceous	7.4	532	599.4	606.8	7.4	2.50	4.86	1.24		"			
		545.9 Quartz-sericite bleached buff to 540', a few 0.4-	5.5	533	606.8	612.3	5.5	3.08	2.82	1.47					
		0.6' sections of banded sulphide, average 0.2 lead	5.6	534	612.3	617.9	5.6	2.85	2.88	1.12					
		zinc, negligible pyrite.	5.1	535	617.9	626	8.1	3.45	4.92	1.50					

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		545.9 - 561.0 Quartz-sericite-sulphide banded, 15 pyrite, 10-11	5.6	536	626	632.5	6.5	1.43	3.48	.59					
		lead zinc, siliceous	5.3	537	632.5	638.8	6.3	1.13	1.98	.44					
		565.5 Quartz-sericite, grey sections bleached buff. Shear	2.5	538	638.8	641.5	2.7	3.00	4.26	1.50					
		at 561.2-563'. Negligible sulphide	5.2	539	641.5	646.7	5.2	2.35	4.74	1.09					
		581.6 as above, with 3-0.2' bands pyrite, lead-zinc	2.6	540	646.7	649.5	2.8	3.15	5.04	1.44					
		600.4 Quartz-sericite sulphide, banded 1-3 pyrite, 4-10	7.1	541	649.5	656.6	7.1	2.85	3.48	1.12					
		lead zinc, average 7-8%	5.1	542	656.6	662	5.4	1.74	1.39	.88					
		645.3 as above, but less sulphide; 1-3 pyrite, 3-5 lead	2.8	543	662	664.8	2.8	1.63	.84	.59					
		zinc. Shear at 625-626; 628', 630-634 accompanied													
		by brecciation and leaching													
		649.5 Quartz-sericite-sulphide banded but highly brecci-													
		ated, recemented firmly though severely leached													
		(vuggy); 15-20 pyrite, Average 4 lead zinc													
		663.5 Quartz-graphite-sulphide banded, siliceous and													
		hard, 61% graphite in quartz forming "Ribbons",													
		shearing, brecciation, moderate, leaching at 662'.													
		20 pyrite, 1-10 lead zinc. (649.5-656.6' average													
		8-9 lead zinc)													
		Core angles: 65° at 477'; 75° at 480'; 70° at 481'; 60° at 483-549';													
		65° at 552'; 70° at 554'; 60° at 557'; 80° at 565';		WT. AV	599.4	656.6	57.2	6.	336	PZ					
		60° at 580'; 75-80° at 583-591'; 70° at 592'; 60° at													
		599'; 60-75° at 606'; 50° at 607'; 75° at 613'; 70°													
		at 614-641'; 65° at 654'; 70° at 657-663'													
663.5	701.4	QUARTZ-SERICITE PHYLLITE - Bleached buff, siliceous and fairly													
		hard. Banding not distinct, slightly folded. Uniform in texture.	27/ 27.7		664.8	692.5									
		1-2% pyrite, add speck fuschite, negligible lead zinc footages;													
		688.8-690.1 + 691.4-692' show sulphide bands but negligible	2.1/ 2.5		692.5	695									
		lead zinc.													
		Core angles: 70° at 664-670'; 60° at 672'; 70° at 678'; 75° at	5.8/ 6.4		695	701.4									
		682'-689'; 35° at 690'; 50° at 692'-699'; 55-65° at 701'													

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
701.4	740.3	SULPHIDE ZONE in Quartz-Sericite phyllite. Pyrite, zinc + lead	9.2	544	701.4	711	9.6	5.93	8.40	2.50					
		sulphides as bands, often appear as disseminations. The zone is	6.8	545	711	718.2	7.2	4.88	10.31	2.35					
		highly fractured, brecciated but recemented into a hard firm rock.	2.6	546	718.2	721	2.8	.23	1.38	.12					
		Mineralization is fairly uniform though short (0.1-0.3). H.G.	4.1	547	721	726.5	5.5	6.08	9.96	3.09					
		bands occur. Only the quartz has been brecciated. The sulphides	5.9	548	726.5	732.5	6	8.10	14.88	3.74					
		form bands and groundmass for the quartz breccia. Local folds	5.7	549	732.5	738.3	5.8	7.20	11.78	3.00					
		present. F_2 mineralization. Average 15-20 pyrite, 14 lead-zinc	2.0	550	738.3	740.3	2.0	2.00	2.46	.88					
		(1/3 ratio), except 718.2-721 = 2 pyrite, 115 lead zinc. Sericite													
		generally buff form 1%± of rock, often silvery grey. Dark grey													
		streaks occur occasionally - probably graphite. From 721-740'													
		greyish-quartz "ribbons" are likely graphitic quartz. Late stage													
		(?) fracture filling by sphalerite form good clearage.													
