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Drill Hole Log

COMPANY Hogan Mines Ltd.

PROPERTY St. Vincent Moly

Section No.

HOLE No. SV #1

Started	Bearing 265°	Lat.	Collar El.	Logged by C. W. Ball	Date July 10/67
Completed	Angle from Horiz. -40°	Dep.	Bottom El.	Remarks AX wireline	
Driller	Length 328'	Location	Level		

Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim. ASSAY	
From	To		Ft.	%						MoS ₂	
0	7	7				Casing - no core	5311	7-10	3.0	Tr	
7	15	8	7			Broken core. Quartz diorite with augite, fresh. Fine grained. Fine grained feldspar porphyry (diabasic texture at 10-12') very rare veinlets of quartz with MoS ₂ for example at 13'. Felsite vein 1/8" at 20° to core axis at 10-12'. Foliation of Quartz Diorite at 70° to core axis.	5312	10-20	10.0	Tr	
15	20	5	4.5			Broken core. Fractured fine grained quartz diorite with veinlets of pink calcite and zeolites (white) at 20° and 40° to core axis. Very rare chalcopyrite associated with pyrite veins and slickensides at 40° to core axis at 18' (minor epidote)					
20	30	10	9.5	95%		Quartz Diorite fine to medium grained. Foliated. 19.5 - 23.0 = Quartz feldspar porphyry light grey, Veins of quartz and pyrite barren at 40° to core axis		20-30	10	Tr	

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Driller	Length 328'	Location	Level		

Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim MoS ₂	ASSAY	
From	To		Ft.	%								
30	35			90		Feldspar porphyry - barren -- minor epidote and veins. Grey rock. White calcite at 40° to core axis.						
35	35.5		0.5			Quartz Diorite						
35.5	39.5		4			Micro-diorite very fine grained, barren. No MoS ₂ visible	30-40	10'		Tr		
39.5	40		0.5			Quartz Diorite						
40	51			90		Quartz Diorite. Crude foliation. Quartz vein 1/4" with blue coloration due to Mo at 49.5 ft. Estimated 10% quartz and moderate chloritization.	40-50	10'		Tr		Spec 66'
51	52.5			90		Aplite fine grained pink, and grey micro-diorite or minette. Banding at 40° to core axis.						
52.5	70'			90		Quartz Diorite foliated. Foliation at 70° to core axis. Veins of epidote and pyrite at 35° to core axis. Estimate 10% quartz Rock is fine to medium grained.						Spec 66'

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Driller	Length 328'	Location	Level		

Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim ASSAY	
From	To		Fr.	%						MoS2	
70	70.5	0.5	0.5			Aplite cream coloured. Banding with quartz at 60° to core axis.					
70.5	71	0.5	0.5			Quartz Diorite brecciated - no MoS2	70-80	10	Tr		
71	74.5	3.5	3.5			Micro-diorite. Dark grey porphyritic. Veinlets of quartz and pyrite at 70° to core axis. No MoS2 visible					
74.5	76.5	2.0	2.0			Quartz Diorite. Low quartz content < 10%					
76.5	77.0					Aplite, cream color. Peppered through with black ferromagnesian needles.					
77.0	87.0	10.0	9.5			Foliated Quartz Diorite. < 10% quartz, Rock is fine grained. Kaolinized. Minor epidote Micro-diorite dyke at 77.5 - 78.0 Aplite at 79-79.3, 82-82.5 and 87-87.5					
87	87.5		0.5			Aplite, cream fine grained dense					

C. W. Ball

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Started	Bearing	Lat.	Collar El.	Logged by <u>C. W. Ball</u>	Date <u>July 11/67</u>
Completed	Angle from Horiz. <u>-40</u>	Dop.	Bottom El.	Remarks	
Driller	Length <u>328'</u>	Location	Level		

Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim. MoS2		
From	To		Fr.	%						MoS2		
87.5	88.5	1	1.0			Foliated quartz diorite, grey, medium to fine				Tr		
88.5	91.0		2.5			Micro-diorite grey barren				Tr		
91.0	95.5		4.5			Quartz diorite foliated slightly barren Rare veinlets epidote Foliation at 50° to core axis				Tr		
95.5	99.5		4.0			Microdiorite with veinlets of pink calcite and epidote at 20° and 40° to core axis				Tr		
99.5	117					Augite diorite. Fine to medium grained Foliation at 50° to core axis 5X Veins of quartz carrying pyrite and epidote at 30° to core axis. Veins 1/4"				Tr		Spec 102
117	170		52		Green	Fine grained aplitic biotite granodiorite carrying disseminated pyrite <<1%; minor epidote and very rare quartz vein Mo < 1/4" For Example quartz vein molybdenum 1/4" at 20° to core axis at 156'		117-170	53	Tr		

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Completed	Angle from Horiz. -40°	Dip.	Bottom El.	Remarks	
Driller	Length 328	Location	Level		

Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim. ASSAY		
From	To		Fr.	%						MoS ₂		
170	194			95		Cream coloured quartz diorite. Fine grained Pale salmon pink orthoclase. Uniform texture Biotite mildly chloritized \ll 1% disseminated pyrite. Slickensides strong with epidote and pyrite at 20° to core axis 182-184'		170-194		Tr		Spec 185
194	206.5			95		Diorite fine grained cream coloured with pinkish feldspar and green altered feldspars (? epidotized) Biotite chloritized				Tr		
206.5	208.5			100		Crowded feldspar porphyry dyke				Tr		
208.5	226.5			90		Diorite fine grained minor quartz. Cream coloured rock with pink feldspar saussuritized feldspar and chloritized biotite. Slickensides parallel to core axis. MoS ₂ on parting at 70° to core axis at 218		208.5-226.5		Tr		

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Driller	Length 328	Location	Level		

Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim		ASSAY
From	To		Ft.	%						MoS ₂		
226.5	228.5			85		Dark greyish black microdiorite dyke					Tr	
228.5	230			75		Diorite fine grained. Cream color Compare 208.5 - 226.5						
230	238					Micro diorite dark grey with some bands of pink aplite. Brecciation with minor quartz veins up to 1" at 236-237. Pyrite and minor MoS ₂ in quartz vein at 236.5'. Not ore.		230-237			Tr	
238	242					Pink aplite with inclusions of grey micro-diorite.					Tr	

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Footage		Interval	RECOVERY		Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	Estim. ASSAY		
From	To		Ft.	%						MoS2		
242	244			95		Compare 238 - 242				Tr		
244	249			95		Lamprophyre dyke upper and lower contacts at 60° to core axis.						
249	264.5			95		Aplite fine grained with small phenocrysts creamy white feldspar. Quartz very fine in matrix only. Chloritized mafica and disseminated pyrite << 1%. Rock is creamy pink color				Tr		
264.5	273			95		Compare 249-264.5				Tr		
273	277			95		Zone of intense epidotization. Pale apple green (altered aplite). Minor quartz vein and pyrite.				Tr		
277	287			95		Aplite fine grained pink, chloritized mafica. Quartz vein Molybdenum 1" with pyrite at 279'. minor haematite.						

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From	To		Ft.	%						MoS ₂		
287	288			95		Zone of intense epidotization with minor hematite. Original rock is aplite.				Tr		
288	303			95		Pink fine grained aplite. Compare 249' - 264.5'				Tr		
303	304.3			95		Dark porphyry dyke (black with white phenocrysts (altered feldspar). Choritized mafica. Hematite on slips at 20° to core axis.				Tr		
304.3	310			95		Compare 249-264.5				Tr		
310	328			90		Aplite fine grained creamy pink color. Partly chloritized mafica. Quartz vein molybdenum 1/4" at 70° to core axis at 310.5'. Quartz vein 1/2" with sericite and pyrite at 324'.				Tr		

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