

6069

1976 DRILLING REPORT <sup>#6069</sup>

KEMESS PROPERTY  
Omineca Mining Division - B. C.

Nov. 8, 1976

G. R. Foye

NEW KEMESS

94 E/2W

MINERAL RESOURCES BRANCH

ASSESSMENT REPORT

No. 6069

1976 ASSESSMENT DRILLING REPORT

KEMESS PROPERTY

This report covers the portion of 1976 diamond drilling on the Kemess property that is being used for assessment. The Kemess property consists of the new Kemess #1 and #2 claim blocks totalling 38 units. Refer to the accompanying index map for the location of these claims.

Survey and technical data for the holes is included in the logs which are enclosed with this report. Drill hole locations are plotted on the map in the pocket. Most of the core logging was done by R.M. Cann who obtained a B.Sc. degree in geology in 1976. Mr. Cann also worked on the Kemess property in 1975. Portions of the logging were also done by G.D. Delane (senior geologist with Getty Mines Limited) and G.R. Foye (exploration geologist with Getty Mines Limited).

D.W. Coates Enterprises Ltd. carried out the diamond drilling for Getty Mining Pacific, Limited. The contractors' invoice for the portion of drilling submitted for credit is included in this report.

The core is stacked on the property approximately 600 feet S 38° E of hole K-76-6.

November 8, 1976

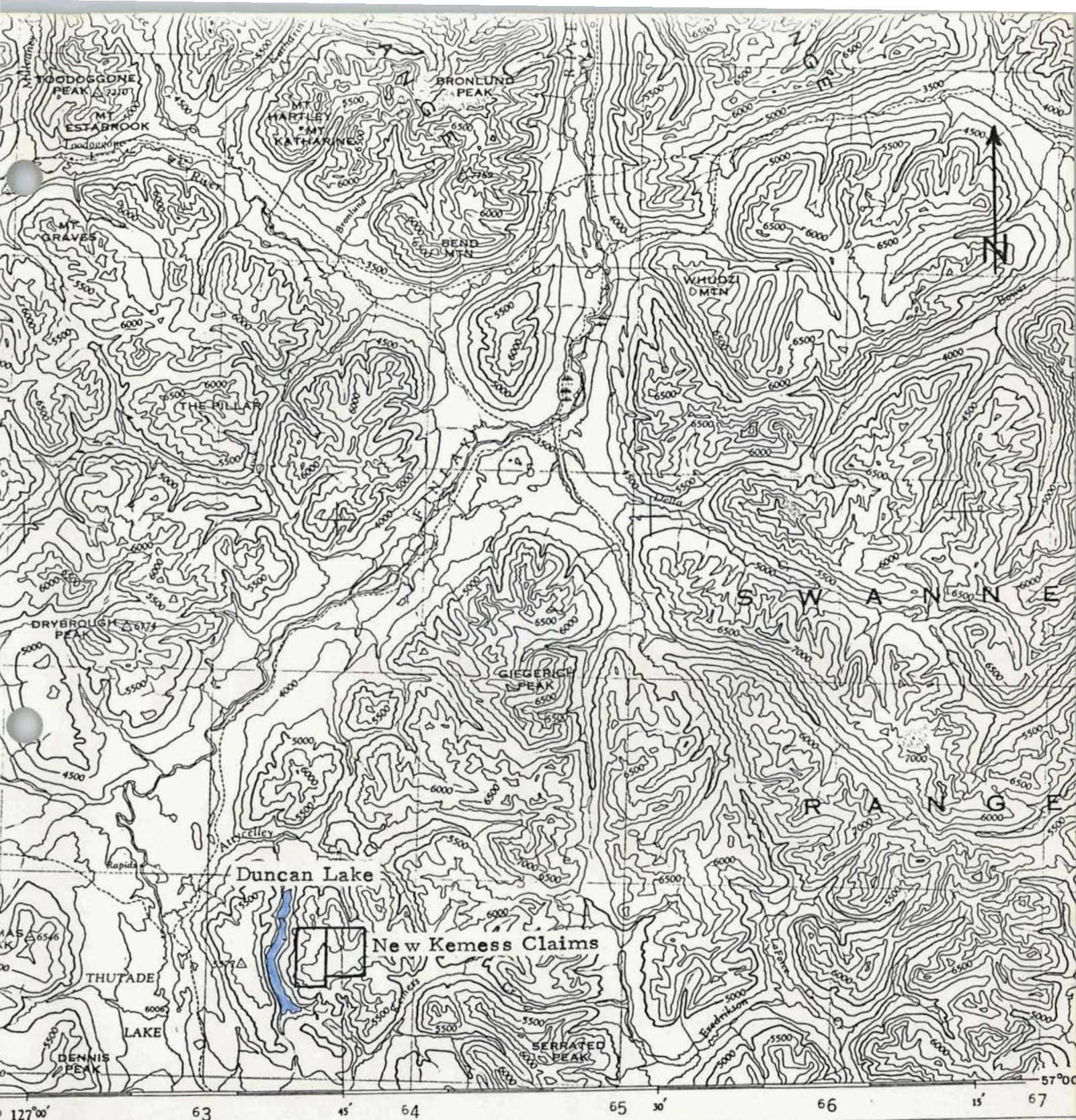
*Gary Foye*

Gary Foye  
Geologist

MAP #1

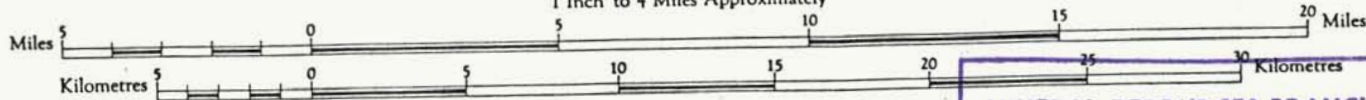
DRILL HOLE PLAN





Scale 1 : 250,000

1 Inch to 4 Miles Approximately



MINERAL RESOURCES BRANCH

ASSESSMENT REPORT

6069

SHEET 94 E

FIRST EDITION

TOODOGGONE RIVER

BRITISH COLUMBIA



INVOICE

J.W. COATES ENTERPRISES (I.)

