

3800 0004

191
Jan 5

NEVADA RAND MINE

- 9
- LOCATION:-** The Nevada Rand Mine is located 9 miles southeast of Dead Horse Wells and 13 miles southeast of Rawhide, Mineral County, Nevada.
- HISTORY:-** Ore was discovered in this area about 1908 by three miners from Rawhide, who sunk a vertical shaft to a depth of 350 feet.
The mine was later operated by a company which failed and the property was purchased at a Sheriff sale by the present owner, R. J. Randall.
The present owner has installed a small Ellis mill at Dead Horse Wells.
- PRODUCTION:-** Leasers have made shipments of ore from the Nevada Rand Mine, totalling \$150,000.00.
- GEOLOGY:-** The ore occurs as lenses in a faulted zone in andesite. This faulted zone is from 60 to 100 feet in width and shows some post mineral movement.
- ORE:-** The ore minerals are free gold, cerargyrite (horn silver) and manganese oxide occurring in a quartz and kaolinized andesite gangue.
- DEVELOPMENT:-** The mine is developed by a one and one-half-compartment vertical shaft to a depth of 350 feet.
Crosscut tunnels and drifts were driven at the 50, 150, 250 and 350 foot levels.
All of the ore of commercial grade was discovered on the 150 and 250 foot levels. The 50 foot level showed no ore of commercial grade.
The 350 foot level is in the sulphide zone and shows the values to be very low.

SUMMARY AND CONCLUSION:-

The ore of the Nevada Rand was increased in value by secondary enrichment from a depth of 100 to 300 feet, making an ore of good commercial grade. This ore has all been mined except small bunches left along the stope walls and as small pillars, which could be mined at a profit by leasers only.

The faulted zone has been explored thoroughly enough to prove that the possibility of more lenses of ore is small.

Submitted March 30, 1936.

BERNARD YORK

3800 CCA

Dec. 27, 1930.

Mr. Wallace Macgregor,
1962 Yosemite Road,
Berkeley, Calif.

Dear Wallace:

Your telegram was received about 8 AM, and your letter about 2 hours later. On receipt of your wire I communicated with Howell by phone. At 1PM he came up to see me, and has just left.

Howell said that the owner is out at the mine and he does not know when he will be in. Howell will see his wife this evening, she works somewhere in town and will not return home until after 5PM, after which we will know more about it.

As to the title, it was bought at sheriff's sale 3 or 4 years ago. The title has been pronounced sound by a lawyer. The man who bought it in had a bill of about \$700 against the mine, and he assumed and paid off other bills against it, the total amt being in the neighborhood of \$4000; rather, his wife paid off the bills, as she had some money of her own. Of course in case the lease and bond goes through, a satisfactory abstract and a certificate of title must be furnished with the first payment. Howell has no fear about this part of it, but he is afraid that his man may be harder to deal with now, others have been after him, and it may be a little more difficult than it would have been at the time I wrote to Van.

Since the fellow bought it he screened some ore on the dump and shipped it for which he received \$1500, and he has also taken out two or three small shipments of high-grade.

As to the Lynwood Garrison report: Garrison was sent out by the Philadelphia interstate make a report, and spent a week or so on the ground. Howell says that he found Rudderow a pretty poor manager, dissolute, and roasted him roundly in the report, but that the report was favorable as to the mine. No one knows anything about the report, and I suppose the only way to get a copy of it would be to write to Garrison. Howell says he might be able to get it from Rudderow, with whom he is quite friendly, but he is not sure, for the fellow was very sore about what was said about him. I think Rudderow is in Los Angeles, so for the time being we will have to forget about the report and depend upon our own observations, which is what we would do in the end in any event.

You and I and Howell will share equally in commissions and profits on the deal. I suppose if it is consummated through the engineer Hill that he will have to be taken care of in some way by you and me alone, for I don't think Howell will consider more than a split to thirds, and I think anything less would not be fair to him.

- 2 -

As to Vandercok, he is out of the picture. He did not answer my letter, of which I sent you a copy. It seems from what you have written to me that he did not show you the letter, which he should have done at once. At any rate he is not at all interested in the matter, and we must proceed without him.

