MAP NO.:
105 O 1
105 J 16
105 I 13

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092908
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: DIAMOND DRILLING

REPORT FILED UNDER: OGILVIE JOINT VENTURE

DATE PERFORMED: 1978

DATE FILED: SEPT 25, 1978

LOCATION: LAT.: 00°00'N 63°10'

LONG.: 000°00'W 130° 05'

AREA: ITSI MOUNTAIN

VALUE $:

CLAIM NAME & NO.: PETE 1-94

WORK DONE BY: CORDILLERAN ENGINEERING

WORK DONE FOR: OGILVIE JOINT VENTURE

DATE TO GOOD STANDING:	

REMARKS: Cordilleran Engineering supervised the drilling of 5 DD holes on the PETE property in the MacMillan Pass area.

Total footage is 1,770 feet. The NQ core is stored at the JASON property. Lithologies encountered were argillites, limestones and sandstones. Analysis of core containing barite and disseminated sulphides returned up to 42% Ba but very low Pb and Zn(0.01-0.11%).

Please Attach [illegible] to Front Page.

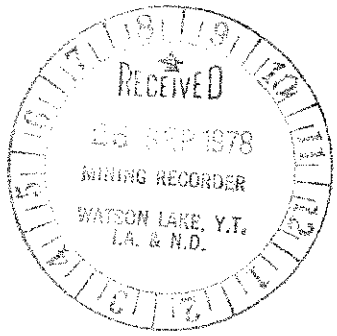
CORDILLERAN ENGINEERING

1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

September 21, 1978

Mr. V. W. Johanson
Mining Recorder
Watson Lake Mining District
P. O. Box 269
WATSON LAKE, Y.T.

806289



Dear Sir:

Re: Pete 1 to 94 Mineral Claims
NTS: 105-O-1; 105-J-16; 105-I-13

Please find enclosed the necessary information to renew the Pete 1 to 92 claims for four years and the Pete 93 and 94 for one year (cash in lieu)

1. Invoices from the diamond drill contractor for the period August 1 to September 12 will be sent to you as soon as they are available. The diamond drilling costs are in excess of the $26.00 per foot used to calculate the value of the assessment work.

2. A cheque in the amount of $2,090.00 to record 368 years of work at $5.00/year ($1,840.00); 10 groups at $5.00 per group ($50.00) and pay in lieu for Pete 93 and 94 ($200.00).

3. Duplicate copies of drill logs and maps. (1 copy of map)

4. Duplicate copies of Form "C" Application for Certificate of Work and Application to Group Mineral Claims

The key claims used are as follows:

a) Pete 3	Y84477:	326 ft x $26/ft	=	$ 8,476.00
b) Pete 31	Y84505:	397 ft x $26/ft	=	10,322.00
c) Pete 63Fr	YA26759:	455 ft x $26/ft	=	11,830.00
d) Pete 29	Y84503:	592 ft x $26/ft	=	15,392.00
Therefore, mininim dollars available				$46,020.00
Total dollars applied				$36,800.00

..2

Please let us know if any additional information is required to allow the renewal of the claims as requested.

Yours very truly

CORDILLERAN ENGINEERING

O. S. Hairsine, P.Eng.

OSH/z

encl: Cheque,Logs,Maps,Form "C",App.to Group.

CORDILLERAN ENGINEERING

1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

October 30, 1978

Mr. V. W. Johanson
Mining Recorder
Watson Lake Mining District
P. O. Box 269
Watson Lake, Y.T.
Y0A 1C0

092908

Dear Mr. Johanson:

Re: Pete Mineral Claims
105: O-1, J-16, P-4, I-13

Please find enclosed a copy of the Canadian Longyear Invoices covering the diamond drilling completed on the Pete property.

Yours very truly

CORDILLERAN ENGINEERING

per O. S. Hairsine, P.Eng.

OSH/z
encl.

092908

OJV - PETE

DIAMOND DRILL CORE LEGEND

Arg A	Non siliceous, non carbonaceous, highly micaceous (chlorite and sericite) argillite. Non laminated to weakly laminated, with <1% darker colored argillaceous laminations, 0.5 mm to 2.0 mm wide. A bluish-green mineral (chlorite ?) is abundant on many fracture surfaces. The scratch test yields a white powder.
Arg B	Non siliceous, non carbonaceous, highly micaceous argillite. Very similar composition to Arg A, but with 1-10% darker colored argillaceous laminations, 0.5 mm to 1.0 cm wide, and <1% up to 5% very fine sandstone laminations, 0.5 - 7.0 mm wide, generally finely interlaminated with argillite in beds 1.0 to 10.0 cm thick. Some sandstone-argillite beds are cross laminated. The scratch test yields a white powder.
Arg C	Weakly to non siliceous, moderately to highly carbonaceous, locally micaceous argillite. Locally very weakly calcareous with a few fine calcite laminations. Up to 10% lighter grey (moderately carbonaceous) laminations, 1.0 mm to 1.0 cm wide, and up to 3% finely interlaminted siltstone and argillite beds, 5.0 mm to 5.0 cm wide. Some highly graphitic fracture surfaces, and bluish-green coatings (chlorite ?). The scratch test yields a grey powder.
Arg D	Weakly to moderately siliceous, highly carbonaceous, weakly laminated argillite. Local beds of finely interlaminated silstone and argillite, 1.0 - 20.0 cm thick. Up to 10% very finely disseminated pyrite specks and cubes within siltstone lamiantions. Local weakly calcareous beds with a few thin calcite laminations. Local pyrite laminations <1.0 mm to >1.0 cm wide. Highly graphitic fracture surfaces. The scratch test yields a grey-black powder.
Arg D1	Very similar composition to Arg D, but high siliceous.

..2

Arg E — Weakly to moderately siliceous, moderately to highly carbonaceous, moderately to highly calcareous argillite. 1-3% highly calcareous laminations, 1.0 mm to 1.0 cm wide, containing 40% + silt size grains of white calcite. Up to 5% fine calcite veinlets, often in bands up to 5 cm wide. Up to 2% very finely disseminated pyrite.

Arg El — Moderately to highly siliceous, moderately to highly carbonaceous, highly calcareous argillite. Strongly laminated, with alternating medium grey (moderately carbonaceous) and dark grey (highly carbonaceous) laminations, 0.5 mm to 3.0 cm wide. 1-3% light grey to white laminations, 1.0 mm to 1.0 cm wide, consisting of abundant very fine calcite laminations and lenses. 1-5% fine clacite veinlets (locally up to 20%).

Arg F — Weakly siliceous, weakly to moderately carbonaceous, highly calcareous argillite with 50 to 80% very fine laminations and lenses of white calcite.

Lst A — "Dirty" limestone or calcareous argillite composed of 50-95% carbonate grains. Weakly to non siliceous, weakly to non carbonactous, and highly calcareous. Often some recrystallized calcite, fine to medium grained. Abundant calcite veinlets.

SS A — Weakly to non siliceous, weakly to non carbonaceous, highly calcareous, fine grained calcarenite. 50-90% carbonate grains. Parllel laminated with occasional cross-laminations.

ABBREVIATIONS:

Lam	=	Laminated
Ds	=	Disseminated
Vt	=	Veinlets
V	=	Veins
Nwk	=	Network
Mass	=	Massive

Example: Py, pyrite, Vt, veinlets, 3%, vol %, 0.5-3mm diameter or width range

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-1 | CLAIM PETE 3 | PROPERTY PETE | PAGE No. 1 of 7

CORE SIZE N.Q | AZIMUTH 030° | ELEV. COLLAR 4360' | LOGGED BY J. Kowc

ANGLE of HOLE -50° | TOTAL DEPTH 99.36 m. | NORTHING 923125 | DATE BEGUN Aug 6 D FINISHED Aug 11 M

SECTION Line 20E. St 10S | % RECOVERY 41.95% | EASTING 459450 | CORE STORED AT Topley Property