256A SIMPSON ROAD  
RICHMOND, B.C.  
V6X 2P9

INVOICE NO.: 1030

JOB NO.: 274

DATE: Aug 30/76

Getty Mines Ltd.  
510 W. Hastings St. Suite 622  
Vancouver, B. C. V6B 1L8

RE: Kemess Area Drilling

PERIOD: August 1 - 15, 1976

Drilling Detail	\$19,605.00
Reaming Casing	1,441.50
Mobilization	595.00
Moving, Setting Up & Tearing Down	3,738.00
Water Supply	61.60
Mixing Mud	3,736.90
Other Charges	3,049.50
Board Charges	964.60
	<u>\$33,192.10</u>

GETTY MINES, LIMITED

#8701

Invoice approved for payment:

Charge expense element:.....

ACT

IC-1-3-811-322-10-4200-7284

Charge Project:.....

*Kemess*

Drilling Detail

Hole#	Size	From	To	Footage	Rate	Amount
76-1	NQ casing	0	12	12 ✓	\$15.00 ✓	\$ 180.00
76-1	NQ drilling	12	378	366 ✓	15.50 ✓	5673.00
76-2	NQ at burden	0	25 ✓	25 ✓	15.00 ✓	375.00
76-2	NQ	25	32 ✓	7 ✓	17.50 ✓	122.50
76-2	NQ	32	388 ✓	356 ✓	15.50 ✓	5518.00
76-6	NQ	0	25	25 ✓	15.00 ✓	375.00
76-6	NQ	25	40	15 ✓	17.50 ✓	262.50
76-6	NQ	40	498 ✓	458 ✓	15.50 ✓	7099.00
				<u>1264</u>		<u>19,605.00</u>

Reaming Casing & Casing left in Holes

(a) Labour & Equipment

Date	Hole#	Memo	ManHrs.	Equip.
Aug 2N	76-1	Ream casing 12' - 36' ✓	✓ 20	10 ✓
Aug 3D	76-1	Ream casing 36' - 50' ✓	12 ✓	6 ✓
Aug 15D	76-6	Ream casing 40' - 44' ✓	✓ 2	1 ✓
			<u>✓ 34</u>	<u>17 ✓</u>

Labour: ✓ 34 hrs. @ ✓ \$14.00/hr. \$476.00 ✓  
 Equipment: ✓ 17 hrs. @ 11.00/hr. 187.00 ✓  
 \$663.00 ✓  
 Plus 10% 66.30 / J \$729.30

(b) Materials

<u>Date</u>	<u>Hole#</u>	<u>Item</u>	<u>Amount</u>
Aug 2N	76-1	1 NW Imp. Casing shoe	\$198.97 ✓
Aug 3D	76-1	1 NW Econo shoe	103.79 ✓
Aug 9D	76-2	6 2' length H.W. casing@34.29	205.74 ✓
Aug 9D	76-2	1 HW Econo shoe	160.50 ✓
			<u>669.00</u> ✓
		Freight: 120# @ \$8.00/cwt.	9.60 ✓
			<u>678.60</u>
		Plus Casing Usage: 42 ft. @ .80/foot ✓	33.60 \$712.20 ✓
			<u><u>\$1441.50</u></u> ✓

Mobilization

Labour

<u>Date</u>	<u>Memo</u>	<u>ManHrs.</u>
Aug 1D	finish setting up camp	40 ✓
Aug 2N	Finish setup	2½ ✓
		<u>42½</u> ✓
	Labour: 42½ hrs. @ \$14.00/hr. ✓	\$595.00 ✓
		<u><u>\$595.00</u></u> ✓

Moving, Setting Up & Tearing Down

Labour

<u>Date</u>	<u>Memo</u>	<u>ManHrs.</u>
Aug 4N	Teardown on Hole# 1	12 ✓
Aug 5D	Move & setup on Hole# 2	40 ✓
Aug 6D	Move & setup on Hole# 2	32 ✓
Aug 9D	Teardown & start camp move	40 ✓
Aug 10D	Move & setup camp	55 ✓
Aug 11D	Move & setup camp	40 ✓
Aug 12D	Move & setup drill	40 ✓
Aug 14D	Resetting drill	8 ✓
		267

Labour: 267 hours @ \$14.00/hr.

\$3738.00

Water Supply

Labour

<u>Date</u>	<u>Hole#</u>	<u>Memo</u>	<u>ManHrs.</u>
Aug 2D	76-1 ✓	Maintain waterline	1/2 ✓
Aug 2N	76-1	" "	1/2 ✓
Aug 3D	76-1	" "	1/2 ✓
Aug 3N	76-1	" "	1/2 ✓
Aug 4D	76-1	" "	1/2 ✓
Aug 7D	76-2	" "	1/2 ✓
Aug 8D	76-2	" "	1 ✓
			4

Labour: 4 hrs. @ \$14.00/hr.

