

5268

DU PONT OF CANADA EXPLORATION LIMITED

94E / 6E

ASSESSMENT REPORT

ON

THE CHAPPELLE PROPERTY

OMINECA MINING DIVISION

1974

DISTRIBUTION OF WORK - CHAPPELLE GROUP NO.17  
(to accompany work report - 1974)

Total of work to apply - \$9,800.

Distribution

	<u>Month of Record</u>	<u>Record Number</u>	<u>Number of years applied</u>
Chappelle #6	July	60866	1
" #11	February	84371	1
" #12	February	84372	1
" #17	February	84377	4
" #18 to 22	February	84378-84382	3
" #33	February	84391	4
" #37 - 40	February	84395-84398	4
" #41 & 42	February	84399&84400	5

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <u>5268</u> MAP.....
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TABLE OF CONTENTS

EXPENDITURE BREAKDOWN FOR CHAPPELLE GROUP NO. 15  
EXPENDITURE BREAKDOWN FOR CHAPPELLE GROUP NO. 16  
EXPENDITURE BREAKDOWN FOR CHAPPELLE GROUP NO. 17  
MAGNETOMETER SURVEY

List of Plates

Plate No. 1 #1 Location map of Chappelle Mineral Claims.  
Plate No. 2 #2 Diamond Drill Hole Locations (Scale 1" = 400')  
Plate No. 3 #3 Chappelle Claims (Scale 1" = 2640')  
Plate No. 4 #4 Magnetometer Survey (Scale 1" = 100')  
Plate No. 5 #5 Geology (Magnetometer Survey Area)  
(Scale 1" = 100')

List of Appendices

Appendix No. 1 Diamond Drilling Agreement between D.W. Coates  
Enterprises Ltd. and Du Pont of Canada  
Exploration Limited.  
Appendix No. 2 Diamond Drilling Invoices  
Appendix No. 3 Diamond Drill Logs

COST BREAKDOWN FOR CHAPPELLE GROUP #15

From April 1, 1974 to September 16, 1974, a diamond drilling programme was undertaken on the Chappelle Group #15. Intermittent preparatory work was done from April to July and diamond drilling commenced July 24, 1974. Drilling was conducted on Chappelle No. 3 mineral claim (Record #60863).

Approximately 17% of diamond drilling was done in Group #15.

Personnel Costs

Geologist	T.J. Drown	\$44.32/day	56 days	\$2,481.92
Geologist	D.A. Currie	\$38.18/day	12 days	\$ 458.16
Core Splitter	R.M. Barr	\$22.73/day	41 days	\$ 931.93
Cat Skinner	J. Nuppenen	\$36.51/day	47 days	\$1,716.00
			TOTAL	<u>\$5,588.01</u>

Cost applied to Group 15 = 17% of \$5,588.01  
= \$949.96

Aircraft Support

Fixed Wing	20% of \$10,372.15	=	\$2,074.43
Helicopter	50% of \$4,271.50	=	\$2,135.75

Cost applied to Group 15:

Fixed wing	17% of \$2,074.43	=	<u>\$ 352.65</u>
Helicopter	17% of \$2,135.75	=	<u>\$ 363.08</u>

Rental fees for John Deere 450 tractor used for hauling fuel for diamond drill and camp from Black Lake airstrip to drill camp 5.2 miles southeast of camp.

	17% of \$2,520.70	=	<u>\$ 428.52</u>
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Fuel for John Deere tractor

	17% of \$ 791.33	=	<u>\$ 134.53</u>
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Maintenance of Black Lake airstrip by John Deere tractor.

	17% of \$1,000.00	=	<u>\$ 170.00</u>
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Diamond drilling and room & board for four diamond drillers, one cat skinner, one cook, one geologist and one geologist's assistant.

\$21,584.89  
 31,672.42  
 28,262.10  
20,127.75  
 \$101,647.16

17% of \$101,647.16 = \$17,280.02

See attached Diamond Drilling Contract between D.W. Coates Enterprises and Du Pont of Canada Exploration Limited.

See also invoices submitted to Du Pont of Canada Exploration Limited by D.W. Coates Enterprises.

Equipment Rentals

McPhar M700 Magnetometer  
 \$10.50/day July 25/74 - Oct 8/74

$\frac{23}{50} \times \$787.50 = \underline{\$ 362.25}$

Hitran Survey Transit and Tripod  
 July 22/74 - Sept.22/74

17% of \$105.00 = \$ 17.85

Rental diamond drill left on Chappelle property for winter.

1½ months @ \$700/month

17% of \$1,000.00 = \$ 170.00

Cost of supervisory staff and compiling a report

17% of \$500.00 = \$ 85.00

TOTAL EXPENDITURES APPLICABLE TO CHAPPELLE  
 GROUP NO. 15 \$20,303.86

COST BREAKDOWN FOR CHAPPELLE GROUP #16

From April 1, 1974 to September 16, 1974, a diamond drilling programme was undertaken on the Chappelle Group #16. Inter-mittent preparatory work was done from April to July and diamond drilling commenced July 24, 1974. Drilling was conducted on Chappelle No. 4 mineral claim (Record #60864).

Approximately 75% of diamond drilling was done in Group No.16.

Personnel Costs

Geologist	T.J. Drown	\$44.32/day	56 days	\$2,481.92
Geologist	D.A. Currie	\$38.18/day	12 days	\$ 458.16
Core Splitter	R.M. Barr	\$22.73/day	41 days	\$ 931.93
Cat Skinner	J. Nuppenen	\$36.51/day	47 days	\$1,716.00
			TOTAL	<u>\$5,588.01</u>

Cost applied to Group 16 = 75% of \$5,588.01  
= \$4,191.01

Aircraft support

Fixed wing	20% of \$10,372.15	=	\$2,074.43
Helicopter	50% of \$ 4,271.50	=	\$2,135.75

Cost applied to Group 16:

Fixed wing	75% of \$2,074.43	=	<u>\$1,555.82</u>
Helicopter	75% of \$2,135.75	=	<u>\$1,601.81</u>

Rental fees for John Deere 450 tractor, used for hauling fuel for diamond drill and camp from Black Lake airstrip to drill camp 5.2 miles southeast of camp.

	75% of \$2,520.70	=	<u>\$1,890.53</u>
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Fuel for John Deere tractor

	75% of \$ 791.33	=	<u>\$ 593.50</u>
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Maintenance of Black Lake airstrip by John Deere tractor.

	75% of \$1,000.00	=	<u>\$ 750.00</u>
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Diamond drilling and room & board for four diamond drillers, one cat skinner, one cook, one geologist and one geologist's assistant.

\$21,584.89  
 31,672.42  
 28,262.10  
20,127.75  
 \$101,647.16

75% of \$101,647.16 = \$76,235.37

See attached Diamond Drilling Contract between D.W. Coates Enterprises and Du Pont of Canada Exploration Limited.

See also invoices submitted to Du Pont of Canada Exploration Limited by D.W. Coates Enterprises.

Equipment Rentals

Hitran Survey Transit and Tripod  
 July 22/74 - September 22/74

75% of \$105.00 = \$ 78.75

Rental diamond drill left on Chappelle property for winter.

1½ months @ \$700.00/month

75% of \$1,000.00 = \$ 750.00

Cost of supervisory staff and compiling a report

75% of \$500.00 = \$ 375.00

TOTAL EXPENDITURES APPLICABLE TO CHAPPELLE  
 GROUP NO.16 \$ 88,021.79

COST BREAKDOWN FOR CHAPPELLE GROUP #17

From April 1, 1974 to September 16, 1974, a diamond drilling programme was undertaken on the Chappelle Group #17. Intermittent preparatory work was done from April to July and diamond drilling commenced July 24, 1974. Drilling was conducted on Chappelle No. 6 mineral claim (Record #60866).

Approximately 8% of diamond drilling was done in Group No.17.

Personnel Costs

Geologist	T.J. Drown	\$44.32/day	56 days	\$2,481.92
Geologist	D.A. Currie	\$38.18/day	12 days	\$ 458.16
Core Splitter	R.M. Barr	\$22.73/day	41 days	\$ 931.93
Cat Skinner	J. Nuppenen	\$36.51/day	47 days	\$1,716.00
			TOTAL	<u>\$5,588.01</u>

Cost applied to Group 17 = 8% of \$5,588.01  
= \$447.04

Aircraft support

Fixed wing	20% of \$10,372.15	=	\$2,074.43
Helicopter	50% of \$ 4,271.50	=	\$2,135.75

Cost applied to Group 17:

Fixed wing	8% of \$2,074.43	=	<u>\$ 165.95</u>
Helicopter	8% of \$2,135.75	=	<u>\$ 170.86</u>

Rental fees for John Deere 450 tractor, used for hauling fuel for diamond drill and camp from Black Lake airstrip to drill camp 5.2 miles southeast of camp.

8% of \$2,520.70	=	<u>\$ 201.66</u>
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Fuel for John Deere tractor

8% of \$ 791.33	=	<u>\$ 63.31</u>
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Maintenance of Black Lake airstrip by John Deere tractor.

8% of \$1,000.00	=	<u>\$ 80.00</u>
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Diamond drilling and room & board for four diamond drillers, one cat skinner, one cook, one geologist and one geologist's assistant.

\$21,584.89  
 31,672.42  
 28,262.10  
20,127.75

\$101,647.16

8% of \$101,647.16 = \$8,131.77

See attached Diamond Drilling Contract between D.W. Coates Enterprises and Du Pont of Canada Exploration Limited.

See also invoices submitted to Du Pont of Canada Exploration Limited by D.W. Coates Enterprises.

Equipment Rentals

McPhar M700 Magnetometer

\$10.50/day July 25/74 - Oct. 8/74

$\frac{27}{50} \times \$787.50 = \underline{\$ 425.25}$

Hitran survey transit and tripod

July 22/74 - Sept 22/74

8% of \$105.00 = \$ 8.40

Rental diamond drill left on Chappelle property for winter.

1½ months @ \$700.00/month

8% of \$1,000.00 = \$ 80.00

Cost of supervisory staff and compiling a report

8% of \$500.00 = \$ 40.00

TOTAL EXPENDITURES APPLICABLE TO CHAPPELLE  
 GROUP NO.17 \$9,814.24

## MAGNETIC SURVEY

A magnetometer survey was done on the Chappelle property, Chappelle 4 and Chappelle 6. 5000 line feet were tested, using a McPhar M700 magnetometer, on lines spaced at 200 foot intervals with stations at 50 foot intervals along these lines. 5,000 line feet were surveyed, 2300 feet on Chappelle No. 4 and 2700 feet on Chappelle No. 6.

Values shown on the attached survey are relative values of the vertical component of the magnetic field. No diurnal adjustments were required in the survey as the survey was completed in less than three hours in a single day, and no diurnal variations were noted during that time.

### Evaluation of Magnetic Survey

The similar character of vein quartz, quartz eye feldspar porphyry, silicified andesite and limestone make it impossible to discriminate between quartz vein (which was the object of the survey) and host rock.

### Personnel

The magnetometer survey was conducted by R.M. Barr, a recent high school graduate of British Columbia, trained to use the McPhar M700 magnetometer and with at least 40 hours experience using this machine prior to doing the survey.

The evaluation was done by T.J. Drown, a geologist recently graduated (1973) in Honours Geology from the University of British Columbia.

## DIAMOND DRILL CORE STORAGE

The diamond drill core for the 1974 programme on Chappelle Groups No. 15, 16 and 17 is stored in covered wooden core boxes at the Chappelle camp approximately 3000 feet southwest of Chappelle No. 4 claim. Four boxes of core are presently at the offices of Du Pont of Canada Exploration Limited, Suite 102 - 1550 Alberni Street, Vancouver, B.C., in the event that metallurgical tests are carried out on the core during the winter months.

STATEMENT OF QUALIFICATIONS

THOMAS J. DROWN

EDUCATION:            Graduated 1973 from University of British  
Columbia in Honours Geology.

PAST EMPLOYMENT:

Summer 1970            Noranda Exploration Limited, Bathurst,  
New Brunswick.

Summer 1971            Utah Construction & Mining Limited,  
Vancouver, B.C.

Summer 1972            Utah Construction & Mining Limited,  
Vancouver, B.C.

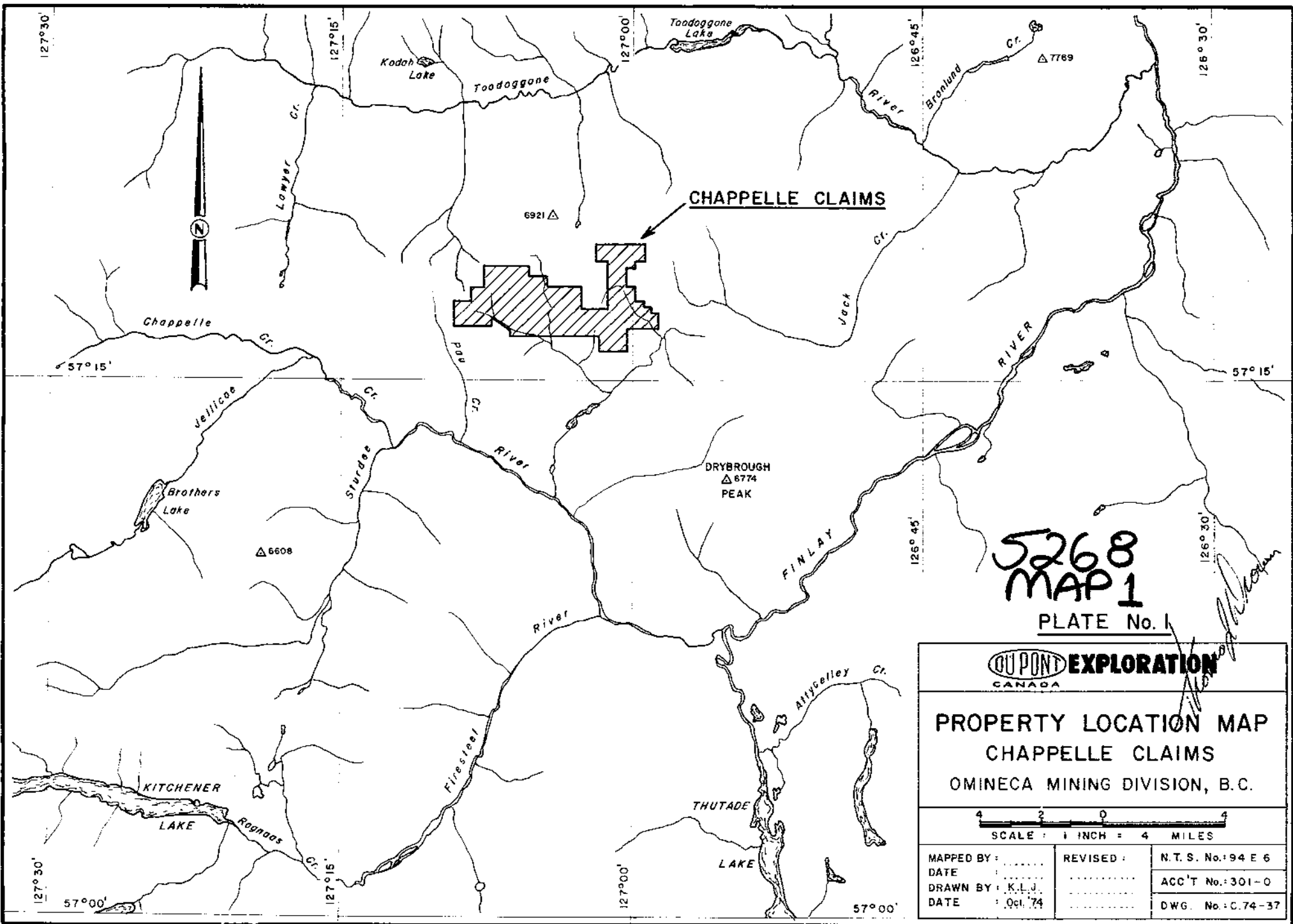
Summer 1973            Kennco Explorations (Western) Limited,  
Vancouver, B.C.

PRESENT EMPLOYER:

Du Pont of Canada Exploration Limited

TITLE:

Assistant Geologist



5268  
MAP 1

PLATE No. 1

<b>PROPERTY LOCATION MAP</b> <b>CHAPPELLE CLAIMS</b> OMINECA MINING DIVISION, B.C.		
 SCALE: 1 INCH = 4 MILES		
MAPPED BY: ..... DATE: ..... DRAWN BY: K.L.J. DATE: Oct. 74	REVISED: ..... ..... .....	N.T.S. No.: 94 E 6 ACC'T No.: 301-0 DWG. No.: C.74-37

CHAPPELLE No. 3

D.D.H. 74-13 -38°  
D.D.H. 74-14 -55°  
D.D.H. 74-15 -78°  
D.D.H. 74-16 -90°

D.D.H. 74-17 -40°  
D.D.H. 74-18 -65°

D.D.H. 74-20 -40°  
D.D.H. 74-19 -40°

CHAPPELLE No. 4

D.D.H. 74-10 -40°  
D.D.H. 74-11 -65°  
D.D.H. 74-12 -80°  
D.D.H. 74-6 -45°  
D.D.H. 74-7 -65°  
D.D.H. 74-8 -85°  
D.D.H. 74-9 -85°

D.D.H. 74-1 -38°  
D.D.H. 74-2 -65°  
D.D.H. 74-3 -85°

D.D.H. 74-4 -38°  
D.D.H. 74-5 -65°

LONGITUDINAL SECTION LINE, VEIN 'A'  
LOOKING NORTHWEST. SEE PLATE No. C.74-15

CHAPPELLE No. 6

CHAPPELLE No. 5

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 5268 MAP #2

5268  
MAP #2  
PLATE No. 2

LEGEND

- — DRILL HOLE
- TRENCH
- ADIT



**DUPONT EXPLORATION**  
CANADA

DRILL HOLE LOCATIONS  
CHAPPELLE CLAIMS  
OMINECA M.D., B.C.

400 200 0 400  
SCALE - 1 INCH = 400 FEET (Approx.)

MAPPED BY : .....	REVISED : .....	N.T.S. No.: 94 E
DATE : .....	July '74	ACC'T No.: 301-0
DRAWN BY : K.L.J.	Sept. '74	DWG. No.: C.74-1
DATE : June '74	.....	

*Montes*

APPENDIX NO. 3

DIAMOND DRILL LOGS



# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-1

SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS CHECK				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	Au	Ag	Au	Ag
						FROM	TO	WIDTH	RCVRY				
	120.8 - 125			Gouge, Brecciated, epidotized pyritic									
	125 - 126.5			Breccia composed of angular to sub-angular frags. qtz, andesite up to 1 cm in chloritic, epidotized, zeolite-bearing gmass - sli pyritic.									
	128.0-128.5			Silicified and pyritized. Mafic phenos altered and pyritized. About 1% Py.									
	130.3			Porphyritic texture distinct, similar to section prior to 110'									
	131.5 - 132			Fault breccia + gouge. Frags. to 1 cm.			112	132	20	70			
	135 - 148			Highly fractured, zeolite bearing, sli. epid. 0.5% Py.			132	154	22	85			
	145.5			Slickensides on 0° fracture @ 080° suggesting rel. horizontal movement.									
	148 - 154			Brecciated, carbonate cement, zeolite. Gouge @ 152'.			154	174		97			
	154.6-154.9			Silicified and brecciated.									
	155 - 175			Intensely brecciated criss-cross stringers of zeolite (5%) Occ. sections of fragmented. Pyrite mostly on fractures 0.5 - 1.0%.	0302		154.6	164	9.5				
	175 - 182.5			Strongly silicified - 50% SiO <sub>2</sub> , Strongly fractured About 0.5% Py. 175-177.0 More SiO <sub>2</sub> Say 60%	0303		174	195		100			
				177.0 - 182.5 35% SiO <sub>2</sub> . About 0.5% Py., mostly on fractures.	0304		175.0	177.0	2.0				
					0304		177.0	182.5	5.5				
	182.5-186.5			About 85% SiO <sub>2</sub> , sli chloritic. About 0.5% Py.	0305		182.5	186.5	4.0				
	186.5-190.5			About 35% SiO <sub>2</sub> , Sli chloritic Minor zeolite 2% Py. Fractures at 030°	0306		186.5	190.5	4.0				
	190.5-195.0			Similar to above. Split for assay purposes.	0307		190.5	195.0	4.5				









# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-2

 SHEET NUMBER 3 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
168	173			Moderately silicified light brown volcanic; 30% SiO <sub>2</sub> ; 1% Pyrite highly fractured & broken up.	0319		168	173	5	50				
173	178			Weakly to moderately silicified hble. andesite Porph; 20-35% SiO <sub>2</sub> ; 0.5% Pyrite; zeolites & quartz mixed; highly broken up; poor recovery.	0320		173	178	5	40				
178	182			Strongly silicified dark grn. volc; up to 60% SiO <sub>2</sub> . Highly broken with poor recovery; 0.5% pyrite; zeolites on fractures often with quartz, slickensides on fracture @ 30°; footwall moved down relative.	0321		178	182	6	50				
182	188			Highly broken moderately silicified dark green volcanic; 30-50% SiO <sub>2</sub> ; 0.5% Pyrite.	0322		182	188	6	35				
194	227			194 - 200 Highly broken moderately silicified andesite: 40% SiO <sub>2</sub> ; 1% Pyrite; epidote altering feldspars.	0323		194	198	4	20				
				200 - 205 Massive quartz vein; highly broken up; very poor recovery; 80-90% SiO <sub>2</sub> ; 0.5% pyrite; visible grey flecks.	0324		198	204	6	10				
				205 - 210 Mod-strongly silicified, highly broken grey volc. 1% pyrite; 45% SiO <sub>2</sub> ; poor recovery.	0325		204	208	4	25				
				210 - 216 Dark green andesitic volc, highly fractured @ 050° 1% Pyrite; minor zeolites on fractures.			210	216	6	80				
				216 - 218 Highly broken feldspar porph; phenos up to 3 mm across; weakly silicified 0.5% pyrite.										
				218 - 227 Epidote-zeolite altered hble porph. andesite; 1% pyrite; zeols. on frac. @ 040°.	0326		218	227	9	90				
227	235			227 - 233 Pyritic drk green hornblende porph. andesite; Py replaces hble phenos; 1% Py.; fractures @ 040°, minor zeolites on fractures; some bx. or tuff frags.in			227	231.5		90				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-2

 SHEET NUMBER 4 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY	Au	Ag		
				andesite.										
				233 Fault gouge & sheared vx. @ 040°.										
				233 - 235 Crushed andesitic volc; 1½% pyrite, abund. zeolites on fractures 040°.			233	235	2	85				
235	254			235 - 238 Pink mottled Feldspar Porphyry; light grey green abundant zeolite filled fractures @ 030° & 050°; 0.5% Pyrite mostly on fractures; zeols. replace F.P. phenos; 5% Zeols.			235	238	3	95				
				238 0 240 Brownish pyritic dacite porph. with minor zeolites on fractures & replacing feldspar phenos; not as porphyritic as 235-238'.			238	240	2	85				
				240 - 254 Dark green hornblende porph. andesite; 1% pyrite Epidote-chlorite along fractures @ 045°; white zeolites on some fractures, up to 3mm across.			240	254	14	65				
254	278			254 - 258.5 Dark green pyritic hble porph. andesite; 2% pyrite replacing hble. phenos; & on fractures; fracturing @ 060°, 045°; zeolites &/or pyrite fillings.			254	258.5	4.8	95+				
				258.5 Brecciated fault zone @ 050°; 1 cm across.			258.5	268.5	10	95				
				258.5-268.5 Dark green pyritized-zeolitized amphibole Porph. Andesite; 1-2% Pyrite, numerous zeol. filled frac. @ 030°, 050°; up to 5 mm across.										
				268.5 Spheroidal texture in andesite; spheroids up to 5 mm.										
				268.5 - 271 Drk grn. andesite; Amphibole Phenos; 2% pyrite.			268.5	271	3.5	95+				
				271 - 272 Highly fractured & zeolite filled Bx. zone. 2" wide; @ 060°.			271	272	1	95+				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-2

SHEET NUMBER 5 OF 7

FOOTAGE				DESCRIPTION	NUMBER	% SULFIDES	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	AU	AG		
				272 - 275			272	275	3	95+				
				275 - 276			275	276	1					
				1' thick of feldspar porph; drk-green; broken & euhedral phenos of F.P. bottomed by 1 cm of Zeolite fracture @ 030° (possible bedding attitude).										
				276 - 278			276	278	2	95+				
				Drk green amphibole porph andesite fault @ 277' @ 040°; 10 cm wide; filled with andesite frags. Zeolite, qtz & pyrite;										
278	287			278 - 280.3			278	280.3	2.3	98				
				Dark green to light green andesite with small to med. sized amphibole phenos altered to pyrite. Pyrite ≈ 1%; Zeolite with some qtz on fractures @ 050°, 030°; some fractures offset by each other.										
				280.3 - 286			280.3	286	5.7	95+				
				Dark grn. amphibole porph. andesite, with random zeolite-qtz-chlorite-pyrite filled fractures. 1% pyrite.										
				286 - 287			286	287	1	100				
				Shattered fault zone @ 020°; cemented by pyrite-zeolite-quartz; frags of green andesite; 2-3% Pyrite.										
287	310.5			287 - 292			287	292	5	95+				
				Drk green pyritic amphibole porph. andesite ghosts of amphibole only; replaced by pyrite-chlorite. 2% pyrite. Zeolite filled fractures @ 030; 080°.										
				292										
				8" wide fracture zone; fragmented andesite porph. (amphibole) cemented by quartz-zeolite-pyrite @ 020°.										
				292 - 295.8										
				Drk Grn amphibole porph. andesite with 1% pyrite.										
				295.8-297.5			295.8	297.5	1.7					
				Light green breccia with angular to sub-rounded frags. to 1½ cm; 2% Pyrite; cut by random qtz-zeolite stringers; abundant chloritic groundmass.										









# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-3

 SHEET NUMBER 2 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			% Recovery
							FROM	TO	WIDTH	
				88' well fractured @ 020°, 040°; offsets of 1 cm visible; footwall down; filled with zeolite & possible anhydrite or gypsum. Zeolites cutting-qtz- cut but pyrite						
88'	93'			88-93 drk green amphibole proph andesite; .5% pyrite; tiny zeolite veinlets, fracture fillings; @ 020°	-		88	93	5	75
				93-95 lighter green massive andesite with small amph pheno's; .5% pyrite; epidote on fractures; @ 040°						
95	119'			95-103.5 dark green prophyrite amphibole andesite .5% pyrite mostly on fractures @ 030°, 010°; minor ecolite filled fractures			95	103.5	8.5	65
				103.5-111' lighter green andesite; amph. phenos somewhat smaller; epidote-chlorite, zeol.-pyrite on fractures @ 030°			103.5	111	7.5	65
				111-114 highly broken up light green andesite; chlorite- pyrite altered, .5% pyrite.			111	114	3	50
				114-119 dark grn amphibole proph. andesite, amph. phenos are sometimes only ghostly; .5% pyrite fractures common @ 045° and 030°			114	119	5	75
119	128'			119-128 drk grn andesite hornblende porphyry; pyrite- epidote on fractures 1mm wide @ 030°; 1% pyrite			119	128	9	80
				126' - 4" zone of cataclasite; with zeolite & gouge @ 030° 126' fragmented over 1cm; pyrite-epidote filling in walls.						
128'	147.2			128-129' weakly silicified andesite; light grey with faint remnant texture visible; 1% pyrite.			128	129	1	80
				129-131.5' lighter green andesite with small faint hbl phenos: zeolite filled fractures @ 000°, 1-3mm wide; .5% pyrite			129	131.5	1.5	65

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-3

SHEET NUMBER 3 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS		
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				% Recovery
							FROM	TO	WIDTH	RCVRY	
				131.5 - 136 drk grn amphibole proph andesite, moderately fractured @ 045°; 1% pyrite; pyrite filled fractures @ 010° @ 134°			131.5	136	4.5		70
				136'-141' highly broken amph. andesite proph; poor recovery zeolite fractures; 1% pyrite			136	141	5		25
				141-147.2 drk grn pyritic amphibole proph. andesites chloritized & pyritized 1-2% pyrite; zeolites on fractures at mainly 010° & 040°; pyrite abundant on fractures.			141	147.2	6.2		70
147.2	155.6			147.2 - 150' drk grn amphibole proph. andesite; phenos 1-2mm; fractures at 005°; 045°; minor zeolites; 1% pyrite pyrite as disseminations and on fractures			147.2	150	2.8		75
				150-151' weakly silicified amphibole porph. andesite colour to brownish-grey:			150	151	1		60
				151-155.6' drk grn porph amphibole andesite; .5% pyrite; fault at 152' @ 060° footwall down. Zeolites and slickensides on fault surface.			151	155.6	4.6		75
				154.5 zeolite fracture offsets pyrite filled fracture: @ 040°							
155.6	158			highly broken weakly silicified andesite; marked colour change to grey-brown: 1% pyrite. fractures @ 050°; 040°. pink zeolites on most fractures : 35% SiO <sub>2</sub>	0330		155.6	158	2.4		65
				158-159.5 grn crushed and fractured andesite with many zeolite veinlets & fracture fillings; some quartz: 1% pyrite fault zone @ 030° footwall down; zone: 6" wide:			158	159.5	1.5		70
				159.5'-160.5' highly silicified volcanic only 1' wide: .5% pyrite; chlorite in qtz along fractures. 050°							



# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-3

 SHEET NUMBER 5 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			%	RCVRY		
							FROM	TO	WIDTH			RCVRY	
				cemented by quartz.									
				197-202 less intense silicification; zeolite qtz mixed in fractures @ 020°; and in ground mass 30% SiO <sub>2</sub> ; 1% pyrite dissem & in fractures	0333		197	202	5			75	
202	208			Weakly silicified crushed amphibole porph andesite cut by 1 cm wide quartz veins: @ 005°; 030°; 1% pyrite 10% SiO <sub>2</sub> ; veins spaced @ 204'; 206' 207'. Prominent fault zone @ 015°; about 4" wide with gouge: cementing of pyrite zeol-qtz with some epidote	-		202	208	6			90	
208	214			same as above with less brecciation and more massive andesite amphibole porphyry: some lightened in colour by silicification & zeolitization: 1% pyrite 5% SiO <sub>2</sub> Quartz veinlet @ 206' @ 015°; with pyrite			208	214	6			90	
214	216			drk grn amph; porphyry andesite; abundant chl-epidote-pyrite altn; pyrite replaces amph: Ep after feldspars; 1% pyrite zeolite filled fractures @ 040°. Pyrite with zeols sometimes			214	216	2			95	
216	220			drk grn with brown patches; partly crushed & silicified amphibole porphyry andesite, veinlets of qtz 1 cm wide @ 030°; zeolite fracture @ 030° offset by fracture @ 000° 1 cm			216	220	4			95+	
220	224			10% SiO <sub>2</sub> ; mainly as qtz-veinlets 220-224. Moderately silicified andesite; amphibole porphs still visible: 35% SiO <sub>2</sub> ; 1% pyrite, light to drk grn with buff-brown patches where silicification more intense; Qtz veins to 2 cm @ 030° at 220.5', 221', 221.5', 222' 9" qtz-vein @ 040° with pink zeolite mixed: 5% pyrite; some gouge at base of vein in wallrock approx. 1"	0334		220	224	4			95	





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-3

 SHEET NUMBER 8 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			% Rcvry
							FROM	TO	WIDTH	
317	334			Lt. grn weakly silicified crushed amphibole porphyry andesite, abundant epidote-chlorite in ground mass. 2% pyrite: mostly replacing amphiboles & on fractures: zeolite-carbonate filled fractures evenly spaced every 2" @ 030°; most less than 3 mm: many rich in pyrite-epidote 322' Strong pyrite filled shear 1" wide with offset @ 020° foot-wall down; 332' Pyritized shear @ 020°; footwall down 1 cm; 1 cm wide	317	334	17		96+	
334	339			Lt. to drk grn. highly fracture crushed amphibole porphyry volcanic (andesite or dacite?) numerous fractures filled with clear soft mineral (Gypsum Anhydrite) usually with zeolites; fragments up to 5 cm across fracture fillings up to 1-1/2 cm; @ 030°; spaced uniformly every 2-3"; 339- Strong shear filled with pyrite & frags: 2" wide; @ 035° (with Gypsum Anhydrite)	334	339	5		100	
339	340			Lt. grn dacite with amphibole pheno's; parallel feldspar pheno's @ 035°; partly fragmented. 1% pyrite replacing amphiboles	339	340	1		100	
340	343			Grn. amphibole proph. andesite; largely crushed & highly fractured; pyrite 2%.	340	343	3		100	
343	357.8			Drk. grn massive amphibole proph. andesite; random zeolite filled fractures: strong zeolite & anhydrite @ 349'-349.5' @ 030°; 2% pyrite after mafics & in fractures 1-2mm: 353' pyrite epidote bands @ 075° 2 cm wide; over 6".	343	357.8	15.8		97+	
357.8	371			Grn andesite volcanic flooded with zeolite or anhydrite; numerous veinlets randomly oriented; up to 2 cm; mostly @ 035°; 1% pyrite on fractures & after mafics fractures of pyrite to 3mm:	357.8	371	13.2		95+	









# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-4

 SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			Au	Ag	% Rcvry		
							FROM	TO	WIDTH				RCVRY	
77'	80'			Lt. grn to grn feldspar porphyry with some Qtz-eyes; feldspars partly sericite-clay; 1% pyrite.			77	80	3			40		
80'	89.4			Lt. grn-gray strongly fracture siliceous feldspar porph: Phenos only remnants & ghostly. fractures @ 050° with rust, 1% pyrite.			80	89.4	9.4				75	
89.4	96			Highly broken grey Qtz-feldspar porphyry; Qtz phenos minor; to 2mm .5% pyrite; rusty on fractures @ 040°									70	
96'	106			Highly broken Qtz-feldspar porphyry; grey-pink mottled: very poor recovery.			96	106					8	
106	108			Grey-pink mottled Qtz-feldspar porphyry; euhedral pheno's of Qtz & f.p. 1-3mm; .5% pyrite; feldspars largely clay altered 107' 2" gouge @ 050°:			100	108					90	
108	109			Same as 106-108			108	109					40	
109	114			Same as above with good recovery: .5% pyrite	0343		109	114	5				85	
				-112' fault gouge @ 030°; 2" wide with pyrite filled brecciated on upper and lower walls:										
				112-113 lighter grey with fewer pink feldspars but remains porphyritic.										
114	115			Pink mottled grey feldspar porphyry: .5% pyrite										
115	119			Lt. grey clay altered Qtz-felds.-porphyry; strongly fractured @ 030°; 5mm Qtz-veinlets @ 030° @ 117'; appears moderately silicified; grey flecks in grndmass; possibly argentite but could be v.f.g. pyrite.	0344		115	119	4				90	
119	128			Lt. grey-pink mottled rhyo-dacitic Qtz-feldspar porphyry; euhedral- anhedral phenos at f.p.: blebs of quartz to 3mm; .5-1.0% pyrite: variably argillited:			119	128	9				90	

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-4

 SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS Check						
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag	Rcvry %	Au	Ag
							FROM	TO	WIDTH	RCVRY					
128'	137			Quartz-eye feldspar. porphyry; pink mottled; .5% pyrite: slickensides on fracture @ 030°; 010° footwall down. feldspars partly altered to clays and sericite:			128	137	9				95		
137	143			Lt. grn-grey pink mottled qtz-eye feldspar porphyry; highly fractured & broken; open fractures with rust @ 080° @ 140-141' .5% pyrite			137	143	6				90		
143	149			Lt. green-grey, lighter colour than 137-143; due to more intense argillite alt'n; very crumbly with rust on fractures @ 040°; 080°			143	149	6				90		
149	154			Lt. grey moderately argillited & silicified qtz-eye feldspar porphyry; f.p. phenos ghostly; rust on fractures @ 040°: .5% pyrite very fine grey material in fractures; (Pyrite?).	0345		149	154	5				85		
154	165.5			Grey argillited qtz-eye feldspar porphyry; f.p. phenos smaller 1.2mm: Quartz eyes variable: 1% pyrite: rust on fractures.			154	165.5	11.5				85		
165.5	171			Grey massive looking qtz-eye feldspar rock: only remnant feldspar phenos; strongly argillited & weakly silicified; pyrite blebs in v.t.g. aggregates give mottled texture: 1% pyrite up to 30% SiO <sub>2</sub>	0346		165.5	171	4.5				95		
171	177			Same as above, with more fractures; broken up: some rust on fractures:	0347		171	177	6				90		
177	191			Grey qtz-eye feldspar rock with remnant f.p. phenos 1-2mm			177	191	14				90		
191	196			Drk grn figr. andesite; with figr amphibole phenos: trace pyrite; probably dyke: highly broken & poor recovery			191	196	5				10		
196	200.5			Massive quartz vein; vuggy with .5% pyrite and greenish smears of chlorite-pyrite: poor recovery: 90% SiO <sub>2</sub> +	0348		196	200.5	4.5				70		
200.5	202			Massive quartz; with greenish smears of chlorite-pyrite .5% pyrite vuggy, very crumbled, poor recovery:	0349		200.5	202	1.5				35		

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-4

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	NUMBER	% SULFIDES	SAMPLE				oz/ton ASSAYS Check				
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	Au	Ag	Rcvry	Au	Ag
202	204.5			Very crumbled, possibly caved material; greenish silicified andesite.			202	204.5	2.5				5		
204.5	209			Highly broken up quartz & silicified volcanic; poor recovery: poor sample possible caved rock:	0350		204.5	209	4.5				6		
209	212			Very crumbled quartz vein; as above; poor recovery possibly caved material	0351		209	212	3				5		
212	214			Very broken up silicified (20% $SiO_2$ ) & crushed andesite; .5% pyrite fractures @ $040^\circ$ .	0352		212	214	2				40		
214	217			Highly fractured & broken up zeolitized andesite; drk grn .5% pyrite; much chlorite: fractures @ random orientations.			214	217.5	3.5				80		
217	224.8			Lt. to drk green dacite or weakly silicified andesite; small amphibole phenos 1 mm; 1% pyrite; ghostly outlines of feldspar. Less than 1mm; highly fractured & broken; $010^\circ$ , $080^\circ$ .											
				217-218			217	218	1				80		
				218-221			218	221	3				10		
				221-224.8			221	224.8	3.8				75		
224.8	241			Lt. to drk grn andesite (Dacite?) fragmental; tiny mafics; frags are variably altered; epidote-clay in feldspars. Pyrite in groundmass & filling open spaces between frags. 1% pyrite fractures strong @ $035^\circ$			224.8	241	16.2				80		
241	247.5			Drk green fragmented or tuffaceous amphibole porph. andesite: amphibole phenos 2-4mm. 1% pyrite, strongly fractured & broken up.			241	247.5	6.5				90		
247.5	251			Same as above (241-247.5)			247.5	251					80		
251	256.5			Drk green amphibole porphyry andesite; amphibole phenos 2-3mm 2% pyrite; on fractures & disseminations; fracturing @ $035^\circ$ ; minor zeolite filled fractures:			251	256.5	5.5				95		







# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-5

 SHEET NUMBER 2 OF 7

FOOTAGE				DESCRIPTION	SAMPLE NUMBER	% SULFIDES	SAMPLE FOOTAGE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	Au	Ag				
64.5	65.5						Same as above 50'-64.5			64.5	65.5	1.5				
65.5	74			Siliceous grey-pink qtz-eye feldspar porph. (rhyodacite) abundant qtz-eyes and qtz veinlets at 030° @ 171.5'; 173'			65.5	74	8.5	95+						
				- 65' qtz breccia 8" wide, angular frags of qtz cemented by darker colour qtz .5% pyrite.												
				- numerous pyrite filled tiny frac's @ 030°; many open rusty frac's:												
74'	78'			Siliceous qtz-eye porph.; more abundant qtz-eyes and appears to be further silicified, feldspar pheno's only ghostly remnants. pyrite in hairline frac's @ 030°. Qtz-eyes to .5cm. Pink-brown groundmass.	0354		74	78	4	100						
78'	87'			Siliceous grey-pink qtz-eye feldspar porph.; with strong fracturing @ 030°;			78	87	9	100						
				- 83' - 84' silicified qtz-eye porphyry with pyrite filled frac. @ 005° 1" wide;												
				84.5' 1" wide qtz-breccia zone @ 030°; vuggy with pyrite & zeolite												
				85' ½" wide qtz veinlet @ 020° with pyrite @ interior of veinlet												
87'	88.6			Lt. to drk. green qtz-eye feldspar porph.; pink mottled feldspars			87	88.6		90+						
				88' 4" fault gouge												
				88' - 88.6' darker green volcanic; weakly silicified, possibly andesite.												
88.6	91			Dark green feldspar porph.; phenos lmm; no visible qtz-eyes			88.6	91	2.4	70						
91	92			Dark green weakly silicified hble. porph. andesite; trace pyrite			91	92	1	55						
92	93			Green weakly silicified andesite; .5% pyrite; highly broken up into pebbles:			92	93	1	90						

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-5

 SHEET NUMBER 3 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY					
							FROM	TO	WIDTH	RCVRY				
93	96			Pink to grey qtz-eye feldspar (rhyodacitic) porph.; variably argillized & weakly silicified 1% pyrite; frac's @ 020°, 045°.			93	93	1	90				
96	98			Pink, grey mottled qtz-eye feldspar porph.; .5% pyrite, clay altered feldspar phenos; qtz-eyes variable in size: v.f.g. to 2mm			96	98	2	95				
98	103			Grey strongly argillized qtz-eye feldspar porphyry: 1% f.g. pyrite fracturing @ 030°;			98	103	5	95+				
				102.5' fault gouge; 2" wide, @ 030°, footwall down:										
103	103.8			Same as 98-103										
103.8	104.5			Pink, grey mottled qtz-eye feldspar porph., qtz-eyes to 3mm; some large lcm pink feldspar phenos at random:			103.8	104.5	.7	95				
104.5	107			Pink qtz-eye feldspar porphyry			104.5	107	2.5	65				
107	108			Crushed argillized qtz-eye porph.: fault, @ 080°; trace pyrite			107	108	1	85				
108	113.8			Pink grey mottled qtz-eye feldspar (rhyodacitic) porph.; qtz-eyes to .5cm; feldspar phenos to 3mm; frac's @ 030°, 045°; .5% pyrite as disseminations.			108	113.8	5.8	98				
113.8	115.5			Strongly argillized qtz-eye porph.: pyrite filled frac's. @ 030° @ 113.8'; 2% pyrite, often in f.p. phenos.			113.8	115.5	1.7	100				
115.5	123.5			Pink-grey mottled qtz-eye feldspar porph.: pink & white f.p. phenos in pink groundmass; qtz-eyes to 6mm; frac's @ 060°.			115.5	123.5	8'	95+				
123.5	131			Pink grey mottled qtz-eye feldspar porph.; weakly argillized along frac's @ 030°; @ 126.5'; & 130' over 3" length; 1% pyrite.			123.5	131	7.5	98				
131	133			Grey weakly-moderately argillized qtz-feldspar porph.: qtz-eyes stand out as tiny qtz pebbles in clays after f.p.'s.			131	133	2	98				
133	136'			Grey argillized qtz-f.p. .5% pyrite			133	136	3	85				
136'	137'			Same @ 133-136			136	137	1	40				
137	138			Same, with zeolite fracture @ 060°; strongly fractured			137	138	1	90				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-5

 SHEET NUMBER 4 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	Au	Ag			
							FROM	TO						WIDTH
138	142			Weakly silicified & moderately argillized q.f.p. .5% pyrite; qtz-eyes variable v.f.g. to 2mm; 141.5' fault gouge & 4" crushed zone in argillized q.f.p. frac's strong @ 030°, 080°.			136	142	4	90				
142	150			Weakly silicified grey qtz-feldspar porph.; tiny hairline qtz- veinlets @ random; f.p. phenos ghostly; with greenish tinge (sericite?) remnant fig. mafics altered to pyrite: 1% pyrite 10% new qtz:	0355		142	150	8	75				
150	156			Grey qtz-eye feldspar porph.; weakly silicified & argillized tiny hairline qtz-veinles @ 030°, 080°; criss-crossing; qtz-eyes are shattered: .5% pyrite relic f.p. phenos: largely greenish. (sericite) frac's @ 045°.	0356		150	156	6	85				
156	161			Light green weakly argillized qtz eye feldspar porph. .5% pyrite f.p. phenos largely clay altered: frac's @ 060°; bleaking near fractures			156	161	5	85				
161	168			Highly broken argillically altered qtz-eye f.p. porph.			161	168	7	50				
168	173			Variably altered green-grey qtz-eye feldspar porph.; clay alt'n dominant with local silicification near tiny qtz-veinlets: 1% pyrite: 168-169 crushed zone with zeolite-clay mafix: 2% pyrite. 169.5 5" of highly clay altered q.f.p. with qtz-eyes as pebbles in clay mass.			168	173	5	80				
173	174.5			Light green weakly silicified-sensitized qtz-eye feldspar porphyry: feldspar phenos white to light green in greenish fig. groundmass: (sericite now?) silicification adjacent 1-2mm qtz veinlets; .5% pyrite.			173	174.5	1.5	80				



# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-5

 SHEET NUMBER 6 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE							
							FROM	TO	WIDTH					RCVRY
248	268			Dark green andesite amph. porph.; very poor recovery			248	268	20	10				
268	284			Dark green highly broken up andesite amph. porph.; 1% pyrite; 2mm zeolite frac's @ 035°.			268	284	16	25				
284	292			Lighter green figr. andesite; with tiny amph. phenos. 1% pyrite Abundant zeolite-annhydrite filled frac's @ 035°; minor pyrite filled frac's @ 035°;			284	292	8	95				
292	292.5			Crushed zone @ 050°; cemented with zeolite-pyrite-annhydrite(Gypsum)										
292.5	317			Dark green andesite amph. porph.; phenos to 4mm; 1% pyrite; as dissem. & on frac's @ 045°; abundant gypsum-annhydrite filled frac's: highly broken up; poor recovery			297.5	317	24.5	55				
317	326			Dark green andesite amph. porph.; numerous zeolite-annhydrite filled frac's mostly @ 010° & 030°; about every 4"; 1% pyrite crushed zones cemented by zeolite @ 320', 322', 325.8' all @ 060°			317	326	9	95+				
326	330.8			Dark green andesite amph. porph.; with zeolite-gypsum filled frac's @ 040°; every 6" or so.			326	330.8	4.8	100				
330.8	331			Dark green fig. andesite; probably dyke; cut by zeolite filled frac's @ 035°;										
331	335			Dark green highly zeolitized (fractures) andesite amph. porp. 10% zeolites & annhydrite; crushed zones cemented by zeolite- gypsum @ 040°; @ 331.5'; 332.5'.			331	335	4	100				
335	339			Dark green; pink striped zeolitized andesite amph. porph. pink zeolite & annhydrite (gypsum) frac's @ 050°; 030° criss- crossing crushed zones @ 338'; 339'; 4" wide @ 040°.			335	339	4	100				
339	340.5			White-grey gypsum (annhydrite) rich brecciated andesite; up to 50% gypsum:			339	340.5	1.5	100				



# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. Coates Ltd.  
 HOLE NUMBER: 74-6 LENGTH: 351'  
 LOCATION: Chappelle DIP: -045° @ Collar  
 LATITUDE: 6630.15 N DEPARTURE: 39,062.27 E  
 ELEVATION: 5704.0' AZIMUTH: 130°  
 HOLE STARTED: 1/8/74 HOLE COMPLETED: 2/8/74

