ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	
DDH 85-2A	NANSEN	BROWN - McDADE	STARTED: AUGUST 1 FINISHED: AUGUST 8
COORDINATES N: 19882.0 N E: 19871.1 E	AZ: 070° EL: 1266.82 m	DIP-COLLAR: 60° E ACID DIP TEST: 61.2° E (BOTTOM)	T.D. 146.91 m LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

- P – PERVASIVE
- > – PERVASIVE > VEINLET
- < – VEINLET < PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
- F – FAIR
- M – MODERATE
- A – ABOVE AVERAGE
- H – HEAVY

SYMBOLS

- VEIN
- FAULT
- FAULT GOUGE
- △ – BRECCIA
- ∠ – CRACKLE BRECCIA
- 15° – CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- ∡ – ANGLE TO CORE AXIS
- D/S – DOWN SECTION

LITHOLOGY

DEPTH (m)	LITHOLOGY
	OVERBURDEN (GLACIO-FLUVIAL?) BROWN SANDY CLAY WITH <3CM ANGULAR ROCK FRAGMENTS
7.3	2CM. ROUNDED FRAGMENT
15.84	UP TO 5CM SUBANGULAR GRANODIORITE AND MT NANSEN VOLCANICS-TUFF
18.9	REDDISH BROWN SAND; INCREASED ROCK FRAGMENTS-MOSTLY GRANODIORITE, APLITE & PEGMATITE; OCC. ROUNDED QUARTZITE PEBBLE
23.77	GRANODIORITE - HIGHLY BROKEN
25.91	1CM ROUNDED PEBBLE
27.74	D/S - ALTERED FINE FRAGMENTS MORE COMMON
30.78	0.3m CLAY BAND WITH <1CM. PEBBLES OF QUARTZITE
36.27	BEDROCK CONTACT? GRANODIORITE
47.85	D/S FRACTURING 0-45°∡ WITH CLAY AND CALCITE; DENSITY 1/2-10CM INCREASED SHEARS
50.90	FAULT - 0.15m GREEN CLAY
58.22	BANDS OF ALTERED CRUMBLY ROCK COMMON
60.81	
66.45	VEIN - 1cm
70.1	IN PLACES SHEARED
72.84	
94.18	D/S ROCK BECOMES CRUMBLY
102.87	BRECCIA - 0.46m, ROUNDED-ANGULAR CLASTS
104.7	D/S SHEARS COMMON
105.46	FAULT - 0.06m <1cm QUARTZ CLASTS IN WHITE GOUGE; HIGHLY BROKEN IN PLACES GOUGY TO 105.77m
	BRECCIA - ? - PHENOCRYS ORTHOCLASE LOOK ROUNDED
110.03	0.3m FELDSPAR PORPHYRY? VEIN - WEAK
111.25	FAULT - 0.06m - HIGHLY BROKEN & GOUGY GRANODIORITE
115.52	FAULT - 0.15m - 3CM GOUGE
116.13	FAULT - 5CM WEAK
116.89	FAULT - WEAK VEIN
118.87	
123.29	D/S HIGHLY BROKEN, FRACTURES ACUTE & OFTEN FRACTURES SLICKENSIDED
125.12	
132.89	BOTTOM CONTACT STRONG FRACTURING
137.77	FAULT - WEAK
146.91	END OF HOLE

ALTERATION

FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES
23.77 PROPYLITIC FACIES	PF	N	VF	VF	VF	N	N	PL	N	VL	N
27.74 MONTMORILLONITE FACIES (SUPERGENE?)	N	N	PH	PA	PM	N	<L	N	N	VL	N
36.27 - SHARP CONTACT PROPYLITIC FACIES	PM – F	N	VL	N	VL	N	N	PL	N	VL	N
			VF	VF							
49.38 UP TO 0.15m BLEACHED BANDS			<M	VM							
50.90			VF	VL							
58.22 TRANSITIONAL			PM	>F							
60.81 MONTMORILLONITE FACIES	PL	N	PH – F	PA	PF	N	N	PL	N	<L	N
64.61 KAOLINITE FACIES (WEAK)	N	N	N – L	PF	PA	N	N	PL	N	VL	N
66.45 - 1CM VEIN - QS & QC MONTMORILLONITE FACIES	N	N	PM	PA	PF	N	N	PL	N	VL	N
67.36 PROPYLITIC FACIES	PH	PL	VF	VF	N	N	N	PL	N	N	N
70.1 MONTMORILLONITE FACIES	N	N	<A	PA	PF	VL	VL	PL	N	N	N
72.84 PROPYLITIC FACIES	H	N	PM	PL	N	N	N	>L	N	N	N
74.37 MONTMORILLONITE FACIES	PL	N	>A	PA	PF	N	N	<L	N	N	N
77.1 (1CM CA-PY VEINLET - TRACE SL) PROPYLITIC FACIES	PH	PL	PF	PL	N	N	N	>L	N	N	N
78.33 MONTMORILLONITE FACIES	N	N	PH	PM	PF	N	N	>L	N	<L	N
81.83 PROPYLITIC FACIES	PH	PL	VF	VL	N	N	N	>L	N	<L	N
92.5 MONTMORILLONITE FACIES	PF	N	>A	PH	PF	N	N	PL	N	VL	N
101.19 TRANSITIONAL PHYLLIC FACIES QS-PY VEINLETS						VM		<A			
102.87 - TRANSITIONAL KAOLINITE FACIES (WEAK?)	N	N	N	PF	PA	N	N	>L	N	N	N
105.46 KAOLINITE FACIES (STRONG	N	N	N	N	PH	N	N	VF	N	N	N
108.5 D/S INCREASING QZ VEINLETS											
109.97 SILIC FACIES	N	N	PL	PF	PM	VM	VM	>M	PF	N	N
111.25 KAOLINITE FACIES	N	N	N	PL	PA	VF	N	<F	N	N	N
112.47						N		PL			
116.62 PHYLLIC FACIES	N	N	N	N	N	PH	PM	PM	PA	N	N
118.87 - TRANSITIONAL MONTMORILLONITE FACIES	N	N	PF	PA	PM	N	N	PM	>F	N	N
133.2 - TRANSITIONAL MONTMORILLONITE FACIES (WEAK)	N	N	PL	PF	N	N	N	>M	PL	N	N
135.64			PF	PM							
137.46 0.3m SHEARED - STRONG SX MONTMORILLONITE FACIES	N	N	PF	PM	N	N	VF	<F	N	N	N
140.21 MONTMORILLONITE FACIES	N	N	<L	PM	N	N	N	<F	N	N	N
143.26 PROPYLITIC FACIES	PF	PF	PL	N	N	N	N	<F	N	N	N

SAMPLES

SAMPLE No.	FROM (m)	TO (m)	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
N31505		5.79	16	5.79			50
506	5.79	7.31	50	1.52			20
507	7.31	8.84	10	1.52			55
508	8.84	9.75	3	0.91			150
509	9.75	11.28	40	1.52			70
510	11.28	12.80	56	1.52			15
511	12.80	14.33	48	1.52			10
512	14.33	15.85	36	1.52			15
513	15.85	17.37	12	1.52			5
514	17.37	18.90	14	1.52			20
515	18.90	20.42	84	1.52			15
516	20.42	21.95	74	1.52			20
517	21.95	23.47	38	1.52			10
518	23.47	24.38	40	0.91			5
519	24.38	25.00	18	0.61			75
520	25.00	26.52	24	1.52			<5
521	26.52	28.04	26	1.52			<5
522	28.04	29.57	12	1.52			25
523	29.57	30.78	20	1.22			15
524	30.78	33.22	34	2.44			20
525	33.22	34.13	37	0.91			<5
526	34.13	35.36	62	1.22			5
527	35.36	37.64	56	2.29			5
528	37.64	38.25	75	0.61			230
529	38.25	39.93	82	1.68			<5
530	39.93	40.84	100	0.91			<5
531	40.84	41.76	50	1.22			<5
532	41.76	43.28	88	1.52			5
533	43.28	44.81	96	1.52			<5
534	44.81	46.32	96	1.52			5
535	46.32	46.63	40	0.30			<5
536	46.63	48.16	98	1.52			10
537	48.16	49.38	97	1.22			20
538	49.38	50.90	82	1.52			<5
539	50.90	52.43	90	1.52			<5
540	52.43	53.34	36	0.91			<5
541	53.34	54.86	94	1.52			<5
542	54.86	55.47	95	0.61			<5
543	55.47	57.0	90	1.52			<5
544	57.0	58.52	82	1.52			<5
545	58.52	60.05	86	1.52			<5
546	60.05	62.79	81	1.98			5
547	62.79	64.77	73	1.98			5
548	64.77	65.99	87	1.22			20
549	65.99	67.67	78	1.68			<5
N31350	67.67	69.04	87	1.37			<5
N31701	69.04	70.10	94	1.07			10
702	70.10	71.63	98	1.52			40
703	71.63	73.15	90	1.52			25
704	73.15	74.68	84	1.52			<5
705	74.68	76.35	89	1.68			<5
706	76.35	77.88	100	1.52			<5
707	77.88	79.55	87	1.68			5
708	79.55	80.47	83	0.91			40
709	80.47	81.99	92	1.52			15
710	81.99	82.91	83	0.91			<5
711	82.91	84.43	84	1.52			<5
712	84.43	85.34	57	0.91			<5
713	85.34	85.95	45	0.61			100
714	85.95	87.48	76	1.52			<5
715	87.48	89.0	84	1.52			320
716	89.0	90.53	60	1.52			370
717	90.53	92.05	80	1.52			<5
718	92.05	93.57	40	1.52			<5
719	93.57	94.79	57	1.22			<5
720	94.79	96.01	97	1.22			<5
721	96.01	97.38	78	1.37			<5
722	97.38	98.14	88	0.76			30
723	98.14	98.91	40	0.76			<5
724	98.91	99.37	60	0.46			10
N31725	99.37	100.28	63	0.91			<5
N31551	100.28	102.11	83	1.83	0.005		
552	102.11	103.63	82	1.52	0.004		
553	103.63	104.7	54	1.07	0.004		
554	104.7	106.38	71	1.68	0.004		
555	106.38	107.29	70	0.91	0.001		
556	107.29	108.81	90	1.52	0.002		
557	108.81	110.34	88	1.52	0.005		
558	110.34	111.86	92	1.52	0.007		
559	111.86	113.39	78	1.52	0.005		
560	113.39	114.91	82	1.52	0.001		
561	114.91	115.67	56	0.76	<0.001		
562	115.67	116.43	92	0.76	0.003		
563	116.43	117.96	90	1.52	0.308		
564	117.96	119.48	86	1.52	0.021		
565	119.48	121.01	82	1.52	0.019		
566	121.01	122.53	86	1.52	0.002		
567	122.53	124.05	76	1.52	0.002		
568	124.05	125.58	90	1.52	0.003		
569	125.58	127.10	92	1.52	0.001		
570	127.10	128.63	84	1.52	0.001		
571	128.63	130.15	50	1.52	<0.001		
572	130.15	131.67	56	1.52	<0.001		
573	131.67	132.89	57	1.22	0.004		
574	132.89	134.42	90	1.52	<0.001		
575	134.42	135.64	47	1.22	0.001		
576	135.64	136.25	25	0.61	<0.001		
577	136.25	137.77	70	1.52	0.008		
578	137.77	139.29	84	1.52	0.002		
579	139.29	140.82	82	1.52	<0.001		
580	140.82	142.34	96	1.52	0.001		
581	142.34	143.87	90	1.52	0.006		
582	143.87	145.39	92	1.52	<0.001		
N31583	145.39	146.91	82	1.52	<0.001		

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	
DDH85-12B	NANSEN	BROWN - McDADE	STARTED: AUGUST 12 FINISHED: AUGUST 16
COORDINATES N: 19803.2 N E: 19917.5 E	AZ: 070° EL: 1266.57 m	DIP-COLLAR: -55°E ACID DIP TEST: -55.4°E (BOTTOM)	T.D. 145.39 m LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

- P - PERVASIVE
- > - PERVASIVE > VEINLET
- < - VEINLET < PERVASIVE
- V - VEINLET
- E - ENVELOPES

AMOUNT

- N - NIL
- L - LOW TRACE
- F - FAIR
- M - MODERATE
- A - ABOVE AVERAGE
- H - HEAVY

SYMBOLS

- VEIN
- FAULT
- FAULT GOUGE
- BRECCIA
- CRACKLE BRECCIA
- CONTACT, ANGLE TO CORE AXIS
- SHEAR
- QV - QUARTZ VEINLET
- QC - CHALCEDONY
- SL - SPHALERITE
- GL - GALENA
- AS - ARSENOPYRITE
- ∡ - ANGLE TO CORE AXIS
- D/S - DOWN SECTION

inches 0 1 / centimetres 0 1 2 — This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size. YUKON GEOLOGICAL SURVEY