Howell brought up a copy of the option he will try to obtain, and set forth the terms you will have to ask of the buyer. You know he has an agreement to pay \$25,000 for it, and if we sell it the price will be \$50,000. That will be a very low price if the mine proves up. The terms are liberal, \$1000 cash will be demanded because of the considerable amount of buildings, tools and other equipment. The other payments will be spread over a period of 3 years at 6 months intervals. With one more good prospect the whole thing would be paid off in cash in the first six months. I am inclosing a schedule of the lease and bond we will ask, subject to alteration in minor details, etc.

7:30 PM.

Howell has been unable to get in contact with the wife of the owner. He has just phoned me again that he went to the house after 7PM and it was still dark and uninhabited. He thinks she may have gone out to the mine, and will try to learn about it from some neighbors tomorrow morning. So there the case rests.

I will urge Howell to go out to the mine at once if necessary, and will go also if it seems best. In the meantime you will have to tell your client to be patient. At the time I first wrote of this Howell could have had anything he wanted, but it may be that other men are out there now looking it over. I will wire you as soon as I have any additional information.

With best wishes to all of you from the Smith tribe for the holiday season.

Sincerely yours,

3800 0004

TERMS OF LEASE AND BOND.

It is hereby agreed between Grantors and Grantees as follows:
Grantors agree to sell to the Grantee all these mining claims formerly belonging to the Nevada Rand Mines Company and consisting of the following claims: Last Hope; Last Hope fraction; Thomas Fraction; Last Hope Extension; Last Hope Extension No.1; Hope Extension No.2; Hope Extension No.3, all situate in the Rand Mng. District, Mineral County, State of Nevada, on record in the office of the County Recorder of Mineral County, Nevada, at Hawthorne, Nevada, to which Records reference is hereby made for a more particular description of said claims.

Also all the mining equipment, consisting of 18 HP Western Gen Engine and Hoist, cable, trucks, buckets, mine tools, houses on the ground, etc., and all property real and personal thereto belonging and now situate on said property.

Grantee agrees to pay for the above named claims and other property the sum of \$50,000, in the following manner and at the stated times:

\$1,000.	on or before	1931,
4000.	" " "	(six months later)
7,000.	" " "	"
8,000.	" " "	"
8,000.	" " "	"
10,000.	" " "	"
12,000.	" " "	"

On any and all ores milled, marketed, or sold, Grantee agrees to pay to Grantors as follows:

On ores yielding ~~more than~~ up to \$15. per ton, net, transportation and working or smelting charges only being first deducted, 10% of the net returns.

On ores yielding above \$15. per ton and up to \$25. per ton net, 15% of the net returns.

On ores yielding above \$25. per ton and up to \$50. per ton, 20% of the net returns.

On ores yielding above \$50. per ton, 25% of the net returns.

All royalty payments shall be promptly made to Grantors on receipt of proceeds by Grantees, and said amounts shall apply on the purchase price of the property and be deducted from the amount of the next payment.

Fifty shifts of labor per calendar month shall be performed by Grantee on said ground, commencing _____, 1931, to continue in force the option to buy; and failure on the part of Grantee his heirs or assigns, to perform said amount of work, or failure to make the specified payments at the specified times, in the amounts named, shall render this agreement void.

All work on the ground is to be performed in a miner-like fashion with due regard to the future safety and permanence of the property as a workable mine.

TERMS OF LEASE AND BOND. (2)

Grantors agree that on payment to them on January ____ 1931, of the first payment, to furnish an Abstract of the claims showing title to said ground to rest in them; also to furnish at that time "deed in escrow", same to be held by the Reno National Bank of Reno, Nevada, until all payments on the property shall have been made by Grantee to the above named bank for the use and benefit of Grantors; that when payment in full has been made, deed shall be delivered by said bank to said Grantee; and that in case of failure on the part of said Grantee to make any or all of the payments, said deed shall be returned by said bank to said Grantors; and that all payments made heretofore shall be retained by said Grantors as liquidated damages.

SIGNATURES ETC.

3200 0004
G
1962 Yosemite Road,
Berkeley, Calif
Jan. 24, '33

- Copy -

Mr. B.P. Howell
303 Hill Street,
Reno, Nevada.

Dear Howell:

Yours of the 23rd, received this morning. I have just placed three properties across the water and I will take the management of them. This party wants another property and has asked me to find it for him.

From what he has said in letters and cables I will also direct this property but will need good assistance. Mr. Leaver and A.M. Smith speak so well of you and of your experience that likely something can be worked out along the lines suggested in your letter about a job.

