GEOLOG

811825

DRILL HOLE GEOLOGIC LOG

CW BG CHAPMAN, WOOD AND GRISWOLD LTD.

HOLE NUMBER 72-5

COMPANY: GETTY MINES, LIMITED PROPERTY: ASHNOLA LOGGED BY: G. FOYE DATE: Aug. 13, 1972 PAGE 1 OF 6

CW & G. FORM 7 PH 05

DIP Vert AZIM.

TYPE OF HOLE: DDH ✓ RDH PDH

NORTHING 9,980

EASTING 10,770

COLLAR ELEVATION

DEPTH TO BASE OF LIMONITES DLI = 230

ESTIMATES & ASSAYS — ELEMENTS OR MINERALS: Cu Mo

SCALES → C B B C B C B C B D D D D A A A A A A

NOTE: FILL OUT HEADING INFORMATION ON FIRST PAGE ONLY EXCEPT FOR PAGE AND HOLE NUMBER

Sample Number	Visual	Actual	Depth to Bottom of Interval Described	Rock Type (4-letter code)	Type Modifier	Colour (Normal / Colour / Value)	Qualifying Mineral(s)	Texture	Grain Size	All Fracs: Fracture Density	% With Sulphides	Gp1 (<30°): Fracture Density	% with Sulphides	Gp2 (30-60°): Fracture Density	% with Sulphides	Gp3 (>60°): Fracture Density	% With Sulphides	Mode of Occurrence / % (Vol.) of Mineral: QZ	KF	BI	MS	CY	CL	EP	CB	Other Alteration Minerals (names given on names card or on each code line)	Alteration Intensity	Limonites: Mobility	Gangue Reactivity	Colour Code (M N S L or JA GO HE XX)	Mineralization (cap only or below dli): Other Minerals (use 2-letter codes on code lines)	PY	CP	BO	MO	Ch	Comments (to be keypunched after remark / for comments which will not be keypunched)
																																						Overburden and casing to 20'
31876		<.01	20																																			
31877		<.01	30	RHYL	4		6		1	B	2	0	0	1	0	1	0	0	0	2	5		9	2				2	5	5	5			2	0	5	2	0	
31878 (40-50)		<.01	40	RHYL	4		6		1	B	2	1	0	1	1	1	1	0	1	2	5		9	2				2	5	5	5			2	0	5	2	0	Softer and finer grained than previous rhyolite
		<.01	45	RHYL	3		6		1	B	3	N	0	1	N	1	N	1	N	1	4		9	2				7	3	5	3					5			
31879		.02	60	RHYL	4		6		1	B	4	1	1	1	1	2	1	1	1	2	5		9	2				2	5	5	5			2	2	6	2	2	
																																				8	0	8	0

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CW BG CHAPMAN, WOOD AND GRISWOLD LTD.

COMPANY: PROPERTY: LOGGED BY: DATE:

HOLE NUMBER 72-5

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C.W. & G. FORM 71-03 P.H. BLANK

DIP ____ AZIM. ____

TYPE OF HOLE: DDH / RDH / PDH

CORE

STRUCTURE AND/OR ALTERATION | ROCK TYPE | ZONE

NORTHING

EASTING

COLLAR ELEVATION

DEPTH TO BASE OF LIMONITES DLI =

ESTIMATES & ASSAYS

ELEMENTS OR MINERALS: Cu Mo

SCALES →

NAMES →

NOTE— FILL OUT HEADING INFORMATION ON FIRST PAGE ONLY EXCEPT FOR PAGE AND HOLE NUMBER

COMMENTS TO BE KEYPUNCHED AFTER REMARK — FOR COMMENTS WHICH WILL NOT BE KEYPUNCHED

PRINC. ZONES & CONTACTS & FAULTS & DYKES — DEPTH TO BOTTOM OF INTERVAL DESCRIBED

ROCK TYPE — USE 4-LETTER CODE — TYPE MODIFIER — COLOUR CODE M N S L (NORMAL, OR COLOUR, OR VALUE) — QUALIFYING — MINERAL (%) — TEXTURE — GRAIN SIZE

FRACTURES — ALL FRACS (Fracture Density, % with Sulphides, % with Zone Width) — GP1 (Fracture Density, % with Sulphides) — GP2 (Fracture Density, % with Sulphides) — GP3 (Fracture Density, % with Sulphides) — ANGLE TO AXIS < 30° / 30-60° / > 60°