LITHOLOGY

DEPTH (m)	LITHOLOGY
	GRANODIORITE - DARK COLORED, MEDIUM GRAINED, 20-25% HORNBLENDE, ORTHOCLASE PHENOCRYSTS <1CM, GNEISSIC 50-60°∡; NARROW APLITE-PEGMATITE DYKES UP TO 0.1m
7.01	ALTERATION ON 30°∡ FRACTURES
	FRACTURES 5-20°∡ COMMON
13.1	— — —
20.11	— — —
	APLITE - OCC NARROW BANDS OF PEGMATITE
23.47	D/S FRACTURING INCREASING
25.76	HIGHLY DECOMPOSED 30°∡ FRACTURES COMMON
27.12	FAULT-30°∡ WEAK
	D/S FRACTURES 1-2/5CM WITH CRUMBLY ENVELOPES
30.48	D/S FRACTURING DECREASES
32.61	5mm MYLONITE-50∡
36.57	D/S OCC. <3mm MYLONITES
41.97	LEUCOCRATIC GRANODIORITE
42.43	APLITE-PEGMATITE DYKES <5CM COMMON
44.81	— —
48.15	D/S FRACTURES 0-30°∡ COMMON
51.36	D/S CRUMBLY
51.90	FAULT-20°∡
	SHEARED
53.43	— —
	FAULT-45°∡-GOUGE & CRUSHED ROCK
54.25	NO RECOVERY - DRILLERS REPORT SAND
57.0	D/S HIGHLY BROKEN OFTEN CRUMBLY
	STRONG PEGMATITE DYKING TO 60.66m
59.79	FAULT? HIGHLY BROKEN
60.66	— — —
62.17	FAULT - 5cm WHITE CLAY
64.86	— —
65.53	FELDSPAR PORPHYRY
66.14	CRUMBLY ROCK
67.66	— — —
69.2	— — — OFTEN CRUMBLY
71.32	CHILLED BRECCIATED CONTACT FELDSPAR PORPHYRY - TAN COLORED BRECCIATED - CLASTS PORPHYRY, GRANODIORITE, PEGMATITE & APLITE, FLOW TEXTURE, 10-15% FINE FELDSPAR PHENOCRYSTS IN VERY FINE GRAINED MATRIX
80.62	CONTACT LOST VEIN
81.53	CONTACT-60°∡
83.82	IRREGULAR CONTACT GRANODIORITE
90.22	CHILLED CONTACT FELDSPAR PORPHYRY - TAN COLORED BRECCIATED - CLASTS <5cm GRANODIORITE & PORPHYRY; MATRIX APHANITIC AT TOP CHANGING D/S TO VERY FINE GRAINED
95.15	MYLONITE - 1cm - 50°∡
96.16	QUARTZ-VEIN? ∡0°
96.22	GRANODIORITE - BRECCIATED
98.15	— — —
	SAND - BLACK PYRITIC
99.67	— — — CONTACT?
	FELDSPAR PORPHYRY
101.5	BLACK SAND AT CONTACT GRANODIORITE
105.16	D/S FRACTURES ~30°∡ COMMON SLICKENSIDED
111.25	— — —
	APLITE WITH <5cm PEGMATITE DYKES
115.98	— — —
	NUMEROUS <5mm SHEARS
117.65	— — —
124.36	D/S - HIGHLY FRACTURED & SHEARED
125.52	— —
	VEIN
127.41	FAULT - GOUGE & CRUSHED ROCK
127.86	CRUSHED
128.63	BRECCIATED CONTACT FELDSPAR PORPHYRY - TAN COLORED FINE FELDSPAR PHENOCRYSTS IN A MICROCRYSTALLINE MATRIX BRECCIATED AT TOP CONTACT
131.83	IRREGULAR CONTACT GRANODIORITE - <1CM, AVERAGE 5mm MYLONITES COMMON
135.03	CONTACT LOST MT NANSEN PORPHYRY - FELDSPAR AND AMPHIBOLE PHENOCRYSTS IN APHANITIC MATRIX, SHEARED & BRECCIATED AT BOTTOM CONTACT
137.92	BRECCIATED CONTACT GRANODIORITE - SHEARED, HEAVY 1-2CM MYLONITES
143.87	BASE OF MYLONITES
145.39	END OF HOLE

ALTERATION

Depth	FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES
	FRESH	PL	N	N	N	N	N	N	N	N	VL	N
7.01	KAOLINITE FACIES - SUPERGENE	N	N	N	N	<A	N	N	N	N	VA	N
13.11	TRANSITIONAL			VL	VL	VF						
14.02	FRESH - PROPYLITIC FACIES ALONG FRACTURES - 1cm ENVELOPES MAFICS ALTERED TO MONTMORILLONITE & CALCITE	PF	N	EL	EL	N	N	N	PL	N	VF	N
22.25	MONTMORILLONITE FACIES	N	N	>A	PM	VF	N	N	N	N	VL	N
23.47	PROPYLITIC FACIES	PL	N	VF	N	VF	N	N	N	N	VL	N
25.76	KAOLINITE FACIES - SUPERGENE	PL	N	N	PF	PA	N	N	N	N	VL	N
27.12	FRESH-PROPYLITIC FACIES	PL	N	VL	N	VL	N	N	PL	N	VL	N
30.48	D/S INCREASE IN CHLORITE AND CALCITE IN MAFICS	PF		<F								
51.36	KAOLINITE - SUPERGENE	N	N	PL	N	PH	N	N	N	N	VL	N
51.90	MONTMORILLONITE FACIES	N	N	>A	PA	PM	N	N	N	N	VL	N
54.25	MONTMORILLONITE - PROPYLITIC TRANSITION	PF	N	>M	PF	PL	N	N	N	N	VL	N
57.0	MONTMORILLONITE FACIES SUPERGENE?	N	N	>M	PM	PM	N	N	N	N	VL	N
59.62	KAOLINITE FACIES	N	N	PL	PL	>A	N	N	N	N	<L	N
64.86	MONTMORILLONITE FACIES < 1cm CHALCEDONY VEINLETS IN PORPHYRY	N	N	>A	PH	PF	N	N	N	N	VL	N
68.12	KAOLINITE FACIES	N	N	N	PF	PA	N	N	N	N	>L	N
71.32	KAOLINITE? FACIES (WEAK MINOR CRUST GYPSUM	N	N	N	PF	PM	N	N	PA	N	>F	N
78.63	D/S CORE BECOMES SOFTER - STRONGER ALTERATION					PH						
79.55	D/S PATCHY PERVASIVE & BLEB QUARTZ - MINOR SX							>F		PL		
80.62	SILIC FACIES - DARK & WHITE QUARTZ	N	N	N	N	N	N	>H	N	PA	>F	N
81.53	KAOLINITE FACIES	N	N	N	N	PH	N	N	PA	N	>F	N
90.37	D/S MINOR CRUST GYPSUM											
96.16	-0.46 QUARTZ - NO SULPHIDES											
98.15	MONTMORILLONITE FACIES	N	N	PH	PH	PL	N	N	PH	N	N	N
101.5		PL	N	<F	PA	PF	N	N	PL	N	<L	N
105.16	STRONGER ALTERATION ALONG SHEARS	PF	PL	>F	PM	PF	N	N	>F	N	<L	N
110.64	KAOLINITE FACIES QUARTZ-PYRITE VEINLETS UP TO 2cm QUARTZ VEINLETS <2mm, MINOR FRACTURE GYPSUM	N	N	N	N	PA	EL	VF	<F	N	N	N
115.36	MONTMORILLONITE FACIES	N	N	<F	PM	PF	N	VL	>F	N	>L	N
117.65	KAOLINITE FACIES MINOR CRACK GYPSUM	N	N	N	PL	PA	N	VF	>F	N	>L	
119.17	-0.6m TRACE SPHALERITE IN PYRITE VEINLETS; QC TO 5mm FAIR PERVASIVE QUARTZ											
122.07	D/S INCREASING QUARTZ- & CHALCEDONY VEINLETS WITH SX							≥M	<M			
125.52	SILIC FACIES - QUARTZ STRONGEST AT TOP & BOTTOM CONTACTS	N	N	N	PL	PF	PF	PA	PF	PF	N	N
127.41	KAOLINITE FACIES	N	N	N	PF	PM	N	N	<M	N	N	N
128.63	QZ & GY VEINLETS IN BRECCIATED PORPHYRY											
131.83	D/S TRANSITIONAL	N	N	PL	PF	N	N	VL	PL	N	<L	N
133.20	PROPYLITIC FACIES	PA	PF	VF	N	N	N	N	<F	N	<L	N
134.72	TRANSITIONAL											
135.92	KAOLINITE FACIES											
137.92	PROPYLITIC FACIES	VM	PF	VF	N	N	N	N	<F	N	N	N
141.73	KAOLINITE FACIES	N	N	PL	PF	PM	N	N	PL	N	<L	N
142.95	MONTMORILLONITE FACIES	N	N	<M	PA	PF	N	N	PL	N	<L	N

SAMPLES

SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au	Block depth below sample (m)
N31649	08	3.96			<05	3.96
650	100	1.52			<5	5.49
651	100	1.52			5	7.01
652	67	0.92			<5	7.92
653	100	1.68			20	9.60
654	100	1.52			180	11.13
655	100	1.07			45	12.19
656	100	1.07			5	13.11
657	100	0.61			5	13.72
658	65	1.22			<5	14.92
659	100	0.61			<5	15.54
660	50	1.52			<5	17.07
661	94	1.52			<5	18.59
662	20	1.52			<5	20.12
663	70	1.22			<5	21.34
664	100	0.61			<5	21.95
665	100	1.52			<6	23.47
666	100	1.22			5	24.69
667	77	0.91			<5	25.60
668	90	0.61			55	26.21
669	100	1.52			<5	27.74
670	100	1.07			<5	28.80
671	89	1.07			<5	29.87
672	100	1.22			5	31.09
673	100	1.22			<5	32.31
674	100	1.52			50	33.83
675	100	1.52			40	35.36
676	100	1.52			30	36.88
677	100	1.52			5	38.40
678	100	1.52			10	39.93
679	100	1.52			<5	41.45
680	100	1.52			<5	42.98
681	100	0.91			5	43.89
682	90	1.52			5	45.52
683	100	0.91			<5	46.33
684	100	1.52			<5	47.85
685	88	1.52			60	49.38
686	100	1.52			<5	50.90
687	40	1.52			<5	52.43
688	100	1.52			10	53.95
689	80	1.52			<5	55.17
690	0	1.83			5	57.0
691	20	1.52			5	58.52
692	95	0.61			<5	59.13
693	100	0.61			<5	59.74
694	90	0.61			<5	60.35
N31695	38	1.22			<5	61.57
N31584	83	0.91	<0.001			62.84
585	100	0.31	0.001			63.40
586	77	0.31	<0.001			64.31
587	84	1.52	0.001			65.84
588	90	1.52	<0.001			67.36
589	96	1.52	<0.001			68.88
590	100	0.30	<0.001			69.19
591	80	1.52	0.001			70.71
592	100	0.91	0.001			71.62
593	100	1.52	0.002			73.15
594	80	0.30	0.001			73.46
N31595	100	1.52	0.001			74.98
N31648	100	1.52	0.001			76.50
N31596	80	1.52	0.042			78.03
597	100	1.52	0.092			79.55
598	100	1.07	0.048			80.62
599	100	1.52	0.083			82.14
600	100	0.76	0.007			82.91
601	100	1.52	0.002			84.43
602	100	1.52	0.001			85.96
603	100	1.52	0.002			87.48
604	80	1.52	0.001			89.00
605	90	1.52	<0.001			90.53
606	84	1.52	0.001			92.05
607	90	1.52	0.001			93.57
608	100	1.52	0.001			95.10
609	100	1.52	0.001			96.62
610	100	1.52	0.001			98.15
611	20	1.52	0.224			99.67
612	37	1.52	0.009			101.5
613	84	1.52	<0.001			103.02
614	100	1.22	<0.001			104.24
615	100	1.52	<0.001			105.76
616	88	1.22	0.001			106.98
617	90	1.52	0.001			108.51
618	90	1.52	0.001			110.03
619	100	1.22	0.001			111.25
620	100	1.22	0.001			112.47
621	100	1.52	<0.001			114.0
622	100	1.52	0.008			115.52
623	100	0.91	0.004			116.43
624	100	1.52	0.001			117.96
625	90	1.52	0.002			119.48
626	100	1.52	<0.001			121.01
627	100	1.52	<0.001			122.53
628	100	1.52	0.025			124.05
629	100	1.52	0.005			125.58
630	100	0.91	0.001			126.49
631	100	0.91	0.006			127.41
632	100	1.52	0.008			128.93
633	73	0.91	0.012			129.84
634	13	0.91	0.001			130.76
635	100	1.22	0.001			131.67
636	100	1.52	0.001			133.2
637	100	1.52	0.001			134.72
638	100	0.61	0.001			[illegible]
639	100	0.61	<0.001			135.94
640	100	0.61	0.017			136.55
641	25	0.61	0.002			137.16
642	100	1.07	0.002			138.23
643	100	1.52	0.001			139.75
644	86	1.07	0.001			140.82
645	100	1.52	0.001			142.34
646	100	1.52	0.001			143.87
N3647	100	1.52	<0.001			145.39