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
351	-044½				

SHEET No.1 OF: 5  
 HOLE NUMBER: 74-6  
 PROPERTY: Chappelle  
 ACCOUNT No.: 301-0  
 CORE SIZE: BQ  
 % CORE RECOVERY:  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	WIDTH	RCVRY				
0	36			Overburden										
36	52.3			Strongly broken up. clay altered & leached (weathered) qtz-eye feldspar porph.; rust on frac's @ 040°, 080°				52.3			80			
52.3	78.5			Lt. to Drk green andesite amphibole porph; well fractured & weathered (leached) rust on fractures @ 060°; often criss-crossing; .5% pyrite, minor pyrite-zeolite filled frac's @ 030° 060° throughout.			52.3	78.5	26.2		75			
78.5	86.8			Dark green andesite amphibole porph. (phenos 1-3mm) .5% pyrite: Pyrite - zeolite filled frac's @ 030°, 060°: 80' 3" rusty gouge @ 030°.			78.5	86.8	8.3		80			
86.8	93			Highly broken; rusty andesite amph. porph; zeolite filled frac's @ 040°; 005°.			86.8	93	6.2		65			
93	94			Dark green crumbly and amphibole porph; .1% pyrite; poor recovery			93	94	1		40			
94	98			Same @ 93-94; amphibole phenos 2-5mm; 1% pyrite; most as dissem. minor zeolites on frac's @ 040°; rusty frac's			94	98	4		60			
98	112			Drk green andesite amph. porph, most on frac's; phenos to 6mm .5% pyrite to 1%; in part rusted out by weathering; partly replacing amphiboles. frac's @ 030°; pyrite filled fracture or fault zone @ 106-106.5' @ 030°.			98	112	14		90			





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-6

 SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Ag	Au		
							FROM	TO	WIDTH	% RCVRY				
176.4	181			Highly broken dark green andesite amph. porph.; 2% pyrite: mostly dissem.; fracturing @ 005°, 045°; minor zeolites on frac's			176.4	181	4.6	60				
181	196			Dark green andesite amph. porph.; 2% pyrite 188' crushed zeolitized zone @ 030°; 3" wide. 191.4 hairline pyrite filled frac's @ 020, 030°;			181	196	15	85				
196	205			Dark green andesite amph. porph.: 2% pyrite; fracturing @ 030, 070° 198-198.5 pyritic-zeolite filled shear of fracture with crushed walls @ 020°. 199' 4" of crushed & silicified andesite amph. porph. 204-205 zeolitized zone @ 025°;			196	205	9	90				
205	208			Andesite amph. porph. with zeolite filled frac's @ 030°										
208	215			Dark green and. amph. porph.; strongly pyritized with narrow qtz-veinlets @ 030°; with zeolites; grey mineral possible hematite or ufigr? pyrite some epidote with silicification near veinlets	0357		208	215	7	90				
215	227			Dark green andesite amph. porph; frac's @ 030°, 060°; 2% pyrite mostly disseminated, some on frac's: 220' zeolite filled fracture @ 030°; strong zeolites in crushed zone from 220.5 - 221' @ 020°			215	227	12	98				
227	233			Dark green and. amph. porph. zeolited filled frac's @ 030°, 000°; 1% pyrite; well fractured.			227	233	6	95				
233	241			Dark green and. amph. porph.: zeolite filled frac's @ 030°, 060°;			233	241	8	95				
241	245.5			Weakly silicified andesite amph. porph.: 1 cm wide qtz-veinlets @ 035°; generally with pyrite & zeolites; local silicification of wall rock near veinlets.	0358		241	245.5	4.5	90+				
245.5	250			Intensely silicified and. amph. porph.: 60% SiO <sub>2</sub> ; Auger: 247.5-248.5 80% SiO <sub>2</sub> with Pyrite veinlets @ 015° relic texture visible.	0359		245.5	250.5	5	95+				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-6

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS Check					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Ag	Au	Ag	Au
							FROM	TO	WIDTH	RCVRY				
250	255.5			Intensely silicified and. amph. porph.: 1% pyrite: frac's @ 050°; 80% SiO <sub>2</sub> ; qtz zones @ 060°; pyrite veinlets @ 030°; 1" fault gouge @ 254' (footwall up).	0360		250.5	255.5	5	95				
255.5	259.5			Strongly silicified porphyritic volcanic; pyrite filled frac's @ 030° every several inches; relic porph. texture visible: 35% SiO <sub>2</sub>	0361		255.5	259.5	4	95				
259.5	265			Strongly silicified volc. porphyritic rock; some zeolites-pyrite on frac's @ 030°; .5% pyrite 35% SiO <sub>2</sub> .	0362		259.5	265	5.5	90				
265	269.5			Strongly silicified volcanic; 55% SiO <sub>2</sub> . qtz zones trend 010°; pyritic frac's 1mm @ 030°. Relic texture barely visible.	0363		265	269.5	4.5	95				
269.5	274			Strongly silicified greenish volcanic. 1% pyrite 40% SiO <sub>2</sub> ; Siliceous zoned @ 030° with pyrite.	0364		269.5	274	4.5	95				
274	276.5			Massive vuggy pyritic qtz-vein; grey colour; .5% pyrite 90% SiO <sub>2</sub> +	0365		274	276.5	2.5	100				
276.5	278.4			Weakly silicified andesite, amph. porph.: 15% SiO <sub>2</sub> . qtz veinlet 1" wide @ 278'; @ 040°; with pink zeolite & pyrite.	0366		276.5	278.4	1.9	95+				
278.4	287			Dark green andesite amph. porph.; cut by narrow qtz-veinlets @ 278.6 @ 020°; 280 @ 080°; 285 @ 030°; 286 @ 080°			278.4	287	8.6	95				
287	292			Moderately silicified and. amph. porph.; riddled with qtz-veinlets & locally silicified near veinlet contacts. 287.3' crushed zone with qtz-vein @ 040°; 3" wide cemented by qtz-vein, pyrite & silicified fragments; (25% SiO <sub>2</sub> overall) 1" qtz-vein @ 080° at 291.8'; pyrite 1%; some zeolites @ 040°	0370		287	292	5	95				
292	297			Silicified andesite, amph. porph., as above; 30% SiO <sub>2</sub> ; mostly in veinlets up to 1"; @ various angles; 080° & 030°; 1% pyrite; zeolite veining @ 080°; relic texture visible:	0371		292	297	5	95				
297	304			Weakly silicified & zeolitized andestic volcanic; remnant amph.	0374		297	299.5	2.5	98				





## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-7

SHEET NUMBER 2 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY					
							FROM	TO						WIDTH
68.2	77			Drk green andesite amphibole porph; amph. phenos to 4mm: .5% pyrite; zeolite-pyrite filled fractures common @ 030°; 69.8' - fault zone 2" wide with zeolite & crushed volcanic @ 030° 75' - 2" fault gouge @ 035°; pyrite on fractures			68.2	77	8.8	90				
77	90			Drk green moderately fractured andesite amph. porph; phenos of amphibole to 5mm, .5% pyrite, mostly on fractures minor zeolite fractures @ 080°, 040°; Amph. phenos appear unaltered 87.4' fault @ 040°, cemented with pyrite-zeolite			77	90	13	95				
90	107.6			Drk green andesite amphi. porph.; very large amph. phenos to 5mm euhedral; .5% pyrite; fracturing @ 005°, 030°; filled with pyrite- limonite minor zeolites: 97' crushed zone 1" wide @ 030°:			90	107.6	17.6	90				
107.6	113			Weakly to moderately clay altered andesite amph. porph.; matrix of rx. largely to soft powdery clay; groundmass bleached white- gray; amphiboles chloritized; highly broken & crushed:			107.6	113	5.4	85				
113	138			Lt. to drk. green variably argillized & chloritized andesite amphibole porph.; highly broken up; abundant zeolites on fractures @ 020°, 030° 125' 3" crushed zone @ 035° with py-zeolites 128 fault @ 020°; strongly chloritized & epidotized along facet 135-138 relatively fresh andesite amph. porphyr.			113	138	25	90				
138	148			Drk. green and. amph. porph; highly broken; .5% pyrite mostly on fractures; minor zeolites. fault @ 146.5' @ 030°; trace hematite on frac's.			138	148	10	95				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-7

 SHEET NUMBER 3 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	%				
148'	161			Drk. green andesite augite porph; highly broken; fractures mainly @ 030°, 010°; with pyrite; anhydrite @ 148.3' @ 075° in fracture.			148	161	13	90				
				153.5' crushed & zeolitized, fault; attitude unsure:										
161'	193'			Drk. green andesite augite porph. 1% pyrite as disseminations & on fractures: augite phenos to 5mm.										
				161-165' - weakly argillized & sericitized; bleached medium drk grn.			161	165	4	90				
				165-173 highly broken; fractures @ 030°, 010°, 070°; trace of hematite on fractures.			165	173	8	80				
				173-193 - highly broken; 1% pyrite; minor zeolites on fracture 180' @ 030°;			173	193	20	60				
				187' - crushed zone 3" wide; with chlorite-zeolites; fault?										
193'	204.5			Drk. green pyrite andesite augite porph; 2% pyrite dissem. & on fractures minor epidote on frac's augite phenos to 4mm; fractng strong @ 030°, 00°; red-brown hematite stain on frac's; zeolites common on fractures; sericite in feldspar phenos.			193	204.5	11.5	90				
204.5	219.4			Drk. green highly fractured andesite augite porph; 2-3% pyrite partly replacing augite phenos. epidote-pyrite in fractures; zeolites common.			204.5	219.4	14.9	80				
				217' - silicified fault zone 2" wide @ 020°; footwall up; at 050° to horizontal (ie horizontal movement).										
219.4	241			Drk. green (nearly black) andesite augite porph. with much dark green chlorite & sericite altered feldspars: 2% pyrite; hematite stain on frac's; staining zeolites red: frac's @ 005°, 040°;										
				(criss-crossing) much pyrite on fractures:										
				219.4-221 - Crumbly; poor recovery			219.4	221	1.6	55				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-7

 SHEET NUMBER 4 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				oz/ton		ASSAYS	
							FROM	TO	WIDTH	RCVRY	Ag	Au		
				221-231' strongly fractured andesite Aug. porph: -221.5 slickensides @ 010°; footwall up: -229' fault gouge with pyrite zeolite @ 005°; (no motion avbl)			221	231	10	90				
				231-241' highly broken up: zeolites in frac's @ 030°; much drk. green chlorite in andesite; with green sericite in ground-mass. Poorer recovery:			231	241	10	65				
241'	246.5			Pink moderately silicified volcanics relic. f.p. phenos visible; 2% pyrite: fracturing @ 030°, 010°, 080°; zeolites common from 241-243'; 30% SiO <sub>2</sub> :	0376		241	246.5	5.5	95+				
246.5	253			Moderately silicified volcanic? 1% pyrite: (as above) strongly fractured; some blue-gray flecks; MoS <sub>2</sub> ? Covellite; Argentite? 30% SiO <sub>2</sub> .	0377		246.5	253	6.5	95				
253	260.5			Pink-grey strongly silicified volcanics: (as above) Some 4" sections of 70% SiO <sub>2</sub> : 40% SiO <sub>2</sub> overall:	0378		253	260.5	7.5	90				
260.5	268			255-256.5' Silicified fault zone @ 050°; crushed Weakly silicified volcanics: grey-green: 1% pyrite: Blue-grey veinlets? Covellite: MoS <sub>2</sub> ? Argentite: )	0379		260.5	268	7.5	85				
268'	275			Grey, pink mottled zeolitized & silicified volcanics: 10% zeolite in frac's; @ 030°, 075°; fault @ 274' @ 040°: crushed zone:	0380		268	275	7	95				
275'	285			Strongly silicified volcanics; pink mottled with zeolite filled frac's at random; qtz veinlets @ random: 1% pyrite: 50% SiO <sub>2</sub> . Some blue-grey wisps?										
				275-280	0381		275	280	5	95				
				280-285	0382		280	285	5	95				
285'	290'			Strongly silicified pink mottled volcanic; veinlets of blue-grey figrimineral @ 040°: some massive qtz 286-287.5	0383		285	290	5	98				









# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. Coates Ent.  
 HOLE NUMBER: 74-8 LENGTH: 404'  
 LOCATION: Chappelle DIP: -0.85° @ Collar  
 LATITUDE: 6630.15 N DEPARTURE: 39,062.27 E  
 ELEVATION: 5704.0' AZIMUTH: 130°  
 HOLE STARTED: 4/8/74 HOLE COMPLETED: 7/8/74

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

SHEET No.1 OF: 6  
 HOLE NUMBER: 74-8  
 PROPERTY: Chappelle  
 ACCOUNT No.: 301-0  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY				
0	6'			Overburden										
6'	16			Light grey-brown qtz-eye feldspar porph.; leaded with rust on frac's; 6-10'; clay altered (or weathered); .5% pyrite; fig. qtz-eyes: criss crossing frac's @ 035°; 040°.			6	16	10	60				
				14' 1" fault gouge @ 070°. minor fracturing @ 015°.										
16	31			Grey, pink-mottled qtz-eye felsic rock; minor qtz-veinlets 1mm at 060°; .5% pyrite relic mafics visible; variably clay altered - 25.5' gouge & crushed zone; 4" wide attitude?			16	31	15	75				
31	36			Crumbly highly broken qtz-eye feldspar porph. poor recovery			31	36	5	45				
36	55			Strongly fractured & clay altered grey qtz-eye feldspar porph. rusty frac's @ 030°; 080°; zeolites common with rust stain. .5% pyrite;			36	55	19	80				
				48-51' strong zeolites on frac's.										
55	59			Grey qtz-eye felsic rock; in part porphyritic; .5% pyrite, highly fractured;			55	59	4	65				
59	69.5			Grey highly fractured qtz-eye feldspar porph.; .5% pyrite, pyrite on frac's & as disseminations. frac's @ 030°; 45°; 80°; Variably clay altered										
				59-64 highly broken, poor recovery			59	64	5	50				
				64-69.5 well fractured, better recovery			64	69.5	5.5	85				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-8

SHEET NUMBER 2 of 6

FOOTAGE				DESCRIPTION	NUMBER	% SULFIDES	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	% RCVRY	Ag	Au				
69.5	79			Pink mottled grey qtz-eye feldspar porph; figr. qtz-eyes			69.5	79	9.5	80						
79	81			Dark green andesite augite porph; crushed and clay altered, 2% pyrite; contact with q.f.p. rusty frags.			79	81	2	60						
81	88			Dark green andesite augite porph; .5% pyrite			81	88	7	95						
				81.5' fault with pyritic-zeolite-qtz gouge 1" wide @ 030°												
				82.5' 1/2" wide zeolite zone @ 015°; fault?												
				- zeolite filled frac's every 3" or so @ 070°:												
				87.8' fault with gouge @ 015°; with chlorite & 4" gouge.												
88	110			Dark green strongly fractured andesite augite porph.; fracturing @ 030°, 045°, 080°, 015°; .5% pyrite mostly on frac's; augite phenos 2-3mm; zeolites common on frac's:												
				88-102' good recovery; 97' fault @ 010°; gouge 1/2"			88	102	14	90						
				102-110 oorer recover; highly broken;			102	110	8	50						
110	139.5			Dark green well fractured andesite augite porph.; .5% pyrite; frac's common @ 045°, 060°; minor zeolites-pyrite on frac's; augite phenos 2-3mm; partly pyritized-chloritized.			110	139.5	29.5	70						
139.5	167.5			Dark green (highly broken) andesite, aug. porph. .5% pyrite; largely on fracture surfaces 015°, 070°, 045°; (good recovery) minor zeolite filled frac's throughout.			139.5	167.5	28	75						
167.5	179.5			Dark green andesite augite porph. .5% pyrite, highly fractured as above; minor zeolite filled frac's. (Drilling with mud)			167.5	179.5	12	80						
				- 171' fault with gouge 1" wide @ 015°; motion? much drk green chlorite.												
				- 179 1/2" zeolite filled fracture @ 005°.												
179.5	181			Grey intensely silicified volcanics; highly broken; chloritic-py. whips along frac's; .5% pyrite; grey colouring as flakes; whips	0397		179.5	181	1.5	80						

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-8

 SHEET NUMBER 3 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	RCVRY	Ag	Au		
							FROM	TO						
181	187			Dark green andesite aug. porp. .5% pyrite: 184' - 4" wide chlorite-gouge fault, @ 025°; hanging wall down.			181	187	6	85				
187	192			Dark green and. aug. porph: - 190 - 192 fault with gouge @ 005°; chlorite on fault surface motion?			187	192	5	80				
192	211			Dark green and. aug. porph.: highly fractured, strong fractures @ 010°; 030°; 060°; -192-198 - broken rock -198-201 fault with zeol. cement 198' attitude 000° with horz. motion: -203' pyrite-epidote-chlorite filled ½" frac." @ 005° 207-208 highly slickensided & gouged fault; @ 005° hangwall up 208.5 2mm pyrite frac. @ 030°:			192	198	6	50				
							198	201	3	60				
							201	207	6	90				
							207	208	1	80				
							208	211	3	90				
211	217			Dark green and. aug. porph. .5% pyrite, frac's @ 030°, 060°: Intersecting:			211	217	6	95				
217	220			Moderately silicified crushed zone with zeolite-qtz cement @ 020°; hanging wall up: .5% pyrite: 30% SiO <sub>2</sub> .	0398		217	220	3	95				
220	230.6			Dark green and. aug. porph.: less than .5% pyrite. criss crossing zeolite-pyrite filled frac's @ 030°: others @ 045°, 060°.			220	230.6	10.6	95+				
230.6	235			Pink qtz-eye figr. rhyodacite or rhyolite: apparent attitude of contact 060°; .5% pyrite; much on frac's @ 045°; 030°. qtz-eye felsic rock (rhyodacite) with pink zeolite on frac's	0399		230.6	235	4.4	98				
235	238			Moderately silicified and. aug. porph. from 236-238' (20% SiO <sub>2</sub> ) massive chloritic, qtz-vein from 235-236'; .5% pyrite (90% SiO <sub>2</sub> ) relic texture visible in silicified andesite;	0400		235	238	3	95				



# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-8

 SHEET NUMBER 5 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Sil.	Gold			
							FROM	TO						WIDTH
303	318			Dark green andesite aug. porph.; .5% pyrite; anhydrite filled frac's; @ 060°, 045°;			303	318	15	97				
				308.5 pyrite-zeolite-qtz filled shear zone 1" wide @ 060°										
				309.5 pyrite-zeolite-qtz anhydrite filled shear #3" wide @ 060°										
318	322			Same as 303-318; 320' - crushed zone 6" wide @ 045°; Ep-zeol-qtz filling										
322	327			Weakly silicified light to dark green and. aug. porph: 1% pyrite largely as fracture filling @ 060°, 20% SiO <sub>2</sub> . Numerous criss-crossing anhydrite filled frac's @ 080°, 060°;	0409		322	327	5	100				
327	332			Variably silicified andesite aug. porph.; relic aug. visible dark to light green; 1% pyrite. 5% anhydrite; 15% SiO <sub>2</sub> . Pyrite anhydrite filled frac's @ 040°, 030°, 080 ; hairline to 2mm	0410		327	335	5	100				
332	338			Same as 327-332	0411		332	338	6	100				
338	344			Same as 327-332	0412		338	344	6	98				
344	348			Strongly to moderately silicified brownish and. aug. porph.; 1% pyrite; 50% SiO <sub>2</sub> ; qtz-veins at 080°, 060°; to 1" wide at intervals of 8" or so.	0413		344	348	4	100				
348	353			Strongly silicified volcanic 1% pyrite; chlorite whisps in qtz rich areas.	0414		348	353	5	100				
353	358			Intensely silicified volcanic; 1% pyrite; mostly replacing aug. 356-358 angular breccia fragments up to 1cm; in qtz groundmass; 80% SiO <sub>2</sub> .	0415		353	358	5	100				
358	363			Intensely silicified volcanic; as above; minor anhydrite filled frac's @ 040°, 00°: 70% SiO <sub>2</sub> .	0416		358	363	5	100				
363	368.5			Intensely silicified volcanic; 1% pyrite; dissem. & on frac's	0417		363	368.5	5.5	100				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-8

SHEET NUMBER 6 OF 6

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	Sil.	Gold		
							FROM	TO					
				80% SiO <sub>2</sub> ; brownish grey colour; angular breccia frags. common from 367-368.5'									
368.5	375			Very weakly silicified; andesite; silicification locally on frags 371' - anhydrite vein 3" wide @ 080°; with qtz-pyrite 374.4' - 1" anhydrite vein @ 070°; 1% pyrite replacing augite.			368.5	375	6.5	98			
375	378			Dark green andesite; 1% pyrite; flooded with anhydrite veinlets 376-376.8 (crushed at contacts; fault) massive anhydrite vein @ 080°; with some pyrite.			375	378	3	100			
378	388			Dark green andesite; with small augite phenos; altered to pyrite chlorite; sericite alt'd feldspar groundmass. 378.3 - ½" pyrite veinlets @ 045° > at rt. X's to each other 379 - ½" pyrite veinlets @ 045°; 385 - 386' - zeolite - pyrite filled fault or shear zone @ 040° crushed:			378	388	10	98			
388	398			Weakly silicified dark to light green pyritic andesite augite porph. Augites altered mostly to pyrite-chlorite 1-2% pyrite; 10% SiO <sub>2</sub> ; numerous criss crossing anhydrite filled frac's @ 080°; 045°; with pyrite; 395-396 - zeolite filled frac's @ 060°; every inch or so:	0418		388	398	10	100			
398	399.2			Same as above 388-398									
399.2	404			Dark green andesite; flooded with anhydrite veinlets at random angles. 2% pyrite; weak silicification < 10% SiO <sub>2</sub> ; 401' - qtz-pyrite-filled shear @ 045°; 1" wide. * Stopped hole at 404' due to caving and lost 132' of rods at bottom of hole; tried to rheem out but this failed.	0419		399.2	404	4.8	98			





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74.9

 SHEET NUMBER 2 OF 10

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE							
							FROM	TO	WIDTH	RCVRY				
103	108.5			Light to dark green andesite augite porph.; .5% pyrite moderately clay and chlorite altered; giving light green colour & soft nature; zeolites common on most fractures: 106' 4" of crushed zone; with zeolite-chl.-pyrite cement			103	108.5	5.5	85				
108.5	109.5			Grey, white mottled; feldspar porph.; (dyke?) F.P. phenos 2-3mm in figr. groundmass .5% pyrite.			108.5	109.5	1	90				
109.5	111			Highly broken andesite augite porph. .5% pyrite 109.5' - fault gouge at contact @ 050°			109.5	111	1.5	95				
111	119			Light green andesite augite porph. variably zeolitized on frac's and groundmass 111.5-113' crushed zone; with angular frags (fault zeolite pyrite filled fractured @ 05°; 1/2" wide with spec. hematite stains. 115'-117' crushed zone; w zeolite cement; much chlorite-clay alt'n; pyritic fractures again @ 005°;										
119	124			Dark green andesite augite porph.; highly broken with poorer recovery; .5% pyrite; chlorite & zeolite alteration common; augite pheno's to .5cm			119	124	5	70				
124	149.5			Green andesite augite porph.; 1% pyrite; fractures @ 010° with pyrite XL's; zeolite filled frac's @ 080°; zeols in matrix also. 124-132 highly broken up; poorer recovery; chl-zeol-sericite alt'n 132-135 highly broken poor recovery 135-140 broken up core: 140-149.5 hematite stain on frac's @ 00°; 045° 146.5' 4" of fault gouge @ 040°; cement of chlorite-pyrite-zeols			124	132	8	60				
							132	135	3	35				
							135	140	5	60				
							140	149.5	9.5	35				

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-9

SHEET NUMBER 3 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY					
							FROM	TO						WIDTH
149.5	150.5			Green andesite augite porph.; largely clay altered to a light green rock; 149.5-150 crush zone with pyrite-clay-zeolite-chlorite @ 015°; 1% pyrite.			149.5	150.5	1	95				
150.5	154.5			Highly broken andesite augite porph.; poor recovery - 1% pyrite augite phenos to .5cm.			150.5	154.5	4	25				
154.5	159			Highly broken augite porph.; weakly clay altered; hematite stain on frac's @ 005°; 040°; poor recovery.			154.5	159	4.5	70				
159	170			highly broken andesite augite porph.; .5% pyrite; highly fract'd 162 - fault @ 005°;			159	170	11	35				
170	180			Dark green andesite augite porph.; strongly fract'd @ 00°; 045°; 060°; 2% pyrite; minor zeolite filled frac's;			170	180	10	80				
180	188.5			Dark green andesite augite porph.; augite phenos not quite as large now; < 3 mm; 1% pyrite; much chlorite alteration. minor zeolites on frac's at various angles; 182' - 4" pink felsic dyke; (qtz-eyes visible) contact?			180	188.5	8.5	90				
188.5	191			Dark green, nearly black chloritic crumbly andesite and gouge; over one foot; @ 020° or 015°; minor hematite stain.			188.5	191	2.5	50				
191	192.5			Very dark green andesite augite porph.; .5% pyrite frac's @ 000° 030°; 080°;			191	192.5	1.5	60				
192.5	194			Crushed zeolite-chlorite rich zone; @ 00° with very poor recovery mostly tiny 1/2" fragments of core			192.5	194	1.5	10				
194	205			Dark green (blackish) andesite augite porph. with pyrite and trace chalcopyrite on frac's; zeolites and epidote on some frac's @ 045°; 025°; strongly fractured but good recovery; trace pyrite; mostly on frac's.			194	205	11	90				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-9