COMMENTS: Stick up: 30.5 cm. SCALE: 1 cm = 1 m

Sperry Sun Tests: Collar 034°, -52°
150' 024°, -52°
300' 029°, -52°

SECTION (cm)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0							Overburden - Glacial till with boulders of granite and Argillite								
5															
10															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-1 CLAIM: PETE 3 PROPERTY: PETE PAGE No. 2 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
15							Overburden cont'd.								
							16.46								
	G5			S3			Arg A - non-sil, non-carb, micaceous very poor recovery								
	G7 G5 ↓		Py Sp				17.70 18.00 Silt + Sand size particles of Arg + up to 20% grains + cubes of Py, <1% Sp assoc with fine Qz veinlets + disseminated in Arg very poor recovery - broken ground - casing driven to 24.38 m								
20							Arg A - non-sil, non-carb, micaceous, non-laminated, with a metamorphic fabric - 10-15% aligned fine white crystals (spherical ~ lenticular, indistinct, generally altered, + often contain black inclusions - Cordierite alt. to Muscovite?) <1% fine Qz veinlets with diseem specks of Py + minor Talc? + Chlorite Green coating on many of the fracture faces, may be chlorite.								
							24.38 drill casing to here								
25			Py &Qz				Arg A 1-2% very fine Qz veinlets Highly frac - poor recovery								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-1 CLAIM: PETE 3 PROPERTY: PETE PAGE No. 3 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G5 ↓		cont'd Qz Py	S_3 ↓			Arg A - cont'd 28.55 fault (8) silt + clay + sand~pebble size frags of Arg, some with graphitic faces + some frags of Qz veining. Arg A 1-2% Qz veinlets with minor Py Talc? + Chlorite? 1% Carbonate veinlets. Strong cleavage parallel to the oriented metamorphic crystals. Locally very poor recovery.						
30													
	G2 G5 ↓		Qz Py				33.62 Abund. Qz veining + highly silicified Arg. Disseminated + veinlets of Py + calcite in Qz 34.00 Arg. A with 15-20% Qz veinlets + 5-7% dissem Py + minor carbonate.						
35							35.4 Arg A 1% Qz veinlets, 1-2% very fine Py veinlets - locally contorted + broken Highly frac - very poor recovery						
40													
	G7		Qz				41.55 Fault Zone - See over page						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P-78-1 CLAIM: PETE 3 PROPERTY: PETE PAGE No. 4 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G7		Qz	S2 ↓			Fault zone (8) silt clay + sand + pebble size frags. of Arg. + some Qz frags - Some graphitic faces on frags. + finely dissem. Py in the silt.								
	G5						44.00								
45			Qz Calc				Arg. A non-Sil, non-carb, micaceous, non lam with met fabric. 1-2% Qz with intergrown calcite + minor dissem. Py Strong cleavage - highly frac., poor recovery. Abund. green mineral (Chlorite?) on frac. surfaces								
			Qz												
							Shear Shear								
50							50.10								
	G7		Qz Calc Py				15-20% Qz veinlets, 3-5% calcite veinlets + 3-5% Py highly distorted + broken 50.60 Fault zone (8) clay, silt, sand, pebbles of Arg. + some Qz frags								
	G5	35°					51.90								
			Qz				Shear Arg A - very similar comp. to above, but locally a few darker lams. 0.5-2 mm wide. Still strong met. fabric, but not parallel to lams. 1% local Qz veinlets with minor dissem. Py								
		50°	Qz												
55		49°					Shear Local highly frac. areas (shear zones) - silt & clay, poor recovery.								
		45°					Shear								
		44°					56.60 Fault (6) Highly frac Arg, silt + clay - very poor recovery								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-1 | CLAIM: PETE 3 | PROPERTY: PETE | PAGE No. 5 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM Pb	PPM Zn	PPM Ba	oz/ton Ag	PPM Cu
							COMMENTS:							
	G5 G4			C3			57.60 Fault - contd Shear Arg A 1% Qz veinlets, <1% Py veinlets		58.75					
								62.2	12390 59.75	37	440	2670		26
60		38°					59.80 Arg A - mod to weak metamorphic fabric. Highly frac ~ sheared 5% Qz veining with 3-5% intergrown calcite, some Talc? + chlorite? + 2-3% blebs + veinlets of Py Shear Qz veinlets somewhat distorted + broken	71.1	12391 60.75	20	70	3150		28
								70.7	12392 61.75	18	16	2330		37
			Qz calc Py				61.80 Arg A Mod to weak metamorphic fabric 5-7% Qz veinlets distorted + broken, with 2-3% intergrown calcite + 2-3% disseminated blebs + veinlets of Py. Some lighter grey Arg sections - may be bleached.	56.8	12393 62.75	21	720	2790		42
								45.9	12394 63.75	18	328	2520		50
								29.3	12395 64.75	11	262	3670		36
65			Qz calc Py					44.7	12396 65.75	7	106	4110		35
	G4 G5							63.4	12397 66.90	10	45	5390		44
	G4						66.90 Arg A - non-sil, non-carb, micaceous with a weak metamorphic fabric. May be similar comp to above unit, but altered locally	63.8	12398 67.90	14	74	5310		50
		55°	Py Qz calc				10-15% Py lams, 1-7mm wide, 1-2 cm apart, consist of disseminated Py grains 30-100% fine - medium crystalline.	58.7	12399 68.90	12	26	7960		56
		63°					The Arg country rock is bleached lighter grey (Sericite Alt?) outward from the pyritic lams.	48.8	12400 69.90	10	20	8230		38
70		62° 63°	Py Qz calc				2-3% Qz with 2-3% intergrown calcite veinlets somewhat distorted sub parallel to + cross-cutting lams							
	G5						70.30 Arg A non sil, non-carb, micaceous (chloritic?) with a few very fine darker lams - 20% very fine native Py stained in very thin lams.	38.8	12401 70.90	12	21	8510		41
		75° 50°	Py calc				A few thicker lams (2mm) of intergrown Py + calcite. 3-5% Qz + intergrown calcite veinlets x-cutting lams. A few lenses or boudins of calcite (4cm) with bended Py occur at the contact with Lst.	34.2	12402 71.70	32	140	5860		56
							71.70							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-1 | CLAIM: PETE 3 | PROPERTY: PETE | PAGE No. 6 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: ppm Pb	ppm Zn	ppm Ba	oz/ton Ag	ppm Cu
	G4-5			S3 ↓			Lst A: med grey, fine-med grained, with a few fine white calcite wms (up to 1 mm) 7-10% calcite veinlets up to 2mm wide subparallel to + x-cutting lams.	29.6	12403 72.70	18	[illegible]	2730		27
			Qz				73.00 highly frac - very poor recovery. Frags of Lst A + Arg D - (mod sil, med carb, 10-15% finely dissem Py + some fine Py lams, with 10% Qz + intergrown calcite veinlets) + Arg D1 (highly sil, mod-highly carb, 10-15% dissem. Py cubes + blebs) + Massive Qz veining with minor dissem Py Talc? + chlorite? + silicified Arg ~~ce~~ country rock	21.1	12404 73.70	8	[illegible]	13400		46
								12.6	12405 74.98	9	1280	21000		23
75		51°					75.00 Lst A - 10-15% distorted veinlets of Qz + calcite - minor Py	38.9	12406 75.50	9	38	13900		16
	G7	35°					75.50 Arg D - mod-highly sil, med carb, 7-10% calcite-Qz lams + 5-7% Py (+ Sp?) lams up to 1 mm wide - 3-5% Qz-calc veinlets with dissem Py +	85.0	12407 76.15	0.01%	0.01%	4.71%		
	G4	55°	Py Sp?				76.15 Lst A - 10% calc-Qz veinlets 2-3% Py veinlets	71.1	12408 76.55	9	32	13900		15
	G7	50°					76.55 Arg D1 Highly Sil., mod-highly carb., 5-7% Calc-Qz lams + 5-7% Py lams (Sp?) 1-3% Qz-calc veinlets with dissem Py	80.3	12409 77.60	0.01%	0.11%	2.21%		
	G5-6	65°					lower 20 cm - interlam barite + siderite 1 to 2 cm wide, increasing Py (5-10%)	89.5	12410 78.10	0.01%	0.03%	13.36%		
	G3-4	68°	Py	S1,2			77.60 Interlam Barite (60%), Silica (20%), Pyrite (12%), Arg (5%), Siderite (3%) wms 0.5 mm to 2.0 cm wide	91.7	12411 79.10	0.01%	0.01%	35.98%		
							78.10 Barite Breccia, Clast supported. Matrix = silica + barite? ppt with 1-3% finely dissem Py; 20 - Arg <1 [A, 1.0 cm] weakly sil, mod carb] - Py <1 (A-S, 1.0 cm, massive - weakly lam) - Barite 80 [(A-S, 10.0 cm) weakly-strongly lam, locally a few fine Py + Silica lams. Local thin sulphide lams must be very fine grained Sp., <1%. [Bedded Bar. may have slumped during deposition (some - consol) + been cemented by silica + barite? precipitate]	73.8	12412 80.13	<0.01%	0.02%	42.00%		
80								73.8	12413 81.10	<0.01%	0.02%	30.85%		
	G9	50°	Py	S3 ↓			81.55 Bar with interlam Arg 10% (1mm-1cm) + Py 3-5% (1mm)	73.8	12414 81.69	<0.01%	0.10%	14.57%		
			Py				81.69 Arg D1 - Highly sil, highly carb., 5-10% finely dissem Py + fine Py lams + locally up to 20% Py. <1% fine veinlets of soft white clay? material. Highly frac - poor recovery.	31.7	12415 82.53	11	[illegible]	76.10		76
		67°						31.7	12416 83.52	12	[illegible]	15800		77
							83.52 Fault zone (?) Highly frac - very poor recovery. Silt, clay, + frags of Arg (sil, carb, same as above) + frags of Lst (med grey, fine grained with abundant veinlets)	32.9	12417 84.52	9	[illegible]	4430		37
								32.9	12418 85.04	56	240	6190		66
85	G7	~65°	Py				85.04 Fault zone cont'd - very poor recovery. Silt, clay, + Frags. of Arg (weakly sil, weakly-mod carb, with 5-7% very finely dissem. Py + 5% thin Py lams, <1mm), + a few Qz frags	47.2	12419 86.04	37	335	6410		61
								26.1	12420	46	480	8320		70