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : AUGUST 28
DDH85-16	NANSEN	BROWN-McDADE EXT.	FINISHED : AUGUST 30
COORDINATES N: 20,154.9 N E: 19,874.7 E	AZ: 070° EL: 1266.01 m	DIP-COLLAR: -50°E ACID DIP TEST: -52°E (BOTTOM)	T.D. 63.40 m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

- P – PERVASIVE
- > – PERVASIVE > VEINLET
- < – VEINLET < PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
- F – FAIR
- M – MODERATE
- A – ABOVE AVERAGE
- H – HEAVY

SYMBOLS

- – VEIN
- – FAULT
- – FAULT GOUGE
- △ – BRECCIA
- – CRACKLE BRECCIA
- 75° – CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- 4 – ANGLE TO CORE AXIS
- D/S – DOWN SECTION

inches 0 1 — 0 1 2 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

DEPTH (m)	VISUAL LOG	LITHOLOGY	FACIES	ALTERATION: CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
	+	GRANODIORITE - 10-15% HORNBLENDE POIKOUTIC ORTHOCLASE PHENOCRYSTS UP TO 1.5 CM. CUT BY NARROW PEGMATITE DYKES	KA FACIES (SUPERGENE) MINOR QV±QC TO 3CM	N	N	N	N	PH	VF	VF	N	N	VL	N	N31727	23	2.13	0.001	<0.01	
															728	50	2.13 0.91	0.001	<0.01	
			3.35 TRN CNT PR FACIES												729	60	3.05 3.66 0.61	0.002	<0.01	
4.72		CNT LOST - CHILLED FELDSPAR PORPHYRY - MINOR FLOW BANDING	4.72 TRN CNT MM FACIES	PM	N	PL	PF	N	N	N	N	N	VL	N	730	60	1.52	0.001	<0.01	
				N	N	PA	PM	VF	N	N	N	N	PL	VF	731	76	5.18 6.10 0.91	0.001	<0.01	
6.86		APPROX CNT - CHILLED GRANODIORITE - BRECCIATED	6.86 TRN KA FACIES	N	N	N	N	PH	N	N	N	N	<L	N	732	8	7.62 1.52	0.001	<0.01	
~8.99		CHILLED CNT	8.99 TRN MONTMORILLONITE FACIES D/S INCREASING SUPERGENE	N	N	PH→N	PA→F	N→PA	N	N	N	N	PL	NF	733	44	1.52	0.001	<0.01	
		FELDSPAR PORPHYRY - TAN TO DARK BROWN; UPTO 5 mm FELDSPAR MINOR QUARTZ PHENOCRYSTS IN A VERY FINE GRAINED QUARTZ-FELDSPAR MATRIX;													734	100	9.14 9.75 0.61	0.001	<0.01	
															735	100	0.91	<0.001	<0.01	
															736	90	10.67 11.28 0.61	0.001	<0.01	
			12.19								PL				737	94	1.52	<0.001	<0.01	
															738	67	12.80 13.72 0.91	0.002	<0.01	
															739	67	0.91	<0.001	<0.01	
			15.84												740	100	14.63 15.85 1.22	0.002	<0.01	
16.46		D/S FELDSPAR PHENOCRYST NOT COMMON	16.45		PF	PM	N								741	100	1.52	<0.001	<0.01	
					PL	PF	PA								742	100	17.37 1.22	0.001	<0.01	
															743	100	18.59 19.20 0.61	0.002	<0.01	
20.11		VEIN - 0.1m	SILIC - <1cm QZ												744	100	19.96 0.76	0.001	<0.01	
20.42		CNT LOST - CHILLED GRANODIORITE - HIGHLY BROKEN OFTEN CRUMBLY	20.42 KAOLINITE FACIES-SUPERGENE	N	N	PL	PL	VH	N	N	N	N	VF	N	745	100	20.42 0.46	0.001	<0.01	
															746	68	21.80 0.76	<0.001	<0.01	
															747	84	21.95 0.76	0.001	<0.01	
23.32		D/S CORE BECOMES COMPETENT	23.32												748	100	1.52	<0.001	<0.01	
24.38		D/S - STRONG CRACK FRACTURING	24.38 PROPYLITIC FACIES	PF	N	PL	PF	VL	N	N	PF	N	VL	N	749	100	23.47 24.10 0.61	<0.001	<0.01	
			MONTMORILLONITE FACIES STRONG SUPERGENE	N	N	>H	PA	VA	N	VL	PL	N	<F	N	750	100	1.52	0.002	<0.01	
															751	100	25.60 26.52 0.91	0.001	0.01	
															752	100	1.52	0.001	<0.01	
															753	89	28.04 1.37	<0.001	<0.01	
28.41		VEIN - 0.15m; 60°	29.41 - SILIC FACIES 0.15m												754	86	29.41 30.48 1.07	0.001	0.01	
		SHEAR ZONE - to 34.14 m													755	90	0.61	<0.001	<0.01	
30.78			30.78												756	98	31.09 32.61 1.52	0.001	<0.01	
31.09		FELDSPAR PORPHYRY - 0.3m SHEAR ZONE - WIDELY SPACED SHEARED PYRITE VEINLETS									N	PL		VL	757	100	1.52	<0.001	0.05	
34.14			34.14 MINOR <1cm QZ VEINLETS & PYRITE VEINLETS												758	100	34.14 35.66 1.52	<0.001	0.01	
35.51		D/S - FRC 0-45° & COMMON, SLICKENSIDED IN PLACES SHEARED	35.15								VF	<F			759	100	1.22	0.005	0.07	
											N				760	100	36.88 37.80 0.91	0.001	0.03	
			38.1 PROPYLITIC FACIES	PL	N	<F	PL	N	N	N	PF	N	N	N	761	93	38.71 0.91	0.001	<0.01	
						M	M								762	100	1.22	0.001	<0.01	
40.81		VEIN - 0.3m FELDSPAR PORPHYRY BLEACHED <10% TO 2 mm FELDSPAR PHENOCRYSTS	40.81 - SILIC FACIES - 2% PY 1SX MONTMORILLONITE FACIES	N	N	PA	PA	PF	N	N	PF	N	PL	N	763	93	39.93 1.22	0.001	<0.01	
															764	95	41.15 41.76 0.61	0.001	<0.01	
															765	100	0.91	0.001	<0.01	
43.28		D/S BR - UP TO 4CM CLASTS, STRONG FRACTURING	43.28 D/S INCREASING ALTERATION			PH		PM		VL	ZF				766	100	42.67 43.28 0.61	<0.001	<0.05	
															767	40	1.52	0.001	0.08	
45.72		CNT LOST GRANODIORITE - STRONG FRC - 0-10°													768	100	44.81 1.52	<0.001	0.17	
															769	100	46.33 47.24 0.91	0.001	0.05	
															770	100	1.52	0.001	0.03	
															771	86	48.77 1.52	0.001	0.03	
															772	84	50.29 1.52	0.001	0.04	
52.27		SHEAR ZONE - 0.27m - BANDS TO 3CM, BR GRANODIORITE WITH GRAPHITE-PYRITE AV. 70°													773	100	51.82 0.91	0.008	0.07	
53.03		FAULT ZONE - BR, GRAPHITE-CHLORITE SHEARS 50°-70°													774	93	52.73 53.64 0.91	0.005	0.09	
54.10			54.10 PROPYLITIC - MONTMORILLONITE FACIES PY - Q2 VEINLETS COMMON DECREASING D/S	PM	N	PF	<F	N	N	VF	<F	N	N	N	775	98	1.22	0.003	0.10	
															776	100	54.86 56.39 1.52	0.006	0.11	
															777	100	1.52	<0.001	0.03	
															778	100	57.91 1.52	0.001	0.03	
60.27		VEIN - 2cm - 80° & 2cm QZ±PY													779	100	59.44 60.04 0.61	<0.001	0.03	
															780	100	1.52	0.006	0.05	
															781	98	61.57 1.22	0.009	0.06	
63.40		END OF HOLE	62.48	PF											N31782	100	62.79 63.40 0.61	0.001	0.01	

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED: AUGUST 31 / FINISHED: SEPT 3
DDH 85-17	NANSEN	BROWN - McDADE EXTN	
COORDINATES N: 20226.6 N E: 19,793.2 E	AZ: 070° EL: 1273.89 m	DIP-COLLAR: -50°E ACID DIP TEST: -50.7°E (BOTTOM)	T.D. 92.66 m LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

P - PERVASIVE
>- PERVASIVE > VEINLET
<- VEINLET < PERVASIVE
V - VEINLET
E - ENVELOPES

AMOUNT

N - NIL
L - LOW TRACE
F - FAIR
M - MODERATE
A - ABOVE AVERAGE
H - HEAVY

SYMBOLS

- VEIN
- FAULT
- FAULT GOUGE
- △ - BRECCIA
- CRACKLE BRECCIA
- 35° CONTACT, ANGLE TO CORE AXIS
- ≈ - SHEAR
- QV - QUARTZ VEINLET
- QC - CHALCEDONY
- SL - SPHALERITE
- GL - GALENA
- AS - ARSENOPYRITE
- ∡ - ANGLE TO CORE AXIS
- D/S - DOWN SECTION

LITHOLOGY

DEPTH (m)	LITHOLOGY
	GRANODIORITE - CUT BY NARROW APLITE AND PEGMATITE DYKES; CORE DECOMPOSED
5.18	GRANODIORITE - FINE-MED GRAINED <10% HORNBLENDE, UP TO 2CM POIKOLITIC ORTHOCLASE PHENOCRYSTS
7.92	------ HIGHLY BROKEN, STRONG FRACTURING
9.91	FAULT? ---
11.49	D/S INCREASED FRACTURING
14.02	VEIN - 0.3m? - LARGE CORE LOSS
15.54	D/S HIGHLY BROKEN
17.68	FAULT ZONE - WEAK
18.59	
18.89	FAULT ZONE - CRUSHED ROCK IN GOUGE
19.50	
20.42	FAULT - 70°∡ 5CM GOUGE
22.56	CONTACT LOST; MT NANSEN PORPHYRY - TAN COLORED FELDSPAR & MAFIC PHENOCRYSTS FLOW BANDED
24.69	CONTACT LOST; GRANODIORITE
26.27	CONTACT LOST; MT NANSEN PORPHYRY - AS ABOVE
27.74	CONTACT LOST; GRANODIORITE
28.96	FAULT - WEAK
30.9	VEIN - 1cm 30°∡ QUARTZ WITH SX
31.09	
31.7	MT NANSEN PORPHYRY - STRONG MG
32.3	WEAK GOUGE; VEIN ZONE
33.83	CONTACT - 50°∡
34.59	CONTACT LOST; MT NANSEN PORPHYRY - LIGHT GRAY, BLEACHED & ALTERED, STRONGLY FRACTURED, IN PLACES BRECCIATED
38.56	
39.17	CHILLED, STRONG MAGNETITE
39.62	VEIN - 0.15m
41.45	CONTACT SHEARED; GRANODIORITE - MEDIUM COLORED 5-10% HORNBLENDE, PHENOCRYSTS <2cm ORTHOCLASE, APLITE DYKES
49.22	FAULT - 0.15m; VEIN ZONE
50.29	
54.71	SHARP IRREGULAR CONTACT; MT NANSEN PORPHYRY - DARK GREEN ABUNDANT FELDSPAR & HORNBLENDE PHENOCRYSTS
58.82	D/S STRONG MAGNETITE
	HIGLY ALTERED AT CONTACT
64.77	CONTACT - 70°∡?; GRANODIORITE - BRECCIATED TO 65.68m
65.68	D/S STRONG CRACK FRACTURING
67.67	SHEARED AND BRECCIATED; SHEARS 70°∡
69.28	WEAK FRACTURING, INCREASING D/S
70.86	--- BRECCIATED - <5CM CLASTS PYRITIC SHEARS - 70-85°∡
74.37	--- FAULT - MAIN BREAK; HIGHLY CRUSHED
76.81	--- MODERATE FRACTURING
78.94	FAULT ZONE - CRUSHED BROKEN SHEARED
79.61	
79.86	FAULT - 0.27m CRUSHED
81.13	FAULT - 0.15 GOUGE & CRUSHED ROCK
81.68	FAULT - CRUSHED ROCK, GOUGE AT BOTTOM
82.30	VEIN
82.94	
92.66	END OF HOLE