\$56.00

Plus 10%

5.60

\$61.60

Mixing Mud

(a) Labour

Date	Hole#	Memo	ManHrs.
Aug 2D	76-1	Mix Mud	2 ✓
Aug 3D	76-1	" "	1/2 ✓
Aug 3N	76-1	" "	1 ✓
Aug 4D	76-1	" "	1/2 ✓
Aug 7D	76-2	" "	1/2 ✓
Aug 7N	76-2	" "	1/2 ✓
Aug 13D	76-6	" "	2 1/2 ✓
Aug 13N	76-6	" "	1 1/2 ✓
Aug 14D	76-6	" "	2 ✓
Aug 14N	76-6	" "	2 ✓
Aug 15D	76-6	" "	1 ✓
			<hr/> 14 ✓

Labour: 14 hours @ \$14.00/hr.  
 Plus 10%

\$196.00 ✓  
 19.60 ✓      \$215.60 ✓  


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(b) Materials

200 Bags Quik Gel @ \$4.65/bag      \$930.00  
 200 Bags Quik Trol@ 6.50/bag      1300.00  


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 2230.00  
 Freight: 10,400 lbs.@8.00/cwt.      832.00  


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 3062.00  
 Plus 15%      459.30  


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\$3521.30  


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 \$3736.90  


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Other Charges

1 only Bean Royal 420 Pump  
c/w Petter P.H. 1 Engine ✓

\$3049.50

Dropped by Helicopter Aug. 9, 1976

Board Charges

182 meals @ \$5.30/meal

✓ \$ 964.60



Drilling Detail

<u>Hole#</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate</u>	<u>Amount</u>
76-6	NQ	498	500	2	\$15.50	\$ 31.00
76-6	NQ	500	708	208	16.20	3369.60
76-5	NQ	0	25	25	15.00	375.00
76-5	NQ	25	26	1	17.50	17.50
76-5	NQ	26	500	474	15.50	7347.00
76-5	NQ	500	690	190	16.20	3078.00
76-3	NQ	0	25	25	15.00	375.00
76-3	NQ	25	26	1	17.50	17.50
76-3	NQ	26	500	474	15.50	7347.00
76-3	NQ	500	808	308	16.20	4989.60
				<u>1708'</u>		<u>\$26,947.20</u>

Acid Testing

Hole# 76-6	Test @ 700' @ (3 x 16.20)	\$48.60	
Hole# 76-5	Test @ 670' @ (3 x 16.20)	\$48.60	
Hole# 76-3	Test @ 768' @ (3 x 16.20)	\$48.60	\$ 145.80

Reaming Casing & Drilling Fault

(a) Labour & Equipment

Date	Hole#	Memo	ManHrs.	Equipment
Aug 24D	76-3	Ream casing 26' - 30'	2	1
Aug 26N	76-3	Reaming shell to bottom	5	2½
			<u>7</u>	<u>3½</u>

Labour:	7 hours @ \$14.00/hr.	\$98.00	
Equipment:	3½ hours @ 11.00/hr.	38.50	
		<u>136.50</u>	
	Plus 10%	13.65	\$150.15

(b) Materials

Date	Hole#	Item	Amount	
Aug 19D	76-5	1 NQ 100 <sup>S</sup> Core bits #2961	\$430.00	
Aug 19D	76-5	1 NQ reaming shell #10634	282.85	
Aug 19N	76-5	1 NQ 100 <sup>S</sup> Core bit #2966	430.00	
Aug 20D	76-5	1 NQ 100 <sup>S</sup> Core bit #2971	430.00	
Aug 20D	76-5	1 NQ 100 <sup>S</sup> Core bit #2973	430.00	
Aug 20N	76-5	1 NQ 100 <sup>S</sup> Core bit #8545	430.00	
Aug 24D	76-3	1 NW Econo shoe	103.79	
Aug 24N	76-3	1 NQ 100 <sup>S</sup> Core bit #8550	430.00	
Aug 26D	76-3	1 NW Econo shoe	103.79	
Aug 26D	76-3	1 10' NQ outer core barrel	74.05	
			<u>3144.48</u>	
		Plus 15%	471.67	
		Plus error on Inv.#1030	101.79	
		(15% x \$678.60)	<u>\$3717.94</u>	
		Plus Casing Usage: 4' @ .80/foot	3.20	\$3721.14
				<u>\$3871.29</u>

Moving Setting Up & Tearing Down

Labour & Equipment

<u>Date</u>	<u>Memo</u>	<u>ManHrs.</u>
Aug 16N	Start teardown on Hole #6	4
Aug 17D	Teardown & move to Hole #5	40
Aug 18D	Teardown & move to Hole #5	42
Aug 19Dc	Clean up setup	4
Aug 22D	Teardown & move to Hole #3	36
Aug 23D	" " " " " "	40
Aug 24D	Finish setup on Hole #3	12
Aug 28D	Teardown on Hole #3	8
Aug 29D	" " " "	24
Aug 31D	Moved & setup on next Hole	16
		<u>226</u>

Labour: 226 hrs. @ \$14.00/hr.

\$3164.00

Standby Time

Labour & Equipment

<u>Date</u>	<u>Memo</u>	<u>ManHrs.</u>	<u>Equipment</u>
Aug 30D	Wait to move - weather out	24	1 day
Aug 31D	" " " " "	18	1/2 day
		<u>42</u>	<u>1 1/2 days</u>

Labour: 42 hrs. @ \$13.00/hr. \$546.00  
 Equipment: 1 1/2 days @ 50.00/day 75.00

\$621.00



Cementing

(a) Labour & Equipment

<u>Date</u>	<u>Hole#</u>	<u>Memo</u>	<u>ManHrs.</u>	<u>Equip.</u>
Aug 25D	76-3	Cement Hole	6	3
Aug 25D	76-3	Wait for cement to set	12	6
Aug 25N	76-3	Drill out cement	8	4
			<u>26</u>	<u>13</u>

Labour:	14 hours @ \$14.00/hr.	\$196.00
Labour:	12 hours @ 13.00/hr.	156.00
Equipment:	7 hours @ 11.00/hr.	77.00
Equipment:	6 hours @ 5.00/hr.	30.00
		<u>459.00</u>

Plus 10% x \$273.00

27.30

\$486.30

(b) Materials

2 Bags Cal Seal Cement @ \$15.00/bag	\$ 30.00
1 NQ 100 <sup>S</sup> Core Bit #8541	430.00
	<u>460.00</u>

Plus Freight 160# @ \$8.00/cwt.