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-1 | CLAIM: PETE 3 | PROPERTY: PETE | PAGE No. 7 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: PPM Pb	PPM Zn	% Ba	oz/ton Ag	PPM Cu
							COMMENTS:							
	G7	70°	SDG		S3		87.40 Arg D - med sil, mod carb, med calc, contorted lams, graph slickensides.	26.1	87.40					
							87.63 2-3% fine orange Sp, <1% v fine Gl, + minor CP within calc. lams? + veinlets	52.2	87.63 12421	0.01%	3.80%	1.66%		
							Arg D1 - highly sil, higher mod carb, non calc, few thin calc lams with minor Py. Highly frac,	90.2	88.10 12422	30	150	4690		168
	G7-8	73°					88.10 strong slickensides, recessive calcite-Gz veining, some silt + clay (wash)	86.6	88.10 12423	12	1950	2340		
90		71°					Fre of fault zone.							
		72°					Arg E1 - Mod-highly sil, highly carb, highly calc, strongly lam -	83.0	89.10 12424	12	1180	2350		
		76°					Alternating med grey + dark grey lams 0.5mm - 3.0cm wide, 2-3%	82.2	90.10 12425	10	1300	1960		
		76°					Lt grey ~ white calc lams, mm - 1cm wide. 2-3% finely dissem. Py,	81.3	91.10 12426	10	1110	1480		
		71°					A few fine pyritic lams, + a very few with dissem Sp.		92.10					
		72°					1-3% calcite veinlets with minor dissem Py	74.3	92.10 12427	6	930	940		
		76°					Graphitic cleavage? generally parallel to bedding		93.10					
							Local minor green mineral (chlorite?) on frac faces.							
							92.4 ↓ increasing fracturing + calcite veining							
95		65°												
		50°					Highly frac + locally brecciated (graph matrix)							
							3-5% Calcite veinlets, distorted + broken.							
		56°												
99.36							99.36							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P.78-2 | CLAIM PETE 31 | PROPERTY PETE | PAGE No. 1 of 9

CORE SIZE HQ | AZIMUTH 030° | ELEV. COLLAR 4275' | LOGGED BY J.P. ROWE

ANGLE of HOLE -50° | TOTAL DEPTH 121.01 m | NORTHING 922600 | DATE BEGUN Aug 14 FINISHED Aug 20

SECTION Line 20E. St. 16S. | % RECOVERY 54.43% | EASTING 459150 | CORE STORED AT Jason Property

COMMENTS: Stick up 40.6 cm. SCALE: 1 cm = 1m

Sperry Sun Tests — collar: 028°, -51°; 100': 056°, -50°30'; 200': 016°, -50°30'; 300': 067°, -50°

Readings are suspect

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0															
							Overburden - Glacial till, gravel + boulders of Arg + granite.								
5															
10															
	95	45°/48°	Qz	S3			10.36 Arg A See over page								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-2 | CLAIM: PETE 31 | PROPERTY: PETE |

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag

15.24 — Arg. A — 10-15% qz-calcite veining, 1mm – 5cm wide, (10% calcite intergrown with Qz, 2-3% + locally up to 10% dissem. blebs + cubes of Py + very minor Sp.) – 1-2% fine veinlets (<1mm) of Py. Very strong cleavage fracturing. Green mineral on some frac. faces (Chlorite?)

16.10 — Arg. A — 15-20% dissem cubes + blebs of Py (1mm ø), many with rims of soft, white clay mineral?, <1% fine Qz veinlets, Minor Chlorite? on frac faces

17.07 — Arg. A — 1% very fine (<1mm) veinlets of Py with minor Qz

17.90 — Arg. B — 15-20% dissem. cubes + blebs of Py (1mm ø), most with rims of clay? – <1% Qz-calcite veinlet with a few specks of Sp

Arg. B — 1-3% dissem cubes + blebs of Py locally up to 10% over sections a few cms long. 3-5% local qz-calcite veining with dissem. blebs + cubes of Py. A few (<1%) very fine Py veinlets.

22.80 — mm shear – 2cm wide – silt + fine frags of Arg + Qz.

24.20 — Arg. B — 15% dissem. cubes of Py – Same as 17.07–17.90 m. 40% Qz-calcite veining 0.5-5 cm + wide. Minor dissem Py + some Marcasite? xals open space filling.

26.15 — Arg. B — 3-5% local Qz-calcite veining with minor Py.

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-2 CLAIM: PETE 31 PROPERTY: PETE PAGE No. 3 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba ppm	Ag oz/ton
							COMMENTS:						
	G5-6	55°	Qz Calc	S3			Arg B - cont'd						
	G4 G5-6	55°					28.40 15cm of very fine calcareous SS (30%+ carbonate) faintly lam. 3cm frag? of highly carb, highly calc Arg with 30% dissem. Sp. Sp grains have calcite rims	x-lam?					
		46°					Py - Vt 1%, < 1mm						
30	G6						29.87 Arg C - Qz-Calc V, 20%, 1mm-5cm with Ds Py 1-2%.						
			Qz Calc				30.70 shear 1mm - 4mm						
		57°					31.20 SS A Py, Ds, 5% 2mm Calc Vt, 15%, <1mm-1cm with Ds Py, 5%						
							31.60 Arg C						
							Fault zone (10) silt, clay, fine frags of Arg + Py poor recovery.						
							32.30 Arg C Highly frac - very poor recovery						
	G5 G6		Qz Calc				33.85 34.00 Finely interlam Islst + Arg - Py Ds 5% 2mm Qz-calc Vt, 10% 1mm-1cm						
		73°					Arg C Py - Vt, 1%, 1mm						
35	G5 G6						34.80 35.00 SS A Py, Ds 5%, 2mm Calc Vt, 5%, 1mm-2cm		35.00				
		65°					Arg C Py, Ds <1% 2mm cubes, Py, Vt 2% 1mm-1cm locally Qz minor calc V, 5%, 1mm-3cm	64.01	12438 36.00	30	297	1840	
								70.77	12439 37.20	21	322	1780	
	G5 G6	75°	Qz				37.20 37.50 SS A Py Ds, 5%, <1-3mm Sp-Ds, <1% <0.5mm Calc, Vt, 2%, 2mm	67.76	37.50 12440	27	910	120	
		63°	Qz Calc				38.00 shear Py - Ds 1-2%, 2mm cubes locally Qz-Calc Vt, 3% 1mm-1cm	68.31	12441 39.10	19	610	1890	
		Folded	Calc Py				Arg C Py-calc Vt, 1%, 2mm 39.30 Local small scale folding + contortion Abund Py-calc Vt + Nwk						
40		80°	Qz Calc				40.60 shear						
		85°	Qz Calc										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-2 CLAIM: PETE 31 PROPERTY: PETE PAGE No. 4 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	ppm Ba	oz/ton Ag
	G6	53°	Sz calc	S_3			42.50 Arg C cont'd SS-A Py-Ds-lam?, 10% <1mm Calc V, 40%, 1mm-2cm						
		folded					Arg C Py Ds, 1-2% local cubes, 2mm Py lam?, <1%, 1mm Sz-Calc Vt, 2%, <1-5mm						
							44.00 small scale folding						
45		37°											
		27°											
		23°											
		73°					46.60 Fault zone (?) silt + frags of Arg + Qz + Calc very poor recovery 47.45		47.55				
			Sz calc				Arg D Qz-Calc Vt, 20%, 1mm-2cm with minor Ds Py one 2cm band of finely interlam very fine grained Py + Arg Poor recovery - Locally sheared - highly graphitic fracs	39.34	12442 47.77	20	275	1180	
	G7	65°											
		78°	Py					16.59	12443 49.30	22	308	2330	
50							49.30 Fault zone (?) silt + clay + subrounded frags of Arg D + some Qz - minor Ds Py						
		40°					51.10						
		43°					Arg D Calc Vt, <1%, <1-5mm						
		56°											
		68°											
	G1	12°					53.70						
	G7	52°	Calc Qz				54.15 SS-A Calc-Qz V, 60%, 5cm+ with minor Ds Py Py: Ds, 10%, <0.5mm						
		53°					Arg D Qz-Calc Vt, <1%, 1mm						
55		55°											
		57°											
		42°											