ALTERATION

FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES
KAOLINITE FACIES (SUPERGENE)	N	N	N	N	PH	N	N	N	N	<L	N
5.18 - PROPYLITIC FACIES	PA	N	N	N	VF	N	N	N	N	VL	VL
7.92 - KAOLINITE FACIES (SUPERGENE)	N	N	N	N	PH	N	N	N	N	VL	VF
9.91 - PROPYLITIC FACIES (SUPERGENE OVERPRINT)	N	N	N	N	VF	N	N	N	N	VL	VF
12.04 - D/S INCREASING ALTERATION			PL	PL			VF	PL			VM / VL
14.02 0.3m SILIC FACIES	N	N	N	N	N	N	PH	PA	PF	N	N
MONTMORILLONITE FACIES	N	N	PL	PM	VL	N	N	PL	N	VL	VL
16.15 - KAOLINITE FACIES (SUPERGENE)	N	N	N	N	PA	N	N	N	N	<F	N
20.11 - BASE SUPERGENE? INCREASING ALTERATION D/S TRANSITIONAL FACIES			PL	PF	VA					VM	
22.56 - MONTMORILLONITE FACIES	N	N	>F	PF	PF	N	VL	PL		PL	N
24.69 - MONTMORILLONITE FACIES	N	N	<F	PF	PF	N	N	PL		>L	N
27.74 - D/S NARROW BANDS PROPYLITIC ALTERATION	PF		<L		VL			<L		>F	N
29.41 - KAOLINITE FACIES (SUPERGENE)	N	N	N	N	<H	N	N	N	N	PL	N
30.32 - MONTMORILLONITE FACIES, INCREASING KAOLINITE D/S	N	N	PH ↓ N	PM ↓ PL	PF ↓ PH	N	N	<L	N	PL	N
32.3 - SILIC FACIES - 5CM BAND PYRITE WITH SPHALERITE, MINOR GL	N	N	N	N	N	PF	PH	PL	PF	N	N
33.83 - PHYLLIC FACIES	N	N	N	N	VL	PM	PF	<F	N	VL	N
34.29 - MONTMORILLONITE FACIES	N	N	PH ↓ L	PF	VL	N	N	PF	N	VF	
			PA	PA	PF						
SILICA FACIES - 0.15m QUARTZ, SX & CL			PM	PM	PA						
41.45 - PROPYLITIC FACIES	F	N	<F	VF	N	N	N	PF	N	N	N
47.7 - MONTMORILLONITE FACIES	N	N	>M	PH	PM	N	N	<F	N	PL	N
49.22 - PHYLLIC FACIES - PATCHY	N	N	VF	N	N	PA	VF	<L	N	N	N
50.29 - MONTMORILLONITE FACIES	N	N	>M	PH	PM	N	N	<F	N	PL	N
51.51 - MONTMORILLONITE FACIES	N	N	PH ↓ M	PM	PA	N	VL	<L	N	N	
54.71 - PROPYLITIC FACIES	PN ↓ F	N	VF	PF	N	N	N	PF	N	<L	
64.77 - MONTMORILLONITE FACIES	N	N	>H	PH	PA	N	N	PL	N	<L	N
65.68 - PROPYLITIC FACIES	PL	N	VF	VF	N	N	N	PF	N	N	N
67.67 - KAOLINITE FACIES	N	N	PL	PF	PH	N	N	PA	N	N	N
69.28 - MONTMORILLONITE FACIES	N	N	<F	PF	N	N	VL	>F	N	N	N
70.86 - KAOLINITE FACIES - (POSSIBLE STRONG MONTMORILLONITE)	N	N	PH	PM	PA	N	N	<F	N	VL	
74.37 - MONTMORILLONITE FACIES - WEAK	PL	N	PM ↓ L	PM	PL	N	N	>L	N	N	N
76.81 - PROPYLITIC FACIES	PF	N	N	PL	N	N	N	PL	N	N	N
78.94 - MONTMORILLONITE FACIES	PL	N	PM	PF	VH	N	N	N	N	N	N
82.05 - SILIC FACIES	N	N	N	N	VF	PA	VF	<F	<F	<L	N
82.94 - PHYLLIC FACIES	N	N	N	N	PF	VH ↓ F	N	<F	<F	N	N
84.12 - PROPYLITIC FACIES	PM	N	VF	VF	N	N	N	<F	N	N	N
87.17 - D/S <1cm BLEACHED - MM + CA - PY VEINLETS											

SAMPLES

SAMPLE No.	DEPTH (m)	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au	ppm Ag
N31783	– 3.05	10	3.05	< 0.001	<0.01		
784	3.05 – 4.57	80	1.52	<0.001	<0.01		
785	4.57 – 5.18	75	0.61	<0.001	<0.01		
786	5.18 – 5.79	100	0.61	<0.001	<0.01		
787	5.79 – 6.71	93	0.91	<0.001	<0.01		
788	6.71 – 7.16	93	0.46	<0.001	<0.01		
789	7.16 – 7.47	80	0.30	<0.001	<0.01		
790	7.47 – 7.77	100	0.30	<0.001	<0.01		
791	7.77 – 8.53	100	0.76	<0.001	<0.01		
792	8.53 – 9.75	50	1.22	<0.001	<0.01		
793	9.75 – 10.97	70	1.22	0.002	<0.01		
794	10.97 – 12.19	95	1.22	0.002	<0.01		
795	12.19 – 13.11	33	0.91	0.011	0.75		
796	13.11 – 14.02	27	0.91	0.048	1.93		
797	14.02 – 15.24	38	1.22	0.027	1.15		
798	15.24 – 16.31	80	1.07	<0.001	0.03		
799	16.31 – 17.37	57	1.07	<0.001	<0.01		
800	17.37 – 18.59	50	1.22	<0.001	<0.01		
801	18.59 – 19.51	70	0.91	<0.001	<0.01		
802	19.51 – 20.42	63	0.91	<0.001	<0.01		
803	20.42 – 21.64	95	1.22	<0.001	<0.01		
804	21.64 – 23.16	98	1.52	<0.001	<0.01		
805	23.16 – 24.08	97	0.91	<0.001	<0.01		
806	24.08 – 24.99	97	0.91	<0.001	0.07		
807	24.99 – 26.52	100	1.52	<0.001	0.01		
808	26.52 – 27.13	100	0.61	<0.001	<0.01		
809	27.13 – 28.04	77	0.91	<0.001	<0.01		
810	28.04 – 28.65	100	0.61	<0.001	<0.01		
811	28.65 – 28.95	80	0.30	<0.001	<0.01		
812	28.95 – 29.72	80	0.76	<0.001	<0.01		
813	29.72 – 30.48	96	0.76	<0.001	<0.01		
814	30.48 – 31.39	87	0.91	<0.001	0.01		
815	31.39 – 31.69	100	0.30	<0.001	0.01		
816	31.69 – 32.46	100		<0.001	<0.01		
817	32.46 – 33.22	92	0.76	0.09	1.34		
818	33.22 – 34.44	78	1.22	0.03	0.54		
819	34.44 – 36.12	78	1.68	0.003	0.11		
820	36.12 – 36.88	76	0.91	0.004	0.05		
821	36.88 – 38.1	95	1.22	0.001	0.01		
822	38.1 – 39.32	100	1.22	<0.001	0.03		
823	39.32 – 40.52	88	1.22	0.001	0.05		
824	40.52 – 41.45	67	0.91	0.001	0.03		
825	41.45 – 42.37	100	0.91	<0.001	0.01		
826	42.37 – 43.13	80	0.76	0.001	0.01		
827	43.13 – 44.65	98	1.52	<0.001	<0.01		
828	44.65 – 45.72	77	1.07	<0.001	<0.01		
829	45.72 – 46.33	100	0.61	<0.001	<0.01		
830	46.33 – 46.94	90	0.61	<0.001	<0.01		
831	46.94 – 47.55	100	0.61	<0.001	<0.01		
832	47.55 – 49.38	83	1.83	0.001	0.01		
833	49.38 – 50.91	90	1.52	<0.001	0.01		
834	50.91 – 52.43	88	1.52	<0.001	0.01		
835	52.43 – 53.34	100	0.91	<0.001	0.01		
836	53.34 – 54.71	89	1.37	<0.001	0.03		
837	54.71 – 55.47	100	0.76			<1	0.3
838	55.47 – 57.0	70	1.52			<1	0.3
839	57.0 – 58.52	100	1.52			<1	0.2
840	58.52 – 59.44	93	0.91			<1	0.3
841	59.44 – 60.96	100	1.52			3	0.3
842	60.96 – 62.48	100	1.52			1	0.2
843	62.48 – 64.01	100	1.52			<1	0.3
844	64.01 – 65.68	91	1.68	0.004	0.09		
845	65.68 – 66.14	65	0.46	<0.001	0.01		
846	66.14 – 67.67	100	1.52	<0.001	0.01		
847	67.67 – 69.19	100	1.52	0.015	0.04		
848	69.19 – 70.71	96	1.52	<0.001	0.05		
849	70.71 – 72.24	78	1.52	0.001	0.17		
850	72.24 – 73.76	100	1.52	0.008	0.03		
851	73.76 – 75.29	100	1.52	0.002	0.03		
852	75.29 – 76.2	100	0.91	<0.001	<0.01		
853	76.2 – 77.72	100	1.52	<0.001	<0.01		
854	77.72 – 78.33	100	0.61	<0.001	0.01		
855	78.33 – 79.55	100	1.22	0.001	0.07		
856	79.55 – 80.01	87	0.46	0.001	0.05		
857	80.01 – 81.08	94	1.07	0.001	0.07		
858	81.08 – 82.60	100	1.52	0.041	0.09		
859	82.60 – 83.21	75	0.61	0.013	0.15		
860	83.21 – 84.43	100	1.22			96	0.8
861	84.43 – 85.65	100	1.22			14	0.5
862	85.65 – 87.17	100	1.52			15	0.06
863	87.17 – 88.39	100	1.22			16	0.04
864	88.39 – 89.92	100	1.52			25	0.5
865	89.92 – 91.44	100	1.52			26	1.1
N31866	91.44 – 92.66	100	1.22			31	0.05

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED: SEPT 3 / FINISHED: SEPT 7
DDH 85-18	NANSEN	BROWN-McDADE EXTEN.	
COORDINATES N: 20,288.5N E: 19,692.8E	AZ: 070° EL: 1287.77m	DIP-COLLAR: -50°E ACID DIP TEST: -50°E (BOTTOM)	T.D. 117.35 m / LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

- P - PERVASIVE
- >- PERVASIVE > VEINLET
- <- VEINLET < PERVASIVE
- V - VEINLET
- E - ENVELOPES

AMOUNT

- N - NIL
- L - LOW TRACE
- F - FAIR
- M - MODERATE
- A - ABOVE AVERAGE
- H - HEAVY

SYMBOLS

- VEIN
- FAULT
- FAULT GOUGE
- △ - BRECCIA
- ∠ - CRACKLE BRECCIA
- 35∡ - CONTACT, ANGLE TO CORE AXIS
- ≈ - SHEAR
- QV - QUARTZ VEINLET
- QC - CHALCEDONY
- SL - SPHALERITE
- GL - GALENA
- AS - ARSENOPYRITE
- ∡ - ANGLE TO CORE AXIS
- D/S - DOWN SECTION