ALTERATION ASSEMBLAGES — MODE OF OCCURRENCE / % (VOL.) OF MINERAL — QZ (QUARTZ), KF (K-SPAR), BI (BIOTITE), MS (SERICITE), CY (CLAY), CL (CHLORITE), EP (EPIDOTE), CB (CARBONATE), OTHER ALTERATION MINERALS (NAMES GIVEN ON NAMES CARD OR ON EACH CODE LINE) — MODE OF ALT. — % ALTERATION — FACES — ALTERATION INTENSITY

LIMONITES (CAP ONLY OR ABOVE DLI) — MOBILITY — GANGUE REACTIVITY — COLOUR CODE M N S L (OR LA, SO, HE, XX) — MODE OF OCCURRENCE — % MINERALIZATION — % FRACTURED

MINERALIZATION (BELOW CAP OR BELOW DLI) — OTHER MINERALS USE 2-LETTER CODES ON CODE LINES — MODE OF OCCURRENCE — % MINERALIZATION — % FRACTURED

MINERALIZATION — MODE OF OCCUR. / % (VOL.) OF MINERAL — NAMES OF RIGHT 4 MINERALS TO BE GIVEN ON NAMES CARD OR ON EACH CODE LINE. LEFT 4 AS SHOWN OR OVER-RIDDEN BY SPECIFYING ON NAMES CARD. — PY, CP, BO, MO, Ch

Sample	Estimates & Assays	Elements or Minerals	Depth to Bottom of Interval Described	Rock Type	Type Modifier	Colour Code	Qualifying	Mineral (%)	Texture	Grain Size	All Fracs	GP1	GP2	GP3	Alt. Mode of Occurrence / % (Vol.) of Mineral	Limonites	Mineralization
31880	.02 / <.001	Cu Mo	70	RHYL4		6		1B	3	2	1 1 2	1 2 2	1 2 2	5	QZ 5, MS 92	2 5 5 5	PY 2 2 6, CP 2 2, MO 80, Ch 80
31881	.02 / <.001		80	RHYL4		6		1B	4	2	1 1 2	2 2 2	1 2 2	5	MS 92	2 5 5 5	PY 2 2 6, CP 2 2
31882	.03 / <.001		90	RHYL4		6		1B	4	1	1 2 1	1 1 1	1 2 2	5	MS 92	2 5 5 5	2 1 6 2 1
31883	.03 / <.001		100	RHYL4		6		1B	4	2	1 2 2	1 2 1	2 2 2	5	MS 92	2 5 5 5	2 3 5 2 3, Ch 80
31884	.03 / <.001		110	RHYL4		6		1B	4	2	1 2 2	1 2 1	2 2 2	5	MS 92	2 5 5 5	2 3 5 2 3, Ch 80
31885	.04 / .002		120	RHYL4		6		1B	4	3	1 1 3	2 3 1	3 2 2	5	MS 92	2 5 5 5	2 3 5 2 3, Ch 80

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DRILL HOLE GEOLOGIC LOG

CW&G CHAPMAN, WOOD AND GRISWOLD LTD.

COMPANY: PROPERTY: LOGGED BY: DATE:

HOLE NUMBER 72-5

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C.W.&G. FORM 71-03 PIN BRANCH

DIP ____ AZIM. ____

TYPE OF HOLE: DDH / RDH / PDH

STRUCTURE AND/OR ALTERATION | ROCK TYPE | ZONE

NORTHING

EASTING

COLLAR ELEVATION

DEPTH TO BASE OF LIMONITES DLI=

ESTIMATES & ASSAYS

ELEMENTS OR MINERALS: Cu | Mo

PRINC. ZONES & CONTACTS FAULTS & DYKES

DEPTH TO BOTTOM OF INTERVAL DESCRIBED

ROCK TYPE — USE 4-LETTER CODE

TYPE MODIFIER

COLOUR CODE — M N S L OR NORMAL COLOUR OR COLOUR VALUE

QUALIFYING MINERAL(S)

TEXTURE

GRAIN SIZE

ALL FRACS. — Fracture Density, % with Sulphides, Fault Zone Width

GP1 (ANGLE TO AXIS < 30°) — Fracture Density, % with Sulphides

GP2 (30-60°) — Fracture Density, % with Sulphides

GP3 (> 60°) — Fracture Density, % with Sulphides

ALTERATION ASSEMBLAGES — MODE OF OCCURRENCE / % (VOL.) OF MINERAL: QZ (QUARTZ), KF (K-SPAR), BI (BIOTITE), MS (SERICITE), CY (CLAY), CL (CHLORITE), EP (EPIDOTE), CB (CARBONATE), OTHER ALTERATION MINERALS (NAMES GIVEN ON NAMES CARD OR ON EACH CODE LINE)