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-2 CLAIM: PETE 31 PROPERTY: PETE PAGE No. 5 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	ppm Ba	oz/ton Ag
	G7 ↓	60°	Calc Qz	S3 ↓			57.10 Calc-Qz Vt, 3-5%, 1-3mm 57.40 Arg D - cont'd.		58.52				
		54°											
		58°											
		62°	Py				58.80 1cm wide lenses of very finely intergrown Py + calcite (May be sedrec Py squeezed into boudins) & few calc Vt	69.94	12442	19	211	810	
60			Py				59.80 10cm section of silty Arg. 5-10% silt size carbonate grains. Py Ds, 5%, <1mm often intergrown with calc. 2 cm band 80% finely Ds Py with intergr. calc		60.03				
		59°											
		53°											
		49°											
		57°					62.40 Py-Bd, 1cm, several fine lams 1mm intergrown Py + calc (10%)						
		52°	2% Calc				62.60 Calc Vt, 3%, 1mm.						
		56°											
		49°											
65		52°											
		59°	Py				65.50 Py-Bd. 1cm, massive with Qz-calc blebs						
		55°					66.30						
		58°					Arg D with 15% bands of weakly carb. Arg 2-10 cm wide having 5-10% finely Ds Py, up to 10% v. fine Py lams with minor Calc-Qz, and up to 5% finely dissem carbonate grains, generally assoc. with Py.	66.66	67.50 12445 68.80	17	1450	910	
		45°					69.30						
		45°					Arg D Very highly frac - poor recovery	74.40	12446	17	376	1850	
70		43°	5% Calc Py Sp				70.50 Arg F ± Sil. ± 10% v. fine acicular Calc xals (Aragonite? calcite) 20% lensy 70.70 calcite lam. with Ds Py 5% + Sp 2%	80.65	70.50 70-70 12447	12	8600	440	
							Arg D. V. Highly frac - poor recovery	43.80	12448	14	950	1170	
		60°					71.80 Arg F		71.80				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-2 CLAIM: PETE 31 PROPERTY: PETE PAGE No. 6 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	ppm Ba	oz/ton Ag
	G7	60°	Py	S3			72.57 Arg F, cont'd mod carb, mod sil Py, Ds, 5-10%, <0.5mm Calc Vt, 1% 1mm Shear - minor silt + frags	37.82	12449 72.57	14	680	130	
			Calc				Arg D - Highly sheared, locally brecciated, Calc Vt + Nwk, 5%, <0.5-2mm with minor Py Highly graphitic						
75													
	G5 G7	45°	Py				75.90 76.20 Arg E - 40% carbonate grains, finely lam Py-Ds + finely lam 20% Calc Vt, 5%, 1-2 mm	36.84	75.90 76.20 12450	21	550	780	
		70° 73°	Calc				Arg C Py Lam, 3-5% <0.5-5mm Calc-Qz Vt, 1%, 2mm-1cm	54.61	12451 78.00	24	249	1620	
								53.74	12452	19	357	1420	
80	G5 G7	60°	Py				80.00 80.30 Arg E - 40% very fine lenses + lams of carbonate with 10% very finely Ds. Py.	67.93	80.00 80.30 12453	14	76	70	
		Small convolutions					Arg D mod-highly sil. Calc-Qz, Wk + Nwk, 5% <1-5mm Py. Lam, 1-2%, <1mm						
		55° 73°	Calc Qz										
		80°					83.50						
85		73°					Arg. D. Py Ds, very fine lenses - lams <1-5mm, 7-10% Lams often grouped in bands up to 10 cm wide Calc-Qz Vt, 1%, 2mm.						
		70° 70°	Py										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-2 | CLAIM: PETE 31 | PROPERTY: PETE |

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G7	70° 66°	Py	S_3			Arg D - contd						
		72°					89.00 — Arg D - same as above but cut by 20% Qz-calc veins, 5 cm ±, with disseminated blebs of Py.						
		69°	Qz Calc Py										
90	G5	58°	Calc Py				89.80 — Arg F - 60% ± fine carbonate grains Calc Lam + Nwk, 20%, <1mm 90.00 — Arg D with two 5 cm bands of weakly carb Arg with 10% finely Ds + Lam Py 90.22						
	G6						No core - fault zone?						
	G6						94.49 — Arg D Qz-calc-Vt + Nwk, 30%, 1mm-1cm wide with 1-2% Ds Py + <1% Ds. Sp 1-2 mm highly frac - poor recovery.						
95			Qz Calc Py Sp				95.80 — Arg E Sil + carb - Calc Vt + Nwk, 20%, <1mm 96.00 — 1.5 cm Bd Py - Finely interlam Arg + irreg blebs of Qz-calc						
	G7	75°	Calc				Arg D. Qz-calc-Vt, 3%, 1-5mm Py Ds + Lam, 1%, 1mm 96.50						
			Py										
		78°	Qz Calc				97.49 — No core - fault zone?						
	G5						98.45 — Arg. F - Similar to 89.80-90.00 m Mod. sil, weakly - non carb Calc-Lams + Nwk, 20%, <1mm Very poor recovery - ground core						
100			Calc										
		70°											
	G7		Qz Calc				101.20 — Arg D. Highly frac, graphitic, poor recovery. Qz-calc Vt, 5%, <1mm Py-Lam <1%, 8 mm with minor Qz-calc.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-2 CLAIM: PETE 31 PROPERTY: PETE PAGE No. 8 of 9

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Ppm Pb	Ppm Zn	Ppm Ba	oz/ton Ag
	G7 G5 G7	78° 78° 85°	Calc Calc	S_3			Arg D - cont'd 102.45 Arg F — Calc Lam 40%, 1mm-1cm 102.60 Arg D Qz-Calc Vt <1%, 1mm 103.40 Shear - Calc Silt + Calc Vt 2cm 104.00 Shear 104.20 Fault (?) Silt + Calc frag, Lam Py + Calc frag 104.50 Py Mass Lam, 6mm with Blebs of Qz calc. Arg D - cont'd		105.20				
105		68° 63° 56°	Py					70.49	12454	22	390	3310	
	G5 G7	60° 70°	Py Calc				105.90 Py Lam, 5%, 1mm, contorted + broken — Calc-Qz vein, 5% 1-2mm broken + contorted 106.10 Py Mass 4cm in highly sheared area - poss fault. with a few specks Sp 106.30 Arg F — Calc Vt, 3%, 1-5mm 106.60 Arg E Calc Vt, 5%, 1mm-1cm Highly sheared, contorted bedding Very poor recovery.	70.49 53.01	106.25 12455 12456 106.60	40 10	154 307	2050 360	
	G4 G6	60°	Calc				109.40 Arg F Arg E 109.80 Fault (?) Silt, clay + fine frags of Arg E. + Py lams.						
110		80° 85°					Arg E Highly Frac Very poor recovery						
	G5 G4 G6	80°	Calc Qz				111.90 Arg F Calc Vt. 3%, 1-5mm ↑ decreasing calc lams. 112.50 112.80 Calc-Qz V, 20%, 1mm-5cm 113.00 Shear Arg E. Calc-Qz Vt, 1-3%, 1-3mm.						
		85°											
115	G5-6	70° 70° 80°	Calc Qz				114.50 Calc-Qz V, 20%, 1mm-1.5cm 115.80 116.30 Shear Arg E well bedded - variable calc. content Py. lams + lenses 3% <0.5mm						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-2 CLAIM: PETE 31 PROPERTY: PETE