LITHOLOGY

DEPTH (m)	LITHOLOGY
	GRANODIORITE - CRUMBLY TO FINE FRAGMENTS - WEATHERING
6.4	MT NANSEN PORPHYRY - BRECCIATED
6.86	GRANODIORITE
7.77	CONTACT 45° CHILLED. MT NANSEN PORPHYRY - 3-5% PYROXENE PHENOCRYSTS IN A DARK GRAY MATRIX, STRONG MAGNETITE; FLOW BANDED BOTTOM CONTACT
10.21	GRANODIORITE - APLITE & PEGMATITE DYKES COMMON
24.69	CONTACT 60°∡. FELDSPAR PORPHYRY - <2mm FELDSPAR PHENOCRYSTS IN A TAN COLORED MATRIX
28.04	CONTACT - 16°∡? CRACKLE BRECCIA
29.26	GRANODIORITE - POIKOLITIC ORTHOCLASE PHENOCRYSTS TO 2cm COMMON
34.44	D/S HIGHLY FRACTURED
35.51	CONTACT LOST. MT NANSEN PORPHYRY - HIGHLY ALTERED, MAFIC PHENOCRYSTS? DARK GRAY COLOR, DISSEMINATED MAGNETITE; HEAVY FINE FRACTURING
37.49	GRANODIORITE - STRONG FRACTURED & SHEARED
39.92	MT NANSEN(?) PORPHYRY - INTENSE CRACKLED, DECOMPOSED TO SAND
40.84	
41.45	GRANODIORITE - STRONG SHEARED & CRACKLE FRACTURING. VEIN - 0.15m
46.32	PORPHYRY DYKE - 5cm 20∡
47.24	CRUMBLY - FAULT ZONE?
47.83	HIGHLY BROKEN OFTEN CRUMBLY CORE
54.56	— —
57.91	FAULT ZONE - SHEARED & BRECCIATED
58.52	
59.29	D/S INCREASING FRACTURING
60.66	MN NANSEN PORPHYRY - TAN COLORED FINE BRECCIA AT CONTACTS, OFTEN SHEARED, STRONG ALTERED
62.85	GRANODIORITE - NUMEROUS SHEARS & MYLONITES
67.06	D/S SHEARS & MYLONITES DECREASE
67.67	MT NANSEN PORPHYRY - TAN COLORED, VERY FINE BRECCIA, UP TO 0.15m CLASTS GRANODIORITE
70.10	GRANODIORITE - CRUSHED AND BROKEN ADJACENT TO PORPHYRY
72.08	MT NANSEN PORPHYRY - LIGHT-MEDIUM BROWN, BRECCIATED AND CRUSHED, CLASTS <1mm - 1cm ANGULAR TO ROUNDED
75.29	GRANODIORITE
80.31	D/S STRONG FRACTURING
80.95	CONTACT 35°∡. VEIN
81.81	5cm GOUGE 55°∡. GRANODIORITE - STRONGLY FRACTURED
83.51	FAULT - <2cm GOUGE. D/S - IN PLACES LOOKS SHEARED
86.41	TRANSITIONAL. VEIN
87.33	CONTACT LOST. MT NANSEN PORPHYRY - DARK GREEN APHANITIC - GLASSY WITH VERY FINE ALTERED PHENOCRYSTS
89.3	CONTACT LOST. GRANODIORITE - APLITE & PEGMATITE DYKES COMMON
91.20	CONTACT 60°∡. MT NANSEN PORPHYRY -
91.68	CONTACT 15° - FAULTED?
92.42	MT NANSEN PORPHYRY - 0.3m - 55°∡. GRANODIORITE
96.26	CONTACT 50°∡. MT NANSEN PORPHYRY - DARK GREEN TRACHYTIC - 40% PYROXENE PHENOCRYSTS, MAGNETIC
100.13	CONTACT - 60°∡. GRANODIORITE - DARK COLORED, FOLIATED, ORTHOCLASE PHENOCRYSTS ABSENT, NARROW LEUCOCRATIC BANDS, OCCASIONAL SHEARS.
113.09	FAULT ZONE - HIGHLY BROKEN, 5cm GOUGE AT BOTTOM CONTACT
113.84	
116.74	VEIN - 5cm
116.88	FAULT - 50°∡ GOUGE & CRUSHED ROCK
117.35	END OF HOLE

ALTERATION

FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES
KAOLINITE FACIES - SUPERGENE	N	N	N	N	PM	N	N	N	N	PL	>F
6.4 - 0.4m RARE QUARTZ VEINING							<L	PL			PH
							N	N			>F
8.44 PROPYLITIC FACIES	PL	N	PA	PL	<L	N	N	N	N	>L	>L
10.06 MONTMORILLONITE FACIES	N	N	>M	PA	VM	N	VL	N	N	VL	VL
13.87			>F	PL	VF					VF	
17.98			>A	PM	<M		VF			VL	
23.47 KAOLINITE FACIES	N	N	N	N	PH	N	N	PA	N	PL	N
24.69 MONTMORILLONITE FACIES	N	N	<H	PM	<F	N	N	PA	N	PL	N
28.04 KAOLINITE FACIES	N	N	N	N	PM	N	N	PA	N	PL	N
29.26 MONTMORILLONITE FACIES	N	N	>F	PM	PL	N	VL	N	N	PL	N
34.44 - D/S INCREASING KAOLINITE?											
35.51 MONTMORILLONITE FACIES	N	N	PL	VF	VL	N	N	PM	N	>L	N
37.49			VL					N		N	
40.84											
41.45 - VEIN - MODERATE QZ & SX			VF					PL		>L	
47.24			PA	PM	PF					>F	
48.46 D/S STRONG SUPERGENE			PL	VF	VA					>L	
54.56 PROPYLITIC FACIES	PL	N	VL	PL	PA	N	N	PL	N	>L	N
56.4 MONTMORILLONITE FACIES	N	N	>L	PA	N	N	N	PL	N	>L	N
60.66 QV & QC <2mm VEINLETS ASSOCIATED WITH CALCITE VEINLETS			<H	>H	>F		VF				
62.85 KAOLINITE FACIES	N	N	VL ↓ N	PF	PA	N	N	PL	N	N	N
67.67 MONTMORILLONITE FACIES	N	N	>M	PA	PF	N	VL	>L	N	VL	N
70.1			>H	PA	PM						
71.32 / 71.78			>M				>F				
73.61 KAOLINITE FACIES	N	N	N	PL	PH	N	N	PF	N	<F ↓ L	
75.29 MONTMORILLONITE FACIES	N	N	>L	PL	N	N	VL	<F	N	<L	N
78.13			VF	PM			VL	<F			
80.95 SILIC - PHYLLIC - COARSE AS & PY; 81.81 - MINOR GL	N	N	N	N	PL	PF	PA	>A	>M	N	N
MONTMORILLONITE FACIES	N	N	VF	PM	N	N	VL	<F	N	<L	N
86.41 SILIC FACIES 3-5% AS & PY	N	N	N	N	PF	PF	PA	PA	PA	<L	N
87.33 MONTMORILLONITE FACIES	N	N	VF	PL	N	N	N	PF	N	N	N
89.3 PROPYLITIC FACIES	PF	N	N	N	N	N	N	PF	N	N	N
91.2 MONTMORILLONITE FACIES	N	N	<L	PF	N	N	VL	>L	N	N	N
91.68 PROPYLITIC FACIES	PM	PL	VL	PL	N	N	N	DL	N	N	N
96.26	PL	N	VM	N				VF		<L	N
100.13	PF		VF ↓ L	PF				<L		N	
104.24				VL							
109.73				VF							
113.84 KAOLINITE FACIES	N	N	N	PF	PA	N	N	PL	N	PL	N
114.67 MONTMORILLONITE FACIES	N	N	>M	PL	N	N	N	PL	N	N	N
116.74 - QUARTZ - MINOR PYRITE											

SAMPLES

SAMPLE No.	DEPTH (m)	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
N31867	–2.13	11	2.13	0.01	070	
868	2.13–3.05	67	0.91	0.002	0.01	
869	3.05–4.27	20	1.22	0.001	<0.01	
870	4.27–5.18	63	0.91	0.002	0.01	
871	5.18–6.10	53	0.91	<0.001	0.01	
872	6.10–7.62	92	1.52	0.008	0.03	
873	7.62–8.23	100	0.61	0.001	0.02	
874	8.23–9.45	100	1.22	<0.001	0.01	
875	9.45–10.06	90	0.61	<0.001	0.01	
876	10.06–11.28	90	1.22	<0.001	<0.01	
877	11.28–12.8	96	1.52	<0.001	<0.01	
878	12.8–14.33	80	1.52	<0.001	<0.01	
879	14.33–14.94	100	0.61	<0.001	<0.01	
880	14.94–15.85	76	0.91	<0.001	<0.01	
881	15.85–16.76	96	0.91	<0.001	<0.01	
882	16.76–17.98	97	1.22	<0.001	0.01	
883	17.98–18.59	95	0.61	<0.001	<0.01	
884	18.59–19.81	85	1.22	<0.001	<0.01	
885	19.81–21.34	84	1.52	0.001	<0.01	
886	21.34–22.86	78	1.52	<0.001	<0.01	
887	22.86–23.46	100	0.61	0.001	<0.01	
888	23.46–24.69	85	0.91	0.006	0.27	
889	24.69–26.21	94	1.52	<0.001	0.01	
890	26.21–27.43	75	1.22	<0.001	0.01	
891	27.43–28.96	94	1.52	<0.001	<0.01	
892	28.96–29.87	100	0.91	0.001	<0.01	
893	29.87–31.09	67	1.22	<0.001	<0.01	
894	31.09–32.61	90	1.52	<0.001	<0.01	
895	32.61–33.68	94	1.07	<0.001	<0.01	
896	33.68–34.75	80	1.07	<0.001	<0.01	
897	34.75–35.97	90	1.22	0.007	0.07	
898	35.97–36.58	100	0.61	<0.001	0.01	
899	36.58–37.19	90	0.61	<0.001	<0.01	
900	37.19–37.95	96	0.76	<0.001	<0.01	
901	37.95–38.71	68	0.76	<0.001	<0.01	
902	38.71–39.32	95	0.61	<0.001	<0.01	
903	39.32–39.93	95	0.61	<0.001	<0.01	
904	39.93–41.15	97	1.22	<0.001	0.01	
905	41.15–41.60	93	0.46	<0.001	0.01	
906	41.60–43.13	92	1.52	0.001	0.03	
907	43.13–44.65	92	1.52	<0.001	<0.01	
908	44.65–45.72	77	1.07	<0.001	<0.01	
909	45.72–47.24	84	1.52	<0.001	<0.01	
910	47.24–48.46	92	1.22	<0.001	0.02	
911	48.46–49.38	86	0.91	<0.001	<0.01	
912	49.38–50.6	82	1.22	0.001	<0.01	
913	50.6–51.21	85	0.61	<0.001	0.01	
914	51.21–52.12	80	0.91	0.002	<0.01	
915	52.12–53.04	76	0.91	0.002	0.01	
916	53.04–54.56	84	1.52	<0.001	0.01	
917	54.56–55.47	96	0.91	<0.001	<0.01	
918	55.47–57.0	86	1.52	<0.001	<0.01	
919	57.0–58.36	100	1.37	<0.001	0.07	
920	58.36–59.89	96	1.52	<0.001	0.04	
921	59.89–60.66	100	0.76	<0.001	<0.001	
922	60.66–62.18	78	1.52	0.001	0.001	
923	62.18–63.4	97	1.22	<0.001	<0.001	
924	63.4–64.92	92	1.52	<0.001	<0.001	
925	64.92–66.14	85	1.22	0.001	<0.01	
926	66.14–67.67	88	1.52	<0.001	<0.01	
927	67.67–68.28	90	0.61	0.001	<0.01	
928	68.28–68.88	90	0.61	0.001	<0.01	
929	68.88–70.10	65	1.22	<0.001	<0.01	
930	70.10–71.63	80	1.52	0.001	0.03	
931	71.63–72.53	96	0.91	0.001	0.03	
932	72.53–74.07	90	1.52	0.10	0.07	
933	74.07–74.98	83	0.91	0.022	0.11	
934	74.98–75.74	80	0.76	0.004	0.01	
935	75.74–77.11	88	1.37	0.003	<0.01	
936	77.11–78.33	95	1.22	0.003	0.08	
937	78.33–79.86	100	1.52	0.001	0.01	
938	79.86–81.23	88	1.37	0.005	0.07	
939	81.23–82.75	96	1.52	0.043	0.48	
940	82.75–83.52	72	0.76	0.002	0.09	
941	83.52–85.04	90	1.52	0.001	0.09	
942	85.04–85.34	80	0.30	0.001	0.03	
943	85.34–86.56	75	1.22	0.001	0.01	
944	86.56–87.48	90	0.91	0.002	0.08	
945	87.48–88.7	85	1.22	0.001	0.08	
946	88.7–89.31	85	0.61	0.001	0.08	
947	89.31–90.83	92	1.52	0.001	0.01	
948	90.83–91.74	96	0.91	0.016	0.07	
949	91.74–92.96	95	1.22	0.001	0.01	
N31950	92.96–94.49	84	1.52	0.001	<0.01	
N9478	94.49–95.86	95	1.37	0.004	0.01	
479	95.86–96.16	100	0.30	0.002	0.01	
480	96.16–97.54	86	1.37	0.001	0.03	
481	97.54–98.45	66	0.91	0.007	0.07	
482	98.45–99.06	85	0.61	0.002	0.01	
483	99.06–99.97	96	0.91	0.002	0.01	
484	99.97–101.5	88	1.52	0.001	0.01	
485	101.5–102.72	95	1.22	0.002	0.01	
486	102.72–103.63	80	0.91	<0.001	<0.01	
487	103.63–105.16	98	1.52	<0.001	0.01	
488	105.16–106.68	94	1.52	<0.001	0.01	
489	106.68–107.75	94	1.07	<0.001	<0.01	
490	107.75–108.81	97	1.07	0.003	<0.01	
491	108.81–109.73	75	0.91	0.002	<0.01	
492	109.73–110.79	91	1.07	0.002	<0.01	
493	110.79–111.86	94	1.07	0.001	<0.01	
494	111.86–112.93	91	1.07	<0.001	<0.01	
495	112.93–113.54	85	0.61	<0.001	<0.01	
496	113.54–114.3	96	0.76	<0.001	0.05	
497	114.3–115.37	85	1.07	<0.001	<0.01	
498	115.37–115.98	72	0.61	<0.001	<0.01	
N9499	115.98–117.35	97	1.37	<0.001	0.02	

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 7
DDH85-19	NANSEN	WEBBER	FINISHED : SEPT 10
COORDINATES N: 20331.0N E: 17371.5E	AZ: 062° EL: 1351.6m	DIP-COLLAR: -55°E ACID DIP TEST: -54.8°E	T.D. 48.77m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