I have been shaping up this work I am now getting into for a year and a half and have some good people. I first had to examine the properties, then make detailed reports, then get signed and acknowledged options, have deeds put in escrow in a good, reliable bank that has a corresponding bank in Europe. Also on the copies of deeds, the banks signature and certification that the copy was an exact copy of the original deed held by that bank in escrow. These deeds had to be Grant, bargain and sale deeds. Even my reports had to be acknowledged before a notary and his signature attached.

I have just lately received a letter thanking me for the complete manner in which I carried out instructions. They stated everything was very satisfactory and they were sending funds to pay on mines and get the work started.

They are willing to make cash payments, and then payments at regular intervals and 10% royalty to apply but will not be bothered with sliding scale royalty, when they are making regular payments. This is quite a different kind of party now as it is cash and operation and no stock deal.

From what you write I see that the Randall's want \$20,000.00 1000.00 cash and balance as before. I will put it up to these people at \$35,000.00 if you will get the option as soon as weather will permit from the Randalls at \$20,000.00 in your name and then send me a letter that you it tied up and will transfer it to my party under an agreement.

As soon as you have the Randalls signed up on the option, have them make out a deed and acknowledged as usual. A grant, bargain and sale deed. Due to the conditions of the Reno Banks I doubt if these people will pay any money into a bank there and likely the business will have to be done through a San Francisco bank. The certified copy of the deed may have the signature names typed in and not hand written in the copy but the bank must certify it is an exact copy and that they hold the original in escrow. This is to distinguish between the original and the copy.

38000004

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If we use one Bank then the Randalls deed in escrow and their instructions can go into one numbered escrow and then your deed in escrow and instructions can be put in another numbered escrow, and our joint instructions to same bank as to distribution of money after Randall money has been set aside.

-- Payments---

Partial Payments	To Randalls	To A.M.S., B.P.H., W.M.	
-----	-----	-----	-----
\$2500.00	\$1000.00	\$1500.00	cash
5000.00	2500.00	2500.00	in six months
5000.00	3000.00	2000.00	" 12 "
5000.00	3500.00	1500.00	" 18 "
5000.00	3500.00	1500.00	" 24 "
5000.00	3500.00	1500.00	" 30 "
7500.00	3000.00	4500.00	" 36 "
-----	-----	-----	-----
\$35000.00	\$20000.00	\$15000.00	

This party will insist on ownership of everything they put on the property in the way of equipment, with complete jurisdiction over it. I know that there is greatly renewed interest in gold mining but it is not every one who is ready to pay down cash and make cash payments at regular intervals.

If we can work out a complete deal well and good, otherwise I have two other Nevada and three California properties to substitute from but I have not seen them as I have the Rand. What is your thought on the water situation at the Rand mine? At present this is a serious matter from a milling standpoint. How would you overcome it in the cheapest way and from what source?

Yours very truly,

W.M.

Reno, Nev., Dec. 31, 1930.

Memorandum of Agreement between,
B. P. Howell,
A. M. Smith,
Wallace MacGregor, his heirs or assigns

It is agreed as follows:

B. P. Howell, holder of option from R. J. Randall and Janet Randall his wife, to buy a certain group of claims, situate in Mineral County, Nevada, option dated Dec. 31, 1930.

Option to MacGregor or to his assigns is to agree in every particular with terms named in option to Howell, excepting in amounts of payments on purchase price, which are in all cases to be doubled, after the first payment Jan. 31, 1931, which is to be the same as named in the Howell option, viz. \$1,000.

Excess amounts over amounts required in the Howell option or a total of \$25,000., are to be divided equally between Howell, Smith, and MacGregor.

B. P. H. ~~70%~~ commission to be paid Howell on amounts named in the option to Howell is to be divided equally between A. M. Smith and B. P. Howell

Option to MacGregor is to be given for 30 days, from Dec. 31, 1930 to and including Jan. 20, 1931.

B. P. Howell
Alfred Merritt Smith

Dec. 27, 1930.

Mr. Wallace Macgregor,
1962 Yosemite Road,
Berkeley, Calif.

Dear Wallace:

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Howell said that the owner is out at the mine and he does not know when he will be in. Howell will see his wife this evening, she works somewhere in town and will not return home until after 5PM, after which we will know more about it.

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SIGNATURES, ETC.

3800 0004

Shamrock Ore

Test No. 1 - Took 100 gms of 95% - 60 mesh
ore - mixed with 40# lime for ton ore.