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM Pb	PPM % Zn	PPM % Ba	oz/ton Ag
	GY-G ↓	82°		S_3 ↓			Arg E cont'd 3% + fine Py ams. + eyes calc-Qz Vn, 2-3%, 1-5mm						
		76°											
			calc Fract				118.70 ± calc-Qz-Vn. 1mm-1.5cm with 2-3% d'sscem. Fluorite specks						
		77°							119.70				
120								77.67	12457	10	239	3750	
		76°	Qz cmp				120.70 Arg F		120.70				
121.01							121.01 Arg E Qz-calc V, 30% 1mm-2cm; with 3-5% d'sscem Py + a few specks Sp	70.65	12458 121.01	8	352	3760	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P.78-3 | CLAIM PETE 63 Fr. | PROPERTY PETE | PAGE No. 1 of 10

CORE SIZE HQ | AZIMUTH 030° | ELEV. COLLAR 4375' | LOGGED BY J.D. Rowe

ANGLE of HOLE -50° | TOTAL DEPTH 138.68 m. | NORTHING 920.900 | DATE BEGUN Aug 23 N FINISHED Aug 29 N

SECTION Line 60 E. St 14 S. | % RECOVERY 57.08 % | EASTING 462.700 | CORE STORED AT Jason Property

COMMENTS: Acid Test. Collar 030° - 50° 455' - -50°

SCALE: 1cm = 1m

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0 m															
5							Overburden								
10	G6	35° / 35°		S3			10.06 Arg E1 Highly Sil Calc Vt. 1%, 1mm								
							11.50 Arg E Highly Sil								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-3 CLAIM: PROPERTY: PETE PAGE No. 2 of 12

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	ppm Ba	oz/ton Ag
	G6			S3			Arg E Calc Lams, 1-2%, <0.5-2 mm Calc Vt 1-2%, 0.5-2mm Highly Si						
							13.70 Calc-Qz Vt, 10%, 0.5mm-2cm+						
		52°	Calc Qz				14.20						
15		36°											
		22°					16.20 calc-Qz Vt, 5%, 1mm						
		26°	calc Qz				17.10 Lam siltst bed 3 cm wide. Highly calc. Few Ds specks of Py.						
		21°											
		26°					19.51						
20							No core						
							21.34						
							Arg E Very broken - poor recovery. ↓ increasing calc lams.						
	G5 G6	35°					22.30 Arg F						
							22.50 Arg E Very broken - poor recovery						
		26°											
25							24.90 calc lam., 20%, 1mm (Arg F)						
									25.70				
							26.40 Arg E Silty Highly contorted + sheared Calc-Qz Vt 5%, 1mm	40.01	12459	9	460	380	
	G5	48°	Calc Qz				26.70 Arg F Mod Sil.	71.53	26.70 12460	5	395	335	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-3 CLAIM: PROPERTY: PETE PAGE No. 3 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM Pb	PPM Zn	PPM Ba	oz/ton Ag
	G5 G6	42°		S5			27.10 Arg E Highly Silt Calc Vt <1% 1mm		27.10				
		42°											
	G5	23°					29.20 Arg F Calc Vt 10% 1mm-1cm Mod highly silt						
	G6		calc				29.40 Arg E Calc Vt, <1%, 1mm. Highly Silt.						
30	↓	27°											
		33°											
		29°					32.30 Calc Vt 3-5% <1-5mm						
		30°					33.50						
35		30°											
		40°					35.70 very Broken - poor recovery						
		36°					37.50 Calc Lams, 1-3%, <0.5-2mm. Calc Vt 1-2% 1mm-1cm		38.30				
			calc					57.36	12461	9	400	465	
		36°							39.30				
40		30°											
		26°											
		35°	calc										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-3 | CLAIM: | PROPERTY: PETE | PAGE No. 4 of 10

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED | SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

45

Arg E - cont'd. Calc Vn 1-2%, 0.5-2 mm

Very broken, poor recovery

35°

45°

27°

Calc

Calc Qz

Calc Qz

46.94

No core

47.55

Arg E - cont'd

48.50

Calc - Vf. 5%, 1-5 mm

49.30

Arg - Highly sil., highly carb, weakly calc

Highly frac - Calc - Qz Mass V + Nwk, 60%, 1mm - 20cm +

50

51.10

Feldspar Porphyry

Plag. phenocrysts up to 2cm

Groundmass highly altered - strong sericitization, chloritization and pyritization. Py. Ds. 1-3%, <0.5mm

Calc - Qz Vf. 3-5%, 1mm - 1cm

55

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P.78-3 CLAIM: PROPERTY: PETE PAGE No. 5 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G_2			S_3			Feldspar Porphyry. - cont'd								
60			calc qz												
	G_6		calc				62.50 Arg - Highly sil, highly carb, weakly calc - same as 49.30 - 51.10 m 63.00 Calc Qz - Massive - Nwk, 50%, 1mm - 2cm								
		25°					Arg. E. Mod - highly sil, highly carb., mod. calc weakly lam Calc Vt. 2-3%, locally 7-10%, 1mm - 1cm. Graphitic fracture faces.								
65		57°													
		5°													
		8°	calc												
		0-10°													
		35°													
70		52°													
		72°													
		0-5°													
		60°													
		35°	calc												
		0-5°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-3 CLAIM: PROPERTY: PETE PAGE No. 6 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM Pb	PPM Zn	PPM Ba	oz/ton Ag
	Gc ↓	0° 30° 50° 42° 45° 62° 60° 60° 60° 60° 60° 62° 62° 60°	calc calc calc calc	S_3 ↓			Arg E cont'd 73.00 — Calc Vt, 10-15%, 1mm-1cm - highly distorted + broken 74.00 — Calc Vt, 2-3% 1-8 mm Locally 10% very fine calc Lams? - highly distorted & broken 77.10 — Calc Lams, 3-5%, 0.5-2.0 mm - Some remobilization along sub-parallel cleavage - med distorted + broken Calc Vt, 5%, 0.5-5 mm Py Vt, <1%, 1-2 mm 1-3% lighter grey calc silt lams 1mm-1.5cm increasing towards 87.00 — Gradational contact - increasing lighter grey lams to Arg E_1	57.63	76.10 12462 77.10	9	367	655	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-3 CLAIM: PROPERTY: PETE PAGE No. 7 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba ppm	Ag oz/ton
	G6	57° 65° 68° 70°		S3 ↓			COMMENTS:						
							87.20 = SS-A - very fine grained, cross-laminated, 5 cm wide						
							Arg E1 - Calc Lams, 3%, 5-3mm; Calc Vt, 5-7%, 0.5 mm - 1.5 cm.						
							89.30 — Small scale isoclinal folds						
90		64° 68°	calc										
							92.00 —						
							Very poor recovery.						
							93.27 —						
							No core						
							94.18 —						
95		25° 25°					Highly broken - poor recovery						
	G9 G5	60°					96.00 — Arg - mod sil, weakly-non carb, + highly calc - some recrystallization of calc						
							96.50 — weakly lam. — calc Vt, 10%, 1-5mm						
							Arg E1 calc V. 60%, 0.5mm - 2.0 cm.						
			calc				Highly broken - poor recov.						
	G4 G6						98.00 — Arg F Mod sil — calc Vt, 5-10%, 0.5mm - 1cm						
							98.20 —						
							Arg E1 calc Vt, 2-3%, 1-3 mm Fg. Lam, <1%, 1-2 mm.						
		65°					Highly broken - poor recov						
100			calc										
									101.00				
								35.79	12463	8	530	320	
									102.00				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-3 | CLAIM: | PROPERTY: PETE | PAGE No. 8 of 10

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

Arg E 1 - cont'd Mod - highly sil., mod - highly carb, + mod - highly calc

Calc Vt. 5-7%, 0.5mm - 1.5cm

Py. Lams, 1%, 1-2 mm

105

106.00
106.20 — Arg - mod sil weakly carb + highly calc s/a 96.00 - 96.50 m Calc Vt 10%

Arg E 1 same as above

110

111.50
Arg - mod - highly sil, weakly carb, highly calc s/a 96.00 - 96.50 m
112.20 — very weakly Lam. Calc. Vt, 10%, 0.3mm - 1.0cm

Arg E 1 - same as above.