- P – PERVASIVE
- > – PERVASIVE > VEINLET
- < – VEINLET < PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
- F – FAIR
- M – MODERATE
- A – ABOVE AVERAGE
- H – HEAVY

SYMBOLS

- – VEIN
- – FAULT
- – FAULT GOUGE
- △ – BRECCIA
- – CRACKLE BRECCIA
- 75° ---- – CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- ∠ – ANGLE TO CORE AXIS
- D/S – DOWN SECTION

inches 0 1 — 0 1 2 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Yukon Geological Survey

DEPTH (m)	VISUAL LOG	LITHOLOGY	ALTERATION FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
		DRILL PAD FILL - SOME VEIN QUARTZ WITH STIBNITE													P10456	29	2.13			3070
1.98		BEDROCK CONTACT														2.13				
		QUARTZ-FELDSPAR-HORNBLENDE GNEISS DARK COLORED, FINE GRAINED, BRECCIATED, CLAST SUPPORTED SUB-ANGULAR-SUBROUNDED <4CM CLASTS	PROPYLITIC FACIES	PH	N	N	N	VL	N	N	<L	N	<L	N	457	100	1.52			50
															458	3.66 100	0.30			102
															459	3.96 100	1.22			8
															460	5.18 100	1.52			6
6.25		D/S SUBTLE BRECCIA	6.25 KAOLINITE FACIES	N	N	N	PL	PH	N	N	N	N	<L	VL	461	5.64 93	1.07			12
															462	7.01 100	1.22			14
															463	8.23 100	1.07			6
															464	9.30 100	1.07			13
10.52		CONTACT 60°	10.52													10.36				
10.97		0.15m GOUGE & CRUSHED ROCK VEIN QUARTZ-FELDSPAR-HORNBLENDE GNEISS	10.97 SILIC FACIES KAOLINITE FACIES - D/S INTENSITY DECREASES	N	N	N	N	PF	PF	PH	N	PL	PF	N	465	88 11.13	0.76	0.06	0.17	
		D/S BRECCIA? - STRONG FINE FRACTURING		N	N	N	N	PH ↓ M	N	N	N	N	>F	<F	466	100 11.89	0.76			22
															467	100 13.11	1.22			324
			13.56 KAOLINITE - PROPYLITIC TRANSITION	N	N	N	<M	<M	N	N	PL	N	<F		468	100 14.33	1.22			6
15.09		D/S BRECCIA - UP TO 7cm. ANGULAR CLASTS	15.09 PROPYLITIC FACIES	PM	PL	PL	PP	N	N	N	PL	N	<L		469	100 15.85	1.52			8
															470	100 16.76	0.91			16
															471	100 17.37	0.61			28
															472	80 17.68	0.30			3
															473	97.68	0.61			4
18.29		D/S LIGHT BROWN WEATHERING MODERATE FRACTURING, STRONG HAIRLIKE CRACKS	18.14 SHARP CONTACT KAOLINITE FACIES ALL SUPERGENE?	N	N	N	N	>A	N	N	N	N	<F	<F	474	85 18.29 100 19.51	1.22			4
															475	97 20.42	0.91			22
															476	100 21.34	0.91			13
21.95		D/S UP TO 1CM CLASTS WHITE QUARTZITE													477	100 22.86	1.52			3
															478	100 24.08	1.22			246
															479	80 25.30	1.22			351
25.15		FAULT? - CLAY WITH BROKEN ROCK		CL	EP	CA	MM	KA	QS	QZ	PY	SX	LI	MN	480	100 26.52	1.22			8
															481	100 27.43	0.91			11
27.43		FAULT -													482	100 28.65	1.22			21
			D/S INCREASING FRACTURE LI												483	74 29.47	0.83			10
			D/S INCREASING BLEACHING																	
29.47		CONTACT 70° VEIN	29.47												484	83 29.93	0.46	0.002	0.05	
29.93		QUARTZ-FELDSPAR GNEISS BRECCIATED, ANGULAR <2cm. AV 0.5cm CLASTS; MODERATE FRACTURING DECREASING D/S	29.93 KAOLINITE FACIES	N	N	N	N	<A	N	N	N	N	<F	<F	485	100 30.18	0.24			7
															486	100 31.70	1.52			12
															487	100 33.22	1.52			35
															488	94 34.69	1.46			27
34.59			34.23 - D/S INCREASING BLEACHING					PH	PF											
35.20		FAULT GOUGE	34.59 — 35.20 WEAK BANDS QS												489	100 35.51	0.82	0.009	0.22	
35.75		CONTACT 65° VEIN	35.75																	
36.36		CONTACT 60° QUARTZ-FELDSPAR GNEISS BRECCIATED	36.36 PHYLLIC-SILIC AT BOTTOM PHYLLIC FACIES	N	N	N	N	N	PH F	PF PH VF	PF	PH	PL	N	490	100 36.58	1.07	0.292	24.20	
				N	N	N	N	PF ↓ H	PH ↓ F	VF ↓ L	PL	N	>L	>L	491	100 38.1	1.52			486
															492	100 39.32	1.22			287
			39.82 KAOLINITE FACIES SUPERGENE	N	N	N	N	PH	N	N	PL	N	>M		493	100 40.23	0.91			49
40.84		FAULT - GOUGY & BROKEN													494	100 41.15	0.91			9
41.91		FAULT CONTACT FELDSPAR PORPHYRY - CHILLED & BRECCIATED													495	83 42.06	0.91			92
42.82															496	100 42.98	0.91			378
		FAULT ZONE - GOUGE & CRUSHED ROCK													497	100 44.5	1.52			282
44.65		FELDSPAR QUARTZ PORPHYRY TAN COLORED, 5% FELDSPAR > QUARTZ PHENOCRYSTS IN A HARD APHANITIC MATRIX, HIGHLY BROKEN													498	25 46.33	1.52			100
															499	20 47.59	1.22			54
															P10500	13 48.46	0.91			21
48.77		END OF HOLE													PB11	60 48.77	0.36			108

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED.

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 10
DDH 85-20	NANSEN	WEBBER	FINISHED : SEPT 12
COORDINATES N: 20213.2 N E: 17,405.2 E	AZ: 062° EL: 1358.0 m	DIP-COLLAR: -55°E ACID DIP TEST: -53°E (BOTTOM)	T.D. 38.1 m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
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- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

- P – PERVASIVE
- >– PERVASIVE > VEINLET
- <– VEINLET < PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
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SYMBOLS

- – VEIN
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- △ – BRECCIA
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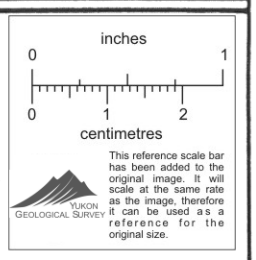
- 75° – CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- 4 – ANGLE TO CORE AXIS
- D/S – DOWN SECTION



DEPTH (m)	VISUAL LOG	LITHOLOGY	ALTERATION FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
		DRILL PAD FILL & OVERBURDEN													P872	8	3.35			<1
3.35																3.35				
		QUARTZ-FELDSPAR GNEISS - LIGHT COLORED - QUARTZ RICH, WISPS & PARTINGS AMPHIBOLITE, FOLIATION - 60°±	KAOLINITE FACIES - SUPERGENE	N	N	N	N	PF	N	N	N	N	PL	<L	873	16	1.52			<1
4.88		STRONG FRACTURING														4.88				
															874	55	1.22			6
6.10		FAULT - GOUGE, WEAK														6.10				
															875	72	1.52			5
7.32		STRONG FRACTURING														7.62				
7.92															876	93	0.46			3
															877	8.08	0.46			2
															878	8.53 80	0.61			<1
															879	50 9.14	0.46			3
																87 9.60				
10.67			10.67					PH							880	89	1.37			<1
11.13																10.97				
															881	80	1.52			12
12.34		FAULT ZONE? - <0.3m BANDS OF DECOMPOSED ROCK														12.49				
															882	70	0.91			3
13.11																13.41				
															883	84	0.76			2
14.02																14.17				
															884	34	1.07			6
															885	15.24	0.61			10
15.54																96				
16.15		CONTACT LOST	16.15												886	15.85	0.15			2
		AMPHIBOLITE - DARK COLORED	PROPYLITIC FACIES	PM	N	N	N	VL	N	N	KF	N	VL	N	887	16.80	1.07			3
																37 17.07				
															888	98	1.52			2
18.59		CONTACT LOST	18.59 - D/S SUPERGENE KA ALONG FRACTURE AND <0.15m ENVELOPES					VF							889	95 18.59	0.61			2
		QUARTZ FELDSPAR GNEISS - LIGHT COLORED, QUARTZ HIGH, WISPS & PARTINGS OF CHLORITE, OFTEN IMPARTS STRIPED LOOK														19.22				
															890	45	1.22			<1
																20.42				
															891	90	122			5
																21.64				
															892	93	0.46			<1
22.71		TRANSITIONAL													893	22.10 80	1.07			7
		AMPHIBOLITE														23.16				
															894	100	0.61			1
23.93		SHARP CONTACT - 50°±														23.77				
															895	90	0.61			<1
		QUARTZ FELDSPAR CHLORITE GNEISS QUARTZ RICH, CHLORITE IMPARTS STRIPED APPEARANCE	24.38 D/S INCREASING FRACTURE MANGANESE											<M		24.38				
															896	93	1.22			<1
																25.60				
															897	77	1.07			<1
																26.67				
27.10		FAULT ZONE? - HIGHLY BROKEN CORE	27.01 KAOLINITE FACIES	N	N	N	N	PF	N	N	N	N	VL	VM	898	62	1.37			<1
28.04																28.04				
28.8		FAULT? 0.15m - CRUMBLY CORE													899	93	0.91			37
																28.96				
			30.18 D/S MN DECREASING												900	94	1.52			<1
																30.48				
															901	45	0.61			1
																31.10				
32.0		CONTACT 45°± VEIN?	KAOLINITE FACIES	N	N	N	N	PH	N	N	N	N	<H	N	902	75	2.44			5
32.61		TRANSITIONAL QUARTZ FELDSPAR CHLORITE GNEISS	KAOLINITE FACIES MINOR <5mm QUARTZ GASHES	N	N	N	N	PH	N	VL	PL	N	VL	VF		33.53				
															903	84	1.52			4
																35.05				
			36.27 D/S QZ V <3mm BECOME MORE COMMON, INCREASING MN, DECREASING LI							VF			VF	VM	904	92	1.52			<1
																36.58				
															P905	92	1.52			<1
38.1		END OF HOLE														38.1				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 12
DDH 85-21	NANSEN	WEBBER	FINISHED : SEPT 14
COORDINATES N: 20269.0 N E: 17,406.0 E	AZ: 062° EL: 1359.0 m	DIP-COLLAR: -55° E ACID DIP TEST: -53° E (BOTTOM)	T.D. 1359.0 m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

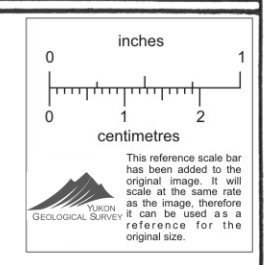
- P – PERVASIVE
- > – PERVASIVE > VEINLET
- < – VEINLET < PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
- F – FAIR
- M – MODERATE
- A – ABOVE AVERAGE
- H – HEAVY

SYMBOLS

- – VEIN
- – FAULT
- – FAULT GOUGE
- △ – BRECCIA
- – CRACKLE BRECCIA
- 75°, --- – CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- 4 – ANGLE TO CORE AXIS
- D/S – DOWN SECTION