		Core angles: 75° at 702'; 80° at 707'; 70° at 708'; 75° at 712';													
		65° at 718-721'; 75° at 722'; 80° at 726'; 70° at 731'; 80° at 735'; 70° at 737'-740'													
740.3	781	QUARTZ-SERICITE PHYLLITE, BLEACHED with minor sulphides. Highly	4.5	551	740.3	746	5.7	.12	.33	.85					
		altered, slightly talcy. Mainly bleached to buff color to 780'.	4.2	552	746	756.5	10.5	1.10	1.48	.44					
		Graphitic section from 770.5-771.5. Minor sulphide from 740.3-767,	21/10		756.5	766.5									
		1-3 pyrite, 1% of less lead-zinc. Shear + gouge (?) at 780-781'.	3/4		766.5	770.5									
		Core angles: 75° at 740'; 70° at 746-761'; 75° at 763-770';	25/35		770.5	774									
		70° at 771'; 60° at 779'	/7		774	781									
781	809	QUARTZ-SERICITE PHYLLITE. Medium grey, thinly laminated. Mild	7/7		781	788									
		alteration with threads buff colored sericite. Stronger alteration	4.9/7		788	795									
		at 786.2-787.2' + at 804-808'. A few scattered blebs and streaks	1.6/3		795	798									
		pyrite.	95/11		798	809									
		Core angles: 60° at 781'; 65° at 784'; 75° at 788'; 60° at 790';													
		75-80° at 794'-808'													
809	816.5	QUARTZ-SERICITE-PHYLLITE - BLEACHED, to buff color. Banded in	6.5/												
		distinct, lineation evident. 0.2% pyrite Core angle 75°	7.5		809	816.5									

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
816.5	832.5	QUARTZ-SERICITE-GRAPHITIC PHYLLITE. 5% graphite. Dark grey. Zone	12.5/												
		intensely sheared, contorted and partly brecciated. Rock soft + friable. Blebs pyrite. Core angles" 65° at 818'; 60° at 830'	16		816.5	832.5									
832.5	870.5	SULPHIDE ZONE in QUARTZ-GRAPHITIC PHYLLITE. Sulphide occur as bands	1.3/ 1.4		832.5	833.9									
		and appear to be disseminated in bands, the latter because of	5.9	553	833.9	840.1	6.2	3.75	7.68	1.68					
		brecciation and recementing. Massive brecciated sulphide occur from	3.4	554	840.1	843.5	3.4	.28	.55	.15					
		833.9' to 833.7. Tan colored feldspar occur as splashes also as	2.0	555	843.5	845.5	2.0	4.20	2.70	1.56					
		crystals within massive sulphide. Feldspars comprise 70% of rock	2.9	556	845.5	848.4	2.9	.35	.66	.21					
		from 832.5-833.9, remaining constituent is phyllite with minor	2.3	557	848.4	855	6.6	1.18	2.52	.59					
		pyrite.	6.0	558	855	866	11	.25	.60	.24					
		833.9 - 840.1 Massive sulphide and banded sulphide (70 + 15%) pyrite, 10-7% lead zinc.	3.1	559	866	870.5	4.5	1.55	3.30	.59					
		843.5 banded sulphide, 15-20 pyrite, < 1 lead zinc													
		845.5 banded sulphide, 15 pyrite, 8-9 lead zinc													
		848.4 banded sulphide, 15 pyrite, < 1 lead zinc													
		855 banded sulphide, 15 pyrite, 6 lead zinc													
		865 banded sulphide, 15 pyrite, < 1 lead zinc													
		870.5 banded sulphide, 15 pyrite, 6 lead zinc.													