Increasing Py lams downwards 1-2 mm.

115

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-3 CLAIM: PROPERTY: PETE PAGE No. 9 of 10

COMMENTS:

DESCRIPTIVE GEOLOGY

Arg E_1 - cont'd

118.50 —

Calc Vt, 10-12% 0.5-5.0 mm
Py Lams 2-3% 1mm-1.5cm

119.50

120.40 fault (8) s + t clay gouge + fine Arg frags.
120.70 fault (8) "

Arg E_1 - cont'd.
some weakly carb. sections 10-20 cm wide. (G_4)
Calc Lams, 1-3% 0.5-2.0 mm
calc Vt, 3-5%, 0.5 mm - 1.5 cm
Py lams, 1-2% 1-5 mm
Py Vt 1-2%, 1mm-1.5cm

123.45

124.45

127.70

Arg D. Mod-highly sil, mod-highly carb, non-calc, weakly lam.
Py Vt 1-2%, 0.5 mm Py Lams, 1-3%, 0.5-2 mm
Qz-Calc V +0% from 128.70m, 1mm - 2cm with 3-5% Ds Py blebs + a few Sp blebs.

128.65

127.84 Arg - mod-sil, weakly-non carb, highly calc. S/a 96.00-96.50 m
10% coarse rubble calc Vts to 1.5 cm Qz-calc, Vt 10%, 1mm-1.5cm
130.50 Arg D
Py Vt + lenses, 2-3% 0.5-2 mm Qz-calc Vt, 3-5% 1mm-1cm

129.84

130.50

131.70 Calc Arg - See over page.

131.70

% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM Pb	PPM Zn	PPM Ba	oz/ton Ag
80.26	12464 (119.50 – 120.40)	12	1010	610	
80.39	12465 (124.45 – 125.45)	22	2220	2000	
46.71	12466 (128.65 – 129.84)	18	770	>20,000	
48.63	12467 (129.84 – 130.50)	5	27	20,000	
34.87	12468 (130.50 – 131.70)	11	66	>20,000	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P-78-3 CLAIM: PROPERTY: PETE PAGE No. 10 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM % Pb	PPM % Zn	PPM % Ba	oz/ton Ag
	G5			S3			Arg. Mod Si, weakly-mod carb., highly calc. Calc Vt + Nwk, 15%, <0.5-1mm						
	G8	68°	calc				133.20						
					gouge + small frags.		Fault zone (10) Silt clay (graphitic) + frags. of carb + non-carb Arg, + some frags of Qz-calc Vt. with minor Ds Py + Some Sp grains						
135									135.53				
								37.91	12469	12	990	5800	
									136.86				
138.68							138.68						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P.78-4 | CLAIM PETE 29 | PROPERTY PETE | PAGE No. 1 of 10

CORE SIZE HQ | AZIMUTH 030° | ELEV. COLLAR 4215' | LOGGED BY J.D. Rowe

ANGLE of HOLE -50° | TOTAL DEPTH 137.46 m | NORTHING 920300 | DATE BEGUN Sept 1 FINISHED Sept 6

SECTION Line 60E. St. 21S | % RECOVERY 73.97% | EASTING 462350 | CORE STORED AT Jason Property

COMMENTS: Acid Test Collar 030° -54°
450' - -40°

SCALE: 1cm = 1m.

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
0 m													
5							Overburden						
	G4	30°		S3			7.92 Arg A Qz Vt. 3% 0.5mm - 10cm with Ds Py yellow-white clay? mineral Vt. 1% < 0.5mm.						
10		52°					10.06 10 cm. of silt + clay with a few fine Arg A frags.						
		45°					10.67 Highly frac. Arg A. poor recovery						
							11.43 Silt, clay with fine Arg A frags.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-4 CLAIM: PETE 29 PROPERTY: PETE PAGE No. 2 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G4 ↓	43° 45° 40°	Py	S3 ↓			12.90 Arg A cont'd - highly frac. Silty clay + Arg A frags Arg B Gz-calc Vt, 1%, 1-5mm with Ds Py Py Vt, <1%, 1-3 mm Py Lam, 1% 0.5-5mm Finely interlam Arg + very fine SS beds up to 3 cm wide (1-3%) with abund. Ds Py + fine Py lams - some cross lams 3-5% darker lams, locally 10% - 1mm - 1cm Locally highly frac + sheared						
15		15° 46° 41° 47°	qz calc Py										
20		46° 40° 41° 47° 47°											
25		45°	Py										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-4 CLAIM: PETE 29 PROPERTY: PETE PAGE No. 3 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
30	G4	40°		S_3			Arg B - cont'd.								
		48°													
		47°													
		50°													
		48°	Py												
	G5	50°					31.25								
							Highly frac - Sheared - shatter zone Calc-Qz Vt, 3-5%, 0.5-2 mm with Ds Py Py Lam, 1-2% 0.5 mm - 1.0 cm								
		47°	Py												
35		48°													
		55°													
	G4-5	63°	Py				37.10								
							Local bands 1mm - 5cm wide contain abund. fine - med Py cubes								
	G5						38.00								
		53°					Shatter zone - same as above								
	G4	47°					38.60								
	G8						Arg B - cont'd								
							39.50								
40							Silt, clay, + fine Arg B frags + Qz Vt, 2cm								
	G6		Qz				40.54								
			Qz Calc Py				Shatter zone - same as above Qz-calc Vt, 3-5% 0.5-4 mm with abund. Ds coarse Py.								
							41.80								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-4 CLAIM: PETE 29 PROPERTY: PETE

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G4	33°	Py	J3			Arg B: cont'd Py - calc Vt, 3-5%, 1-5mm						
	G5G6	41°					43.28						
			Qz calc				Highly frac - sheared Qz-calc vt 5%, 1mm - 2cm, increasing downwards, with coarse DS Py. Py Vt, 1-2%, 0.5-2mm.						
45							Locally very poor recovery.						
		60°	Qz calc										
50	G5 G7												
	G4	60°					52.10						
		55°	Qz calc				Qz - calc vt, 10%, 1mm - 1cm with coarse DS Py						
		48° 58°											
	G5						54.60						
55	G6						Highly frac - sheared Qz-calc Vt, 1-2%, 1-5mm Py Vt, 2-3% 1-3mm.						
	G4												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No P. 78-4 CLAIM: PETE 29 PROPERTY: PETE PAGE No. 5 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G4	40°		S3			Arg B. contd Highly frac.						
	BS6				Shear + gouge		58.20 Fault zone (8) silt + clay (graphitic) with frags of Arg B, Arg D, Qz, + Ds specks of Py. 59.40						
	G6						Arg D Qz-calc Vt, 5%, 1-5mm with coarse Ds Py, + Some Py cubes up to 5cm.						
60		54°	Qz calc										
	G9						63.20 Highly Sheared - silt, clay graphitic Arg D frags. Calc - Qz frags + Ds Py. Possible Fault zone						
			Qz calc				64.92						
65	G1						65.10 Qz-Calc. Mass V., graphitic contact.						
	G9						65.50 Highly sheared Lst A Calc Nwk, 10%, 1mm-1cm, Py Ds, 10% coarse						
	G6		Calc Py										
	G9				Sheared + gouge		Silt, clay (graphitic) Frags of Arg D, + Calc-Qz with Ds Py Shear zone						
	G4						67.70 Lst A Calc Nwk, 10%, 1mm-1cm with Py Ds, 10%, coarse - some cubes up to 3mm						
	G9		Calc Py				68.45						
70			P		Sheared + gouge		Shear zone - cont'd Silt, clay (graphitic) Frags of Arg D., some calc Arg. Qz-calc 5%, + Ds Py 5%						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-4 | CLAIM: PETE 29 | PROPERTY: PETE | PAGE No. 6 of 10

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

DESCRIPTIVE GEOLOGY

Shear zone cont'd

75.30 — SS A Py, Ds, 1-2% Qz-calc vt, 10%, 1mm-1cm

75.65

Shear zone cont'd

76.40

Arg B Highly frac. + folded - Drilling down bedding
Qz-calc Vt, 3%, 1-2 mm

80.77

Arg D Py, finely Ds, 1-2% Qz-calc. Vt, 2-3%, 1mm-1cm
graphitic fracs.