Added 300cc sodium cyanide sol @ 8.5%
KCN - agitated 48 hrs at room temp. ~~Start~~
~~at 3.90~~ Cyanide Consumpt 15.00# per ton.

Recovery	81.75% of	0.345 Am.
Tails	12.43	0.60

69.32	1.285
-------	-------

Recovery	84.8% of	82.5% gold.
----------	----------	-------------

Test No 2 - Same as No. 1.

81.75	—	0.345
-------	---	-------

12.10		.06
-------	--	-----

69.55	1.285
-------	-------

85.2% of	82.5% gold.
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Average recovery { 85.0% of
82.5% Au.

Average Cyanide loss, 14.40# KCN.

*Re gets better results
without mercuric cyanide*
Add

Shamrock Ore - June 15, 1925 -

Test #3 - 100 gm of 95% - 60 mesh ore mixed with 40# lime per ton. added 300 cc of NaCN to which had been added about .5 gm H_2O reducing original titration of 8.5# KCN to 6.0# KCN . Agitate 48 hrs at room temp -

48 hrs sol	2.60 KCN		10.2# KCN loss + what
	3.70 CaO		was consumed of $\text{Na}_2\text{H}_2(\text{CN})_4$
	of Ag?		03 Am.?
Heads	81.75 -		.345
Tails	25.05		.005
	56.75		.28
	69.4% Ag.		81.2% Am.

Test No 4, Same as No. 3 -

11.1# KCN loss + what was consumed
out of $\text{Na}_2\text{H}_2(\text{CN})_4$ -

81.75	-	.345
20.20	-	.107
55.55	-	.275
67.9% Ag	-	77.6% Am.

Average cyanide loss out of the free cyanide = 10.65# KCN -

Test No.	Sol Titrations				Pentam One Cyanide Consumed	Time of Sol. Contd Hours	Assay Values Ozs				do Etrn.	
	On KCN	CaO	OR KCN	CaO			Heads Ag - Au	Tails Ag - Au	Silver	Gold		
1	4.80	2.00	4.10	2.25	3.50	16.0	19.21	0.168	4.53	0.025	76.3	85.0
2	4.80	2.00	4.15	2.25	3.25	"	"	"	4.40	"	77.0	85.0
3	4.90	0.70	4.15	1.80	3.75	"	"	"	4.85	"	74.6	85.0
4	4.90	0.70	4.15	1.80	3.75	"	"	"	4.80	"	75.0	85.0

Summary of Results: There is little choice between the two methods of treatment - however the plain sodium cyanide seems to be better than the mercuric sodium cyanide. Some further work will be done on this. at in December.

- Nov. 1924.

J. A. Woolf.

Talafosse Ore from Nevada.

Semi-oxidized highly silicious ore.

Crushed dry to 85% through 100 mesh. 200 gm samples taken for individual tests.

Tests 1 & 2 are duplicates in so far as their treatment is concerned, while 3 & 4 are duplicate. Sol. titration are in lbs reagent factor of solution.

Procedure 1 - Test 1 -

200 gm are mixed with 20 lbs lime per ton ore and agitated 16 hrs at room temp with 1000 cc cyanide sol titrating 4.8 lbs KCN and 2.00 lbs CaO.

Washed, dried, assayed.

Test No 2, same as No 1.

Test No 3, same as No 1 except that the cyanide sol used was a Mercuric-Sodium Cyanide solution made by immersing metallic mercury in a 40% NaCN sol and blowing air over the surface of the mercury for 48 hrs. In addition to this, a small amount 0.2 gm mercuric oxide was dissolved in the 1000 cc used in the test. This sol titrated 4.90 % KCN and 0.7 % CaO before being added to the ore.

Test No 4, same as No 3.

Shamrock Ore -

Test #5 - 100 gms of 95% - 60 m ore mixed with 40# lime per ton. Added 300cc cyanide solution made up from a strong NaCN sol in which mercury has been standing for 6 months. The 300cc titrated 8.30# KCN -

Agitated 48 hrs at room temp

Batch #4 13.65# KCN loss.

	g of	oz Am
Head	81.75 -	.345
Res	12.05 -	.075
	69.70	1270
	85.3%	78.2%

Test No 6 Same as No 5.

81.75 -	.345
12.85 -	.075
68.90	.27
84.3%	78.2%

Average Recn. Two tests

84.8% of -
78.2% Am

Avg Cyanide Loss
13.8# KCN.

Are Test - as
copied by A. M. Smith