DEPTH (m)	VISUAL LOG	LITHOLOGY	ALTERATION FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
		DRILLPAD FILL & OVERBURDEN													P906	10	3.35			3
3.35																3.35				
		FAULT ZONE - SAND & MUD	PROPYLITIC FACIES PYRITE IN CHLORITE RICH BANDS	PF	PL	PL	PL	VL	N	N	PL	N	<L	N	907	3.80	0.61			14
4.45															908	3.96	0.46			20
4.87		FAULT - 0.6m GOUGE QUARTZ FELDSPAR GNEISS - LIGHT COLORED, CHLORITE WISPS, PARTINGS & BANDS ≤ 5cm; OCCASIONAL 25mm FELDSPAR PORPHOBLASTS; FOLIATION - 50°∡													909	4.42	0.15			5
															910	4.57	0.91			4
															911	5.49	0.30			<1
															912	5.79	0.91			<1
															913	6.71	1.22			<1
															914	7.92	1.52			<1
															915	9.45	1.52			<1
															916	10.97	0.46			<1
															917	11.43	0.61			<1
															918	12.04	0.76			2
															919	12.86	0.91			8
14.93		D/S INCREASED FINE FRACTURING	14.93 - INCREASING CALCITE & KAOLINITE ON FRACTURES			<F									920	13.72	1.22			<1
															921	14.94	0.91			<1
															922	15.85	1.07			<1
															923	16.92	0.46			<1
															924	17.37	0.61			<1
															925	17.98	1.22			<1
															926	19.20	1.22			8
			20.42 D/S MINOR <2mm Q2-CA -LI VEINLETS							VL					927	20.42	1.37			<1
															928	21.79	0.76			<1
															929	22.56	1.37			<1
															930	23.93	1.07			<1
															931	24.69	0.91			<1
															932	25.60	1.52			<1
			27.43 MONTMORILLONITE - PART SUPERGENE KAOLINITE	N	N	>F	PF	VM	N	VF	>F	N	>F	<N → F	933	27.13	0.91			<1
															934	28.04	1.52			193
															935	29.57	1.52			57
															936	31.09	1.52			6
			32.92 KAOLINITE FACIES	N	N	N	N	PA	VL	VF	<F	N	>F	<F	937	32.61	0.91	0.001	0.01	
													>L	<L	938	33.53	1.22	0.018	1.74	
34.9		CONTACT - COLOR CHANGE VEIN	34.9 PHYLLIC - SILIC FACIES	N	N	N	N	PF	PM	PM	N	N	>F	N	939	34.75	1.22	0.016	1.42	
35.87		CONTACT 10°∡	35.87 KAOLINITE FACIES	N	N	N	N	PH	PF	N	N	N	>M	N	940	35.97	0.46	0.001	0.36	
36.58		VEIN - 45°∡	SILIC FACIES	N	N	N	N	PL	PL	PH	>L	>F	>F	N	941	36.42	0.91	0.288	38.40	
37.3		QUARTZ FELDSPAR CHLORITE GNEISS FOLIATION - 70°∡	PHYLLIC FACIES	N	N	N	N	PF	PH	>F	N	VL	VF	N	942	37.34	1.07	0.028	6.00	
															943	38.40	0.91	0.009	0.95	
39.47		CONTACT 30°∡	39.47 SILIC FACIES	N	N	N	N	N	N	PH	N	N	VF	N	944	39.32	0.61	0.001	0.11	
39.78		VEIN CONTACT IRREGULAR QUARTZ FELDSPAR CHLORITE GNEISS	39.78 KAOLINITE FACIES	N	N	N	N	PM	PF	VL	N	N	VF	N	945	39.93	0.30	0.001	0.20	
			40.23	N	N	N	N	PH	N	N	N	N	VL	N	946	40.23	0.61	<0.001	0.20	
			40.84 PROPYLITIC FACIES	F	N	N	N	VL	N	N	PL	N	VF	VL	947	40.84	0.91	0.001	0.03	
															948	41.76	0.91	0.001	0.09	
42.67		FAULT ZONE - 35°∡ BRECCIATED, CLASTS IN CLAY		N				PH			N		VH		P949	42.67	0.61	0.006	0.50	
43.28		END OF HOLE														43.28				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 14
DDH 85-22	NANSEN	WEBBER	FINISHED : SEPT 15
COORDINATES N: 20238.2 N E: 17434.0 E	AZ: 062° EL: 1363.3 M	DIP-COLLAR: -55°E ACID DIP TEST: -56°E (BOTTOM)	T.D. 39.62 m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
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- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
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- AMPHIBOLITE

MODE

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- > – PERVASIVE > VEINLET
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AMOUNT

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SYMBOLS

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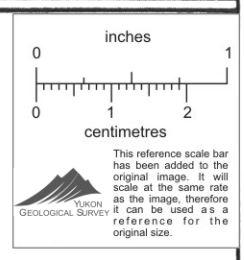
- FAULT GOUGE
- BRECCIA
- CRACKLE BRECCIA
- 75° CONTACT, ANGLE TO CORE AXIS
- SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- ∠ – ANGLE TO CORE AXIS
- D/S – DOWN SECTION



DEPTH (m)	VISUAL LOG	LITHOLOGY	FACIES	ALTERATION: CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
		DRILLPAD FILL & OVERBURDEN													P15434	4	2.13			198
2.29		BEDROCK CONTACT – QUARTZ FELDSPAR CHLORITE GNEISS FOLIATION-55°∠, DARK GRAY COLOR	KAOLINITE FACIES -SUPERGENE	N	N	N	N	PM	N	N	N	N	>F	N	435	2.13 / 16 / 3.66	1.52			4
3.66		FAULT - 0.15m GOUGE & BROKEN ROCK													436	15 / 4.88	1.22			7
4.88		FAULT?													437	40 / 5.18	0.30			3
5.18		FAULT-HIGHLY BROKEN; GOUGE													438	17 / 6.10	0.91			3
6.10		–													439	40	0.30			<1
			6.7 PROPYLITIC FACIES	PF	N	N	N	VF	N	N	N	N	>L	N	440	64	0.30			5
7.62		FAULT? 0.31m - HIGHLY BROKEN													441	10 / 6.71 / 43	0.91			2
8.14		–													442	70 / 7.62	0.30			<1
		HIGHLY BROKEN	8.14 KAOLINITE FACIES-SUPERGENE -IN PLACES PROPYLITIC	N	N	N	N	<H	N	N	N	N	>L	N	443	45 / 7.92 / 8.53	0.61			<1
10.36		FAULT - GOUGE & CRUSHED ROCK													444	65	0.61			<1
10.97		AMPHIBOLITE		PM				VF					>F		445	9.14 / 17 / 10.06	0.91			<1
12.50		VEIN	12.50 SILIC FACIES	N	N	N	N	PH	PF	PF	N	N	>L	N	446	60 / 10.96	0.91			2
12.8		FAULT - 0.15 GOUGE													447	66 / 12.50	1.52			1
		QUARTZ FELDSPAR CHLORITE GNEISS OCCASIONAL NARROW BANDS OF AMPHIBOLITE	KAOLINITE FACIES -	PL	N	N	N	PH	N	N	N	N	VF	>L	448	30 / 12.80	0.30			4
															449	67 / 13.72	0.91			2
															450	33 / 14.63	0.91			6
															451	53	1.22			3
															452	15.85 / 85 / 16.46	0.61			<1
															453	60 / 17.68	1.22			1
															454	95 / 18.90	1.22			<1
19.81		D/S INCREASING CRACK FRACTURING	19.81 D/S INCREASING PY & LI & MINOR < 2mm QUARTZ VEINS							VL	PF	N	>F	N	455	80 / 20.42	1.52			2
21.15		VEIN - VERY WEAK	21.15 SILIC FACIES	N	N	N	N	PH	N	VF	PF	N	>F	N	456	72 / 21.95	1.52			4
21.49		QUARTZ FELDSPAR CHLORITE GNEISS OCCASIONAL NARROW BANDS OF AMPHIBOLITE	21.49 KAOLINITE FACIES	N	N	N	N	PH	N	N	N	N	VF	>L	457	73 / 22.86	0.91			7
															458	85 / 23.47	0.61			2
															459	77 / 24.54	1.07			2
															460	51 / 25.60	1.07			354
25.91		CONTACT 20°∠	25.91												461	100 / 26.52	0.91	0.104	0.62	
26.06		FAULT GOUGE - 5cm VEIN ZONE	PHYLLIC - TO SILIC FACIES AT BOTTOM CONTACT	N	N	N	N	N	PH→F	PM→M	N	PL	VL	N	462	83 / 27.58	1.07	0.012	0.03	
27.58		TRANSITIONAL	27.58																	
28.04		FAULT - BROKEN ROCK & GOUGE	KAOLINITE FACIES	N	N	N	N	PH	PL	N	PL	N	VF	N	463	35 / 28.65	1.07			12
28.65		FAULT? - 3cm GOUGE													464	70 / 29.87	1.22			19
29.26															465	43 / 30.78	0.91			70
30.63		FAULT - 0.15 GOUGE													466	50 / 31.7	0.91			609
31.55		FAULT ZONE - GOUGE AT CNTS													467	95 / 32.31	0.61			16
32.0		QUARTZ-FELDSPAR CHLORITE GNEISS	32.25 PROPYLITIC FACIES - BANDS OF SUPERGENE KAOLINITE	PF	N	N	PF	VH→A	N	N	N	N	>F	>H→L	468	90 / 33.53	1.22			3
															469	95 / 34.14	0.61			12
															470	34.75 / 65	0.61			71
															471	67 / 35.66	0.91			<1
			36.37 PROPYLITIC FACIES	PM	PL	VL	PF	VF	N	N	>L	N	VL	>L	472	60 / 36.58	0.91			3
															473	70 / 36.88	0.30			<1
															474	86 / 38.40	1.52			55
															475	100 / 39.62	1.22			2
39.62		END OF HOLE																		

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 15
DDH 85-23	NANSEN	WEBBER	FINISHED : SEPT 17
COORDINATES N: 20,247.5 N E: 17,379.5 E	AZ: 062° EL: 1353.6m	DIP-COLLAR: -55°E ACID DIP TEST: -54.8°E	T.D. 41.15 m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

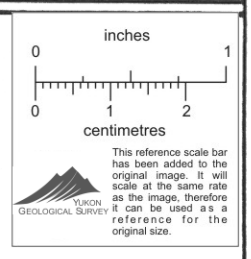
P – PERVASIVE
>– PERVASIVE > VEINLET
<– VEINLET < PERVASIVE
V – VEINLET
E – ENVELOPES

AMOUNT

N – NIL
L – LOW TRACE
F – FAIR
M – MODERATE
A – ABOVE AVERAGE
H – HEAVY

SYMBOLS

- VEIN
- FAULT
- FAULT GOUGE
- △ – BRECCIA
- ✓ – CRACKLE BRECCIA
- 75° – CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- ∠ – ANGLE TO CORE AXIS
- D/S – DOWN SECTION



DEPTH (m)	VISUAL LOG	LITHOLOGY	ALTERATION: FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
		DRILL PAD FILL & OVER BURDEN													P15476	6	3.66			222
3.35		BEDROCK CONTACT														3.66				
		QUARTZ FELDSPAR CHLORITE GNEISS - CHLORITE GRADING INTO NARROW AMPHIBOLITE BEDS; FOLIATION 55°∠	KAOLINITE FACIES-SUPERGENE	N	N	N	N	<A	N	N	N	N	>L	N	477	40	1.52			348
		HIGHLY BROKEN	5.18 - STRONG MN													5.18				
5.94			5.94												478	65	0.61			360
		FAULT ZONE - 2cm ANGULAR CLASTS IN A DARK BROWN MATRIX	VEIN ZONE?? - STRONG MN AT TOP CONTACT												479	5.79 40 6.71	0.91			731
7.62		FAULT GOUGE													480	74	1.52			185
8.08			8.08													8.23				
			9.14												481	97	0.91			25
			PROPYLITIC FACIES	PM	N	N	N	VF	N	N	N	N	>L	N	482	9.14 65 9.75	0.61			17
			10.36												483	76	1.52			30
			KAOLINITE FACIES	N	N	N	N	PA	N	N	N	N	<M	N		11.28				
															484	100 11.89	0.61			4
12.34		D/S FAIR CORE CUTTING FRACTURES; STRONG FINE STOCKWORK CRACKS	12.34											>F	485	94	1.52			8
																13.41				
															486	96	1.52			4
																14.94				
			16.15 - D/S INCREASING BLEACHED DECREASING LI												487	70 16.15	1.22			2
													<F L	N	488	90 16.46	0.30			5
16.92		CONTACT - 3cm GOUGE VEIN	16.92												489	88	1.22	0.024	0.70	
17.47		GOUGE - 0.15m 40°∠	SILIC FACIES 17.47	N	N	N	N	N	VF	PH	N	N	PM	N		17.69				
			KAOLINITE FACIES	N	N	N	N	PH	N	N	N	N	<F	<L	490	70	1.22			<1
								PM								18.90				
			18.66												491	77	0.91			<1
			MONTMORILLONITE FACIES	PF	N	>F	PM	VF	N	N	PF	N	>L	N		19.81				
															492	96	1.52			<1
																21.34				
															493	83	1.22			<1
			22.86 0.3m BANDS 1/2m WITH INCREASED FRACTURE LI													22.56				
													<F		494	78	1.22			1
																23.77				
															495	95	1.22			3
																24.99				
															496	94	1.52			1
			26.52 D/S INCREASED CHLORITE													26.52				
				PM		>F									497	63	0.91			<1
																27.43				
															498	88	1.52			2
																28.96				
29.26		D/S AMPHIBOLITE BANDS <0.15m COMMON													499	90	1.52			2
			30.48 TRANSITIONAL FACIES			<L		<M								30.48				
31.55		SHARP BREAK 50°∠ - FAULT	31.55												P15500	70	1.52			6
			KAOLINITE FACIES	N	N	N	N	PA	N	VL	N	N	<M	VM		32.00				
			32.61												P1884	75 32.61	0.61			39
													<L	VL	885	88	1.22	0.004	0.06	
																33.83				
			35.20 PHYLLIC FACIES					PF	PA	VF					886	70	1.52	<0.003	0.04	
																35.35				
36.03		VEIN - 0.12m 45°∠	36.03 PHYLLIC-SILICIFACIES	N	N	N	N	PM	PM	PF	PF	PF	<F	N	887	83	1.22	0.024	0.06	
			36.45 PHYLLIC FACIES	N	N	N	N	PF	PF	VL	N	PF	VA	N		36.58				
			KAOLINITE FACIES	N	N	N	N	PH	N	VF	N	N	VA	N	888	84	1.52			71
																38.1				
			38.71 D/S QV≠LI DECREASES, MN INCREASES					PM		VL			<F	<F	889	82	1.52			50
																39.62				
															P1890	92	1.52			15
41.15		END OF HOLE														41.15				