12.80

472.80

Plus 15%

70.92

\$543.72

\$1030.02

Materials Left in Holes

Date	Hole#	Item	Amount
Aug 16N	76-6	4 10' length NW casing @68.65	\$274.60
Aug 16N	76-6	2 2' length NW casing @ 22.70	45.40
Aug 16N	76-6	1 NW Imp. casing shoe	198.97
Aug 22D	76-5	2 10' length NW casing @68.65	137.30
Aug 22D	76-5	1 5' legnth NW casing @ 39.35	39.35
Aug 22D	76-5	1 2' length NW casing @ 22.70	22.70
Aug 22D	76-5	1 NW Econo shoe	160.50
Aug 29D	76-3	16 2' length NW casing @22.70	363.20
		1 NW Econo shoe	160.50
			<u>1402.52</u>
		Plus Freight: 900# @ \$8.00/cwt.	72.00
			<u>1474.52</u>
		Plus 15%	221.18
			<u><u>\$1695.70</u></u>

Mixing Mud

(a) Labour

Date	Hole#	Memo	ManHrs.
Aug 19	76-5	Mix Mud	4
Aug 20	76-5	" "	4
Aug 21	76-5	" "	2
Aug 24	76-3	" "	3
Aug 25	76-3	" "	2
Aug 26	76-3	" "	4
Aug 27	76-3	" "	4½
Aug 28	76-3	" "	2
Aug 29	76-3	" "	1
			<u>26½ hr.</u>

Labour: 26½ hrs. @ \$14.00/hr.

\$371.00

(b) Material

<u>Date</u>	<u>Item</u>	<u>Amount</u>	
Aug 29D	270 Gallons Diesel Fuel .582	\$157.14	
	Plus 15%	23.57	\$180.71
			<u>\$551.71</u>

Core Boxes

32 NQ core boxes @ \$5.00/box	\$160.00
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Board & Room

144 meals @ \$5.30/meal	\$763.20
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Other Charges

135 gals. heating (oil used in camp) @ .552	\$ 74.52	
Pacific Western Airlines 227-00480561	89.35	
Oultons Plumbing & Heating Ltd.	213.69	
Trans Provincial Airlines Ltd. #42495	385.00	\$762.56

## DRILL HOLE LOG

6069

Property..... KEMESS  
Location..... Omineca Mining Division - B. C.

Grid... Using Kennco DDH KX-2 as origin  
Latitude... 5 + 60 N  
Departure... 4 + 60W

Core Size..... NQ  
Elev. Collar... 5,505'  
Bearing.....  
Dip..... 0  
Length..... 90  
Horiz. Trace... 708'  
Vert. Trace.....

Starting Date.... Aug. 13, 1976  
Completion Date.. Aug. 17, 1976

Date Logged.....  
Logged by..... R. Cann  
*R.M. Cann*

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH.	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
0	40'	Casing	4075	40	50		.101)	.004	.09	.009
			4076	50	60		.108)			
40'	268'	HIGHLY ALTERED ANDESITE PORPHYRY	4077	60	70		.096)	.008	.10	.004
		consists predominantly of sericite, quartz, chlorite and a pale yellow mineral (to 68') - possibly a clay.	4078	70	80		.125)			
		Rock has black specks of possibly secondary biotite.	4079	80	90		.110)	.006	.10	.012
		Plagioclase phenocrysts, trachytic to unoriented, approximately $\frac{1}{2}$ " long are locally distinct - e.g. at 45' - 58'.	4080	90	100		.135)			
		Rock is extremely friable and crumbles to gravel at slightest pressure.	4081	100	110		.113)	.007	.10	.006
		Increasing mafic content with depth.	4082	110	120		.108)			
		FeO is common on fractures.	4083	120	130		.098)	.005	.08	.007
		Pyrite occurs mainly as a fine crystalline fracture filling with lesser amounts as disseminations.	4084	130	140		.125)			
		Pyrite content probably $\geq$ 5%. Pyrite locally tarnished.	4085	140	150		.108)	.008	.09	.007
		crystalline pyrite in veinlets locally has an iridescent to dark grey (Cu?) coating - e.g. 92.3', 107', 109'	4086	150	160		.076)			
		Pyrite veinlets up to 0.2" thick	4087	160	170		.115)	.005	.10	.010
		One or two specks of moly noted with pyrite on fractures.	4088	170	180		.078)			
		Large amount of sulphides probably washed away during drilling because of the crumbly nature of the rock.	4089	180	190		.070)	.003	.08	.007
		Rock non-magnetic.	4090	190	200		.062)			
		No FeO staining below 110'	4091	200	210		.073)	.003	.09	.006
		At 118' a slip surface at 30°	4092	210	220		.088)			
		136' - a speck of moly	4093	220	230		.107)	.004	.09	.006
		Fractures at random angles.	4094	230	240		.062)			
			4095	240	250		.064)	.004	.09	.006
			4096	250	260		.075)			
			4097	260	270		.092)	.007	.10	.008
			4098	270	280		.115)			
			4099	280	290		.143)	.007	.08	.005
			4100	290	300		.032)			