SHEET NUMBER 4 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Sil.	Gold		
							FROM	TO	WIDTH	RCVRY				
205	215			Dark green massive andesite augite porph.; little alt'n; .5% pyrite; mostly on frac's. fracturing at 030°; 045°.			205	215	10	80				
				208.4' Fault @ 030° horizontal movement.										
				213.8' Fault @ 030° movement?; intersecting 2mm pyrite veinlet @ 030°. Minor zeolites + chlorite epidote on frac's.										
215	225			Dark green massive andesite; augite phenos smaller; not obvious .5% pyrite mainly in frac's; pyrite filled frac's @ 025°; 015°; often criss crossing;			215	225	10	90				
				216' 1/2" qtz-pyrite veinlet @ 030°; silicification intense on foot wall contact; bleached to brown										
				222' fault @ 020°; with hanging wall up.										
225	232			Dark green andesite augite porph.; .5% pyrite; strongly frac'd @ 030°, 045°;			225	232	7	90				
				230' - fault gouge @ 040°, qtz-clay-chlorite cement.										
232	237			Moderately silicified volcanic; in part crushed & cemented by quartz; .5% pyrite; 40% SiO <sub>2</sub> .	0426		232	237	5	95				
				235.6' - 3" qtz vein @ 045°; with dissem. pyrite;										
				Pink zeolites on frac's										
				236'-237' crushed zone; fault @ 030°; cement of quartz-zeolite-pyrite; volcanic fragments;										
237	238			Dark green andesite augite porph.; 1% pyrite; zeolite filled frac's @ 030°.			237	238	1	95				
238	238.5			Fault zone @ 030°; cement of qtz-zeolite-pyrite										
238.5	240			Moderately silicified; pink-brown volcanic; zeolites on frac's			238.5	240	1.5	95				
240	245			Moderately silicified volcanic; brownish colour; .5% pyrite relic texture visible; tiny qtz-veinlets common at 030°; 045°; 40% SiO <sub>2</sub>	0427		240	245	5	95				











# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-9

SHEET NUMBER 9 OF 10

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Sil.	Gold			
							FROM	TO						WIDTH
530	538			Weakly silicified volcanic rock. 1% pyrite; mostly disseminated replacements after augite; numerous anhydrite filled frac's; 20% SiO <sub>2</sub> ;	0440		530	538	8	100				
				535' 1" Crushed zone (fault) @ 045°; cement of pyrite, annhydrt.			538	545	7	100				
538	545			Annhydrite flooded green andesite; very tiny augite phenos; 1% pyrite; pyrite filled frac's common @ 030°, 045° often with annhydrite;										
545	550			Moderately silicified volcanic; largely brecciated; cemented by qtz; 1% pyrite; 20% SiO <sub>2</sub> .	0441		545	550	5	100				
				547-548 Breccia cemented by annhydrite; (30% Annhyd.)										
				549' Crushed zone (fault?) @ 025°, 1" wide;										
550	555			Weakly silicified volcanic; 15% SiO <sub>2</sub> , flooded with annhydrite; filled frac's.; 1% pyrite;	0442		550	555	5	100				
				551-552 Annhydrite cemented breccia; angular fragments 1/2" dia. 30% annhydrite.										
555	560			Weakly silicified volcanic, largely brecciated, cemented by qtz; 20% SiO <sub>2</sub> ; 1% pyrite; pyrite, annhydrite on frac's @ 045°, 060°, 030°; flooded with annhydrite filled frac's.:	0443		555	560	5	100				
560	568.2			Light to dark green massive andesite; relic augite phenos visible mostly altered to pyrite-chlorite; 1% pyrite.			560	568.2	8.2	100				
				563' Annhydrite cemented breccia, 6" wide @ 030°; also with pyrite bands;										
568.2	572			Pink feldspar porphyry; (dyke?) Phenos of feldspar to 4mm; 1% pyrite, largely on frac's; Contact @ 080° with volcanics. (Probably syenite; as relic biotites & amphiboles visible)			568.2	572	3.8	100				





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-10

 SHEET NUMBER 2 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Sil.	Gold			
							FROM	TO						WIDTH
55.0	59			Green-grey qtz-eye porph.; variably argillized, .5% pyrite			55	59	4	85				
59	66.5			Dark green fragmented andesite augite porph.; .5% pyrite rust on frac's.; minor zeolites on frac's:			59	66.5	7.5	85				
				59'-59.5' breccia with qtz cement; (fault?)										
				fault - 63'; 4" chloritic gouge: @ 020°										
				63-64 strong fault with chloritic gouge: @ 020°.										
66.5	69			Massive grey-white qtz-vein, .5% pyrite & Chlorite:	0446		66.5	69	2.5	95				
69	73			Dark green andesite augite porph.: 1% pyrite; augite phenos 1-4mm, rusty frac's.:			69	72	3	90				
73	74			Fault gouge with rusty, hematite stain @ 020°. Highly chloritic with trace of qtz.										
74	88			Dark green highly broken andesite augite porph.; 1% pyrite rusty frac's.: Fracturing @ 010°, 030°, 045°:			74	88	14'	80				
				81' - 1" fault gouge @ 030°; minor anhydrite on frac's.										
88	89.5			Qtz-vein with .5% pyrite & clay gouge at contacts:	0447		88	89.5	1.5	30				
89.5	100			Dark green well fractured andesite augite porph.; much rust on frac's.; .5% disseminated pyrite; fracturing strong @ 00°; 045°:			89.5	100	10.5	70				
100	105			Dark green andesite augite porph.; .5% pyrite: rusty frac's: minor zeolites on frac's.: @ 020°; 045°.			100	105	5	95				
105	108			Dark green andesite augite porph.;			105	108	3	100				
108	109			Pink, grey qtz-eye feldspar porph.; weakly sericitized in ground mass; .5% pyrite; (dyke?)			108	109	1	100				
109	111			Dark green andesite augite porph.; fault gouge at 109' at contact with porph.; highly fractured & broken.			109	111	2	80				
111	121			Weakly argillized qtz-feldspar porph.; numerous pyrite-rust filled frac's. @ 030°, 010°.			111	121	10	90				

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-10

SHEET NUMBER 3 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Sil.	Gold		
							FROM	TO					
				112.5' - 6" fault zone with pyrite-clay gouge; @ 015°. Much zeolite along borders of fault plane:									
				115' - 6" of gouge (fault) @ 045°:									
121	150			Grey altered qtz-eye porph.: Intense clay alteration makes qtz eyes obscured; visible in fresher samples. Sericite common, 1% pyrite as fine grains; strongly fractured & broken up			121	150	29	60			
150	173			Dark green pyritic andesite augite porph.: weakly silicified at contact, over 1' width;			150	173	23	65			
				150-150.5 fault with chloritic gouge @ 020°; minor zeolites - minor qtz-veining @ 030°; 4-5mm wide; with silicified contacts at 2' spacings;									
				- minor zeolites on frac's @ 030°; 045°.									
				158.5' - silicified breccia zone 4" wide: @ 080°									
				172 - fault @ 020°; minor chlorite on surface of fault.									
173	174.5			Weakly silicified volcanic; with vuggy qtz-veinlets @ 030°; minor pyrite; very crumbles with poor recovery.			173	174.5	1.5	30			
174.5	176			Dark green andesite augite porph.: with 1/4" zeolite veinlet @ 030°;			174.5	176	1.5	80			
176	178			Chloritic fault gouge; major fault; approximate attitude of 040°; 1% pyrite in gouge:			176	179	3	40			
178	181			Dark green highly broken andesite augite porph.: 1% pyrite abundant chlorite, in ground mass & on frac's.:			179	181	2	95			
				179.5' - fault @ 030°: 3" of highly broken rock: trace of zeolites on frac's.:									
181	183			Intensely silicified and. with 8" of qtz vein from 181.5 to 182.2; highly broken up fracrag @ 090°, 00°, 045°.	0460		181	183	2	80			



# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-10

 SHEET NUMBER 5 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Sil.	Gold		
							FROM	TO	WIDTH	RCVRY				
				213' - 213.5' fault @ 005°; movement 90 to core axis:										
				215' - fault @ 005° movement 90° to core axis.										
				215.5' two ½" qtz veins cutting volcanic @ 060°; very little silicification on contacts.										
				217 - ½" qtz-veinlet @ 045°: zeolites & pyrite on frac's.:										
218	222.5			Moderately silicified grey-green andesite augite porph.: augite largely altered to pyrite, plus chlorite numerous tiny qtz veinlets cut the volcanic; @ 030°, 040°; up to ½" wide; 3% pyrite overall.	0466		218	222.5	4.5	90				
				218.5 - minor fault @ 025:										
222.5	226.5			Strongly silicified andesite augite porph.; 3% pyrite; mostly disseminated; 40% SiO <sub>2</sub> ; with several narrow quartz veinlts @ 080°, 060°; about 1 foot apart.	0467		222.5	226.5	4.0	95				
				223' - fault @ 045° with ½" of clay rich gouge.										
226.5	229			Grey intensely silicified andesite; 70% SiO <sub>2</sub> ; much clay alt'n; 2% disseminated pyrite; and traces of disseminated chalcopryrite: grey blotches & streaks common; possibly silver minerals.:	0468		226.5	229	2.5	95				
* 229	233			Grey massive qtz-vein; 1% pyrite; much grey hairline veinlets & flecks; traces of chalcopryrite often with grey holes in the quartz: approx 90% SiO <sub>2</sub> .	0469		229	233	4	85				
* 233	240.5			Massive quartz vein up to 95% SiO <sub>2</sub> ; 1% pyrite; traces of chalcopryrite: 233-237 Much grey, (argentite, enargite) material in quartz: also .3% chalcopryrite.; (almost black quartz)	0448		233	237	4	100				





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-10

 SHEET NUMBER 7 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY	oz/ton			
								Sil.	Gold					
				282' 4" clay rich fault gouge attitude unsure										
282	286			Intensely silicified volcanic with 70% SiO <sub>2</sub> to 283'; rest of massive grey-white quartz-vein: traces of chalcopryrite and .5% pyrite, grey blue hairline veinlets & flecks.	0459		282	286	4.0	100				
286	287.5			Intensely silicified; grey volcanic; .5% pyrite, minor chlorite & clay	0470		286	287.5	1.5	100				
287.5	297			Dark green weakly silicified andesite augite porph.; .5% pyrite <10% SiO <sub>2</sub> ; weakly clay altered; fracturing @ 005°; 030°; 045°; minor zeolites on frac's.			287.5	297	9.5	95				
297	299			Grey qtz-eye felsic rock: (Dyke?) qtz-eyes to 2mm: 298.4 Fault zone @ 045° cement by pink zeolite. trace of pyrite.			297	299	2	95				
299	303.5			Green weakly altered (silicified & argillized) andesite: .5% pyrite fractures @ 030°; 070° (intersecting).			299	303.5	4.5	100				
303.5	306			Massive figr. green andesite: with relic augite phenos in part fragmented; fragments to 1cm diameter. .5% pyrite. Trace of zeolites on frac's.			303.5	306	2.5	95				
306	318			Dark to light green andesite augite porph.: 1% pyrite: minor zeolites; (highly broken core) 307.5' - Crushed & bleached zone @ 040°; (fault) .2" wide: 310.4' - Fault zone 030°; 3" wide; cement of pyrite, zeolite, chlorite:			306	318	12	95				
318	321			Highly broken core; andesitic rock; poor recovery; could be caved:			318	321	3	10				
321	330.5			Dark green massive andesite; minor augite or hornblende phenos visible; trace of pyrite: (Dyke?) 327' - Crushed zone @ 050°. 1" wide: light green:			321	330.5	9.5	95				



# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. Coates Enterprises  
 HOLE NUMBER: 74-11 LENGTH: 401 ft  
 LOCATION: Chappelle DIP: -065° @ Collar  
 LATITUDE: 6762.85 N DEPARTURE: 39,289.67 E  
 ELEVATION: 5738.2' AZIMUTH: 130°  
 HOLE STARTED: August 15, 1974 HOLE COMPLETED: August 19, 1974

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
370	-065½°				

SHEET No. 1 OF: 8  
 HOLE NUMBER: 74-11  
 PROPERTY: CHAPPELLE  
 ACCOUNT No.: 301-0  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	Ag	Au		
							FROM	TO	WIDTH	RCVRY			
0	8			Overburden.									
8	13			Rusty yellow qtz-eye feldspar porphyry; strongly weathered & leached; rusty fractures: Pyrite gone to limonites.			8	13	5	50			
13	21			Grey siliceous & clay altered Qtz-eye feldspar porphyry: cut by numerous criss crossing pyrite veinlets: rust on most fractures. 17.8 - fault with gouge @ 030°; 4" wide.			13	21	8	95			
21	33			Grey, white mottled qtz-eye feldspar porphyry; pink where unleached; strongly fractured @ 030°, 080°, 045°: 0.5% disseminated Pyrite. 21.5 - Gouge @ 030°: ½" wide.			21	33	12	95			
33	42			Grey variably clay altered quartz-eye feldspar porphyry; feldspar phenos often obscured by intense clay alteration. 0.5% pyrite; small sections 3" or so of pink unaltered porphyry. 37 ft - 6" of fault gouge @ 030°; clay rich gouge.			33	42	9	95			
42	44			Qtz - feldspar porphyry; strongly clay altered with numerous tiny quartz veinlets at various angles: minor zeolites on fractures.			42	44	2	100			
44	49.5			Intensely silicified to massive grey quartz vein: 1% Pyrite, mainly in fractures; much clay & chlorite in quartz.	0471		44	49.5	5.5	100			



# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-11

 SHEET NUMBER 3 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	Ag	Au		
						FROM	TO	WIDTH	RCVRY				
				@ 030°; 060°.									
81	91			Dark green Andesite Augite Porphyry; 1% Pyrite; minor zeolite filled fractures.		81	91	10	95				
				86.5 - 87 fault zone with chlorite; @ 020° with motion @ 090° to core axis:									
				88 4" pink-red felsic dyke; fine grained @ 030°.									
91	99.6			Dark green Andesite Augite Porphyry. Augite Phenos largely replaced by pyrite-chlorite; 1% Pyrite; fracturing strong @ 030°; 060°, 015°. Pyrite on most fractures.		91	99.6	8.6	100				
99.6	109.5			Dark green Andesite Augite Porphyry; 1% Pyrite; much chlorite; strongly fractured @ 030°; 045°.		99.6	109.5	9.9	95				
109.5				Fault @ 020°; chlorite on fault surface.									
109.5	110.5			Pink feldspar porphyry dyke. Chilled contact @ 060°.		109.5	110.5	1	100				
110.5	113			Dark green Andesite Augite Porphyry; 1% Pyrite; Fractures strong @ 030°; minor zeolites on fractures.		110.5	113	2.5	100				
113	124.6			Pink-grey siliceous feldspar porphyry rock; (possibly silicified Andesite with Potassium alteration) 1% Pyrite.		113	124.6	11.6	95				
				Pink feldspar phenos to 2 mm fracturing at 030°; 005°; 045°; minor zeolites on fractures:									
124.6	134.6			Siliceous qtz-eye feldspar porphyry; partly clay altered; often obscuring the feldspar phenos. Quartz-eyes variable in size; from < 1 mm to 2 mm:		124.6	134.6	10	100				
				133' fault gouge 2" wide.									
134.6	139			Pink mottled Feldspar porphyry; Pink feldspar phenos to 3 mm. 1% Pyrite; disseminated & on fractures.		134.6	139	4.4	100				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-11

 SHEET NUMBER 4 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%	Ag	Au			
							FROM	TO						WIDTH
139	143			Grey; pink-mottled siliceous felsic rock; possibly qtz-eye feldspar porphyry strongly altered. 1% Pyrite.			139	143	4	95				
143	149			Grey siliceous quartz-eye felsic rock; slightly porphyritic 1% Pyrite: highly fractured & broken core: weakly clay altered. 2" fault gouge @ 247'; attitude approx. 015°. Highly fractured at 015°; 025°; 045°; 060°; breaking core into small 1" pieces.			143	149	6	95				
149	157.5			Grey siliceous qtz-eye felsic rock, strongly fractured; 5% Pyrite Pyrite on fractures & disseminated. 151.5      3" fault gouge @ 050°; 154.5      1" fault gouge @ 010°.			149	157.5	8.5	90				
157.5	161			Grey, pink-mottled feldspar porphyry & feldspar phenos. 1-3 mm in grey-green groundmass. Strongly zeolitized on fractures & in groundmass. 5% Pyrite: dissem. & on fractures.			157.5	161	3.5	100				
161	164			Pink-grey highly zeolitized feldspar porphyry: pyrite-zeolite filled fractures @ 010° cut core into thin sheets ½" thick subparallel to core axis.			161	164	3	95				
164	168			Dark to light green Andesite Augite-Feldspar Porphyry; Augite Phenos to 4 mm; Feldspar laths to 2 mm long. Augite; chloritic altered; 0.5% Pyrite; minor clay alteration in feldspars; Zeolite filled fractures common @ 040° & 025° (intersecting).			164	168	4	95				
168	184.5			Dark green Andesite Augite Porphyry; minor feldspar laths: 0.5% pyrite; disseminated & on fractures; Zeolites common on fractures: 1/8" pyrite filled fractures common. 179'      Zeolitized fault zone @ 015°.			168	184.5	6.5	90				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-11

SHEET NUMBER 5 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Ag	Au			
							FROM	TO						WIDTH
184.5	189			Dark green Andesite Augite Porphyry; in part feldspar porphyry as well; trace of pyrite; mostly on fractures. Zeolites common on fracture surfaces.			184.5	189	4.5	100				
189	192			Dark green; pink mottled zeolite altered Andesite Augite Porphyry; Feldspar phenos partly altered to felted mass of pink zeolite. 189' - 4" crushed zone @ 040°.			189	192	3	100				
192	193			Silicified Andesite Augite Porphyry; floated by qtz-veins up to 1" wide; Zeolites in quartz.			192	193	1	90				
193	196			Dark green zeolitic Andesite Augite Porphyry; 0.5% Pyrite: 193 - 194 Zeolite filled fractures 1/4" wide @ 015°.			193	196	3	95				
196	204			Dark green Andesite Augite Porphyry; 1% Pyrite. Several hairline zeolite filled fractures; fracturing strong @ 030°; 070°. 201' - Fault @ 030°; chlorite on fault surface.			196	204	8	95				
204	208			Dark green Andesite Augite Porphyry; 0.5% Pyrite; Zeolite common on fractures. Pyrite abundant on fractures. 205' - Fault @ 060° 1" chloritic gouge. 206' - Fault @ 075° No gouge.			204	208	4	95				
208	213			Dark green Andesite Augite Porphyry; highly broken.			208	213	5	60				
213	218			Highly broken Andesite Augite Porphyry.			213	218	5	85				
218	228			Dark green pyritic Andesite Augite Porphyry; 1% Pyrite; mostly replacing Augite Phenos: minor zeolites on fractures & in groundmass.			218	228	10	95				
228	232			Green Andesitic Augite Porphyry; 2% Pyrite; on fractures & as disseminations; Zeolites coating fracture surfaces.			228	232	4	95				





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-11

 SHEET NUMBER 7 OF 8

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		Ag	Au				
							FROM	TO					WIDTH	RCVRY
297	300			Grey intensely silicified & weakly clay altered Andesite; 1% Pyrite; as disseminations; highly broken core; 75% SiO <sub>2</sub> ; with minor 1/2" quartz veinlets: trace of chalcopyrite.	0477		297	300	3	90				
300	303.5			Strongly silicified Andesite; 1% Pyrite; highly broken; fracturing @ 075°; 030°: 60% SiO <sub>2</sub> .	0478		300	303.5	3.5	95				
303.5	308			Strongly silicified andesite; Possibly chalcopyrite & argentite. 1% Disseminated Pyrite, fracturing @ 075°, 045°.	0479		303.5	308	4.5	90				
308	312.5			Strongly silicified grey Andesite; 1% Pyrite; 50% SiO <sub>2</sub>	0480		308	312.5	4.5	85				
				310 - 311 Fault with gouge @ unknown attitude; 4-5" of gouge. Appears more mineralized from 311-312.5 than from 308-311.										
312.5	318			Light grey intensely silicified Andesite to near massive quartz; 315 - 318 Over 85% SiO <sub>2</sub> 312.5 - 315 About 70% SiO <sub>2</sub> Chloritic whisps in quartz common; 1% pyrite; blue-grey coating on many fractures; (Argentite ?). Well mineralized at 316-318; appears to be core missing; possibly due to fault @ 317.8; 2" gouge.	0481		312.5	318	5.5	70				
318	321			Massive grey to white quartz vein; 0.5% pyrite; traces of chalcopyrite; minor grey whisps & veinlets.	0482		318	321	3	80				
321	324			Massive vuggy white quartz veins, with tiny grey veinlets (Argentite etc) 0.5% pyrite.	0483		321	324	3	85				
324	327			Same as above, with more grey whisps and veinlets.	0484		324	327	3	85				
327	329.5			White qtz-vein with green-grey chloritic fragments & bands; 0.5% pyrite.	0485		327	329.5	2.5	90				



# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. Coates Enterprises

HOLE NUMBER: 74-12      LENGTH: 558 feet  
 LOCATION: Chappelle      DIP: -060° @ Collar  
 LATITUDE: 6762.85 N      DEPARTURE: 39,389.67 E  
 ELEVATION: 5738.2'      AZIMUTH: 130°  
 HOLE STARTED: August 19, 1974      HOLE COMPLETED: August 22, 1974

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
530	-079°				

SHEET No. 1 OF: 9  
 HOLE NUMBER: 74-12  
 PROPERTY: CHAPPELLE  
 ACCOUNT No.: 301-G  
 CORE SIZE: BQ  
 % CORE RECOVERY:  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% FLECKS	FOOTAGE		% RCVRY		Ag	Au		
							FROM	TO	WIDTH	RCVRY				
0	13			Overburden										
				Weathered & rusted siliceous; feldspar porphyry; in part qtz-eye feldspar porphyry. 0.5% Pyrite, mostly altered to rusty; much clay due to weathering.										
13	32			Grey, often pink qtz-eye feldspar porphyry; 0.5% Pyrite, dissem. & on fractures: minor argillic alteration:			13	32	9	100				
				22 - 25 grey, massive siliceous felsic rock; remnant texture barely visible; porphyry.										
				Fracturing strong @ 060°; 030°.										
32	38			Grey intensely silicified feldspar Porphyry; up to 70% SiO <sub>2</sub> & weak to moderate clay alteration; 0.5% Pyrite; diss. & on fractures: some grey flecks & hairline veinlets:	0487		32	38	6	100				
				37 . 4" of banded qtz-veining @ 050°.										
38	41			Intensely silicified porphyritic rock; 0.5% Pyrite; much clay alteration 10-15%; 60% SiO <sub>2</sub> ; traces of grey mineral (Argentite?)	0488		38	41	3	100				
				39.5 . 3" of qtz-breccia; @ 075°.										
41	46.5			Massive quartz vein with 2% green chlorite, 1% Pyrite; minor clay alteration; @ 43' get minor light green talc on fractures: Grey flecks (argentite?)	0489		41	46.5	5.5	95				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-12