83.20

Silt, clay (graph) + fine Arg D frags - Possible fault

83.82

Arg D - Highly sheared - graphitic
Qz-calc Vt, 10%, 1mm-2cm with Ds Py, 3%

86.00 Silt, clay (graph) + Arg D frags Poss Fault

86.26

Arg C. Py, Ds, 1-2% Bands of Ds Py + calc 2mm-2cm, 2%

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-4 | CLAIM: PETE 29 | PROPERTY: PETE | PAGE No. 7 of 10

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

DESCRIPTIVE GEOLOGY

90

Arg C contd Finely Lam
Py Ds, 1-2% Calc lams <1% <1 mm, minor Py
Qz-calc Vt, 1-2% 1-5 mm, minor Py

90.40 3cm wide fine SS bed non calcareous Py Ds, 7%

95

95.20 SS A Py coarse Ds, 1-3%
95.40 Arg C Qz-Calc Vt, 1-2%, 1-5 mm

96.40 Arg A Qz-Calc Vt 7%, 1mm-1cm, with Py Ds+Vt, 4%, 1mm

98.25 Arg C Qz-Calc Vt 1%, 1mm Py Ds 1%

99.20 7cm wide SS A Py coarse Ds, 5-7%

99.97

100

Arg F Py finely Ds, 1-2%
100.70 Arg C Py finely Ds 1% Highly frac-sheared
101.00 SS A Py finely Ds 3-5% Calc Vt 1%, 1mm
101.50 Arg A Py Ds, 7-10% cubes up to 2mm Py Vt, 1%, 1-3 mm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-4 | CLAIM: PETE 29 | PROPERTY: PETE | PAGE No. 8 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
105	G5	40°	Py	S3			102.40 Arg A contd · Highly frac - sheared · Poss fault.						
		21° 30° 40°					Arg C Py Ds, 3-5% fine specks to 2mm cubes Qz-calc Vt, 1-2%, 1-5 mm						
		40°	Qz calc Py				↓ increasing carbon content						
		41° 40° 40°	Qz calc Py				106.00 Qz-calc Vt, 7% 1-7mm Py Vt, 1-2% 1-3 mm Py Lams <1% <0.5 mm Py Ds 3%		106.10				
	G3						106.90 Lst A Calc-Qz Vt+V, 15% 1mm-4cm with local blebs of Py (1-2%) + a few blebs of Sp		12500 107.70				
	G5		Qz calc				107.70 Arg C Highly frac.		12501 108.20				
	G4 G5						108.20 Lst A 10cm Calc-Qz Vt 5%, 1mm-1cm		12502 109.20				
110	G4						Arg C Py Ds 1% Qz-calc Vt, 7-10%, 1mm-1cm with Py 2-3% Ds + Vt		12503 110.20				
							110.20 Qz. Nwk Mass 90%		12504 111.10				
			Qz calc Py				110.80 Arg B Py Ds 5% 0.5mm Qz-calc Vt+Nwk, 10%, 1-5 mm Calc-Qz Vt, 2-3%, 1-5 mm Py Vt, 1-2%, 0.5 mm		12505 112.10				
	G1	49°	Qz Sp Py				112.10 Very fine grained sericite-Qz rock with some Ds silt size Sp? grains Very fine Py + silica lams (<1mm) highly contorted & broken. Abund Ds specks of Py + silica (<0.5 - 2mm) 5-7% Qz V, 7-10%, 1mm-2cm with Ds blebs + Vts of Py (4%) + Ds blebs + Vts of very fine pink material (Carbonate 2%)	99.34	12506 113.10	0.01%	0.01%		
								95.43	12507 113.75	0.02%	<0.01%		
	G4	38° 20° 16°	Py Qz calc					95.43	12508 114.10	<0.01%	0.03%		
115		20° 32°	Py				114.00 Arg B Local Ds Py cubes, 3-5%, <0.5 - 3 mm Qz-calc Vt, 3%, 1mm - 1cm with minor Ds Py		12509 115.10				
									12510 116.10				
							116.10 mm Small shear		12511				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-4 | CLAIM: PETE 29 | PROPERTY: PETE |

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	117.40 12511				
99.18	117.75 12512	<0.01%	<0.01%		
	12513 118.75				
	12514 119.75				
	12515 120.75				
	12516 121.80				
	12517 122.80				

117.40 Arg B cont'd
Sericite - Qz rock s/a 112.10 - 114.00m Qz V, 25% 1mm - 4cm - Py 4%
117.75 Arg B Calc - Qz Vt + Wisp, 10-15%, <1mm - 1cm
Py Vt + blebs, 1-2% <1mm - 2mm
Highly disturbed bedding - Local breccia.
119.50 Arg D Calc - Qz Vt, 4%, 1-5mm with minor Py - Ds + Vt
Py Ds 1% 0.5mm
120.60 Lst A - Py Ds 3-5% - Calc Vt 3% 1-5mm
Arg D Py Ds <1% Calc - Qz Vt, 5%, 0.5-8mm
121.45 Lst A interbedded with 20cm of Arg C Py Ds 3% Calc Vt, 3-5%, 1mm
121.80 Arg D1 Py finely Ds, 2% some 4mm cubes Highly frac lower contact
122.23 5cm SS A
Arg D Py Ds, 1-2% Qz - calc Vt, 10-15%, 1mm - 2cm
123.50 Lst A Calc Vt 4%, 1-8mm with Ds blebs Py, 3%
123.95 Arg D + D1 Local Py Ds, 1%, <1mm
Local Qz - calc Vt, 1-2% 1mm
Highly broken - graphitic
126.50 — — gradational contact — — —
Arg C with small sections of Arg D + D1
Py Ds, 1-2%, cubes up to 2mm
Qz - calc Vt, <1%, <1mm
mm shear
Highly frac - locally sheared
shear
131.10 Arg D Qz - calc V, 1%, 1-5mm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P. 78-4 CLAIM: PETE 29 PROPERTY: PETE PAGE No. 10 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							COMMENTS:								
	G6	60° / 60°		S3			Arg D contd								
							133.00 — 6 cm very fine SS non calc Py Ds, 5% 1mm								
		42°	Py				Arg C Py, Ds 3%, <1mm								
	G3 G6		Py calc				134.40 / 134.55 — Lst A calc (Aragonite?) Vt, 10%, 5mm-2cm with Ds Py (7%) + Sp on outer edges of Vts (<1%)								
135							Arg B Py, Ds, 3% Qz calc, 1-2%, 1-5 mm								
	G8		calc Qz				135.80 — Highly sheared, Qz-calc Vt, 10-15%, 1mm-2cm								
	G3						136.10 — Lst A Py finely bs 3-5% Calc Vt, 10%, 1mm-2cm with minor Ds Py + Sp specks								
	G6	55°					136.50 — Arg B Py, Ds, 1-3%, <0.5-2mm calc-Qz Vt, 2-3%, 1mm-2cm with minor Ds Py								
137.46			calc Qz				137.46								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P.78-5 | CLAIM P.E.T.E. 29 | PROPERTY PETE | PAGE No. 1 of 3

CORE SIZE HQ | AZIMUTH 030° | ELEV. COLLAR 4240' | LOGGED BY J.D. Rowe

ANGLE of HOLE -50° | TOTAL DEPTH 42.98 m | NORTHING 920400 | DATE BEGUN Sept 8 D FINISHED Sept 10 D

SECTION Line 60 E 19+84 S | % RECOVERY 73.03% | EASTING 462400 | CORE STORED AT Jason Property

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS: SCALE: 1cm = 1m

DESCRIPTIVE GEOLOGY

% CORE RECOVERED | SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

0m

Overburden

5.80

Abundant Arg B frags with brown clayey soil - highly oxidized

6.60

Arg B Qz-Py Vt, 1-2%, <1-4mm

7.80

Very fine SS non calc, non carb; Strong Qz-Ser Alt. Qz-calc Vt, 7%, 1mm-3cm with minor Py Ser Vt, 1%, 1mm

8.25

Arg B Locally Py Ds, 3-5%, 0.5mm. Qz-Calc Vt, 3%, 0.5-2mm one 3cm wide with a few Ds blebs of Py + very minor Sp (coarse, brown) Py Vt, <1%, 1mm

11.60

12.00

Fine SS interlam with Arg. - Strong Qz-Ser Alt Calc Vt 1%, <0.5-5mm

5

10

G4 G3 S3 33° 41° 36° 40° 39° 39° 39° Qz Py Qz Calc Py Qz Calc Py St Calc

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-5 | CLAIM: PETE 29 | PROPERTY: PETE | PAGE No. 2 of 3