6069

5 pages

## GETTY MINES, LIMITED

Hole Number

K-76-6

## DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
		After 160' chlorite and sericite lined fractures parallel to the axis are common.	4101	300	310		.079)	.012	.09	.013
			4102	310	320		.119)			
		Talc (pale green, soapy) common in fractures after 160'	4103	320	330		.085)	.008	.08	.006
		160' - 220' pyrite content about 5%	4104	330	340		.102)			
		Blebs of chalcopyrite and bornite at 256'	4105	340	350		.098)	.006	.09	.005
			4106	350	360		.060)			
268'	576'	ALTERED ANDESITE	4107	360	370		.058)	.004	.09	.008
		Competent, chlorite and biotite mottled rock.	4108	370	380		.063)			
		Fairly soft with H. = 4.	4109	380	390		.073)	.006	.05	.003
		Sharp contact with friable rock above.	4110	390	400		.047)			
		Gypsum (or anhydrite) veins common up to 3/4" thick at angles from 30° - 80°	4111	400	410		.055)	.006	.11	.004
			4112	410	420		.052)			
		Minor 1/4" quartz veins at an angle of about 40°	4113	420	430		.063)	.008	.10	.004
		Pyrite occurs disseminated throughout and as stringers in gypsum. Pyrite content about 3%.	4114	430	440		.078)			
			4115	440	450		.050)	.010	.11	.008
		Chalcopyrite occurs as 1/4" blebs in gypsum and as fine grains intermixed with pyrite in gypsum	4116	450	460		.038)			
			4117	460	470		.078)	.008	.13	.003
		Pyrite contains minor intermixed magnetite.	4118	470	480		.064)			
		281' - gouge at 30°	4119	480	490		.073)	.007	.07	.004
		Common fracture angle at 60°.	4120	490	500		.064)			
		288' - 297' pink zeolite flooding associated with zeolite veinlets up to 1/2" thick at angles of 30° or less.	4121	500	510		.073)	.006	.09	.002
			4122	510	520		.032)			
		290'-297' fine grained porphyritic rock - possibly a crystal tuff with euhedral to anhedral plagioclase phenocrysts up to 0.1" long in a dark, fine grained matrix. Unmineralized.	4123	520	530		.037)	.004	.08	.004
			4124	530	540		.068)			
			4125	540	550		.062)	.005	.12	.008
		298': 71" gypsum vein parallel to the axis	4126	550	560		.080)			
		At 305.5' a veinlet of moly parallel to a pyrite-gypsum vein at 45°	4127	560	570		.065)	.004	.13	.002
			4128	570	580		.063)			
		Purple tinge to rock at 335' and 339' - probably fluorite	4129	580	590		.011)	.002	.03	.001
		Gypsum less abundant after 300' but still occurs in fractures	4130	590	600		.008)			
		341.5' - slip surface at 60°	4131	600	610		.009)	.002	.07	.001
		Chalcopyrite still occurring as fine grains with pyrite	4132	610	620		.021)			
		At 361' streaks of a bright red mineral in gypsum.	4133	620	630		.065)	.005	.08	.001
			4134	630	640		.062)			









DRILL HOLE LOG

Property... KEMESS  
 Location... Omineca Mining Division, B. C.  
 Grid... Using Kennco DDH KX-2 as Origin  
 Latitude... 0 + 40 S  
 Departure... 4 + 40 W

Core Size... NO  
 Elev. Collar... 5,560'  
 Bearing...  
 Dip... 90°  
 Length... 690'  
 Horiz. Trace...  
 Vert. Trace...

Starting Date... Aug. 19, 1976  
 Completion Date... Aug. 22, 1976  
 Date Logged...  
 Logged by... R. Cann

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH.	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
0	26'	OVERBURDEN - Casing	4142	26	30		.021	.004	.05	.010
			4143	30	40		.026			
26'	208'	PORPHYRITIC ANDESITE	4144	40	50		.030	.005	.06	.014
		Plagioclase laths up to 0.5" long, generally unoriented, in a dark grey matrix	4145	50	60		.072			
		Rock is hard but well fractured.	4146	60	70		.280	.007	.09	.015
		26-58' Fractures are filled with FeO - all or most of the pyrite is oxidized.	4147	70	80		.449			
		Rock is locally bleached - e.g. 46' - 48'	4148	80	90		.543	.006	.13	.017
		Pyrite is oxidized.	4149	90	100		.302			
		Rock is locally bleached - e.g. 46' - 48'	4150	100	110		.201	.003	.11	.012
		Plagioclase laths mainly altered to sericite.	4151	110	120		.135			
		47.6' - 1/4" FeO stained magnetite vein at 45°	4152	120	130		.248	.004	.09	.015
		58' - 62' no core	4153	130	140		.212			
		After 60' pyrite occurs predominantly as fracture fillings in andesite and in quartz veins. Pyrite content about 3-4 %	4154	140	150		.183	.003	.08	.015
		Pink zeolite common after about 90'	4155	150	160					
		12'-bornite specks in pyrite veinlet	4156	160	170		.322	.007	.10	.016
		80' - a pyrite veinlet is accompanied by specks of chalcopyrite and bornite or covellite.	4157	170	180		.298	.004	.04	.008
		84' - speck of moly?	4158	180	190		.195			
		Pyrite veinlets are predominantly sub-parallel to the core axis.	4159	190	200		.205	.004	.08	.011
		108' - quartz-pyrite-biotite? veinlet at 30°	4160	200	210		.361			
		Rock is moderately magnetic with magnetite grains locally in pyrite veinlets.	4161	210	220		.232	.005	.06	.009
		Fractures are generally at 80°-90° to the core axis	4162	220	230		.266			
		Up to 158' the rock is hard but well fractured. From 158' to 180' the rock is mainly gouge - core possibly	4163	230	240		.261	.006	.12	.016
			4164	240	250		.478			
			4165	250	260		.400	.005	.12	.015
			4166	260	270		.215			
			4167	270	280		.250	.005	.08	.010
			4168	280	290		.247			