MODE OF ALT. | ALTERATION | GAS

LIMONITES (CAP ONLY OR ABOVE DLI): MOBILITY, GANGUE REACTIVITY, COLOUR CODE M N S L OR JA GO HE XX, MODE OF OCC., % VOL., % MINERALIZED

MINERALIZATION (BELOW CAP OR BELOW DLI): OTHER MINERALS — USE 2-LETTER CODES ON CODE LINES

MINERALIZATION — MODE OF OCCUR. / % (VOL.) OF MINERAL: NAMES OF RIGHT 4 MINERALS TO BE GIVEN ON NAMES CARD OR ON EACH CODE LINE, LEFT 4 AS SHOWN OR OVER-RIDDEN BY SPECIFYING ON NAMES CARD. PY, CP, BO, MO, CH

NOTE: FILL OUT HEADING INFORMATION ON FIRST PAGE ONLY EXCEPT FOR PAGE AND HOLE NUMBER

COMMENTS TO BE KEYPUNCHED AFTER REMARK — FOR COMMENTS WHICH WILL NOT BE KEYPUNCHED

NAMES →: C B B C B C B C B D D D D A A A A A A

Sample Number	Visual	Actual	Depth	Rock Type	Type Modifier	Colour Code	Qualifying Mineral	Texture	Grain Size	All Fracs.	GP1	GP2	GP3	Alteration	Limonites	Mineralization
31886		.04 / .002	130	RHYL	4	6		1B	3	1 1 1	1 1 1	1 1 1	2 5	92	2555	23423 80 80
31887		.03 / K.001	140	RHYL	4	6		1B	3	1 1 1	1 1 1	1 1 1	2 5	92	2555	23423 80 80
31888		.03 / <.001	150	RHYL	4	6		1B	4	2 2 2	1 2 2	2 1 2	2 5	92	2555	23323 80
31889		.09 / <.001	160	RHYL	4	6		1B	4	1 2 1	1 2 1	1 1 1	2 5	92	2555	23223 80
31890		.11 / <.001	170	RHYL	4	6		1B	2	1 1 1	1 1 1	1 0 1	2 5	92	2555	22122 80
31891		.08 / <.001	180	RHYL	4	6		1B	4	3 1 1	3 2 3	1 3 2	5	92	2555	23023 80

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DRILL HOLE GEOLOGIC LOG

CW BG — CHAPMAN, WOOD AND GRISWOLD LTD.

COMPANY: PROPERTY: LOGGED BY: DATE:

HOLE NUMBER 72-5

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C.W. & G. FORM 71-03 PH BLAN HE

