

BORING AT LONG STRUGGLE MINE - ALBERTON

Under arrangements with B.A. McCann, lessee of the Long Struggle Mine at Alberton (10639/M - 20 acres), three bore holes, with a total length of 551 feet, were drilled by the Mines Department Mitchell Diamond Drill between 24th July and 30th September, 1937.

No. 1 BOREHOLE

This hole was horizontal and located in end of north-easterly cross-cut at 456 feet from main (lower) adit crosscut. It was directed in a south-easterly direction to intersect the northern extension of Long Struggle reef.

Details of the bore are as follows:-

From	To	Thickness	Material
0 feet	81 feet	81'0"	Slate
81'	82'4"	1'4"	Lode matter
82'4"	89'6"	7'2"	Slate
89'6"	92'	2'6"	Lode matter
92'	110'6"	18'6"	Slate
110'6"	111'1"	0'7"	Slate & quartz
111'1"	120'6"	9'5"	Slate
120'6"	121'2"	0'8"	Lode matter
121'2"	134'6"	13'6" ⁴	Slate
134'6"	135'	0'6"	Lode matter
135'	136'	1'0"	Slate
136'	138'	2'0"	Lode matter
138'	142'	4'0"	Slate
142'	142'6"	0'6"	Lode matter
142'6"	184'6"	42'0"	Slate
184'6"	187'	2'6"	Lode matter
187'	218'	31'0"	Slate & sandstone
218'	230'	12'0"	Sandstone
230'	231'8"	1'8"	Lode matter
231'8"	251'	19'4"	Sandstone

From	To	Thickness	Material
251'	253'1"	2'1"	Lode matter
253'1"	254'	0'11"	Sandstone
254'	255'8"	1'8"	Lode matter
255'8"	258'	2'4"	Slate
258'	259'6"	1'6"	Lode matter
259'6"	261'	1'6"	Sandstone
261'	266'	5'0"	Lode matter
266'	290'	24'0"	Sandstone

Assay results of cuttings of the lode material at various depths were:-

			<u>Gold</u>			<u>Silver</u>		
			oz.	dwt.	grs.	oz.	dwt.	grs.
	81'	to 83'	0	0	12	0	0	9
	88'	" 94'	trace			Nil		
	110'	" 110'8"	Nil			Nil		
	120'6"	" 124'	"			"		
	134'6"	" 135'	0	1	14	0	0	19
First half	136'	" 138'	0	0	19	0	0	15
Letter "	136'	" 138'	3	4	12	0	3	18
	142'	" 142'6"	1	7	9	0	2	12
	184'	" 187'	Trace			Trace		
	231'	" 231'9"	"			"		
	251'	" 253'1"	0	2	8	0	1	1
	254'	" 255'8"	Trace			Trace		
	261'	" 266'	"			"		

A specimen from midway between 136 feet and 138 feet showing coarse, free gold was excluded from the sample and not assayed.

NO. 2 BOREHOLE

No. 2 Borehole was commenced from the same position as No. 1 and, with the object of cutting Long Struggle Reef at a greater depth, it was depressed at an angle of 55°.

The log of this bore is tabulated below:-

From	To	Thickness	Material
0	104'	104'	Slate
104'	105'8"	1'8"	Lode matter
105'8"	130'	24'4"	Slate
130'	140'	10'	Sandstone & Slate
140'	142'1"	2'1"	Lode matter
142'1"	220"	77'11"	Sandstone & slate
220'	225"	5'	Slate

The samples of lode matter from 104 feet to 105 feet 8 inches, and from 140 feet to 142 feet were assayed and showed traces of gold and silver in both places.

NO. 3 BOREHOLE

This hole was started at 53 feet along the north easterly crosscut from end of main adit crosscut. It was abandoned after drilling 36 feet in sandstone and slate without intersecting any quartz.

F. BLAKE
ACTING GOVERNMENT GEOLOGIST.

Mines Department,
HOBART.

12th April, 1938.