6069

4 pages

## GETTY MINES, LIMITED

Hole Number

K-76-5

## DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
		following a vertical shear zone containing quartz-zedite-	4169	290	310		.289	.005	.05	.014
		K-spar and pyrite	4198	310	320		.343	.005	.11	.023
		From 180' to 198' the core is mainly gravel size pieces	4170	320	330		.180)	.003	.09	.014
		with short sections of gouge.	4171	330	340		.152)			
		158' - 160' pyrite as a veinlet with drusy quartz bordering a	4172	340	350		.110)	.003	.11	.014
		shear zone.	4173	350	360		.142)			
			4174	360	370		.130)	.003	.10	.014
208'	426'	FINE GRAINED ANDESITE	4175	370	380		.074)			
		Fine grained, dark grey andesite, locally porphyritic - e.g. 284'	4176	380	390		.142)	.002	.09	.017
		core is still gravel size pieces or smaller.	4177	390	400		.150)			
		occasional < 1" quartz veinlets at 45°	4178	400	410		.162)	.004	.09	.016
		The rock has a fine grained granular texture - possibly a crystal tuff.	4179	410	420		.148)			
		Zeolites occur locally as fracture fillings.	4180	420	430		.214)	.004	.14	.018
		228' - 234' No core.	4181	430	440		.173)			
		Chalcopyrite occurs in minor amounts as minute disseminated	4182	440	450		.128	.003	.11	.015
		specks.	4183	450	460		.161)	.007	.10	.010
		Pyrite occurs predominantly as fracture fillings.	4184	460	470		.170)			
		Fractures commonly at 40° - 60°	4185	470	480		.218	.004	.13	.011
		core non-magnetic.	4186	480	490		.265)	.004	.16	.020
		247' - chalcopyrite blebs in a quartz vein. A dark blue metallic	4187	490	500		.218)			
		tarnish on pyrite.	4188	500	510		.263	.005	.15	.020
		288' - 298' No core.	4189	510	520		.180)	.004	.11	.007
		300' - speck of bornite with loose pyrite in gravel.	4190	520	530		.105)			
		357' - speck of bornite with disseminated pyrite	4191	530	540		.223)	.007	.10	.008
		398' - 401' soft rock, chloritic alteration.	4192	540	550		.171)			
		Core becomes competent at 400' with a rapid increase in	4193	550	560		.228)	.005	.09	.007
		recovery.	4194	560	570		.105)			
			4195	570	580		.283)	.004	.12	.021
426'	690'	AUGITE PORPHYRY ANDESITE	4196	580	590		.232)			
		Gradational contact.	4197	590	600		.189)	.008	.11	.019
		stubby, euhedral augite phenocrysts.	4199	600	610		.243)			
		Anhydrite veining common up to 0.2" thick at variable angles	4200	610	620		.162)	.005	.13	.015
		Minor gypsum veining parallel to the core axis.	4201	620	630		.146)			







**6069**

DRILL HOLE LOG

Property..... KEMESS  
 Location.. Omineca Mining Division - B.C.  
 Grid. Using Kennco DDH KX-2 as Origin...  
 Latitude... 0+38S  
 Departure.. 3+78E

Core Size. 26'-808', N.Q., 808'-1048', B.Q.  
 Elev. Collar..... 5505'  
 Bearing.....  
 Dip..... 90°  
 Length..... 1048'  
 Horiz. Trace.....  
 Vert. Trace.....

Starting Date..... Aug. 24, 1976  
 Completion Date..... Sept. 3, 1976  
 Date Logged.....  
 Logged by... R. Cann and G. Foye  
*R.M. Cann G. Foye*

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH.	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
0	26'	OVERBURDEN - Casing	4208	26	30		.048	.010	.13	.025
26'	35'	ANDESITE	4209	30	40		.115			
		Pervasive FeO staining throughout the interval.	4210	40	50		.290	.006	.10	.017
		All fractures are filled with goethite	4211	50	60		.286			
		Core is locally brecciated and cemented with goethite (e.g. 28.5')	4212	60	70		.425	.013	.13	.016
		Minor goethite lined boxwork	4213	70	80		.145			
		29.5' - 0.1" quartz vein.	4214	80	90		.122	.007	.11	.013
		Pyrite in veinlets is altered to FeO. Minor pyrite still as blebs	4215	90	100		.245			
		to 1/2" across.	4216	100	110		.250	.015	.12	.015
		34' - 1/2" gouge at 40°	4217	110	120		.265			
			4218	120	130		.120	.010	.10	.013
			4219	130	140		.145			
35'	50'	ALTERED ANDESITE	4220	140	150		.110	.006	.12	.013
		Massive, dark grey-green, chloritic andesite	4221	150	160		.065			
		Core very badly broken - mainly gravel	4222	160	170		.113	.005	.13	.019
		44' - 0.2" quartz vein at 35°	4223	170	180		.294			
		FeO staining very minor	4224	180	190		.182	.004	.12	.013
		Locally a soft orange-brown mineral occurs on fractures (gypsum?)	4225	190	200		.105			
		e.g. 37.5'	4226	200	210		.120	.007	.12	.012
		Pyrite occurs as fine disseminations and fracture fillings varying	4227	210	220		.125			
		from micro veinlets to 0.1"	4228	220	230		.212	.006	.13	.013
		Pyrite locally accompanied by a dark blue mineral - e.g. 44', 48'.	4229	230	240		.278			
		Fine specks of chalcopyrite at 48'	4230	240	250		.150	.011	.08	.011
			4231	250	260		.220			
50'	140'	BLEACHED AND ALTERED PORPHYRY	4232	260	270		.195	.009	.10	.016
		Crowded porphyry with euhedral to subhedral sericitized	4233	270	280		.170			

