URMISCC/48-53

COPY

Zeehan,

June 13th. 1906.

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To the Chairman & Directors,

Cox's Bight Tin Mining Company.

Dear Sirs.-

We arrived at the Bight on Friday May the 11th. at 10 o'clock at night, It was very dark and raining hard at the time, we therefore decided not to attempt landing till the following morning Saturday. As the glass was very low and the weather looking bad the Skipper was anxious to get away. All hands had to turn to and get the provisions landed and the tin shipped, this allowed very little time to have a look round before the boat left.

On the following morning Gaffney, Heise and I went round the sections in order to gain some idea as to which portion of the property it would be advisable to first pay attention. After a careful examination we decided that with the short time at our diposal we could do little or nothing in the shape of prospecting the western portion of the property, and seeing that it would cost a considerable sum of money to bring the water on to these sections. We decided to devote our time to prospecting the eastern sections viz.- 1620/91 M 1291/91 M 1292/91 M 1612/91 M 1290/91 M

As Mr. Gaffney had made a request to be allowed to continue in charge of the sluicing up to the time of my leaving the Bight, I decided to measure off a block of ground in each of the faces being worked at the time.

In Gaffney's face we set off a block of ground measuring 185 yards ofwash, the overburden covering this measuring 60 cubic yards making a total of 245 yards to be removed. This occupied Gaffney and his son 13½ days including 1½ days in cleaning up the result, 208 lbs tin. The face was carefully sampled before starting to sluice and gave a return of from 7 ozs to ½lb. to the yard. It will be seen by this that the paddock turned out much better that it prospected.

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Meldon's Face - H. Gaffney had charge of this face with two men ; we measured off 1030 yards of ground; as this face had been working five days after the former clean up we allowed them an average 35 yards per day, that being the quantity of ground they considered they were putting through previous to our arrival. This would give a total of 1215 cubic yards of dirt dealt with by three men in 28 days including the time occupied in cleaning up. The face was sampled before starting to sluice and gave a return of 1 lb. 5 ozs. to the yard. It will therefore be seen that this paddock yielded much better than it prospected. There is a splendid face of wash averaging 12ft. carryingtin from top to bottom. The face at present is five chains in length on payable wash. The wash is very soft and could with proper appliances be removed for 3d. per cubic yard. The high level race commands the whole of the sections named and is situated at an elevation of 230ft. above the swamp near the southern boundary of section 1291/91 M. The length of this race at present is 68 chains. In order to secure all thewater at present flowing from Cox's and Box's Creek it will be necessary to spend about £30 on repairs to the race. If it desired to construct the dam, the race will have to be made at least 1ft. wider at the cost of about £1 per chain, The lower race as at present constructed commands only the lower portion of the property, the length of the race is 124 chains to the edge of the timbered country. In order to make use of the water in Burk's Creek it will be necessary to extend this race about 35 chains through a bed of timber and a portion would be rock cutting; this would be an expensive piece of work which I think might stand over for a time until the company are in a better financial position.

[illegible] small dam repaired and raised 4ft. we would have sufficient water for the present. The above work would cost £30.

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The length of pipes required to work the property starting at the face of wash marked A on the sketch plan would be 33 chains. This face is situated at the top of the terrace 5 chains from the beach and 45ft. above the swamp. This is a fine face of wash and varying from 5ft. 6in. to 10ft. deep. Sampled the face at each end Nol 1 wash 5ft. 6in. tried 2 cubic feet, result 3 oz. or 2½ lbs. to the yard.

No. 2 10ft. of wash - result 8 ozs. from 2½ cubic ft. 5½ lbs. to the yard.

B. Face -- 9ft. 6in. of wash, tried 3 cubic ft.- result 13 ozs. or 7lbs. 5 ozs. to the yard.

C. Face -- 8ft. of wash tried 2 cubic ft. of dirt - result ~~1½ ozs. or 1 lb. 11 ozs. to the yard~~ 1 oz. or 14 ozs. to the yard

No. 1 D. Face 5ft. of wash tried 1½ft. of dirt - result 1½ ozs. or 1 lb. 11 ozs. to the yard

No. 2 D. Face 6ft. of wash tried 1½ cubic ft. of dirt result 2 ozs. or 2 lbs 4 ozs. to the yard.

No. 3 D. Face 6. ft. 6in. wash tried 1½ft. of dirt - result 1/3 1lb. 2 ozs. to the yard.

No. 4 D. Face 7ft. wash tried 1½ cubic ft. dirt -- result ½ oz. or 9 ozs. to the yard.

No. 5 D. 7ft. 6. in wash tried 1½ cubic ft. dirt - result ½oz. or 9 ozs. to the yard.

No. 6 D. 7ft. wash tried 1½ cubic ft. dirt - result 1½ ozs. or 1 lb. 11 ozs. to the yard

No. 7 D. 8ft. of wash tried 2ft. of wash Result 8 ozs or 6 lbs. 12 ozs. to the yard.

No. 8 D. 7ft. wash tried 1½ cubic ft. dirt - result 2½ ozs or 2 lbs. 13 ozs to the yard

No. 9. D. 5½ft. wash not bottomed tried 2 cubic ft dirt result 2 ozs. or 1 lb. 11 ozs. to the yard.

No. 10 D. 5ft. wash tried 1 cubic ft. of dirt - result ½ oz or 14 oz. to the yard.