SHEET NUMBER 2 OF 9

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Ag	Au			
							FROM	TO						WIDTH
46.5	50			Chloritic quartz vein; 1% Pyrite; minor talc on fractures; fracturing @ 075°; 045°; 030°; minor grey flecks; possible argentite (90% SiO <sub>2</sub> )	0490		46.5	50.0	3.5	95				
50	52.5			Weakly silicified feldspar porphyry; more silicified at contacts @ 52.5' & 50'; 0.5% Pyrite; Feldspar Phenos 2-3 mm; contacts @ 045° ?	0491		50	52.5	2.5	100				
52.5	55			Massive pyritic-chloritic quartz vein; 3% pyrite; much chlorite 2%; mostly clouded grey to black; minor clay @ 54'-55'.	0492		52.5	55	2.5	100				
55	58			Pink quartz-eye feldspar porphyry; (rhyolitic-dacitic) 0.5% pyrite: Brecciated contacts @ 080°: Very fresh appearance.			55	58	3	100				
58	62			Pyritic silicified rock; 8% pyrite; mostly disseminated; 3% dark green chlorite, mostly surrounding pyrite; 70% SiO <sub>2</sub> .	0493		58	62	4	100				
62	64.5			Green strongly silicified Andesite Augite Porphyry; Augite remnants visible in siliceous, pyritic matrix: Quartz veinlets occasionally @ 080°.	0494		62	64.5	2.5	100				
64.5	73			Pink siliceous qtz-eye felsic rock. 1% Pyrite; several intersecting quartz veinlets @ 040°, 030°.			64.5	73	8.5	100				
73	74			Banded quartz-clay-pyrite zone @ 030°; (fault zone)			73	74	1	100				
74	75			Dark grey to black breccia; with pink felsic fragments 1" diameter floating on dark grey pyritic groundmass.										
75	86			Dark green Andesite Augite Porphyry; 1% Pyrite; much chlorite in groundmass. 73' fault @ 010°; filled with zeolites; pyrite: Weakly silicified at 86 ft.			75	86	9	100				
86	92			Pink massive rhyolite; or fine grained quartz eye felsic rock; 1% dissem. pyrite, in places looks like meta-augite porphyry.			86	92	6	100				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-12

SHEET NUMBER 3 OF 9

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Ag	Au			
							FROM	TO						WIDTH
92	94			Dark green Andesite; Possibly dyke, contact with pink felsic rock @ 060°.			92	94	2	100				
94	96.5			Weakly silicified pink to grey Andesite Augite Porphyry; Augites largely pyritized; 1% Pyrite: Numerous quartz-pyrite & zeolite veinlets at 030°, 060°, 080°; often intersecting.			94	96.5	1.5	100				
96.5	98			Dark green Andesite; strongly sheared @ 030°; filled with zeolite-quartz-pyrite; motion @ 90° to core axis.			96.5	98	1.5	95				
98	99			Pink quartz flooded volcanic; probably Andesite Augite Porphyry; criss-crossing quartz veinlets up to 1/4" wide.			98	99	1	95				
99	119			Dark green Andesite; mostly with Augite phenos; 0.5% pyrite; strong fracturing @ 030°, 060°.			99	119	20	95				
				99 - 100 Crushed quartz rich zone with zeolites & pyrite @ 030° Movement @ 90° to core axis.										
				103 Fault with zeolite filling @ 040°. Occasional quartz veinlets @ 030°, 045° often intersecting.										
				117.5 Fault with abundant chlorite at fault surface @ 010° movement?										
119	125			Dark green Andesite Augite Porphyry; Augite phenos decreased in size to 1-2 mm. 0.5% Pyrite, largely on fracture surfaces.			119	125	6	95				
				123 - 3" of qtz-rich andesite; narrow veinlets @ 045° with pyrite-chlorite.										
				124 Chloritic fault gouge @ 030°.										
125	125.5			Siliceous breccia with fault gouge at bottom; fragments of andesite & pink siliceous felsic rock in dark green groundmass.			125	125.5	0.5	100				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-12

 SHEET NUMBER 4 OF 9

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Ag	Au			
							FROM	TO						WIDTH
125.5	141			Grey to pink quartz-eye felsic rock in part porphyritic; pink where clay alteration less intense; Occasional qtz-veinlets at 030° minor zeolites on fractures; often with pyrite; feldspar sericitized in parts to green mass.			125.5	141	5.5	100				
141	165.5			Dark grey to green feldspar porphyry; Andesitic to dacitic composition. Feldspar phenos 1-3 mm; minor augite phenos 1-3 mm. 1% Pyrite; Possible porphyritic volcanic. 163 Siliceous fault @ 045°, 2" gouge. 160 - 164 Weakly clay altered feldspar phenos; fracturing @ 015°; 045°; 030°; Much pyrite on fractures.			141	165.5	23.5	100				
165.5	179			Feldspar porphyry; in part fine grained; mostly as above. Strongly fractured; clay altered from 165.5 - 175 giving grey colour; 1% diss. pyrite; traces of zeolites on fractures.			165.5	191	25.5	95				
179	193			Dark green Andesite Augite Porphyry; 1% dissem. pyrite; chlorite altered mafics; Minor pyrite on fractures @ 030°, 005°, 045°. 183 - 184 Weakly silicified & caly altered to grey volcanic rock. 189 Fault @ 030°; motion @ 90° to core axis. Minor zeolites on fractures.			179	193	14	90				
193	198			Highly broken; siliceous felsic rock; weakly silicified Andesite. Very poor recovery; broken into 1/2" fragments. Pink to green colouring.			193	198	5	15				
198	201			Same as above; fault?			198	201	3	20				
201	209			Dark green Andesite Augite Porphyry; 1% diss. Pyrite; chlorite altered mafics & groundmass; weak clay alteration occasionally; highly fractured & broken.			201	209	8	90				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-12

SHEET NUMBER 5 OF 9

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	% RCVRY	Ag	Au		
209	214			Light to dark green weakly clay altered & sericitized Andesite Augite Porph; Minor zeolites on fractures.			209	214	5	95				
214	235			Dark to light green Andesite Augite Porphyry; variably clay altered; 1% Pyrite diss. & on fractures; minor zeolites highly broken core; fracturing @ 080°, 030°, 000°, 015°.			214	235	21	90				
				218 chloritic gouge (fault) (attitude ?)										
				225.5 fault with chloritic-pyritic gouge (attitude ?)										
				232 - 233 small 1/4" Qtz veinlets with pyrite @ 030°; intersecting.										
235	254.5			Highly broken dark green Andesite Augite Porphyry; Augites to 5mm; 0.5% Pyrite; fracturing @ 030°; 005°, 045°.			235	254.5	18.5	90				
				235.5 - 236 Pink siliceous felsic rock; (dyke?) attitude?										
				237 6" of zeolitic fault zone @ 030°										
				250 - 254.5 Weakly clay altered; lighter green colour.			250	254.5	4.5					
254.5	261			Highly broken dark to light green Andesite Augite Porphyry; 1% Pyrite minor zeolites on fractures.			254.5	261	6.5	80				
261	285			Highly broken & ground up silicified volcanic; 15% SiO <sub>2</sub> , 0.5% Py. light grey to light green; weak clay alteration.										
				261 - 268 Poor recovery.			261	268	7	45				
				268 - 276.5 Poor recovery.	0495		268	276.5	8.5	50				
				276.5 - 285 Less broken but still poor recovery.	0496		276.5	285	8.5	50				
285	287			Highly broken silicified volcanic as above.			285	287	2	50				
287	293			Weakly silicified & argillized Andesite Augite Porphyry; 10% SiO <sub>2</sub> . Texture still obvious; 1% diss. Pyrite; tiny hairline quartz veinlets at 040°, 030°, 060°, at 6" intervals.			287	293	6	95				
293	303			Weakly to moderately silicified Andesite augite Porphyry; Brown to green colour; Augite phenos still visible; 1% diss. pyrite -			293	303	10	90				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-12

SHEET NUMBER 6 OF 9

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		Ag	Au		
							FROM	TO				
				295								
				297								
					0497		293	297	4	90		
					0498		297	301.5	4.5	90		
303	307						303	307	4	100		
				305 - 307								
307	313						307	313	6	90		
				307.5								
				311								
				312.5 - 313								
313	337.5						313	337.5	23.5	100		
				337.5			337.5	342	4.5	100		
342	345						342	345	3	100		
345	348				0499		345	348	3	100		
348	352				0500		348	352	4	100		



# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-12

SHEET NUMBER 7 OF 9

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Ag	Au		
							FROM	TO	WIDTH	RCVRY				
352	358			Weakly silicified dark green Andesite; 20% SiO <sub>2</sub> . Abundant anhydrite & pyrite veinlets at 030°; in criss-crossing pattern.			352	358	10	100				
358	368			Dark green weakly silicified Andesite; Anhydrite flooded; 2% pyrite diss. & on fractures.			358	368	10	100				
				362.5 4" anhydrite cemented breccia @ 045°										
				364 ½" quartz vein @ 030°.										
				366 2" quartz vein with 1% pyrite @ 015°.										
368	375			Dark green weakly zeolitized & strongly anhydrite altered Andesite; 2% pyrite, mostly disseminated.			368	375	7	100				
				368.4 2" pyrite-quartz shear zone @ 045°.										
375	384			Light to dark green dacite or bleached andesite intensely anhydrite altered; with minor narrow quartz veinlets.			375	384	9	100				
				380 - 380.5 6" white quartz with some anhydrite @ 040°.										
				383 Zeolitic fault (crushed) zone @ 030°; much pyrite in fault.										
				383 - 384 Mostly crushed zeolitized zone, as above.										
385	398			Dark green Andesite, in part Augite Porphyry; 1% Pyrite diss. & on fractures; Anhydrite flooded, intersecting hairline veinlets; minor quartz-pyrite veinlets with bleaching at wall rock at contacts.			385	398	13	100				
398	409.5			Dark green Andesite; Anhydrite flooded, minor pink & white zeolites on fractures; 2% Pyrite; Anhydrite filled fractures @ 030° and intersecting 060°.			398	409.5	11.5	100				
409.5	418			Dark green-brown mottled Andesite; flooded with Anhydrite & zeolite. 1% Pyrite, diss. & on fractures; minor quartz veining from 414-418'. 417' - 6" qtz-filled zone @ 030°, crushed on upper			409.5	418	8.5	100				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-12

 SHEET NUMBER 8 OF 9

FOOTAGE				DESCRIPTION	SAMPLE					ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY	Ag	Au		
418	420.5			Intensely silicified volcanic; 85% SiO <sub>2</sub> ; 2% Pyrite; grey-white & brecciated; Crushed core from 420-420.5.	0501		418	420.5	2.5	100				
420.5	423.5			Intensely silicified to massive quartz veing; brecciated & resilicified volcanic. 80% SiO <sub>2</sub> ; 1% dissem. pyrite; minor chlorite & anhydrite.	0502		420.5	423.5	3.0	100				
423.5	436			Dark green, often brown. Weakly silicified Andesite Augite Porph; 1% Pyrite, diss. & on fractures; much Anhydrite veining; 429' - 6" of clear to white Anhydrite with minor quartz. 432-433.5 strongly silicified volcanic, pure white quartz veining @ 030°.			423.5	436	12.5	100				
436	454			Dark green to brown weakly silicified andesite; anhydrite flooded, frequent hairline quartz veinlets at 030°. Zeolite filled fractures @ 010°, ½" wide @ 443'; Anhydrite veining intersecting @ 040°, 070°. Zeolite anhydrite vein ½" wide at 448' trending @ 030°.			436	454	18	100				
454	477.5			Light to dark green Andesite Augite Porphyry with lesser anhydrite alteration; 1% pyrite; dissem. & on fractures; ½" pyrite veinlets occasionally @ 060°.			454	477.5	23.5	100				
477.5	498			Dark green Andesite Augite Porphyry; Anhydrite flooded; veinlets up to ½" wide; 3% pyrite, diss. & on fractures; Pyritic fractures @ 010°; Minor zeolites on fractures; Anhydrite veinlets mostly @ 090°, 060°, 030°; criss-crossed pattern. Several with zeolite borders at 015°.			477.5	498	20.5	100				
498	516			Same as above; 3% pyrite, much as veinlets or fracture fillings. 502 8" crushed zone @ 045° intensely anhydrite altered. 506 4" pyritic shear; bleached borders @ 040°.			498	516	18	100				



# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. Coates Ent.  
 HOLE NUMBER: 74-13 LENGTH: 216 ft  
 LOCATION: Chappelle DIP: -038° @ 216' -038° @ Collar  
 LATITUDE: 6825.85 N DEPARTURE: 39,414.57 E  
 ELEVATION: 5735.6' AZIMUTH: 130°  
 HOLE STARTED: Aug 22/74 HOLE COMPLETED: Aug 23/74

ACID &/OR TRO-PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
216	-038°				

SHEET No.1 OF: 3  
 HOLE NUMBER: 74-13  
 PROPERTY: Chappelle  
 ACCOUNT No.: 301-0  
 CORE SIZE: BQ  
 % CORE RECOVERY:   
 LOGGED BY: T. Brown.

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Sil.	Gold		
							FROM	TO					
0	12			Overburden			0	12					
12	31			Light green andesite augite porph.: highly broken & rusted on fractures: leached rock to clay rich mass. Pyrite 1% gone to limonites: (Near surface weathering strong)			12	31	19	60			
31	54			Light grey to rusty yellow qtz-eye feldspar porph.: variably argillized; textures erased in intense (sericite &) Argillicalt'n .5-1% Pyrite; rusty fractures and groundmass where pyrite leached: rusty fracturing @ 030°, 045°, 085°: highly broken core			31	54	23	75			
54	70			Dark to light green strongly fractured & weathered andesite augite porph.; 1% pyrite; disseminated; rusty on frac's.: @ 030°; leaching common along fracture walls. 62' fault with rusty well cemented gouge over 2'. 67' well cemented clay-rusty gouge in fault @ 010°.			54	70	16	85			
70	103			Dark green rusty andesite augite porph.; 1% pyrite: fracturing @ 000°, 060°, 030°; zeolites common in frac's.; 84' fault with 2" rusty well cemented gouge @ 070°. 83' some @ 84'; highly fractured but good recovery; 90-95 strong zeolite filled frac's @ 005° & 030°.			70	103	33	90			

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-13

SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RECRY		NUMBER	% SULFIDES	FOOTAGE		%	RECRY	Ag	Au		
							FROM	TO						
103	113			Grey to white quartz eye felsic to feldspar porphy: moderately clay altered; rusty fractures 1% diss. pyrite. fracturing @ 000°; 060°; 030°; usually intersecting.			103	113	10	95				
				108' 1" clay fault gouge @ 045°.										
113	126			Same as above with less intense fracturing & less rusty:			113	126	13	95				
126	132			Light grey to white strongly argillized qtz-eye feldspar porph.; 1% diss. pyrite minor rusty fractures:			126	132	6	95				
				130' 1/2" qtz veinlet @ 050° with grey flecks:										
132	148			Dark grey weakly silicified & clay altered qtz-eye feldspar porp. texture largely crazed where alteration strongest 20% SiO <sub>2</sub> .			132	148	16	80				
				Minor qtz-pyrite filled frac's with grey tint	0505		141	146	5	65				
148	155			Dark green silicified & clay altered and. augite porph.; much clay; appears crushed; fault over 148-149; relic texture just visible. Poor recovery!			148	155	7	50				
					0506		146	148	2	40				
155	174			Grey, white to pink mottled silicified felsic rock: possibly meta-andesite or Q.F.P. 1% diss. pyrite.: porphyry texture sometimes visible minor narrow qtz veinlets @ 030°; up to 1/2" wide; 30% SiO <sub>2</sub> . Texture becomes less obvious towards 174':			155	174	19	90				
174	177			Same as 155-174'; highly broken & ground up core			174	177	3	20				
177	186			Moderately silicified dark green andesite augite porph augite phenos visible; partly altered to pyrite & chlorite; 30% SiO <sub>2</sub> in groundmass. 2% diss. pyrite; highly fractured @			174	186	12	90				
				@ 030, 015, 080°; moderate sericitization of feldspar laths and ground mass giving green felted mass with quartz cement.										
				183-186' Moderately silicified with narrow qtz veinlets at random highly broken core; faults at 183.5' & 185.5'; 4" chloritic	0507		183	186	3	85				



# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. Coates Ent.  
 HOLE NUMBER: 74-14 LENGTH: 273 ft  
 LOCATION: Chappelle DIP: 056° @ 270' -055°  
 LATITUDE: 6825.85 N DEPARTURE: 39,414.57 E  
 ELEVATION: 5735.6' AZIMUTH: 130°  
 HOLE STARTED: Aug 23/74 HOLE COMPLETED: Aug 24/74

## ACID. &/OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
270	-055°				

SHEET No.1 OF: 5  
 HOLE NUMBER: 74-14  
 PROPERTY: Chappelle  
 ACCOUNT No.: 301-0  
 CORE SIZE: BO  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown.

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY				
0	12			Overburden										
12	23.5			Dark green and. augite porph.; strongly weathered with rust on frac's & replacing pyrite in groundmass; minor zeolites in frac's @ 015, 070°; texture almost weathered out. 1% original pyrite.			12	23.5	11.5	85				
23.5	46.5			Light green to grey quartz-eye feldspar porph.; highly fractured & weathered; rusty fractures; pyrite mostly to rust. minor open spaces & vugs (from leaching out of pyrite). 41' 8" rusty clay rich gouge; fault @ 080°? 46' 1" rusty gouge in fault @ 020°.			23.5	46.5	23	75				
46.5	48			Sames as 23.5'-46.5'; rusty on fractures & in weathered ground mass 48' fault with 2" limonitic gouge @ 030°.										
48	66			Dark green and. augite. porph; .5% pyrite; diss. & on frac's augite phenos to 3mm; 48'-55' - rusted on frac's; 52' crushed fault zone @ 030° with rusty gouge; 55-66' dark green andesite augite porph. 58-60' intensely silicified and. with 6" qtz vein at 58' & at 59.5'; minor chalcopryrite & pyrite in quartz vein.			48	55	7	75				
							55	66	11	95				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-14

SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE			SIL	Gold		
							FROM	TO	WIDTH				RCVRY
66	68			Dark green and. augite porph. volcanic breccia; breccia clasts to 2" across.			66	68	2	100			
68	72			Dark green and. augite porph.; .5% pyrite									
72	76			And. augite volcanic breccia; clast to 1" dia.; minor diss. pyr.									
76	97			Dark green and. augite porph.; .5% pyrite, mostly dissem. rusty frac's.: strong fracturing @ 018, 050°; occasional narrow qtz veining at 76.5', 81' 92', 1/4" wide; pyritic-rusted & zeolited filled frac swarms @ 015, 030°; at 84.5 -85 & 89.5-90.5'.			76	97	21	100			
97	104			Weakly silicified and. or feldspar porph.; highly ground core, very poor recovery; (core missing?) fault?			97	104	7	<10			
104	126.2			Grey, pink mottled feldspar porph.; minor qtz-eyes; variably argillized; pink where fresh; .5% pyrite mostly dissem., fract'ng @ 051, 025, 050°; occasional qtz veinlets.			104	126.2	22.4	95			
126.2	142.5			Grey, sometimes pink qtz eye feldspar porph.; weakly argillized pink where fresh; .5% diss. pyrite; 139.5' - 2" gouge filled zone; attitude?			126.2	142.5	16.3	90			
142.5	145			Dark grey intensely silicified qtz-eye feldspar porph.; 75% SiO <sub>2</sub> .5% pyrite; trace of trace of chalcopyrite on frac's: 143.5' - 4" clay gouge in fault; attitude unsure. Minor grey flecks in quartz; possible argentite.	0518		142.5	145	2.5	90			
145	149			Grey quartz-eye feldspar porph.;			145	149	4	40			
149	192			Weakly silicified and. augite. porph. (Contact metamorphosed) 1% diss. pyrite; chloritic & sericitized in ground mass; 149-151 highly broken core; recovery poor			149	192	43	80			
				fracturing @ 010, 030, 060°; occasional qtz veinlets			149	161	2	30			



# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-14

SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE NUMBER	% SULFIDES	FOOTAGE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	%	Sil.	Gold			
				168-169 highly crumbled core with gouge; fault @ 015°; clay altered near fault;			168	169	1							
				179-190 pink mottled green ad. augite porph. possible felsic (potassic) alteration; 2% diss. pyrite.			179	190	11	100						
				189' fault with chloritic gouge @ 010°, movement @ 90° to core axis.												
192	208.5			Dark green adn. augite porph.; zeolites common on frac's. 2% pyrite, diss & on frac's; fracturing @ 060°, becoming lighter colour due to weak silicification; more highly broken rock is more silicified; occasional qtz veinlets; @ 070°;			192	208.5	16.5	85						
				199 - siliceous fault gouge; attitude?												
208.5	210			Intensely silicified and.; with 6" of vuggy qtz vein at 209-209.5' with 1% pyrite, trace of chalcopyrite and argentite; 3% open spaces in quartz; 60% SiO <sub>2</sub> overall.	0519		208.5	210	1.5	95						
210	216.5			Dark green weakly silicified andesite aug. porph.: 2% pyrite much chlorite + sericite; zeolites common on fractures often with pyrite;			210	216.5	6.5	75						
				213-214 - chloritic gouge; fault attitude unsure.												
				215.5-216.5 crushed chloritic volcanic fault?												
216.5	219.5			Moderately silicified andesite augite porph.; augite phenos rimmed with qtz-chlorite; partly replaced by pyrite; 60% SiO <sub>2</sub> overall; 1% pyrite; traces of chalcopyrite.	0520		216.5	219.5	3.0	90						
				219.5' - fault with 1" clay gouge @ 040°;												
				218 - 1" clay rich fault gouge @ 040°;												
219.5	222			Massive qtz vein; dark grey to black with white bands 2-3" wide; largely brecciated with argentite, pyrite-chalcopyrite in matrix;	0521		219.5	222	2.5	95						

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-14

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Sil.	Gold		
							FROM	TO					
222	226			2% sulphides; approx. 30% of which is chalcopyrite: (well mineralized; should assay > 1 oz. Au/ton)	0522		222	226	4	95			
				2% sulphides; mostly pyrite; 3-5% open spaces and vugs: largely brecciated with grey matrix (argentite-pyrite)									
				224' - 1" clay rich fault gouge @ 080°.									
226	227			Intensely silicified volcanic; volcanic texture visible; brecciated with siliceous fragments in clay rich grey matrix.	0523		226	227	1				
227	228.5			Quartz vein; dark grey with pyrite-argentite in frac's & fine grained flecks; fault gouge at 228.4' @ 030°.	0524		227	228.5	1.5	100			
228.5	232			Quartz-vein with minor grey whisps & fracture fillings (argentite) fracturing @ 070, 010°; minor clay in lining spaces:	0525		228.5	232	3.5	95			
232	235			Qtz-vein; grey fracture fillings & whisps of argentite; .5% pyr. traces of chalcopyrite; < 1% open spaces;	0526		232	235	3	100			
235	237.5			Qtz-vein; traces of argentite in fractures & as tiny flecks in qtz; .5% pyrite, chalcopyrite common where argentite occurs.	0527		235	237.5	2.5	95			
237.5	239			Grey to dark grey qtz vein; fine grained argentite on frac's & as fine grains in massive qtz; .5% pyrite, trace chalcopyrite.	0528		237.5	239	1.5	95			
239	241			Dark grey intensely silicified (75% SiO <sub>2</sub> ) volcanic (augite porph. texture visible; 1% diss. pyrite; minor grey flecks (argentite)	0529		239	241	2	100			
241	244			Dark grey to green silicified volcanic (50% SiO <sub>2</sub> ) minor clay alt'n along fractures: 1% diss. pyrite.	0530		241	244	3	75			
				242-244 highly broken core with clay, possible fault zone.									
244	248.2			Same as 241-244; highly broken core:	0531		244	248.2	4.2	50			
248.2	257			Moderately silicified andesite; 30% SiO <sub>2</sub> ; 1% pyrite; very poor recovery; 2% dark green to black chlorite	0532		248.2	257	8.8	10			





# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-15

 SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		%					
							FROM	TO						WIDTH
62	65			Dark green and. aug. porph.; 1% pyrite; fracturing @ 060, 015°, 030°; minor tiny intersecting qtz veinlets @ 050, 040°			62	65	3	100				
65	69			Light green to grey weakly silicified and., 35% SiO <sub>2</sub> ; strong rusted frac's @ 030° often intersecting: qtz-veinlets @ 080, 060°; 1% diss. pyrite.			65	69	4	100				
69	74			Dark green and. aug. porph.; .5% pyrite 73' - fault @ 025°; movement 60° to core axis; much chlorite in fault zone;			69	74	5	95				
74	77			Weakly silicified green to mauve andes. aug. porph. minor epidote on frac's; some sericite in groundmass 1% pyrite 30% SiO <sub>2</sub> , 75.5' 6" of pink felsic dyke @ 045°; 5% pyrite			74	77	3	100				
77	102			Dark green and. aug. porph.; .5% pyrite; zeolites & chlorite on frac's; crushed chloritic zone @ 95'; highly broken core			77	102	25	95				
102	104			Weakly silicified and. aug. porph.; numerous criss-crossing qtz veinlets: 1% pyrite: diss & on fractures.			102	104	2	30				
104	105			Pink rhyolitic dyke; trace pyrite; very poor recovery;			104	105	1	5				
105	112.5			Weakly silicified and. aug. porph.; 1% pyrite; numerous hairline intersecting qtz veinlets throughout. 106 - fault @ 030°; chloritic on fault surface: 107 - 107.5' zeolitized fractured and.; @ 030°; ½" wide fracture filling			105	112.5	7.3	95				
112.5	114			Intensely silicified and.; 50% SiO <sub>2</sub> @ 060°;			112.5	114	1.5	100				
114	121			Grey, white & pink mottled qtz-eye feldspar porphyry .5% pyrite, numerous qtz veinlets @ 060°; every 2"; Pink areas of unargillized rock; fracturing @ 030, 005°; 116' - clay rich crushed zone; fault?			114	121	7	100				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-15

 SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE %	Sil.	Gold		
121	129			Weakly silicified and. aug. porph.; .5% pyrite diss. & on frac's fracturing @ 040, 025°; minor zeolites on frac's.			121	129	8	90				
129	147.5			Grey; pink-mottled qtz-eye feldspar porphyry; in part not porphyritic; .5% pyrite, occasional qtz-veinlets; 136' - 6" crushed clay altered felsic rock; fault? 138' - 6" of clay rich fault gouge @ 050°. 138.5' 4" siliceous welded green breccia; frags of qtz-eye porphyry; qtz & minor volcanics:			129	147.5	18.5	95				
147.5	148.5			Dark green adn. dyke; .5% pyrite; contact @ 080°; fault contact on upper contact @ 030°.			147.5	148.5	1	100				
148.5	158			Grey pyritic qtz-eye feldspar porph.: in part clay altered to qtz-eye clay rich rock; malachite stain in much of clay on frac's; @ 045°; possible barnite on frac's:	0534		148.5	158	9.5	100				
158	160.5			Clay rich fault gouge; some remnant rock frags; 80% clay: attitude approx. 060°; (major fault)			150	160.5	2.5	100				
160.5	164			Strongly argillized qtz-eye feldspar porph; 20% clay, .5% pyr. trace malachite stained clay.			160.5	164	3.5	100				
164	179			Light green to brownish qtz-eye feldspar porph; .5% pyrite; minor zeolites & qtz in frac's @ 040, 010°; bleached grey to white along qtz veinlets;			164	179	15	95				
179	182.4			Grey argillized & weakly silicified qtz-eye feldspar porph., 1% pyrite; diss. & as hairline veinlets @ 030°; 2" white qtz at base of Q.F.P. @ 182.4':			179	182.4	3.4	100				
182.4	201.5			Dark green weakly silicified & sericitized and. aug. porph.; 2% pyrite; mostly disseminated; minor zeolites on frac's: pink mottling of groundmass possible potassic alteration;			182.4	201.5	19.1	95+				

# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-15

 SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY	Sil.	Gold		
				187' - 2" chloritic fault gouge @ 060°;										
				196.5' ½" qtz vein @ 030°; with pyrite & argentite?										
				filling, weak bleaching of walls: much dark grn to black chlorite.										
201.5	205			Dark green weakly silicified and. aug. porph.: same as 182.4-201.5			201.5	205	3.5	35				
205	208			Grey weakly argillized siliceous feldspar porph.: .5% pyrite fracturing @ 045; 060, 010°;			205	208	3	65				
208	212.5			Same as 205-208'			208	212.5	4.5	95				
212.5	217			Same as 208-212.5' but less altered; pink & fresh looking			212.5	217	4.5	45				
217	229			Highly broken light green to grey siliceous feldspar porphyry: broken to 1" pieces; poor recovery.			217	229	12	25				
229	235			Dark green weakly silicified aug. porph; < 10% SiO <sub>2</sub>			229	235	6	80				
				232' - 2" chloritic fault gouge @ 070°;										
				highly broken core; chlorite-sericite altered groundmass: 1% pyr.										
235	251.5			Same as above; with more highly broken core; trace of epidote on frac's:			235	251.5	16.5	45				
251.5	255			Dark green and. aug. porph: 2% diss. pyrite; fracturing @ 030°, 080°; chlorite altered groundmass. Very broken up			251.5	255	3.5	95				
255	268			Same as 251.5 - 255'; minor epidote alt'n in matrix, 263 - 265' - hairline qtz veinlets intersecting.			255	268	13	75				
268	274			Highly crumbled core; ½" pieces; of same as 251.5-255.			268	274	6	30				
274	283.5			Highly crumbled weakly to moderately silicified and.: possible cave mixed with core; .5% pyrite diss. & on frac's.			274	283.5	9.5	10				
283.5	288			Strongly silicified volcanic; 40% SiO <sub>2</sub> ; highly broken core; qtz vein in last few fee; 286-288'? with argentite on fractures	0536		283.5	288	4.5	10				





# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. COATES ENTERPRISES  
 HOLE NUMBER: 74-16 LENGTH: 488  
 LOCATION: Chappelle DIP: -090° @ collar;  
 LATITUDE: 6825.85 N DEPARTURE: 39,414.57 E  
 ELEVATION: 5735.6' AZIMUTH: 130°  
 HOLE STARTED: Aug. 29, 1974 HOLE COMPLETED: Aug 31, 1974

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
488	-089½°				

SHEET No.1 OF: 7  
 HOLE NUMBER: 74-16  
 PROPERTY: CHAPPELLE  
 ACCOUNT No.: 301-1  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag	Au	Ag
0	8			Overburden			0	8	8					
8	29			Dark green Andesite Augite Porphyry; 0.5% diss. pyrite; weathered and rusted fractures; minor zeolites on fractures, @ 060°, 010°, 030°.										
				8 - 12 Highly broken; possible ferricrete;			8	12	4	50				
				12 - 29 Highly fractured core; good recovery			12	29	17	90				
29	38			Andesite Augite Porphyry; rusty on fractures; 0.5% pyrite			29	38	9	85				
38	39			Moderately silicified and bleached Andesite Augite Porphyry										
39	65			39 - 42 Highly rusted and leached Quartz eye felsic rock; 0.5% diss. pyrite			39	42	3	80				
				42 - 65 Light grey to white argillized quartz eye feldspar porph. where alteration intense feldspar phenos, erazed; quartz eyes 1-4mm; fracturing @ 015°, 030°;			42	65	23	95				
				55 - fault @ 030°; chlorite-clay gouge over 1/1"										
				62 - 65. Weakly silicified by numerous intersecting quartz veinlets.										
65	72			Dark green Andesite Augite porphyry; 1% Pyrite; minor quartz veinlets @ 060°; fractures at 030°; 015°.			65	72	7	95				

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-16

SHEET NUMBER 2 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				oz/ton		Au	
							FROM	TO	WIDTH	RCVRY	Au	Ag	Au	Ag
72	76			Grey highly broken silicified and argillized Andesite Augite Porph;			72	76	4	85				
				numerous 2 mm quartz veinlets @ 010°, Minor zeolites in crushed										
				zone at 73-74 ; 1% Pyrite; 74 fault @ 030°, 3" clay gouge.										
76	85			Dark green Andesite Augite Porphyry; 1% Pyrite diss. and frac's;			76	85	9	85				
				minor quartz veinlets at 060°;										
85	101			Light brown, grey mottled weakly silicified and argillized			85	101	16	100				
				Andesite Augite porphyry; Ghosty Augite relics visible: .5%										
				Pyrite; fractures @ 010°, 030°										
				86 - 93 Quartz veinlets @ 010° and 060°; intersecting at										
				right angles; 1 - 2 mm;										
				98 - 100 Tiny quartz eyes developed; in place of Augites?										
				Possible potassium alteration; giving brownish-pink										
				colours.										
101	118			101 - 118 Dark green Andesite Augite Porphyry; 3% Pyrite diss			101	108	7	95				
				and in veinlets minor 1 - 2 mm quartz veinlets										
				throughout @ 080°; minor zeolites on fractures; often										
				with pyrite.										
				108 - 111 Brown weakly silicified Andesite; .5% Pyrite			108	111	3	100				
				111 - 118 Same as 101-108 with less quartz veining			111	118	7	100				
118	133.5			Dark green Andesite Augite Porphyry, variably altered; 1% Pyrite;										
				118 - 123 Weakly silicified; brown mottled groundmass; 10%			118	123	5	100				
				SiO <sub>2</sub> ; 3mm quartz veinlets every 3" or so @ 030°										
				045°; criss crossing pattern.										
				123 - 130 Minor zeolites on fractures @ 060°; Malics			123	130	7	100				
				chloritized;										
				130-133.5 Weakly silicified; numerous 2mm quartz veinlets at 030°			130	133.5	3.5	100				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-16

SHEET NUMBER 3 OF 7

FOOTAGE				DESCRIPTION	NUMBER	% SULFIDES	SAMPLE				oz/ton ASSAYS			
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	Au	Ag	Au	Ag
				2% Pyrite; minor grey mineral in several quartz veinlets; 30% SiO <sub>2</sub>										
				132 - fault @ 030°; motion? Zeolites on fault surface										
135.5	147			135.5 - 145 Dark green Andesite Augite Porphyry; 0.5% mostly diss., chlorite altered; fracturing @ 060°, 030°, Zeolites on frac's.			135.5	145	9.5	100				
				137 - 138.5 Feldspar porphyry dyke @ 060°; chilled at contacts.										
				145 - 147 Weakly silicified light green to grey. Augite relics visible; Occasional quartz veinlets @ 060°			145	147	2	95				
147	193			147 - 182 Grey mottled siliceous feldspar porphyry; 1% Pyrite; Quartz veinlets common @ 030°; Minor pink zeolite on fractures. Occasionally pink where fresh; minor tiny quartz eyes;			147	182	35	95				
				168 - fault @ 035° with pyritic gouge 1/8" thick.										
				167 - 4 quartz rich zone @ 040° with trace of argentite;										
				171.5 - 174 Clay altered prophyry with much grey mineral (Argentite or fi. gr. pyrite) on fractures; largely gouged; fault @ 060°;	0544		171.5	174	2.5	90				
				178 - fault @ 030°; 1/2" gouge										
				182 - 193 Strongly clay altered Quartz eye feldspar rock. Trace MoS <sub>2</sub> on fractures.			182	193	11	90				
193	202			Light green sericitized quartz eye feldspar porphyry; feldspars altered to fi. gr. green sericite; strong fractures @ 060°;			193	202	9	95				



# DIAMOND DRILL HOLE RECORD

 HOLE NUMBER: 74-16

 SHEET NUMBER 5 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	% RCVRY	Au	Ag	Au	Ag
				080°; fractures @ 010°; 030°;										
				252 - 255 Strongly silicified; 40% SiO <sub>2</sub> ; white quartz in veinlets.										
				278 - 279 fault with chloritic-clay gouge @ 050°										
280	281.5			Grey-green chloritized and silicified Andesite Aug. Porph; 2% pyrite crumbly; 20% SiO <sub>2</sub> ; fault at 281.5'; @ 040°; 1" gouge			280	281.5	1.5	80				
281.5	307			Light green to grey siliceous feldspar porphyry; silicified Andesite Augite altered to pyrite-chlorite; 2% diss pyrite; minor sericite. Occasional quartz veinlet @ 060°; Minor argillic alt'n; grey where strong.			281.5	307	25.5	100				
				303 - 307 Tiny quartz eyes visible in pink fine grained feldspar porphyry; Up to 30% SiO <sub>2</sub> ;										
				Quartz veinlets @ 080° 1/2" wide at 293'-295'; 299'-300';										
307	338			Dark green intensely anhydrite flooded; Andesite Augite Porph, Augite phenos small; 1mm; 10% Anhydrite in criss crossing veinlets 1-2mm wide; @ 060°; 080°; 030°; 2% diss pyrite; minor zeolites; 323' - 4" of crushed and silicified rock; fault zone @ 040°.			307	338	31	100				
				Occasional "1/2" pyrite veinlets @ 030°;										
				336.5 - 338 Bleached Anhydrite flooded Andesite; weakly silicified.										
338	343			Same as 307-338' with 2-3% pyrite;			338	343	5	100				
343	357			Same as 307-338'; more zeolites; 5% Pink zeolites in 1/2" veins @ 020°; 010°; 030°; numerous hairline pyrite veinlets @ 030°.			343	357	14	100				
357	378			Dark green and brown anhydrite flooded Andesite; textures			357	378	21	100				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-16

SHEET NUMBER 6 OF 7

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS									
FROM	TO	WIDTH	RCVRY		NUMBER	% SILICES	FOOTAGE				oz/ton							
							FROM	TO	WIDTH	RCVRY	Au	Ag	Au	Ag				
378	380							378	380	2	100							
380	382				0546			380	382	2	100							
382	407							382	407	25	100							
407	410.3				0547			407	410.3	3.3	100							
410.3	417.5				0548			410.3	417.5	2.2	100							
412.5	415.2				0549			412.5	415.2	2.7	100							
415.2	417				0550			415.2	417	1.8	100							
417	421.3																	
421.3	423				0701			421.3	423	1.7	100							
423	428							423	428	5	100							
428	432				0702			428	432	4	100							
432	437				0703			432	437	5	100							
437	468							437	468	31	100							



# DIAMOND DRILL HOLE RECORD

DRILLED BY: D.W. COATES ENTERPRISES  
 HOLE NUMBER: 74-17 LENGTH: 396  
 LOCATION: Chappelle DIP: -040° @ collar  
 LATITUDE: 6927.25 N DEPARTURE: 39,506.77 E  
 ELEVATION: 5750.8' AZIMUTH: 130°  
 HOLE STARTED: Sept 1, 1974 HOLE COMPLETED: Sept 4, 1974

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
396	-042 $\frac{1}{2}$ °				

SHEET No.1 OF: 5  
 HOLE NUMBER: 74-17  
 PROPERTY: CHAPPELLE  
 ACCOUNT No.: 301-0  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton		ASSAYS	
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY		Au	Ag
							FROM	TO	WIDTH	RCVRY		
0	16					0	16					
16	39					16	39	23	80			
39	50					39	50	11	85			
50	72					50	72	22	90			
72	78					72	78	6	80			
78	86					78	86	8	75			
86	104					86	90	4	50			
						90	96	6	60			
						96	104	8	35			
104	106				0704	104	106	2				
106	116.5					106	116.5	10.5	10			
116.5	121					116.5	121	4.5	10			



# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-17

SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
				recovery.										
121	125			Light to dark green Andesite Augite Porphyry; 1% Pyrite epidote and zeolites on fractures; abundant chlorite;			121	125	4	90				
125	128.5			Light grey argillized and zeolitized Andesite; fault @ 060°;			125	128.5	3.5	10				
128.5	135.5			Dark green clay altered Andesite Augite Porphyry; rust on fractures; 1% Pyrite;			128.5	135.5	7	95				
135.5	146			Same as above 128.5 - 135.5; highly broken core; 1" to 2" pieces 144 - 146 fault; chloritic gouge			135.5	146	10.5	50				
146	154.5			Yellow-brown strongly argillized quartz eye feldspar porphyry; 146 - 149 largely limonitic stained clay; 149 - 151 yellow limonitic fault gouge attitude 080°? 151 - 153 limonitic porphyry; 153 - 159.5 yellow crumbly core; fault?			146	149	3	100				
							149	151	2	50				
							151	153	2	25				
							153	154.5	1.5	90				
154.5	158			Light grey zeolitic and clay altered quartz feldspar porphyry; poor recovery; 0.5% Pyrite; fracturing @ 000°; 060°; Qtz eyes to 5mm;			154.5	158	3.5	25				
158	174.4			Grey siliceous feldspar porphyry; weakly clay altered; 0.5% Pyrite Intensely fractured @ 000°; 070°; 030°; highly broken core			158	174.4	16.4	65				
174.4	184			Highly broken grey feldspar porphyry; 1/2" fragments; poor recovery 0.5% diss. pyrite; weakly argillized.			174.4	184	9.6	25				
184	236			Grey weakly silicified quartz eye feldspar porphyry; 0.5% Pyrite weakly argillized; intensely broken core;			184	187.5	3.5	50				
							187.5	194.5	7.0	30				
							194.5	216	21.5	20				
				Sludge sample taken; very little core recovered	0705		216	221	5	<10				SLUDGE
				Sludge sample taken; very little core recovered	0706		221	226	5	<10				SLUDGE

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-17

SHEET NUMBER 3 OF 5

FOOTAGE				DESCRIPTION	SAMPLE NUMBER	% SULFIDES	FOOTAGE				oz/ton		ASSAYS	
FROM	TO	WIDTH	RCVRY				FROM	TO	WIDTH	RCVRY	Au	Ag		
				Sludge sample taken; very little core recovered	0707		226	231	5	<10			SLUDGE	
				Sludge sample taken; very little core recovered	0708		231	236	5	<10			SLUDGE	
236	246			Light to dark grey weakly silicified Quartz feldspar porphyry			236	246	10	40				
				very broken up core; poor recovery; 1/2" to 1" fragments	0709		241	246	5				SLUDGE	
246	251			Green highly broken Andesite Augite Porphyry - very poor recovery	0710		246	251	5	<10			SLUDGE	
				SLUDGE SAMPLE TAKEN FOR ASSAY.										
251	285			251 - 258 dark to light green Andesite; 0.5% Pyrite; highly			251	258	7	50				
				broken into 1" fragments;										
				258 - 266 Same as 251 - 258 slightly better core recovery;			258	266	8	65				
				266 - 283 Dark green fine grained andesite; 0.5% Pyrite;			266	283	7	90				
				fracturing @ 030°; 060°; 000°;										
				283 - 285 Same as 251 - 258; minor zeolites on fractures.	0711		283	285	2	50				
285	296.5			Dark green Andesite Augite Porphyry 1% Pyrite diss and on			285	296.5	11.5	95				
				fractures; Epidote - chlorite common in groundmass and on										
				fractures; 2mm pyrite veinlets common @ 040°;										
				286 - 287 Weakly argillized; minor zeolites;										
296.5	299			Light green weakly silicified Andesite; weak clay alteration;			296.5	299	2.5	90				
				0.5% Pyrite; 30% SiO <sub>2</sub> ;										
299	318			Dark green Andesite Augite Porphyry; zeolites-pyrite common on			299	318	19	95				
				fractures 299.5' - fault @015°; much chlorite; fracturing @ 015°;										
				000°; 060°; core broken into 1/2" to 3" pieces; weakly										
				sericitized in matrix										
318	335			Dark to light green Andesite, intensely zeolitized; mostly as			318	335	17	100				
				fracture fillings;										
				epidote common giving rock light green colour; 0.5% Pyrite;	0712		321	326					SLUDGE	





# DIAMOND DRILL HOLE RECORD

DRILLED BY: D.W. COATES ENTERPRISES  
 HOLE NUMBER: 74-18 LENGTH: 378'  
 LOCATION: Chappelle DIP: -065° @ collar  
 LATITUDE: 6927.25 N DEPARTURE: 39,506.77 E  
 ELEVATION: 5750.8' AZIMUTH: 130°  
 HOLE STARTED: Sept. 4, 1974 HOLE COMPLETED: Sept. 5, 1974

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
378	-066½°				

SHEET No. 1 OF: 5  
 HOLE NUMBER: 74-18  
 PROPERTY: CHAPPELLE  
 ACCOUNT No.: 301-0  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	Au	Ag		
0	15			Overburden			0	15	15					
15	19			highly broken rusty Andesite Augite Porphyry; broken into 1/2" pieces;			15	19	4	50				
19	36			Dark green rusty Andesite Augite porphyry; 1% Diss. pyrite; 3mm pyrite filled fractures mostly @ 030°; minor zeolites on fractures			19	36	17	95				
36	39.5			Grey, pink-mottled siliceous felsic rock; possibly altered andesite; 1% Pyrite, often in 3mm fractures; fracturing strong @ 070°; 030°; 060°;			36	39.5	3.5	100				
39.5	76.5			Grey rusty quartz eye feldspar porphyry; quartz eyes to 4mm; feldspar phenos. < 2mm; 0.5% diss; Pyrite; pyrite on fractures gone to rust; strongly weathered; fracturing strong @ 080°; 030°			36	76.5	40.5	95				
				75.5' - white clay rich fault gouge @ 030° over 3"										
76.5	95			Highly broken white to grey quartz eye felsic rock; up to 35% Quartz eyes; feldspar clay altered; trace of pyrite;			76.5	95	18.5	100				
				85' - fault with 1" grey gouge; attitude 030°?										
				88' - 2" clay rich fault gouge attitude?										
				90-95 green quartz eye felsic rock; weakly sericitized.										
95	121.5			Light green to grey quartz eye feldspar porphyry; quartz eyes			95	121.5	16.5	100				

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-18

SHEET NUMBER 2 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
				smaller 1-2mm; feldspars altered to clay and sericites; 0.5% diss Pyrite strongly fractured @ 080°; 030°; 020° into 1"-2" pieces										
121.5	129			Grey green weakly argillized Quartz eyes feldspar porphyry; 1% Pyrite; highly broken core;			121.5	126	4.5	20				
129	143			Dark green Andesite Augite Porphyry; 1-2% Pyrite; diss and on fractures; fractures @ 080°; 010°; 030°; 060°; broken into 1/2" to 2" pieces;			126	129	3	90				
							129	143	14	95				
143	146			Dark green Andesite Augite Porphyry; tiny feldspar laths; 1mm long			143	146	3	80				
146	148			Dark grey to green weakly argillized Andesite Aug. Porphyry; 0.5% Pyrite; highly broken into 1/2" pieces;			146	148	2	50				
148	153			Few pebbles of silicified volcanic and quartz, almost no core. recovered	0714		148	153	5	5				
153	154			Intensely silicified Andesite with quartz pebbles; very poor recovery;			153	154	1	5				
154	182			Grey to light green quartz eye feldspar porphyry; feldspar phenos 1 - 2mm; Qtz eyes 1mm; 0.5% Pyrite; highly broken core, into 1/2" to 1" pieces. Minor zeolites on fractures, frac's @ 080°; 030°;			154	182	28	85				
182	193			Dark green weakly silicified Andesite; some 1/2" quartz veinlets @ 060°; 1% diss. Pyrite; zeolites common on fractures; highly broken core 1/2" to 1" pieces;			182	193	11	85				
193	210			Dark grey to brown weakly silicified Andesite; 2% diss. pyrite broken into 1/2" pieces; zeolites and pyrite on fractures; Pyrite replacing augite phenos; chlorite common bordering pyrite;			193	210	17	75				



# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-18

SHEET NUMBER 4 OF 5

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE				Au	Ag		
							FROM	TO	WIDTH	RCVRY				
272	273.5					272	273.5	1.5	85					
				Weakly silicified Andesite; minor quartz veinlets, zeolites and pyrite on fractures; 2% Pyrite; 20% SiO <sub>2</sub> ; minor argillic alt'n;										
273.5	280.5					273.5	280.5	7.0	95					
				Light green-brown weakly silicified andesite; 1% Pyrite zeolites common; 20% SiO <sub>2</sub> ; mostly in matrix; no visible mineralization; highly broken core; into 1/4" to 1" pieces.										
280.5	296					280.5	296	15.5	90					
				Dark green to light green and grey silicified Andesite Aug. Porph; <10% SiO <sub>2</sub> , 1% Pyrite; weak argillic alteration, prophyllitized; fracturing strong @ 070°; 030°; 000°; breaking core into 1"-2" pieces; zeolites on fractures										
296	301					296	301	5	90					
				Grey pyritic weakly silicified and argillized Andesite; relic texture visible; 0.5% diss. Pyrite; minor zeolites on fractures; 40% SiO <sub>2</sub> ; no visible mineralization; 298 - 1" fault gouge @ 080°; 300 - 301 Highly broken gouged andesite attitude?										
301	306													
				Dark to light green Andesite Augite Porphyry; weakly silicified; 15% SiO <sub>2</sub> ; 0.5% Pyrite										
						301	303	2	40					
				301 - 303 Highly broken into 1'2" pieces; fractures @ 040°; 080°; 010°										
						303	306	3	95					
				306 - 2" fault gouge @ 030°; with zeolites;										
306	316					306	316	10	95					
				Dark green massive andesite; cut by zeolites veinlets @ 030°; 070°; Occasional quartz veinlets with zeolites; 0.5% Pyrite; broken into 1/2" to 1" pieces										
316	318					316	318	2	80					
				Light to dark green Andesite Aug. Porph; highly broken to 1/2" pieces										







# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-19

SHEET NUMBER 2 OF 4

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Au	Ag		
94	147			Dark green Andesite Augite Porphyry; numerous 2mm pyrite veinlets @ 030°; much pyrite leached out leaving open fractures; rusty on fractures.			94	106		90				
				106 - 107 very crumbled and broken core; 1" gouge @ 060°;			106	107	1	50				
				107 - 109 bleached Andesite Augite Porphyry;			107	109	2	100				
				120- zeolite gouged zone @ 025°; fault?										
				109 - 136 Dark green fresh And. Aug. Porph.			109	136	27	100				
				136 - 139 rusted and gouged andesite; 30% gouge; fault @ 015° and strong fractures @ 080°; 030°;			136	139	3	85				
				139 - 147 rusty Andesite Augite Porphyry; pyrite leached on fractures;			139	147	8	80				
147	149			White quartz vein: broken into 1/4" to 1/2" pieces; poor recovery; no visible sulphides; not even pyrite;			147	149	2	20				
149	164			Grey to dark green weakly silicified Andesite; 20% SiO <sub>2</sub> feldspar groundmass weakly argillized; 0.5% diss pyrite, occasional quartz veinlets @ 060°; Intensely fractured: @ 030°, 015°, 060°, 045° often intersecting.			149	164	15	70				
164	175			No core recovered;?			164	175	11	0				
175	177			Light brown sand; consisting of quartz, feldspar and black volcanic fragments.			175	177	2	<10				
177	186			Grey, white-mottled quartz-eye feldspar porphyry (rhyodacite). Euhedral feldspar phenos 2-3mm; quartz eyes 1-4mm; 0.5% diss Pyrite			177	186	9	100				
186	191			Light grey, rusty argillized quartz eye feldspar porphyry; coarse grained sericite common; 0.5% diss pyrite; fracturing @ 010°;			186	191	5	90				





# DIAMOND DRILL HOLE RECORD

DRILLED BY: D. W. COATES ENTERPRISES  
 HOLE NUMBER: 74-20 LENGTH: 295  
 LOCATION: Chappelle DIP: -040° @ collar  
 LATITUDE: 7010.45 N DEPARTURE: 39,622.57 E  
 ELEVATION: 5757.3' AZIMUTH: 130°  
 HOLE STARTED: Sept. 9, 1974 HOLE COMPLETED: Sept 10, 1974

ACID &/OR TRO - PARI TESTS					
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
295	-041°				

SHEET No. 1 OF: 3  
 HOLE NUMBER: 74-20  
 PROPERTY: CHAPPELLE  
 ACCOUNT No.: 301-1  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: T. Drown

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY		Au	Ag		
							FROM	TO	WIDTH	RCVRY				
0	11													
11	30					11	30	19	90					
30	43.3					30	43.3	13.3	90					
43.3	47					43.3	47	3.7	00					
47	50					47	50	3	45					
50	52.5					50	52.5	2.5	80					
52.5	74.5					52.5	74.5	22	85					
74.5	95					74.5	84	9.5	00					
95	123.5					95	123.5	27.5	95					

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-20

SHEET NUMBER 2 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				oz/ton ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE		% RCVRY	Au	Ag		
							FROM	TO					
				diss and on fractures; zeolites common on fractures; Augites largely to chlorite;									
				113.4 - 2" felsic dyke attitude?									
123.5	136			Grey to light brown mottled feldspar porphyry; syenite or monzonite; pink zeolite on fractures; fracturing @ 060°; 025°; 0.5% diss pyrite, mostly replacing mafics; euhedral feldspar phenos 1-3mm, chloritized mafic; Augite? Hornblende?			123.5	136	12.5	100			
136	160			Grey to pink feldspar porphyry; syenite; large orthoclase phenos 1-3mm; 0.5% diss pyrite; occasional pyrite on fractures; Pink Laumontite on fractures; occasional zones of grey syenite; Bleaching near strong fractures;			136	160	24	100			
160	242			Pink coarse grained syenite; occasional narrow quartz veinlets at 030°; quartz becoming more common in syenite; fracturing @ 045°; 010°; 075° 175 - 178 Zeolite flooded; very pink colouration due to zeolites;			160	242	82	100			
				170 - 180 Minor volcanic xenoliths. 1" diameter;									
				213.5 - 2" crushed zone with pyrite bands @ 040°;									
				230 - 236 bleached syenite along occasional quartz veins @ 060°; Silicified pyritic fault zone 235-236 @ 020°; 2% pyrite in vuggy quartz;									
242	295			Pink medium grained syenite, zeolites common on fractures; occasional bleaching of syenite bordering fractures			242	251	9	100			
				251 - 254 clay rich fault gouge @ 030°; argillized and bleached wallrocks;			251	254	3	50			

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER: 74-20

SHEET NUMBER 3 OF 3

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	FROM	TO	WIDTH	RCVRY	Al	Ac		
				254 - 258	Silicified syenite, 20% SiO <sub>2</sub> ; broken to pabbles;	254	258	4	50				
				258 - 260	Crumbly pink zeolitized syenite; zeolites in groundmass and on fractures; (Laumontite);	258	260	2	80				
				260 - 265	Pink syenite; fractures @ 030°; 060° Zeolites on 039° fractures; Occasional quartz veinlets @ 020°;	260	265	5	100				
				265 - 267	Crushed zone in Syenite @ 020°; 3% Pyrite in bands @ 020°;	265	267	2	100				
				267 - 295	Pink Syenite; variably altered near faults and fractures.	267	295	19	95				
				275.6 - 277	Silicified syenite, broken to pebbles 1/2 dia.								
				281 - 2"	gouge @ 030°;								
				285 - 3"	gouged and silicified Syenite @ 030°								
				286 - 293	Crumbly zeolitized Syenite; 10-15% Laumontite on fractures and in groundmass;	286	293	7	95				
293	295			293 - 295	chloritized syenite; fault zone with green, pink-mottled syenite fragments; fault @ 030°;	293	295	2	80				
				HOLE ENDS @ 295									
				(Dip Test @ 295' = -041°)									



APPENDIX NO. 1

DIAMOND DRILLING AGREEMENT BETWEEN D.W. COATES  
ENTERPRISES LTD. AND DU PONT OF CANADA  
EXPLORATION LIMITED

THIS AGREEMENT made this 2nd day of April, 1974:

BETWEEN:

DUPONT OF CANADA EXPLORATION LTD.  
1550 Alberni Street,  
Vancouver, B.C.

Hereinafter referred to as  
"The Company",

OF THE FIRST PART:

AND:

D. W. COATES ENTERPRISES LTD.,  
1668 West 1st Avenue,  
Vancouver 9, BC.

Hereinafter referred to as  
"The Contractor",

OF THE SECOND PART:

WHEREAS the Company has requested the Contractor to complete a minimum of <sup>14,000</sup> 4,000 feet of drilling and other services as herein set forth, on the property of the Company in the Black Lake area in the Province of British Columbia;

AND WHEREAS the Contractor has agreed to do the said diamond drilling and to perform the other services requested upon the terms, conditions and provisos herein contained;

NOW THEREFORE this Agreement Witnesseth that in consideration of the payment of the amounts herein stipulated and of the mutual covenants hereinafter contained, the parties hereto agree as follows:

SCHEDULE OF RATES - CORING

THAT the Company hereby employs the Contractor to drill on the said property a series of bore holes using a BQ core barrel producing a core of approximately 1.5/16 inches. The Company agrees to pay the Contractor on a footage basis for all drilling according to the following schedule of rates:

<u>From</u>		<u>To</u>	<u>Price/Foot</u>
0	-	500' in depth	\$11.35
500'	-	1000' in depth	\$11.95

It is understood that measurement of all bore holes shall be from the top of the casing or stand pipe as the case may be.

OVERBURDEN

THAT the Company agrees to pay for casing or stand pipe for the first 25 feet in any hole according to the schedule of rates as quoted. The Company further agrees that in the event that casing or stand pipe on any hole exceeds 25 feet, then charges for placing and pulling casing or stand piping on that hole shall be charged on a field cost basis from the collar of the hole.

Whenever pipe or casing is lost or left in a hole on the instructions of the Company's engineer, the Company agrees to pay for

said casing or pipe at prices F.O.B. drill site plus fifteen percent.

The Company agrees to pay the Contractor for the cost of the diamond set shoe or bit in addition to the casing at cost plus ten percent.

The Company further agrees that should the casing or stand pipe exceed 25 feet in any hole, the Contractor would be reimbursed at the rate of \$0.60 per foot of casing employed down the hole to cover wear and tear on the casing.

MOVING BETWEEN HOLES - SETTING UP - TEARING DOWN

THAT the Company agrees to pay the Contractor for all moves between drill site locations on a field cost basis. This item includes obtaining sills, tearing down, setting up and moving. To facilitate moves, the Company agrees to place a tractor on the job or arrange for a helicopter to be made available. *D.S.*

TRANSPORTATION

THAT the Contractor agrees to move his men, equipment and supplies from Smithers to job site and return to Smithers on a field cost

basis.

The Company would supply all necessary aircraft for mobbing, demobbing and for continuing supplies as the job progresses, at no cost to the Contractor.

The erection and teardown of a suitable camp would be performed on a field cost basis.

#### WATER SUPPLY

THAT the Company agrees that the laying, maintaining and removing of the waterlines would be performed on a field cost basis.

#### ACID TESTS

THAT the Contractor agrees to take acid tests at the depths as instructed by the Company's engineer. Such tests will be charged at the rate of two feet of drilling at the depth the tests were taken.

#### DRILLING WITH MUD

THAT it is mutually agreed that should mud be required to pene-

trate the overburden and/or aid in core recovery while core drilling, such mud employed will be charged on a cost at job site plus fifteen percent.

Time employed mixing mud and stabilizing the drill hole would be charged on a field cost basis.

#### CEMENTING

THAT the Company agrees to pay the Contractor for the cementing of bore holes to stop cave-ins on an operating field cost basis.

Waiting for cement to set would be charged on a non-operating field cost basis.

#### TRAVELLING TIME

THAT the Company agrees that should the time required to walk or ride from the camp to the drill site and return per shift be greater than one-half hour, then all travelling time will be recovered on a field cost basis.

#### REAMING AND CASING

THAT the Company agrees that all reaming and casing that is

necessary to stop cave-ins or maintain the return flow of water shall be completed at the Company's request and that the cost of performing such reaming and placing of such casing as may be required will be charged on a field cost basis.

Casing will be charged at the rate of \$0.60 per reamed foot.

#### DIRECTIONAL AND CONTROLLED DRILLING

THAT it is mutually agreed that directional drilling to change the direction of a bore hole and controlled drilling to maintain the angle of a bore hole shall not be part of this agreement.

#### SECURITY

THAT the Contractor will not give out any information regarding drill results or access to core to any person other than to the Company's representative.

#### BOARD AND LODGING

THAT the Contractor agrees that the above schedule of rates includes the board and lodging for his drill crew. Meals would be provided for a Company representative at the rate of \$4.00 per meal.

CORE BOXES

THAT the Company agrees to pay the Contractor \$3.75 per box and \$1.35 per lid, supplied at their request.

DRILLING SITES

THAT the Contractor agrees to case and drill on the sites and at angles and azimuths selected by the Company representative and to follow the instructions of the said representative relating to place and time of drilling.

CORE SPLITTER

THAT the Contractor agrees to supply a core splitter if requested, at the rate of \$25.00 per month.

FIELD COSTS

THAT the Company agrees that the following rates shall apply when certain work as defined in this contract is performed on a field cost basis. "Field Cost" is defined as all direct labour, including supervision, drill and support equipment per hour, and cost of pipe or casing lost, diamond loss, and



materials and supplies consumed in this work.

Operating Field Costs

Labour	\$10.15 per man hour
Drill	\$7.50 per hour
Pump	\$0.75 per hour
Mud Mixer (when applicable)	\$0.50 per hour
Materials Consumed	Cost at job site plus eighteen percent.

Note: No charge is made for drill or pumps when mobbing or demobbing and moving between holes.

Non-Operating Field Costs: - Maximum 8 hours per day:

Labour	\$9.30 per man hour
Drill - pumps, etc.	\$3.50 per hour

PAYMENTS

THAT the Company agrees to make payments at the rates hereinbefore specified in accordance with the terms hereinafter set out, that is: For all work done hereunder between the first and 15th day and the 16th and last day of the month, payment shall be due and payable in 15 days. Interest at the rate of twelve percent per annum shall be added to all accounts more than thirty days overdue, from date of invoice. These payments shall be made as the work progresses in conformity with the Contractor's semi-monthly invoices.

CAVED OR BROKEN GROUND

THAT in the event that cavities or loose and caving materials are encountered of a nature as to prevent the successful completion of any hole, the Contractor does not, under such conditions, guarantee to drill to a predetermined depth and in the event that it becomes necessary to abandon the hole, the Company agrees to pay for such incompletd holes at the rates herein specified for all footage completed.

In the event it becomes necessary to resort to cementing, reaming or casing, the Company agrees to reimburse the Contractor to the extent of Field Cost.

ENVIRONMENT

THAT during the course of the work, the Contractor shall at all times keep the client's premises free from accumulation of waste material or rubbish and upon completion of the work shall remove all tools, scaffolding and surplus material and leave the premises in a clean condition. The Contractor shall observe and comply with all applicable Federal and Provincial laws, regulations and orders relating to prevention of forest fires and sanitation in the bush.

COMPENSATION AND INSURANCE

THAT the Contractor will obtain and continue in force, during the term of this agreement, at its own expense, all insurance specified below. The Contractor will not commence work nor allow any sub-contractor to commence work until all insurance to be obtained by the Contractor has been approved and accepted by the Company.

The insurance to be obtained and continued in force by the Contractor is the following:

- (a) Workmen's Compensation Insurance.
- (b) Comprehensive Automobile Liability Insurance, with Bodily Injury Limits of \$100,000.00, each person and \$300,000.00 each accident and Property damage with a Limit of \$25,000.00 each accident.
- (c) Comprehensive General Liability and Property damage insurance including Operations, Protective and Contractual liability coverages, with Bodily Injury Limits of \$100,000.00 per person and \$300,000.00 each occurrence, and \$100,000.00 aggregate operations, \$100,000.00 aggregate protective, \$100,000.00 aggregate contractual.

Any exclusion of the insurance pertaining to (1) damage to underground property, (2) collapse of structures, or (3) damage resulting from explosion or blasting, shall be deleted. Certificates of insurance which shall be furnished to the Company shall include the following statements:

- (aa) At least ten (10) days prior to the effective date of any material change or cancellation, written notice thereof will be sent by registered mail to the Company.

- (bb) The Contractual Liability insurance coverage covers the liability of the insured assumed under the insurance provisions of the contract entered into with the Company dated the 2nd day of April, 1974.
- (cc) The Comprehensive General Liability Insurance coverage covers (1) damage to underground property, (2) collapse of structures, (3) damage resulting from explosion or blasting, and (4) liability for sickness or injury, including death, to any employee not compensable under the Workmen's Compensation Act of British Columbia.

#### ESCALATION

THAT both the Contractor and the Company appreciate the inflationary forces that are prevalent and active to-day. It is thus agreed that the enclosed schedule includes (1) the labour rates that will be in effect after April 1, 1974 and (2) the costs for diamonds, rods, casing, fuel and food as of March 1, 1974.

Should there be any marked increases in (2), then it is agreed that the schedule of rates would be adjusted to compensate for such increases.

#### RIGHT OF CANCELLATION

THAT the Contractor reserves the right to cancel this contract

should its fulfillment be rendered impossible by:

(a) War, invasion, insurrection, riot, the order or regulations of any civil or military authority, or by strikes, lockouts, or labour disputes, whether in or in the neighbourhood of the Contractor's plant or of that of any supplier of materials necessary for the completion of the contract.

(b) The inability to obtain essential materials and supplies due to priority restriction.

(c) The inability to secure labour due to the restrictions or causes beyond the Contractor's control, and the Contractor shall not be liable for any loss or damage directly or indirectly suffered by the Company by reason of exercise of such right of cancellation.

THAT it is mutually agreed that this agreement shall be binding upon and enure to the benefit of the parties hereto, their respective successors and permitted assigns, but shall not be assignable by either party without the consent in writing of the other party first had and obtained.

THAT it is further agreed that this agreement and any dispute arising hereunder shall be interpreted and determined in accordance with the laws of the Province of British Columbia.

THAT any notice required to be given hereunder shall be properly

given if mailed by registered letter addressed to the Company as follows:

DUPONT OF CANADA EXPLORATION LTD.  
1550 Alberni Street,  
Vancouver, B.C.

or to the Contractor by registered letter addressed as follows:


D. W. COATES ENTERPRISES LTD.  
1668 West 1st Avenue,  
Vancouver 9, B.C.

IN WITNESS WHEREOF these presents have been executed by the parties hereto the day and year first above written:

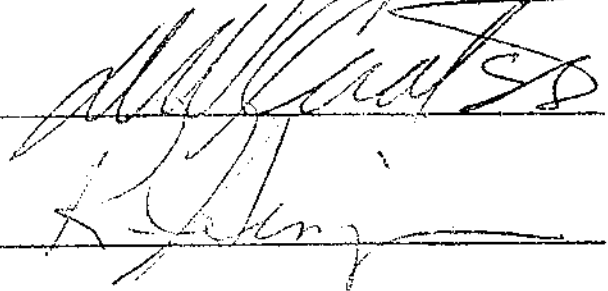
SIGNED, SEALED AND DELIVERED  
in the presence of:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DUPONT OF CANADA EXPLORATION LTD.



D. W. COATES ENTERPRISES LTD.



APPENDIX NO. 2

DIAMOND DRILLING INVOICES

Department of Canada Exploration Ltd.,  
550 Alberni Street,  
Vancouver, B.C.

INVOICE

AUG 10 1974

D.W. COATES ENTERPRISES LTD.

1668 - 1st AVENUE WEST  
VANCOUVER 9, B.C.

INVOICE NO.: 757

JOB NO.: 223

Date: August 7, 1974.

Project: Black Lake Area Drilling.

PERIOD: July 20 - 31, 1974.

Drilling Detail	\$ 17,660.60
Overburden	1,663.77
Move, Setup & Teardown	385.70
Transportation	1,075.90
Acid Tests	113.50
Drilling with Mud	88.67
Board & Lodging	368.00
Core Boxes	228.75
	<hr/>
	\$ 21,584.89
	<hr/> <hr/>

E. & O. E.



Drilling Detail

<u>Hole #</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate/Foot</u>	<u>Amount</u>
1	BQ	0	60	60	Field Cost	-
1	"	60	267	207	\$11.35	\$ 2,349.45
2	"	0	33	33	Field Cost	-
2	"	33	338	305	\$11.35	3,461.75
3	"	0	27	27	Field Cost	-
3	"	27	498	471	\$11.35	5,345.85
4	"	0	54	54	Field Cost	-
4	"	54	265	211	\$11.35	2,394.85
5	"	0	354	354	11.35	4,017.90
6	"	0	8	8	11.35	90.80
				<u>1730'</u>		<u>\$17,660.60</u>

Overburden

(a) Labour & Equipment:

<u>Date</u>	<u>Hole #</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>
July 24 D	1	B Casing to 60'	12	6
" 25 D	1 & 2	Pull Casing & Place to 33' & ream to 43'	9	4½
" 26 D	2 & 3	" " " " to 27' & " to 37'	8	4
" 27 N	3	Pulled Casing	2	1
" 28 D	4	Tricone to 51'	14	7
" 28 N	4	BW Casing to 54'	7	3½
" 29 N	4	Pull Casing	<u>2</u>	<u>1</u>
			54	27

Labour:	54 hours	@ \$10.15/hr.	\$ 548.10	
Drill :	27 "	@ 7.50/hr.	202.50	
Pump :	27 "	@ (2x.75)/hr.	<u>40.50</u>	\$ 791.10

(b) Material:

Casing Charge for Overburden:	174 ft. @ .60/ft.	\$104.40'	
" " " Reaming	20 ft. @ .60/ft.	12.00	
2 NW Casing Shoes @ \$178.87		357.74	
1 BW " " @ \$132.88		132.88	
1 3.7/8 Tricone		77.70	
2 10' Length BW Casing @ \$28.35		56.70	
1 Adaptor -API Box to NW Casing		28.35	
1 " BW Casing to NW Casing		25.75	
Frei ght on above		<u>8.40</u>	
		\$803.92	
Plus 10% on \$687.52		<u>68.75</u>	\$ 872.67

Total Overburden: \$1,663.77

Moves, Setup & Teardowns:

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>
July 25 D	Setup - Hole #2	3
" 26 D	" - " #3	2
" 27 N	Teardown - Hole #3	1
" 28 D	Teardown, Move & Setup -Hole #4	20
" 29 N	Setup - Hole #5	3
" 31 D	" - Hole #6	3
" 31 N	Teardown - Hole #6	6
		<u>38</u>

Labour: 38 hours @ \$10.15/hr.

\$ 385.70

Transportation:

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>
July 18 D	Spotting Hole	3
" 20 D	Flying Equipment	18
" 21 D	" "	12
" 22 D	" "	21
" 23 D	Setup Camp & Drill	40
" 24 D	Setup Drill	12
		<u>106</u>

Labour: 106 hours @ \$10.15/hr.

\$ 1,075.90

Acid Tests

<u>Hole #</u>	<u>Depth</u>	<u>No. of Tests</u>
1	267'	1
2	300'	1
3	498'	1
4	265'	1
5	354'	1

5 tests @ (2 x \$11.35)

\$ 113.50

Drilling with Mud

<u>Date</u>	<u>Hole #</u>	<u>Quik Gel</u>	<u>Quick Trol</u>	
July 28 N	4	1	2	
" 29 D	4	1	2	
" 30 D	5	1	2	
" 30 N	5	1	2	
" 31 D	5	<u>3</u>	<u>3</u>	
		4	11	
4	Bags	Quick Gel @ \$5.80/bag	\$ 23.20	
11	"	" Trol @ 4.90/bag	<u>53.90</u>	
			77.10	
		Plus 15%	<u>11.57</u>	\$ 88.67

Board & Lodging

92 Meals @ \$4.00/meal \$ 368.00

Core Boxes

61 BQ Core Boxes @ \$3.75/box \$ 228.75

STG 30 1974 ✓

Canada Exploration Ltd.,  
11th Street,  
Vancouver, B.C.

INVOICE

D.W. COATES ENTERPRISES LTD.

1668 - 1st AVENUE WEST  
VANCOUVER 9, B.C.

732-6921

INVOICE NO.: 773

JOB NO.: 223

DATE: August 26, 1974.

Black Lake Area Drilling.

August 1 - 15, 1974.