**6069**

- 8 pages

## GETTY MINES, LIMITED

Hole Number

K-76-3

## DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
		plagioclase (?) phenocrysts up to 0.1" long in a light grey matrix.	4234	280	290		.130	.006	.11	.009
		Needle like hornblende (?) phenocrysts also common.	4235	290	300		.112			
		Phenocrysts are locally altered to dark green chlorite - e.g. 75'-85'	4236	300	310		.202	.007	.12	.013
		Rock in general is still badly fractured.	4237	310	320		.122			
		Pink Zeolite occurs in fractures after 104'	4238	320	330		.136	.007	.13	.010
		Gypsum locally occurs in fractures	4239	330	340		.132			
		82' - 1/2" sericite alteration envelope around a pyrite veinlet at 30"	4240	340	350		.135	.006	.13	.009
			4241	350	360		.155			
		Pyrite occurs as disseminated specks and blebs and as fracture fillings	4242	360	370		.145	.007	.13	.010
			4243	370	380		.152	.011	.10	.008
		Minor chalcopyrite blebs with pyrite.	4244	380	390		.151			
		71' - dark blue-black mineral	4245	390	400		.180	.012	.08	.011
		Minor moly in quartz veins - e.g. 109.5'	4246	400	410		.222	.009	.15	.012
		Rock is non-magnetic.	4247	410	420		.182			
			4248	420	430		.182	.007	.13	.011
140'	210'	ANDESITE	4249	430	440		.196	.009	.06	.013
		Dark grey, aphanitic andesite	4250	440	450		.185			
		Contact with the overlying porphyry is not distinct but appears to be gradational from light coloured bleached rock into dark andesite	4251	450	460		.162	.008	.10	.011
			4252	460	470		.183	.006	.12	.008
			4253	470	480		.085			
		Rock is still highly fractured and incompetent	4254	480	490		.151	.006	.13	.007
		Minor gypsum veining	4255	490	500		.142			
		Rock barren to 144' except for minor disseminated pyrite specks	4256	500	510		.162	.009	.14	.010
		Rock is moderately magnetic.	4257	510	520		.335			
		At 144' fine grains of bornite and chalcopyrite in pyrite appear.	4258	520	530		.168	.010	.11	.010
		Minor hematite staining on fractures	4259	530	540		.182			
		173.5' - 2" fault gouge	4260	540	550		.241	.009	.10	.009
		After approximately 195' the rock is quite green - possibly due to chlorite	4261	550	560		.146			
			4262	560	570		.138	.010	.14	.011
		Minor zeolite veining	4263	570	580		.195			
		198' - 202' bornite and chalcopyrite are common on fractures as disseminated grains with pyrite in slightly more competent rock.	4264	580	590		.158	.010	.10	.007
			4265	590	600		.122			
			4266	600	610		.160	.010	.14	.007

## GETTY MINES, LIMITED

Hole Number

K-76-3

## DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
		Chalcopyrite is generally visible as fine disseminations after 195'.	4267	610	620		.136)	.008	.12	.007
		190' - 210' pyrite content 2-3%	4268	620	630		.102)			
		201.5' - fine moly on a fracture.	4269	630	640		.185)	.008	.14	.038
			4270	640	650		.167)			
210'	270'	FINE GRAINED ANDESITE (Andesitic Tuff)	4271	650	660		.119)	.007	.13	.009
		Intrusive textured andesite - probably andesitic tuff	4272	660	670		.125)			
		Light grey in colour with approximately 10% mafic mineralx	4273	670	680		.780)	.008	.12	.007
		Gypsum veining common at 40° to sub-parallel to the core axis.	4274	680	690		.122)			
		Pink veining occurs locally	4275	690	700		.105)	.010	.11	.008
		269.5' - 1" wide quartz vein at 50°	4276	700	710		.122)			
		The rock becomes competent at about 233'	4277	710	720		.135)	.005	.15	.005
		Pyrite occurs mainly as micro veinlets and veinlets and to a lesser extent as fine disseminations and as stringers in quartz	4278	720	730		.100)			
		Chalcopyrite is very minor - occurring as disseminated blebs in pyrite veinlets and in andesite.	4279	730	740		.069)	.005	.12	.008
			4280	740	750		.103)			
			4281	750	760		.175)	.007	.13	.010
		Rock is non-magnetic	4282	760	770		.148)			
		Fractures commonly at 40° and 80°	4283	770	780		.189)	.008	.14	.009
			4284	780	790		.201)			
270'	450'	FINE GRAINED, MASSIVE ANDESITE	4285	790	800		.162)	.008	.11	.009
		Gypsum veining very common up to ½", and at random angles	4286	800	808		.135)			
		306.5' - slip surface at 45°. Disseminated blebs of chalcopyrite and ½" blebs of chalcopyrite with pyrite in a 3" silicified zone.	4287	808	810		.105)	.005	.11	.005
			4288	810	820		.129)			
			4289	820	830		.163)	.006	.11	.006
		316.5' - hematite staining along fractures.	4290	830	840		.135)			
		Occasional stringers of magnetite in gypsum.	4291	840	850		.192)	.006	.13	.004
		317'-350' quartz veining up to 2½" quite common at random angles. Quartz contains varying amounts of pyrite.	4292	850	860		.104)			
			4293	860	870		.179)	.006	.13	.006
		Chalcopyrite generally occurs as blebs in pyrite veinlets.	4294	870	880		.155)			
		365.5' - hematite stained slip surface at 45°.	4295	880	890		.164)	.004	.11	.005
		Magnetite becoming more abundant with increasing depth - occurring predominantly as veinlets at varying angles (e.g. - 386' a 0.2" veinlet at 90°)	4296	890	900		.160)			
			4297	900	910		.139)	.005	.13	.004
			4298	910	920		.102)			
		Sulphides appear to be decreasing in abundance with depth	4299	920	930		.214)	.004	.10	.004
			4300	930	940		.122)			