		Core angles;" 70° at 834'-858'; 75-80° at 859'-865'													
870.5	895.5	QUARTZ-SERICITIE-PHYLLITE. Light grey, thinly laminated, highly sheared, especially from 891-896', with gouge. Negligible sulphide.	9.8/ 25		870.5	895.5									
		Core angles: 55° at 876', 55° at 881'; 65° at 884'; 50° at 895'													
895.5	908.5	QUARTZ-SERICITE- PHYLLITE, Bleached. 90% bleached to buff color;	9.7/												
		a few tight slips, 1% pyrite, lead zinc not noted.	13		895.5	908.5									
		Core angles: 75° at 897'; 70° at 900'; 80° at 902'; 65° at 903'; 70° at 906'													
908.5	916.8	QUARTZ-SERICITE-PHYLLITE. Light grey, thinly laminated sericite,	7.5/												
		quartzose, negligible sulphide.	8.3		908.5	916.8									
		Core angles 75° at 910'; 60° at 912'; 70° at 913-916'													

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
916.8	928.5	SULPHIDE ZONE IN QUARTZ-GRAPHITE-SERICITE-PHYLLITES. Weak banding	4.7	560	916.8	922.8	6.0	.83	1.90	.21					
		of sulphide and quartz. Approximately 3% graphite and 2% sericite,	3.9	561	922.8	927.1	4.3	.09	.57	.15					
		15-10% pyrite, variable lead zinc. 6-8% from 916.8-922.8' <.2%	1.2	562	927.1	928.5	1.4	5.10	12.43	1.82					
		from 922.8-927.1', 15% from 927.1-928.5'. 925.5-927.1' barren of													
		sulphides. Zone brecciated, quartz-sulphide-schist breccia from													
		917.5-920.5', quartz (+ sulphide?) breccia and partly schist in													
		remaining footages. Core angles 60° at 917'; 70° at 923'-928'													
928.5	964.5	QUARTZ-SERICITE PHYLLITE. Medium grey, thinly laminated, high	10.5/												
		sericite, fissile. A few scattered blebs and streaks pyrite, Fresh	12		928.5	940.5									
		looking rock. Core angle: 75-80° at 930-964'	4/5.5		940.5	946									
			18/												
			18.5		946	964.5									
964.5	987.4	QUARTZ-SERICITE PHYLLITE. Light grey banded with pale grey, thinly	8/10		964.5	974.5									
		laminated. Slightly altered with a few short bands of bleached	12.9/												
		buff sericite. Note brown mica in foliation. Approximately 0.2%	12.9		974.5	987.4									
		pyrite occuring intermittently in quartz bands, also a few streaks													
		of sphalerite, parallel to F_2. Shear and gouge at 970.5-973.5'.													
		A few other tight slips. Core angles: 70° at 965-970'; 75° at													
		976'; 70° at 978-986'													
		P-Sb													
987.4	995.5	QUARTZ-SERICITE-PHYLLITE-BLEACHED. Bleached to buff color, hard	.6/.6		987.4	988									
		and siliceous. Massive pyrrhotite with 4-5% lead zinc and 0.4%	5	563	988	993	5	1.88	1.86	.74					
		copper at 988.1-988.4' and 991-992.5'. Remaining rock contains	2.5/												
		thin streaks pyrite with negligible pyrrhotite, galena and	2.5		993	995.5									
		sphalerite. Core angles: 70° at 989'; 85° at 994'													
995.5	1012	QUARTZ-SERICITE PHYLLITE. Light to medium grey. Alteration by	8/8		995.5	1003.5									
		bleaching diminishing. Banding and foliation not distinct, rock	1.6/												
		firm. Quartzose bands contains minor pyrite and scattered streaks	4.5		1003.5	1008									
		and blebs of lead zinc. Core angle: 75°	4/4		1008	1012									

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
1012	1045	QUARTZ-SERICITE PHYLLITE with brown mica, chlorite and garnets (?)	33/33		1012	1045									
		Rock similar to 996 - 1012' with addition of about 0.2% brown mica, 0.3% chlorite and odd bleb of pink garnets (?). Pyrite, lead and zinc occur in same amount as above section. Core angles: 70° at 1016'; 75-70° at 1017-1044'													