DIP ____ AZIM. ____ CORE

TYPE OF HOLE: DDH / RDH / PDH

STRUCTURE AND/OR ALTERATION | ROCK TYPE | ZONE

NORTHING

EASTING

COLLAR ELEVATION

DEPTH TO BASE OF LIMONITES

DLI #

ESTIMATES & ASSAYS

ELEMENTS OR MINERALS: Cu | Mo

SCALES →

NAMES →

NOTE: FILL OUT HEADING INFORMATION ON FIRST PAGE ONLY EXCEPT FOR PAGE AND HOLE NUMBER

COMMENTS TO BE KEYPUNCHED AFTER REMARK — FOR COMMENTS WHICH WILL NOT BE KEYPUNCHED

Sample number	Visual estimates	Actual assays	Depth to bottom of interval described	Rock type (use 4-letter code)	Type modifier	Colour code (M N S L or C V)	Qualifying mineral(s)	Texture	Grain size	Fracture density	% with sulphides	Fault zone width	Fracture density	% with sulphides	Fracture density	% with sulphides	Quartz mode %	K-spar mode %	Biotite mode %	Sericite mode %	Chlorite mode %	Epidote mode %	Carbonate mode %	Other alteration minerals mode %	Mode %	Alteration	Fracture	Alteration intensity	Limonites: Mobility	Gangue reactivity	Colour code (M N S L or C V)	Mineralization: Mode %	Alteration	Fracture	Alteration intensity	Mineralization: PY mode %	CP mode %	BO mode %	MO mode %	Ch mode %
31892										C	B	B	C	B	C	B	C	B	D			D			D									D	D					A	A
		.20	.001	190	RHYL	4		6			1B	4	4	1	1	4	2	4	1	4	2	5			9	2							2	5	5	5			2	3	0	2	3			8	0
31893																																										
		.11	.001	200	RHYL	4		6			1B	4	4	1	1	4	1	4	2	4	2	5			9	2			8	0			2	5	5	5			2	3	0	2	3			8	0
31894																																										
		.09	.005	210	RHYL	4		6			1B	4	2	1	1	2	2	2	1	2	2	5			9	2							2	5	5	5			2	3	0	2	3			8	0
31895																																										
		.09	.002	220	RHYL	4		6			1B	1	3	2	0	N	O	N	1	3	2	5			9	2							2	5	5	5			2	3	0	2	3			8	0
31896																																										
		.15	.002	230	RHYL	4		6			1B	4	2	1	1	2	2	2	1	2	2	5			9	2			8	0			2	5	5	5			2	3	0	2	3			8	0
31897																																										
		.14	.001	240	RHYL	4		6			1B	4	2	1	1	2	2	2	1	2	2	5			9	2							2	5	5	5			2	3	0	2	3			8	1

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DRILL HOLE GEOLOGIC LOG

CW BG — CHAPMAN, WOOD AND GRISWOLD LTD.

COMPANY: PROPERTY: LOGGED BY: DATE:

HOLE NUMBER 72-5

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C.W.B.G. FORM 73-3 PH BLACK INK

DIP ____ AZIM. ____ CORE

TYPE OF HOLE: DDH / RDH / PDH

NORTHING / EASTING / COLLAR ELEVATION / DEPTH TO BASE OF LIMONITES / DLI =

ESTIMATES & ASSAYS — ELEMENTS OR MINERALS: Cu, Mo

NOTE: FILL OUT HEADING INFORMATION ON FIRST PAGE ONLY EXCEPT FOR PAGE AND HOLE NUMBER

STRUCTURE AND/OR ALTERATION | ROCK TYPE | ZONE

PRINC. ZONES & CONTACTS, FAULTS & DYKES

DEPTH TO BOTTOM OF INTERVAL DESCRIBED

ROCK TYPE — USE 4-LETTER CODE | TYPE MODIFIER | COLOUR CODE M N S L (NORMAL COLOUR OR VALUE) | QUALIFYING MINERAL(S) | TEXTURE | GRAIN SIZE

FRACTURES — ALL FRACS (Fracture Density, % with Sulphides, Fracture Intersection) | GP1 | GP2 | GP3 (ANGLE TO AXIS < 30°, 30-60°, > 60°; Fracture Density, % With Sulphides)

ALTERATION ASSEMBLAGES — MODE OF OCCURRENCE / % (VOL.) OF MINERAL: QZ QUARTZ, KF K-SPAR, BI BIOTITE, MS SERICITE, CY CLAY, CL CHLORITE, EP EPIDOTE, CB CARBONATE, OTHER ALTERATION MINERALS (NAMES GIVEN ON NAMES CARD OR ON EACH CODE LINE) | MODE OF ALT. | % ALTERATION | FACIES | ALTERATION INTENSITY

LIMONITES (CAP ONLY OR ABOVE DLI) — MOBILITY | GANGUE REACTIVITY | COLOUR CODE M N S L OR JA, BG, HE, XX | MODE OF OCCURRENCE | % OCCURRENCE

MINERALIZATION (BELOW CAP OR BELOW DLI) — OTHER MINERALS USE 2-LETTER CODES ON CODE LINES | % OCCURRENCE | MODE OF OCCURRENCE | ALTERATION

MINERALIZATION — MODE OF OCCUR. / % (VOL.) OF MINERAL: NAMES OF RIGHT 4 MINERALS TO BE GIVEN ON NAMES CARD OR ON EACH CODE LINE. LEFT 4 AS SHOWN OR OVER-RIDDEN BY SPECIFYING ON NAMES CARD. PY, CP, BO, MO, ch, M, M, M, M

SCALES → / NAMES →

COMMENTS TO BE KEYPUNCHED AFTER REMARK — FOR COMMENTS WHICH WILL NOT BE KEYPUNCHED

Sample number	Visual estimates	Actual assays	Depth to bottom of interval described	Rock type	Type modifier	Colour code	Qualifying mineral(s)	Texture	Grain size	All fracs	GP1	GP2	GP3	Mode of occurrence / % (vol.) of mineral	Mode of alt.	% alteration	Facies	Alteration intensity	Limonites	Mineralization
31898		.11 .001	250	RHYL	4	6		1B	432	13 23 13				25 92		2555			23	023 80
31899		.20 .001	260	RHYL	4	6		1B	442	14 14 24				25 92 80		2555			23	023 81
31900		.13 .001	270	RHYL	4	6		1B	472	17 27 17				25 92		2555			23	023 80
31951		.26 .001	280	RHYL	4	6		1B	471	17 17 27				25 92		2555			24	024 80
31952		.20 .001	290	RHYL	4	6		1B	471	27 17 17				25 92		2555			23	023 80
31953		.14 .001	300	RHYL	4	6		1B	471	17 17 27				25 92 80		2555			23	023 80