GETTY MINES, LIMITED

6069

Hole Number

K-76-2

DRILL HOLE LOG

Property..... KEMESS  
 Location..... Omineca Mining Division - B.C.  
 Grid. Using Kennco DDH KX-3 as origin  
 Latitude..... 2+03 S  
 Departure..... 1+58 W

Core Size..... NO  
 Elev. Collar..... 5,975'  
 Bearing.....  
 Dip..... 90°  
 Length..... 388'  
 Horiz. Trace.....  
 Vert. Trace.....

Starting Date..... Aug. 7, 1976  
 Completion Date..... Aug. 9, 1976  
 Date Logged.....  
 Logged by..... R. Cann  
*R. M. Cann*

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		

FROM	TO	DESCRIPTION	SAMPLE NUMBER	FOOTAGE		CORE LGTH.	ASSAY			
				FROM	TO		Cu %	Mo %	Ag (Oz/Ton)	Au (Oz/Ton)
0	32'	Casing	4038	32	40		.065)	.002	.29	.010
32'	45'	ANDESITE	4039	40	50		.052)			
		Fine grained, massive andesite	4040	50	60		.065)	.002	.12	.009
		32'-33.5' Amygdaloidal Andesite - amygdules up to 0.1" across	4041	60	70		.033)			
		containing white calcite	4042	70	80		.023)	.002	.11	.007
		33.5'-45' - All fractures contain FeO. Rock well fractured by fractures at random angles.	4043	80	90		.015)			
		Pyrite occurs predominantly as fracture fillings but also as fine disseminations through the core.	4044	90	100		.028)	.003	.09	.010
		33.5'-35' pyrite content 6-7%	4045	100	110		.045)			
		34.5'-0.3" veinlet of pyrite at 70° to axis	4046	110	120		.039)	.002	.09	.008
		1/2" gouge at 35.4', 0.1" gouge at 37', 6" gouge at 38.5'	4047	120	130		.028)			
		2" gouge at 40'	4048	130	140		.023)	.002	.10	.008
		1.5' of badly broken rock and gouge around 43'	4049	140	150		.024)			
			4050	150	160		.033)	.003	.10	.008
			4051	160	170		.047)			
			4052	170	180		.040)	.004	.10	.002
			4053	180	190		.051)			
45'	67.5'	ANDESITE BRECCIA	4054	190	200		.040)	.006	.12	.007
		Angular to subangular fragments - generally darker than the matrix	4055	200	210		.042)			
		calcite veining common past 45'. - vein up to 0.5" thick	4056	210	220		.048)	.003	.13	.007
		at angles 0°-90° but commonly 40°-50°	4057	220	230		.031)			
		Most fragments are greenish due to pervasive epidotization.	4058	230	240		.045)	.003	.09	.008
		Epidote is locally abundant in the matrix.	4059	240	250		.079)			
		Calcite veining very abundant 58' to 67.5'	4060	250	260		.038)	.004	.10	.008
		Pyrite occurs disseminated in the matrix and to a lesser extent as veinlets up to 0.1" thick	4061	260	270		.057)			
			4062	270	280		.045)	.007	.11	.007
		52'-58' pyrite content 4-5%	4063	280	290		.049)			

6069

- 7 pages















GETTY MINES, LIMITED

6069

Hole Number

K-76-1

DRILL HOLE LOG

Property... KEMESS
Location... Omineca Mining Division, B. C.
Grid... Using Kennco DDH KX-3 as Origin
Latitude... 3 + 40 N
Departure... 1 + 95 W

Core Size... NO
Elev. Collar... 6,025'
Bearing...
Dip... 90
Length... 378'
Horiz. Trace...
Vert. Trace...

Starting Date... Aug. 2, 1976
Completion Date... Aug. 4, 1976
Date Logged...
Logged by... G. Delane and R. Cann

Dip Tests table with columns: Depth, Angle (Read, Actual), Collar

Main drill log table with columns: FROM, TO, DESCRIPTION, SAMPLE NUMBER, FOOTAGE (FROM, TO), CORE LGTH., ASSAY (Cu %, Mo %, Ag (Oz/Ton), Au (Oz/Ton))

6069
8 pages





















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MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. **6069**  
MAP NO. **#1**

400 200 0 400 800 1200  
1:400

Getty Mines, Limited  
KEMESS PROPERTY  
OMINECA MINING DIVISION - BRITISH COLUMBIA

6069

ASSESSMENT REPORT  
DRILL HOLE PLAN

DRAWN BY: <i>Ray Joyce</i>	JOB NO.:	FIG. NO.:
CHECKED BY:		
DATE: Oct 18, 1976		
N.T.S.		