No. 1. E. Face 4½ft. wash tried 1⅛ cubic ft. dirt result 1 oz. or 1 lb. 2 ozs. to the yard.

No. 2. E 5ft. wash tried 1⅛ cubic ft. dirt result 1 oz. or 1 lb. 2 ozs. to the yard.

No. 1 F. face 13½ ft. wash tried 3 cubic ft. dirt result ¼ oz. or 4¼ ozs. to the yard.

No. 2 F. 16ft. wash tried 3 cubic ft. dirt result ¾ oz. or 6¾ oz. to the yard.

No. 3 F. 8. ft. wash tried, 2 cubic ft. dirt result ~~15½ oz. or 1 lb. 15½ oz. to the yard~~ ⅝ oz. or 10½ oz. to the yard.

No. 1 G. Face 8ft. wash tried 1⅛ cubic ft of dirt result 13½ oz. or 1 lb. 15⅛ ozs. to the yard

No. 2 G. 6. ft. wash tried 1½ft. dirt result ⅝oz. or 9 ozs to the yard.

No. 3. G 6 ft. wash tried, 1⅛ cubic ft. wash - result ⅝ oz or 9 ozs. to the yard.

No. 1 H. Face 5ft. wash tried 2 ft. dirt -result 1⅛ oz. or 1 lb. 5 ozs. to the yard.

No. 1. trial above H. face 18 i n. wash tried 1⅛ cubic ft. dirt - result 1⅛. oz. or 2 lb.s 9 ozs. to the yard.

No. 2 18 inches of wash tried 1ft. of dirt - result ⅝ oz . or 1 lb. 5 ozs. to the yard.

No. 3 2ft. wash tried ⅛ cubic ft - result ¼ oz. or 13½ ozs to the yard.

No. 4 18in. wash tried ⅛ cubic foot of dirt - result ⅛ oz. or 1 lb. 11 ozs. to the yard.

No. 1 I face 5½ft. wash tried 2 cubic ft. of dirt -result ½ oz. or 13½ ozs to the yard.

No. 2 I face 8ft. wash tried 1⅛ cubic ft. of dirt -result 1½ oz. or 1 lb. 15⅛ ozs to the yard.

No. 3 I. face 8½ft. wash tried ⅛ cubic ft. of dirt - result 1½ oz of tin or 1 lb. 15½oz. to the yard.

Prospect taken in the small gulley west of Meldon's face 6 chains 8ft. above the face of old workings tried 1⅛

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cubic feet of dirt - result 1¼ oz. or 2 lbs. 2 oz. to the yard

No. 3 Prospect taken from the side of the terrace, three chains below No. 2 there is 18 ins. of the wash, tried 1ft. of dirt -- result 25 ozs. 42 lbs. 3 ozs. to the yard.

Tried the shallow terraces on the west side of the Main Creek in at least 20 different places the wash runs from 18 in. to three ft. and returns from ½ oz. to 2 ozs. to the dish: in every case the samples were taken from top to bottom of the wash the result cleaned and put into a separate parcel and labelled.

The block of ground which we consider has been properly prospected being 37 chains by 15 chains and comprising an area of 55½, and about 5½ acres had been previously worked leaving 50 acres of highly payable ground, this does not include any of the ground on the west side of the Creek. I am only dealing with the ground which the races at present command.

In order to work the terraces on the west side of the Creek the high level race will have to be extended west about 30 chains at a cost of about £2. per chain. I would recommend that this work be carried out as soon as convenient as there is a considerable area of rich shallow ground splendidly situated and could be worked very cheaply and would give good returns.

Having a day or two to spare before the boat was expected I desired to see as much as I could of the Western sections. In the old shaft which is 17ft. deep the wash carrying tin from the surface mixed the dirt thereon and tried one ft. of the dirt - result 3½oz. or 5 lbs. 15 ozs. to the yard.

I started another shaft 1¼ chains chains further out in the flat, got down 15ft., 13ft. of which carried tin: owing to the water and the sandy matter of the wash were compelled to abandon this shaft without seeing the bottom. These shafts are in section 1328/91 in Glover's old workings on section

nov 1796 M.

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48 there is a face of wash opened up for a distance of 4
91 M
ains showing a face of wash 8ft. deep carrying payable
in; this had been worked on a flat bottom one foot thick,
his also carried a little tin; below this bottom there
8 5ft. of wash which will average 2 ozs. to the dish.

Started another shaft 4 chains further out in the flat
got down 10ft. this carries tin from the surface. I believe
e could have bottomed this hole if we had the time, tried
the terraces 10 chains higher up the hill and never failed
to get tin. I feel sure that when this portion of the property
is further prospected that some very rich and extensive bodies
of Tin wash will be discovered.

In conclusion I have ne hesitation in stating that
the Company possess a very extensive and most valuable
property.

I remain,

Dear Sirs,

Yours respectfully,

(Signed) Henry Castle.

39 samples taken within an area of 50 acres prospected by us
at Cox's Right gave an average depth of wash 6ft. 6in.average
return of tin per cubic yard 2 lbs. 3 ozs 12 dwt. 2 grs.
this does not include Meldon's face, the average depth of
wash being 12ft. for a width of 5 chains the average return
of tin from the block of ground sluiced 1815 yards being 2 lbs.
3 ozs. 7 dwt. 20 grs per cubic yard.

Or 520 tons 9 cwt. 23 lbs. 8 oz. 10 dwt. 19 grs. for the
whole block of 50 acres.