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G4	36°	Py	Ss			Arg B. Py Ds 1-3%, 0.5-2mm Qz-Calc. Vt 2% 1-3mm Py Vt <1% 1mm								
		38°					13.10 / 13.35 Fine SS noncalc, non carb, non calc finely lam Py Ds 3% Qz-Calc Vt 7%, 1mm-1cm								
		39°					Arg B. - A few very fine ss bands 1-2 cm wide some show grading + loaded bases. Qz-Calc Vt, 3%, 0.5-4mm with Py Ds+Vt, 1% + local very minor Ds Sp.								
		Qz calc													
		54°													
15		35°													
		10°													
		37°													
		32°													
		25°													
		32°													
		Qz calc													
		29°													
							mm Shear								
	G2		Py				19.70 mm Shear - silt clay & fine frags.								
20	G4						Arg - Strong Ser - Qz Alt - Some chlorite? Py Ds + Vt, 3-5%, 0.5-2mm 20.20								
		22°					Arg A Py Ds, 1%, 0.5-1mm. Very abund Bluish-green mineral (Chlorite) on frac. faces. Qz Vt, << 1%, < 1mm								
		40°													
		57°													
		32°													
25							24.70 mm Highly frac. - some silt + clay Poss. fault (?) 25.55 mm								
		40°	Py				Arg A cont'd Py Ds <1%, < 1mm Qz-Py Vt, <1%, 1mm. Local Py Vt, 1cm wide								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. P 78-5 | CLAIM: PETE 29 | PROPERTY: PETE | PAGE No. 3 of 3

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

DESCRIPTIVE GEOLOGY

94 ↓ | S3

27.50 — Arg. A cont'd

shear

Arg B. Qz-calc Vt, 10%, <0.5-5 mm, with Py, Ds blebs + Vt, 5%, <1mm, + local minor Sp blebs.

Very strong cleavage or shearing filled by Vts

29.50

29.80 — very fine grained SS A. Calc Vt, 5% 1mm with Ds blebs Py, 1%

Arg. B with 2-3% SS A bands, 5mm-5cm wide containing 1-3% finely Ds Py + very minor finely Ds Sp

Qz-calc Vt, <1%, 1mm-1cm

Py Vt 2-3%, <0.5-2mm

34.00 — Calc Qz Vt, 10%, 1mm-2cm with Ds blebs of Py, 1% + bluish-green mineral (Chlorite?) 2%.

35.90 — Py Vt, <1%, 1mm

Calc-Qz Vt, <<1% with bluish-green min (Chlorite?) + minor Ds Py blebs.

37.70 — Calc-Qz Vt, 1-2%, 0.5mm-2cm with intergrown Py blebs & Vts 5%, 0.5-5mm + local minor specks of Sp

Local small blebs of whitish metallic mineral (Marcasite?)

39.70 — Calc Qz Vt <1%, 0.5-3mm

Py Vt, <1%, <0.5-2mm

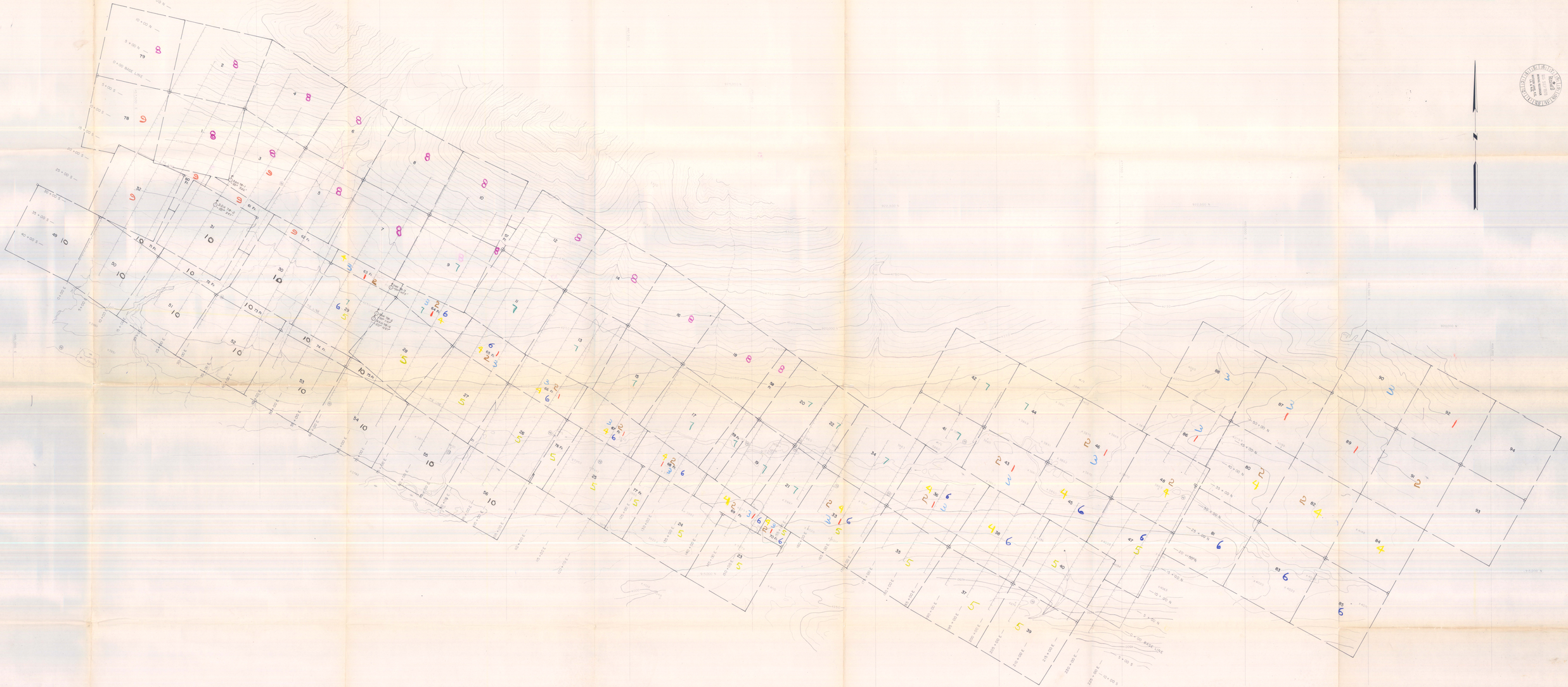
42.98 End

42.98

CORDILLERAN ENGINEERING LIMITED

DIAMOND DRILL SUMMARY RECORD OJV - PETE 1978

HOLE No.	NORTHING	EASTING	ELEVATION	SECTION	INCLINATION	AZIMUTH	OVERBURDEN	CLAIM	% RECOVERY	DATE STARTED	DATE FINISHED	REMARKS	TOTAL DEPTH
78-1	923,125	459,450	4,360'	-	collar -50° 300' -52°	34° 29°	80'	Pete 3	42.0	Aug. 6 D	Aug. 11 N	NQ L-38	326'
78-2	922,600	459,150	4,275'	-	collar -50° 390' -	28° -	42'	Pete 31	54.4	Aug. 14 D	Aug. 20 D	HQ L-38	397'
78-3	920,900	462,700	4,375'	-	collar -50° 455' -49°	30° -	33'	Pete 63F	57.1	Aug. 23 N	Aug. 29 D	HQ L-38	455'
78-4	920,300	462,350	4,215	-	collar -50° 450' -40°	30° -	42'	Pete 29	74.0	Sept. 1 N	Sept. 6 D	HQ L-38	451'
78-5	920,400	462,400	4,240'	-	collar -50° -	30° -	12'	Pete 29	73.0	Sept. 8 D	Sept.10 D	HQ L-38	141'
											1978 TOTAL	FOOTAGE =	1,770'



EXPLANATION

- CLAIM POST LOCATION
- CUT LINE
- FLAGGED LINE
- HELICOPTER LANDING PAD

NOTE: PETE MINERAL CLAIMS DESIGNATED BY NUMBERS 1-94.

OGILVIE JOINT VENTURE

CLAIM MAP

PETE PROPERTY

MACMILLAN PASS AREA

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

N.T.S.: 105-O-1, 105-P-4, 105-J-16, 105-I-13

LAT: 63° 00' N LONG: 130° 04' W

500 0 500 1000 1500

SCALE IN FEET

BY

CORDILLERAN ENGINEERING LTD.

408-355 BURRARD STREET

VANCOUVER, B.C. V6C 2G8

092908

NOVEMBER, 1977

PLATE I

092908