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DRILL HOLE GEOLOGIC LOG

CW BG — CHAPMAN, WOOD AND GRISWOLD LTD.

COMPANY: PROPERTY: LOGGED BY: DATE:

HOLE NUMBER 72-5

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C.W. B.G. FORM 71-3 P.H. BLANCHET

DIP AZIM.

TYPE OF HOLE: DDH / RDH / PDH

CORE

STRUCTURE AND/OR ALTERATION | ROCK TYPE | ZONE

NORTHING

EASTING

COLLAR ELEVATION

DEPTH TO BASE OF LIMONITES

DLI =

ESTIMATES & ASSAYS — ELEMENTS OR MINERALS: Cu Mo

PRINC. ZONES & CONTACTS FAULTS & DYKES

DEPTH TO BOTTOM OF INTERVAL DESCRIBED

ROCK TYPE — USE 4-LETTER CODE; TYPE MODIFIER; COLOUR CODE M N S L (NORMAL COLOUR OR VALUE); QUALIFYING MINERAL(S); TEXTURE; GRAIN SIZE

FRACTURES — ALL FRACS (Fracture Density, % Sulphides); GP1, GP2, GP3 (ANGLE TO AXIS < 30°, 30-60°, > 60°; Fracture Density, % Sulphides, Fracture Density, % With Sulphides)

ALTERATION ASSEMBLAGES — MODE OF OCCURRENCE / % (VOL.) OF MINERAL: QZ QUARTZ, KF K-SPAR, BI BIOTITE, MS SERICITE, CY CLAY, CL CHLORITE, EP EPIDOTE, CB CARBONATE, OTHER ALTERATION MINERALS (NAMES GIVEN ON NAMES CARD OR ON EACH CODE LINE); MODE OF ALT., ALTERATION, FACIES, ALTERATION INTENSITY

LIMONITES (CAP ONLY OR ABOVE DLI): MOBILITY, GANGUE REACTIVITY, COLOUR CODE M N S L OR JA, CO, HE, XX, MODE OF OCC., % SULPHIDES, % MINERALS

MINERALIZATION (BELOW CAP OR BELOW DLI): OTHER MINERALS — USE 2-LETTER CODES ON CODE LINES; MODE OF OCC., % SULPHIDES, % MINERALS

MINERALIZATION — MODE OF OCCUR. / % (VOL.) OF MINERAL: NAMES OF RIGHT 4 MINERALS TO BE GIVEN ON NAMES CARD OR ON EACH CODE LINE. LEFT 4 AS SHOWN OR OVERRIDDEN BY SPECIFYING ON NAMES CARD. PY, CP, BO, MO, Ch, MODE / %

SCALES → NAMES →

NOTE: FILL OUT HEADING INFORMATION ON FIRST PAGE ONLY EXCEPT FOR PAGE AND HOLE NUMBER

COMMENTS TO BE KEYPUNCHED AFTER REMARK — FOR COMMENTS WHICH WILL NOT BE KEYPUNCHED

Sample Number	Visual	Actual	Assays	Depth to Bottom	Rock Type	Type Modifier	Colour Code	Qualifying Minerals	Texture	Grain Size	All Fracs	GP1	GP2	GP3	QZ	KF	BI	MS	CY	CL	EP	CB	Mode of Alt.	Alteration	Facies	Alteration Intensity	Sulphides	Minerals	PY	CP	BO	MO	Ch
31954		.13	.001	310	RHYL	4	6		1B	4	52	15	25	15	25			92		80				2555			23	0	23			80
31955		.13	.001	320	RHYL	4	6		1B	4	61	16	26	16	25			92		80				2555			24	0	24			80
31956		.09	.001	330	RHYL	4	6		1B	3	43	14	14	14	25			92						2555			23	0	23			80
31957		.08	.001	340	RHYL	4	6		1B	3	33	13	13	13	25			92						2555			22	0	22			80

335.5' - 338' : Dyke?