Drilling Detail	\$ 26,135.75
Overburden	87.50
Moving, Setting Up & Tearing Down	720.65
Acid Tests	92.00
Drilling with Mud	1,036.27
Cementing	976.43
Reaming Casing	1,773.07
Board & Lodging	552.00
Core Boxes	273.75
Core Splitter	25.00

\$ 31,672.42

E. & O.E.

Drilling Detail

<u>Log #</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate/Foot</u>	<u>Amount</u>
6A	BQ	0	30	30	Field Cost	\$ 3,643.35
6A	BQ	30	351	321	\$11.35	5,141.55
7	BQ	0	453	453	11.35	4,585.40
8	BQ	0	404	404	11.35	5,675.00
9	BQ	0	500	500	11.35	1,290.60
9	BQ	500	608	108	11.95	3,972.50
0	BQ	0	350	350	11.35	1,827.35
1	BQ	0	161	161	11.35	
				<u>2327</u>		<u>\$26,135.75</u>

Overburden

a) Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>	
Aug. 1	BW Casing to 30'	<u>5</u>	<u>2½</u>	
		5	2½	
	Labour: 5 hours @ \$10.15/hr.			\$ 50.75
	Drill: 2½ " @ 7.50/hr.			<u>18.75</u>
				\$ 69.50

b) Materials:

30' Casing @ .60/foot	<u>18.00</u>
<u>Total Overburden:</u>	<u>\$ 87.50</u>

Moving, Setting Up & Tearing Down

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>
Aug. 1 D	Move & Setup - Hole #6A	23
" 2 N	Reset Head - Hole #7	3
" 4 D	" " Hole #8	4
" 8 D	Teardown, Move & Setup -Hole #9	14
" 12 N	Teardown - Hole #9	2
" 13 D	Move & Setup - Hole #10	22
" 15 D	Reset Head - Hole #11	<u>3</u>
		71

Labour: 71 hours @ \$10.15/hr. \$ 720.65

Field Tests

#	Depth	No. of Tests
6	351'	1
7	453'	1
9	608'	1
10	330'	<u>1</u>
		4

3 Tests @ (2 x \$11.35) \$ 68.10  
 1 Test @ (2 x 11.95) 23.90 \$ 92.00

Grilling with Mud

Rate	Hole #	Quick Gel	Quick Trol	Cellex	Cal Seal	Quick Seal
4 D	8	3 bags	3 bags	- bags	- bags	- bags
4 N	"	8	-	-	-	-
5 D	"	3	3	-	-	-
5 N	"	10	-	-	-	-
6 D	"	2	1	-	-	-
6 N	"	3	-	-	-	-
7 D	"	5	-	-	-	-
7 N	"	1	-	-	-	-
8 D	9	2	1	1	-	-
8 N	"	3	3	1	-	-
9 D	"	2	2	1	-	-
9 N	"	3	3	1	-	-
10 D	"	4	-	2	3	-
10 N	"	1	1	-	-	1
11 D	"	4	4	2	-	-
11 N	"	4	4	2	-	-
12 D	"	5	5	2	-	-
12 N	"	2	2	1	-	-
13 D	10	2	2	2	-	-
13 N	"	5	5	2	-	-
14 D	"	4	8	2	-	-
14 N	"	5	4	2	-	-
15 D	11	2	2	1	-	-
15 N	"	<u>4</u>	<u>4</u>	<u>2</u>	<u>-</u>	<u>-</u>
		87	57	24	3*	1

87 Bags Quick Gel @ \$5.80/bag \$ 504.60  
 57 " " Trol @ 4.90/bag 279.30  
 24 " Cellex @ 3.95/bag 94.80  
 1 " Quick Seal @ 22.40/bag 22.40  
 \$ 901.10  
 Plus 15%: 135.17 \$ 1,036.27

\* Cal Seal charged under Cementing

ating

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>	
Aug. 10 D	Cement Hole #9	6	3	
" 10 N	Pump Cement, Drill out	<u>19</u>	<u>9½</u>	
		25	12½	
Labour:	25 hours @ \$10.15/hr.			\$ 253.75
Drill :	12½ " @ 7.50/hr.			93.75
Pump :	12½ " @ (2 x .75)/hr.			<u>18.75</u>
				\$ 366.25

b) Materials:

3 bags Cal Seal Cement @ \$18.70/bag	\$ 56.10	
1 45 gal. Drum (mix cement)	12.00	
1 BQ Core Bit	264.25	
1 BQ Reaming Shell	<u>184.75</u>	
	\$ 517.10	
Plus 18%	<u>93.08</u>	\$ 610.18
		<u>\$ 976.43</u>

Reaming & Casing

a) Labour & Equipment

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>	
Aug. 2	Ream BW Casing 13'- 20'	2	1	
" 7 D	" BW Casing 20'-110'	22	11	
" 7 N	Drill ahead of Casing	8	4	
" 8 D	Ream BW Casing 4'-9'	1	½	
" 10 N	Ream BW Casing 9'-15'	3	1½	
" 11 D	" " " 15'-150'	20	10	
" 11 N	" " " 150'-250'	<u>19</u>	<u>9½</u>	
		75	37½	
Labour:	75 hours @ \$10.15/hr.			\$ 761.25
Drill :	37½ " @ 7.50/hr.			281.25
Pump :	37½ " @ (2 x .75)/hr.			<u>56.25</u>
				\$ 1,098.75

b) Materials:

Casing Usage Charge: . 343' .@ .60/foot	\$ 205.80	
3 BW Casing Shoes @ \$132.35	<u>397.05</u>	
	602.85	
Plus 18% x 397.05	<u>71.47</u>	674.32
		<u>\$ 1,773.07</u>

Food & Lodging:

138 Menus @ \$4.00/hr.

\$ 552.00

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Core Boxes:

73 BQ Boxes @ \$3.75/box

\$ 273.75

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Core Splitter:

July 16 - August 15, 1974: 1 month @ \$25.00/mo.

\$ 25.00

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SEP 20 1974

Report of Canada Explorations Ltd.,  
550 Alberni Street,  
Vancouver, B.C.

INVOICE

D.W. COATES ENTERPRISES LTD.

1668 - 1st AVENUE WEST  
VANCOUVER 9, B.C.

INVOICE NO.: 784

JOB NO.: 223

Date: Sept. 16, 1974.

Black Lake Area Drilling.

PERIOD: August 16 - 31, 1974.

Drilling Detail	\$ 24,130.85
Moving, Setting Up & Tearing Down	548.10
Acid Tests	114.70
Drilling with Mud	967.57
Cementing	1,446.33
Reaming & Casing	117.55
Board & Lodging	572.00
Core Boxes	352.50
Core Splitter	12.50
	<hr/>
	\$ 28,262.10
	<hr/>

E. & O.E.

Drilling Detail

<u>Hole #</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate/Foot</u>	<u>Amount</u>
11	BQ	161 ✓	401	240 ✓	\$11.35	\$ 2,724.00
12	BQ	0	500	500 ✓	11.35	5,675.00
12	BQ	500 ✓	558	58 ✓	11.95	693.10
13	BQ	0	216	216 ✓	11.35	2,451.60
14	BQ	0	273	273 ✓	11.35	3,098.55
15	BQ	0	348	348 ✓	11.35	3,949.80
16	BQ	0	488	488 ✓	11.35	5,538.80
<u>2123'</u>						<u>\$ 24,130.85</u>

Moving, Setting Up & Tearing Down

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>
Aug. 19 D	Start teardown - Hole #11	2
" 19 N	Setup - Hole #12	2
" 21 D	Start teardown - Hole #12	2
" 21 N	Teardown - Hole #12	7
" 22 D	Move & setup - Hole #13	12
" 23 D	Change angle of Head - Hole #14	2
" 24 D	" " " " - Hole #15	2
" 27 D	Change water line & prepare drill site (Hole #16)	14
" 29 D	Change angle of head - Hole #16	3
" 31 D	Teardown - Hole #16	8
		<u>54</u>

Labour: 54 man hours @ \$10.15/hr.

\$ 548.10

Acid Tests

<u>Hole #</u>	<u>Depth</u>	<u>No. of Tests</u>
11	401'	1
12	558'	1
13	216'	1
14	273'	1
16	488'	<u>1</u>
		5

4 Tests @ (2 x 11.35) \$ 90.80  
 1 " @ (2 x 11.95) 23.90

\$ 114.70

Drilling with Mud

<u>Date</u>	<u>Hole #</u>	<u>Quick Gel</u>	<u>Quick Trol</u>	<u>Celler</u>
Aug. 16	11	8	8	4
" 17	11	6	6	-
" 18	11	4	14	-
" 19	11	-	8	-
" 22	13	7	8	-
" 23	14	10	10	-
" 24	15	9	9	-
" 25	15	12	12	-
" 26	15	7	7	-
" 28	15	5	6	-
		<u>68</u>	<u>88</u>	<u>4</u>

68	Bags Quick Gel @ \$5.80	\$ 394.40
88	" Quick Trol @ 4.90	431.20
4	" Celler @ 3.95	<u>15.80</u>
		841.40
	Plus 15%	<u>126.21</u>

\$ 967.61

\$

Cementing

(a) Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>
Aug. 17 N	Cementing - Hole #11	2	1
" 18 D	" " #11	16	8
" 26 D	" " #15	7	3½
" 26 N	" " #15	10	3
" 28 D	" " #15	2	1
" 28 N	" " #15	<u>16</u>	<u>8</u>
		53	24½

Labour:	53 hours @ \$10.15/hr.	\$ 537.95
Drill :	24½ " @ 7.50/hr.	183.75
Pump: :	24½ " @ (2 x .75)/hr.	<u>36.75</u>

\$ 758.45

(b) Materials:

6 Bags Cal Seal @ \$18.70/bag	\$ 112.20
1 " Kwick Seal @ \$21.75/bag	21.75
2 BQ Core Bits @ \$264.25 (50%)	264.25
2 BQ Reaming Shells @ \$184.75 (50%)	<u>184.75</u>
	\$ 582.95
Plus 18%:	<u>104.93</u>

687.88

Total Cementing:

\$ 1,446.33

Reaming & Casing

(a) Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>
Aug. 19 N	Ream BW Casing 4'-8'	1	½
" 22 D	" " " 10'-21'	2	1
" 23 D	" " " 9'-11'	1	½
" 24 D	" " " 8'-11'	1	½
" 29 D	" " " 8'-11'	1	½
" 29 N	" " " 11'-13'	<u>1</u>	<u>½</u>
		7	3½

Labour:	7 hours	@ \$10.15/hr	\$ 71.05	
Drill :	3½ "	@ 7.50/hr	26.25	
Pump :	3½ "	@ (2 x .75)/hr	<u>5.25</u>	\$ 102.55

(b) Material:

Casing Usage Charge: 25 feet @ .60/foot 15.00

Total Reaming & Casing: \$ 117.55

Board & Lodging

143 meals @ \$4.00/meal \$ 572.00

Core Boxes

94 BQ Core Boxes @ \$3.75/box \$ 352.50

Core Splitter

Aug. 16 - 31 ½ month @ \$25.00/mo. \$ 12.50

SEP 26 1974

Department of Canada Explorations Ltd.,  
550 Alberni Street,  
Vancouver, B.C.

INVOICE

D.W. COATES ENTERPRISES LTD.

1668 - 1st AVENUE WEST  
VANCOUVER 9, B.C.

INVOICE NO.: 789

JOB NO.: 223

Sept. 20, 1974.

Black Lake Area Drilling.

Period: Sept. 1 - 13, 1974.

Drilling Detail	\$15,833.25
Moving, Setting Up & Tearing Down	619.15
Transportation	1,126.65
Reaming Casing	352.29
Acid Tests	90.80
Drilling with Mud	755.21
Board & Lodging	456.00
Core Boxes	667.50
Core Splitter	12.50
Other Charges	214.40
	<hr/>
	\$20,127.75
	<hr/> <hr/>

E. & O.E.

Drilling Detail

<u>Hole #</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate/Foot</u>	<u>Amount</u>
17	BQ	0	396	<del>376</del> ✓ 376 ✓	\$11.35 ✓ <sup>4267.60</sup>	\$ 4,494.60
18	BQ	0	378	378 ✓	11.35	4,290.30
19	BQ	0	326	326 ✓	11.35	3,700.10
20	BQ	0	295	295 ✓	11.35	3,348.25
				<u>1395'</u>		<u>\$15,833.25</u>

Moving, Setting Up & Tearing Down

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	
Sept. 1 D	Move & Setup - Hole #17	16	
" 3 D	Reset Head - " #18	5	
" 6 D	Move & Setup - " #19	23	
" 8 D	Start Teardown " #19	1	
" 9 D	Move & Setup " #20	16	
		<u>61</u>	
Labour: 61 hours @ \$10.15/hr			\$ 619.15

Transportation

Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	
Sept. 10 D	Teardown - Hole #20	13	
" 11 D	Moving out - Job completed	32	
" 12 D	" " " "	40	
" 13 D	" " " "	26	
		<u>111</u>	
Labour: 111 hours @ \$10.15/hr.			\$ 1,126.65

Reaming & Casing

(a) Labour & Equipment:

<u>Date</u>	<u>Memo</u>	<u>Man Hours</u>	<u>Drill</u>	
Sept. 1 D	Ream 16'-21'	1	½	
" 6 D	" 13'-31'	3	1½	
" 6 N	" 31'-35'	1	½	
" 7 D	" 35'-61'	4	2	
" 9 N	" 11'-15'	2	1	
		<u>11</u>	<u>5½</u>	
	Labour: 11 hours @ \$10.15/hr.			\$ 111.65
	Drill: 5½ " @ 7.50/hr.			41.25
	Pumps: 5½ " @ (2 x .75)/hr.			<u>8.25</u>
				\$ 161.15

(b) Materials:

Casing Usage Charge: 57' @ .60/foot	\$ 34.20	
1 BW Casing Shoe	133.00	
Plus 18% on \$133.00	<u>23.94</u>	\$ 191.14

Total Reaming & Casing: \$ 352.29

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Acid Tests

<u>Hole #</u>	<u>Depth</u>	<u>No. of Tests</u>	
17	396'	1	
18	378'	1	
19	325'	1	
20	295'	<u>1</u>	
		4	
	4 Tests @ (2 x \$11.35)		\$ 90.80

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Drilling with Mud

<u>Date:</u>	<u>Hole #</u>	<u>Quick Gel</u>	<u>Quick Trol</u>
Sept. 1	17	6	9
" 2	17	12	12
" 3	17 & 18	9	9
" 4	18	11	11
" 5	18	7	7
" 6	19	3	3
" 7	19	9	9
" 8	19	3	3
		<u>60</u>	<u>63</u>

60 Bags Quick Gel @ \$5.80  
 63 " " Trol @ 4.90

\$ 348.00  
308.70

656.70  
98.51

Plus 15%

\$ 755.21

Board & Lodging

114 meals @ \$4.00/meal

\$ 456.00

Core Splitter:

Sept. 1 - 15 1/2 month @ \$25.00/mo.

\$ 12.50

Core Boxes

52 BQ Core Boxes @ \$3.75/box  
 350 BQ Core Box Lids @ \$1.35/lid

\$ 195.00  
472.50

\$ 667.50

Other Charges

135 gals. Heating Oil @ \$0.44/gal.

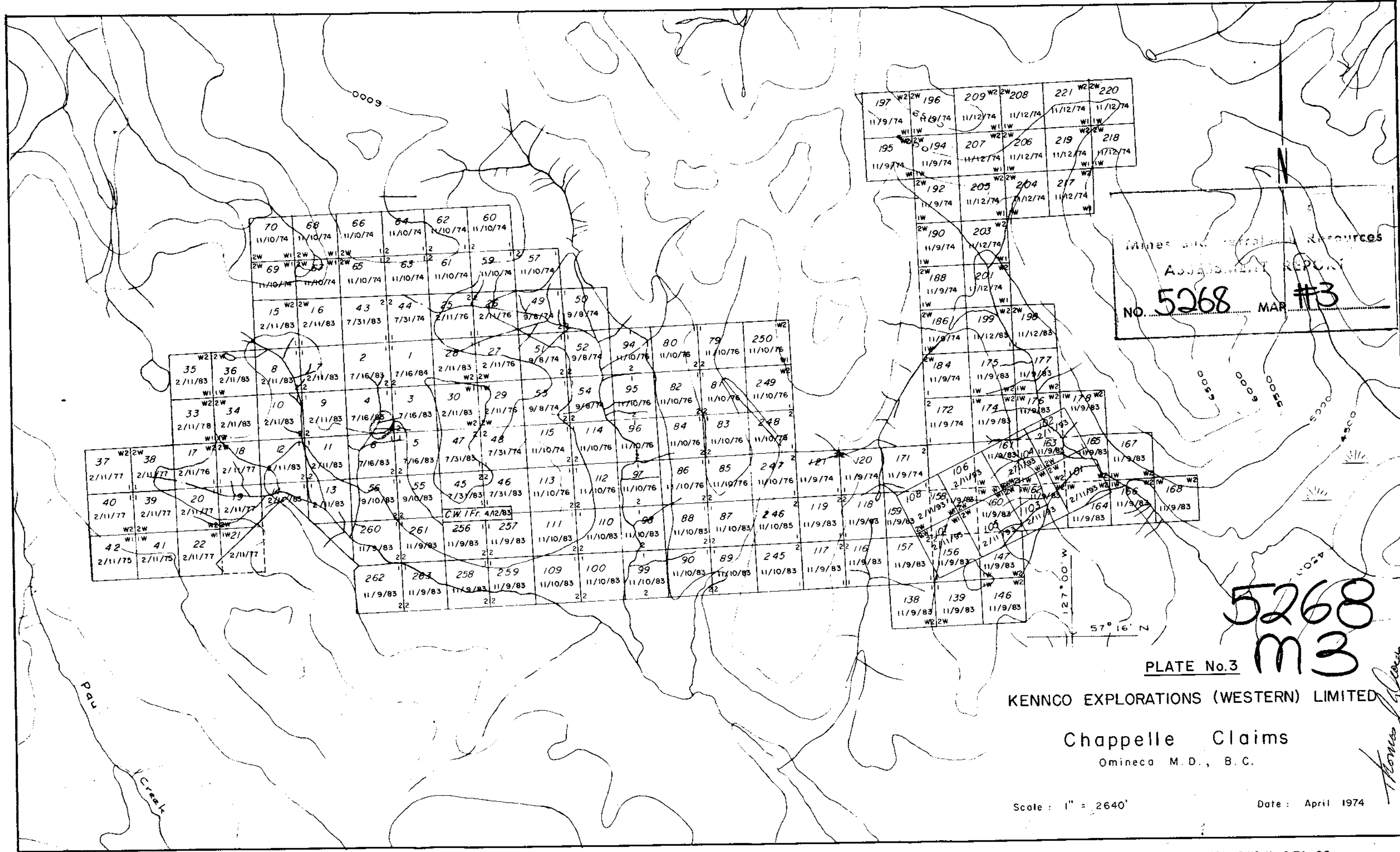
\$ 59.40

Repairs to Sloop runners

155.00

\$ 214.40





Assignment Report  
 No. 5268 MAP #3

5268  
 M3

PLATE No.3  
 KENCO EXPLORATIONS (WESTERN) LIMITED  
 Chappelle Claims  
 Omineca M.D., B.C.

Scale: 1" = 2640' Date: April 1974



- LEGEND**
- OVERBURDEN, NO OUTCROP
  - 5 QUARTZ VEIN
  - 4 QUARTZ EYE FELDSPAR PORPHYRY
  - 3 HOGEN INTRUSION (SYENITE)
  - 2 TAKLA VOLCANICS (ANDESITE AUGITE PORPHYRY)
  - 1 CACHE CREEK LIMESTONE
  - OUTCROP
  - CONTACT
  - FAULT
  - TRENCH
  - CLAIM POST
  - MAGNETOMETER SURVEY GRID LINES

N  
5268  
MAP 5

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5268 MAP #5

PLATE No.5

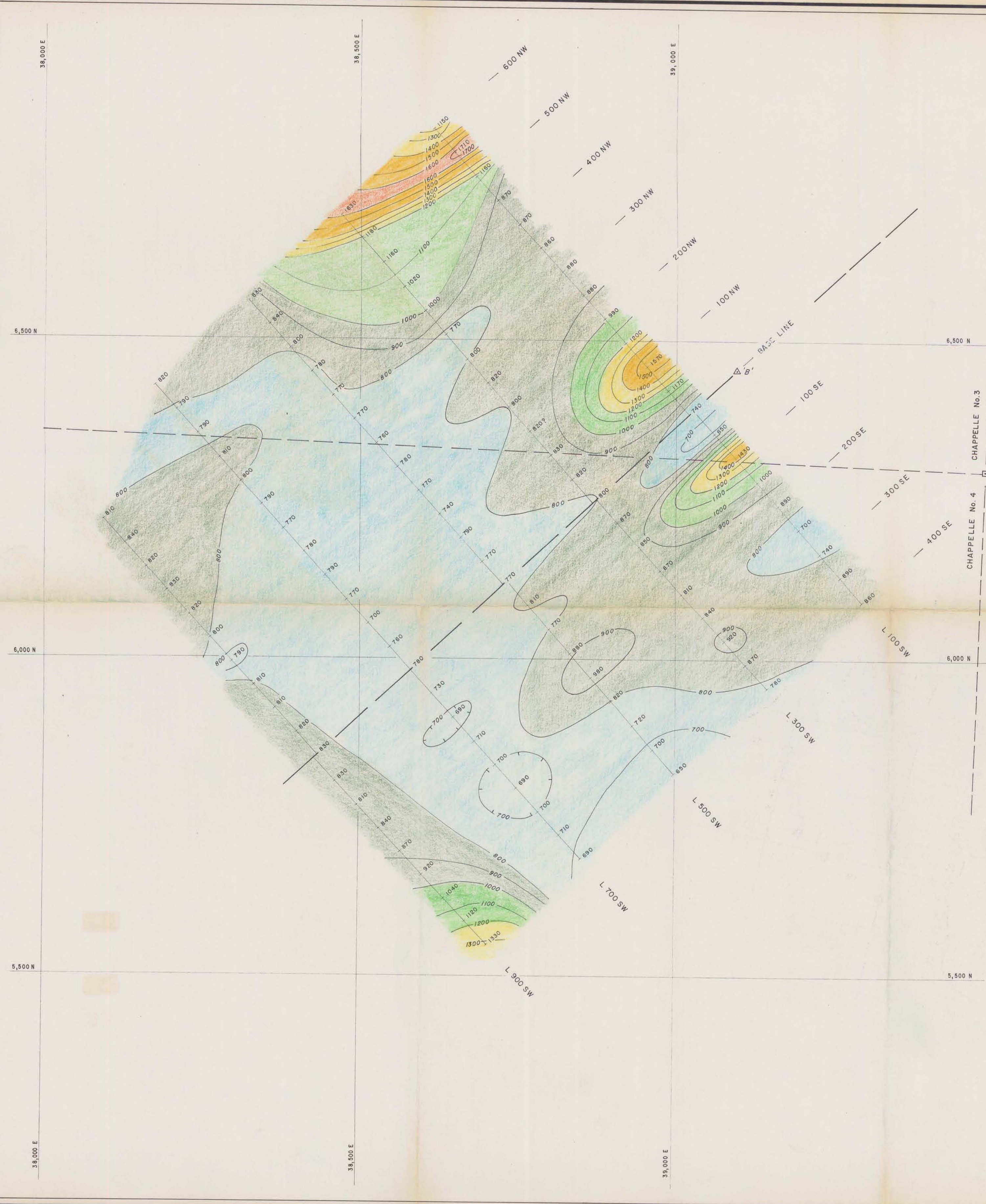
**DU PONT** EXPLORATION  
CANADA

GEOLOGY  
CHAPPELLE CLAIMS  
OMINECA MINING DIVISION, B.C.

100 50 0 100 200  
SCALE: 1 INCH = 100 FEET

MAPPED BY : T.J.D.	REVISED :	N.T.S. No. : 94 E 6
DATE : Aug. 74		ACC'T No. : 301 - 0
DRAWN BY : K.L.J.		DWG. No. : C. 74 - 38
DATE : Oct. 74		

*Thomas J. D.*



**LEGEND**

	1 TO 200 GAMMAS
	201 " 400 "
	401 " 600 "
	601 " 800 "
	801 " 1000 "
	1001 " 1200 "
	1201 " 1400 "
	1401 " 1600 "
	1601 TO 1800 GAMMAS

700 CONTOUR INTERVAL 100 GAMMAS  
 MAGNETIC DEPRESSION  
 INSTRUMENT : M-700 MAGNETOMETER  
 CLAIM POST

N  
 5268  
 MAP 4

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 5268 MAP #4

PLATE No. 4

**DUPONT EXPLORATION**  
 CANADA

1974  
 MAGNETOMETER SURVEY  
 CHAPPELLE CLAIMS  
 OMINECA MINING DIVISION, B.C.

SCALE: 1 INCH = 100 FEET

MAPPED BY : R.M.B.	REVISED :	N.T.S. No. : 94 E 6
DATE : Aug. 74		ACC'T No. : 301 - 0
DRAWN BY : K.L.J.		DWG. No. : C. 74 - 26
DATE : Oct. 74		