M-546-D-14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No. 016238

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 17
DDH 85-24	NANSEN	WEBBER	FINISHED : SEPT 18
COORDINATES N: 20155.1N E: 17478.3E	AZ: 062° EL: 1365.4m	DIP-COLLAR: -55°E ACID DIP TEST: -55°E (BOTTOM)	T.D. 39.62m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

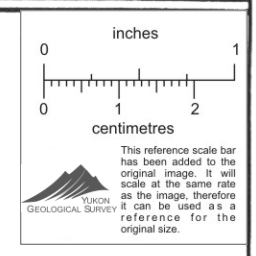
- P – PERVASIVE
- > – PERVASIVE > VEINLET
- < – VEINLET < PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
- F – FAIR
- M – MODERATE
- A – ABOVE AVERAGE
- H – HEAVY

SYMBOLS

- VEIN
- FAULT
- FAULT GOUGE
- △ – BRECCIA
- CRACKLE BRECCIA
- 75° ,---- CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- ∡ – ANGLE TO CORE AXIS
- D/S – DOWN SECTION



DEPTH (m)	VISUAL LOG	LITHOLOGY	ALTERATION: FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
		DRILL PAD FILL & OVERBURDEN													P17651	8	4.57			3
4.57		BEDROCK CONTACT — QUARTZ FELDSPAR CHLORITE GNEISS - GRAY TO WHITE WITH NARROW BEDS CHLORITE FOLIATION 45° FAIR - MODERATE FRACTURING 0-35°	PROPYLITIC FACIES	PF	N	N	N	N	N	N	PL	N	PL	N	653	4.57 / 4.98 / 5.18	0.3 / 0.3			5 / 80
															654	20	1.52			16
6.71			KAOLINITE FACIES - SUPERCEDE	N	N	N	N	PH	N	N	N	N	>L	>L	655	6.70 / 20	0.91			45
															656	7.62 / 30 / 8.23	0.61			3
															657	63 / 9.14	0.91			11
10.21		FAULT? - 0.15m DECOMPOSED													658	92 / 10.36	1.22			6
															659	94 / 11.89	1.52			6
12.5		FAULT - 0.3m													660	82 / 13.11	1.22			4
14.01		D/S INCREASING LI & QZ													661	96 / 14.02	0.91			4
14.17		TRANSITIONAL — VEIN? - 35-40° WEAK	PHYLLIC - SILIC FACIES	N	N	N	N	PF	PF	VF	N	N	>L	N	662	92 / 16.46	2.44			5
16.09		FAULT? - 0.15m DECOMPOSED QUARTZ-FELDSPAR CHLORITE GNEISS	PROPYLITIC FACIES	PF	N	N	N	VL	N	VL N	>F	N	VL	N	663	86 / 17.37	0.91			2
															664	85 / 17.98	0.61			2
17.53		FAULT - WEAK													665	92 / 19.2	1.22			2
		FOLIATION - 35°													666	90 / 20.12	0.91			4
															667	94 / 21.64	1.52			1
22.25		D/S FRACTURING INCREASES TO MODERATE													668	95 / 22.25	0.61			1
				CL	EP	CA	MM	KA	QS	QZ	PY	SX	LI	MN	669	80 / 23.77	1.52			1
															670	96 / 24.69	0.91			2
25.91		D/S CORE LIGHT BROWN COLOR													671	96 / 26.21	1.52			3
			KAOLINITE FACIES	N	N	PL N	PF N	PH	N	N	N	N	<L	<L	672	86 / 27.13	0.91			<1
27.58		D/S BANDS PHYLLIC ALTERATION WITH QZ													673	27.43 / 30	0.30			3
								PM	VM	VF					674	82 / 28.8	1.37			6
30.18		FAULT? - 0.15m HIGHLY BROKEN													675	96 / 29.7	0.91			2
30.48		TRANSITIONAL — VEIN? - 60°	SILIC FACIES - WEAK	N	N	N	N	PA	PL	VF	N	N	<F	N	676	93 / 30.63	0.91			5
															677	100 / 31.7	1.02			13
32.28		TRANSITIONAL — QUARTZ FELDSPAR CHLORITE GNEISS	KAOLINITE FACIES	N	N	N	N	PH	N	VF N	N	N	<M	N	678	72 / 32.46	0.76			7
															679	94 / 33.53	1.07			2
35.05		CONTACT - 65°													680	82 / 34.9	1.37			11
		VEIN	SILIC FACIES	N	N	N	N	N	PH L	PL H	N	PL	<M	N	681	100 / 35.05	0.15			4
36.27		CONTACT - 40° — QUARTZ FELDSPAR CHLORITE GNEISS	KAOLINITE FACIES	N	N	N	N	PH	N	VF	N	N	<F	<F	682	84 / 36.42	1.37			11.70
37.27			MONTMORILLONITE FACIES	N	N	PF	PF	VF	N	N	N	N	>L	N	683	30 / 36.73	0.30			1180
															684	100 / 38.1	1.37			130
															P17685	94 / 39.62	1.52			22
39.62		END OF HOLE																		

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sample No.

CHEVRON CANADA RESOURCES

HOLE No.	PROJECT	TARGET	STARTED : SEPT 18
DDH 85-25	NANSEN	WEBBER	FINISHED : SEPT 19
COORDINATES N: 20,194.2N E: 17,441.7E	AZ: 062° EL: 1361.8m	DIP-COLLAR: -55°E ACID DIP TEST: N.A.	T.D. 59.74m
			LOGGED BY: M. PHILLIPS

ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT. NANSEN GROUP VOLCANIC FLOWS PYROCLASTICS & FEEDER DYKES
- GRANODIORITE INCLUDES NARROW APLITE & PEGMATITE DYKES
- QUARTZ FELDSPAR CHLORITE GNEISS WITH NARROW BANDS OF AMPHIBOLITE
- AMPHIBOLITE

MODE

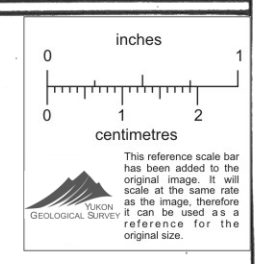
- P – PERVASIVE
- >– PERVASIVE> VEINLET
- <– VEINLET< PERVASIVE
- V – VEINLET
- E – ENVELOPES

AMOUNT

- N – NIL
- L – LOW TRACE
- F – FAIR
- M – MODERATE
- A – ABOVE AVERAGE
- H – HEAVY

SYMBOLS

- – VEIN
- – FAULT
- – FAULT GOUGE
- △ – BRECCIA
- – CRACKLE BRECCIA
- 75° ,---- CONTACT, ANGLE TO CORE AXIS
- ≈ – SHEAR
- QV – QUARTZ VEINLET
- QC – CHALCEDONY
- SL – SPHALERITE
- GL – GALENA
- AS – ARSENOPYRITE
- 4 – ANGLE TO CORE AXIS
- D/S – DOWN SECTION



DEPTH (m)	VISUAL LOG	LITHOLOGY	FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFO-SALTS	LIMONITE	MANGANESE OXIDES	SAMPLE No.	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL (m)	oz/t Au	oz/t Ag	ppb Au
															P17686	7	2.74			3
2.74		BEDROCK CONTACT?														2.74				
		QUARTZ FELDSPAR, CHLORITE GNEISS	PROPYLITIC FACIES	PM	N	>L	N	VF	N	N	PL	N	VL	N	687	90	0.61			6
3.96		FAULT? - 0.13m DECOMPOSED														3.35				
4.88		FAULT 5cm DECOMPOSED													688	80	1.22			3
5.18		VEIN?														4.57				
5.79			5.18												689	100	0.30			11
			5.79 KAOLINITE FACIES	N	N	N	N	PA	PF	VL	N	N	>L	N	690	4.88 80 5.18	0.30			4
															691	60	0.91			2
6.7			PROPYLITIC FACIES	PM	N	>L	N	VL	N	N	PL	N	>L	N	692	6.1 85 6.71	0.61			<1
															693	43	0.91			<1
															694	7.62 73 8.53	0.91			<1
															695	60	0.30			<1
															696	8.84 83	0.91			<1
10.36		FAULT? - 45° x - 5cm CLAY	10.36												697	9.75 80 10.36	0.61			2
11.89		STRONG FRACTURING	KAOLINITE FACIES - MOSTLY SUPERGENE	N	N	N	PF	VM ↓ A	N	N	PL	N	VL	N	698	73	0.91			<1
															699	11.28 84 12.04	0.76			<1
															700	89	0.76			<1
			12.5							VL						12.8				
			13.05							N					701	85	1.22			1
															702	14.02 86	0.91			5
															703	14.94 75	1.22			3
			15.85	PL				PM						>L		16.15				
															704	65	0.61			8
															705	16.76 100 17.37	0.61			<1
			17.68												706	80 17.68	0.30			2
		TRACE PORPHOBLASTS TO 5mm FELDSPAR - ORTHOCLASE?	GYPSUM ALONG FRACTURES QS&QV	N			N	PH	VF	VF			VF		707	76	1.68			<1
																19.35				
															708	100	1.37			1
																20.75				
															709	92	1.22			<1
			22.10	PL			PF	PM	N	VL	N			N		21.95				
															710	90	1.52			2
																23.47				
															711	66	1.52			<1
																24.99				
															712	86	1.52			<1
			26.52 D/S ALTERATION INCREASING	N			PL	PA	VL	N			<F			26.52				
27.65															713	87	1.22			<1
																27.74				
			28.96												714	80	1.52			1
			PHYLLIC ALTERATION	N	N	N	N	PM ↓ L	PM	N	N	N	VL	>M		29.26				
															715	88	1.52			12
																30.78				
															716	90	1.52			5
			32.0											<H		32.31				
			32.61 BAND STRONG MN											N	717	100	1.52			46
																33.83				
34.2		GOUGE - 3cm VEIN													718	90	1.52			309
34.96		FAULT - 50° x GOUGE	SILIC FACIES	N	N	N	N	PL	PF	PH	N	N	PL	N		35.36				
35.42		TRANSITIONAL VEIN	35.42 PHYLLIC FACIES	N	N	N	N	PF	PF	PM	N	N	PL	N	719	100	1.22			164
36.33		CONTACT - 60° x	36.33 SILIC FACIES												720	36.58 100 36.88	0.30			34
		QUARTZ FELDSPAR CHLORITE GNEISS	KAOLINITE FACIES	N	N	N	N	PH	PF ↓ M	VF	N	PL	PF	H	721	37.49 100	0.61			13
															722	100	0.91			33
																38.4				
															723	75 39.01	0.61			25
															724	100	0.91			42
																39.93				
															725	100 40.54	0.61			3
														N	726	100	0.91			<1
																41.45				
															727	100	1.22			<1
			42.61													42.67				
			PHYLLIC ALTERATION	N	N	N	N	PF	PM	PL	PL	N	<M	VF	728	75	1.22			15
																43.89				
															729	85	0.91			3
																44.81				
															730	100	1.52			27
			46.02											>L		46.33				
46.98		D/S < 4cm GOUGY BREAKS COMMON													731	70	1.52			38
			47.86													47.85				
48.16		D/S HIGHLY FRACTURED, 0.46m GOUGE AT BOTTOM CONTACT							PH	PF			<F	N	732	70	1.52			34
49.38																49.38				
															733	50	0.91			41
50.29		FAULT - 0.3 m CLAY													734	50.29 50 50.9	0.61			24
50.9															735	100	0.91			103
			51.97 - D/S INCREASING QUARTZ							PF ↓ M	PL	PF				51.82				
															736	100	0.91			1350
																52.73				
			53.10												737	100 53.34	0.61			85
			MONTMORILLONITE FACIES	PF	N	N	PF	VL	N	N	N	N	>F	N	738	53.95 75	0.61			3
54.07		FAULT - 45° x	54.07																	
54.45		FAULT - 50° x 5cm GOUGE VEIN	PHYLLIC - SILIC FACIES	N	N	N	N	PF	PH	PA	N	N	<L	N	739	100	1.22			253
55.02		CONTACT - 55° x	55.02													55.17				
			PROPYLITIC FACIES	PF	N	N	N	VF	VF	N	VF	N	<F	N	740	100	1.52			94
																56.69				
															741	100	1.52			646
			57.76													58.22				
			KAOLINITE FACIES - SUPERGENE	N	N	N	N	PH	N	N	N	N	<F	N	P17742	100	1.52			10
59.74		END OF HOLE														59.74				