1045	1051	QUARTZ-GRAPHITE PHYLLITE. Dark grey to black, place sooty,	2.3/2.5		1045	1047.5									
		fractured, shear at 1051'. $F_1 \perp F_2$. Minor pyrite. Core angle 70-75°	1.5/3.5		1047.5	1051									
1051	1060.2	QUARTZ-SERICITE PHYLLITE. Medium grey blending with tan colored carbonate. Thinly foliated, abundant quartz-feldspar veinlets.	7.7/ 9.2		1051	1060.2									
		Upper contact contorted with quartz pyrite. Core angle 70-75°													
1060.2	1198.6	QUARTZ-SERICITE PHYLLITE - Bleached and mineralized with pyrite. Zone completely bleached to buff color. Often talcy. Occasional	31/ 31.3		1060.2	1091.5									
		fuschite, brown mica at upper contact for 1 foot and at 1073-1074'	4.8/6		1091.5	1097.5									
		Pyrite variable from less than 1% to 10%, average 1.5 to 2%,	16/ 16.5		1097.5	1114									
		galena and sphalerite generally negligible except two short (≈1')	2.2/ 2.2		1114	1116.2									
		sections plus fraction of an inch bands scattered. 1080' shear at 20° to core, minor breccia; 1084' -1084.8' shear with pyrite	2	564	1116.2	1118.2	2.0	4.43	6.24	2.09			8.86	12.48	4.18
		breccia. 1087-1095' quartz-pyrite breccia, recemented except	4.8	565	1118.2	1123	4.8	.33	.37	.18			1.584	1.776	0.864
		1091.5-1094.5, shear angle at 20° to core.	1	566	1123	1124	1	4.73	5.76	1.91			4.73	5.76	1.91
		Massive sulphide at 1116.2-1116.5', 1116.9-1118.2 and at 1123-	38/38		1124	1162	~~7.8'~~	1.85	2.57	0.89			15.17	20.016	6.954
		1124', each grading about 10-12% lead zinc with 30-40% pyrite. Also 2" massive sulphide at 1122'. From 1116.2-1125' highly	4.5/ 15		1162	1167									
		sheared, rock locally brecciated, also leached but not the sulphides. 1140-1146' chlorite rich (20%) bands. 1155.5-1156.8'	31/ 31.6		1167	1198.6									
		Quartz-graphite phyllite with minor pyrite, pyrrhotite, galena, sphalerite and chalcopyrite. 1194.5 -1197.4' chlorite rich banding. Core angles: 70-75° at 1062-1079'; 30° at 1080.5'; 70° at 1082'; 70° at 1096'; 85° at 1103-1106'; 75° at 1108'; 70° at 1111'-1129'. 75° at 1130'; 70° at 1134'; 55° at													

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		1135'; 70° at 1138-1160'; 65° at 1162'; 70° at 1174'; 75° at 1179-1186'; 70° at 1189'-1196'													
1198.6	1205	QUARTZ-SERICITE-GRAPHITE PHYLLITE with sulphide mineralization. Approximately 15% grey sericite 3% graphite, banded with variable pyrite, average 5% pyrite, 1% ± lead-zinc and 0.25% copper. Rock partly altered and moderately fractured. Core angle 75-70°	6/6.4		1198.6	1205									
1205	1214.5	QUARTZ-SERICITE PHYLLITE- Bleached. Similar to 1060-1198', less sulphides. Core angle 70-75°	9/9.5	-	1205 1215	1215 12145	-								
1214.5	1223.5	QUARTZ-SERICITE-GRAPHITE PHYLLITE. Light and medium grey, fissile, highly fractured with quartz-carbonate filling. Also tight slips. Minor pyrite. Odd pink mineral - garnet? Core angle: 75°	7/9		12145	12235									
1223.5	1243	QUARTZ-SERICITE PHYLLITE, Bleached. Similar to 1205-1214', less sulphide (0.05 pyrite), more talcy. Fault gouge(?) at 1231-1233'. Note 2% brown mica at 1233-1236.5'. Core angle 65-70°	9.5/10 85/95		12235 12335	12335 1243									
1243	1278	QUARTZ-SERICITE-CHLORITE PHYLLITE. Banded green and grey with threads buff color. Chlorite 10-15% occur in bands, brown mica 0.3% variable mineralization, quartz 70%. Odd speck pyrrhotite. Fissile to 1266' Core angle 80-85°	20/23 12/12		1243 1266	1266 1278									
	1278	END OF HOLE													
		Hole size: 0 - 6' NW 6 - 44' BW 44 - 1278' BQ													