

2890 0003

Hunt - Arnold Coll.

**INCOMPLETE SYNOPSIS REPORT
ANTELOPE QUICKSILVER MINES, LONE PINE.
WASHOE COUNTY, NEVADA.**

*Closed to
mining*

TITLES. EIGHTEEN UNPATENTED CLAIMS.

MINING DISTRICT. LONE PINE, WASHOE COUNTY, NEVADA,

316

*ITEM
3*

ELEVATION:

ACCESSIBILITY. About 22 miles south of the OREGON LINE. REACHED
Fro REN by HIGHWAY 395; Highway 396 to Cedarville,
and from there by Forest Service Highway to Sheldon
Game Refuge to within 5 miles, at which point a dirt
road goes to the mines.

North of Vega

**DEVELOPMENT
WORK.**

Assessment work done all over the property with Cater-
pillar and bulldozer removing the overburden exposing
ore in numerous places all over.

The lower end of the property is opened by shaft
and incline to a depth of 18 feet, ore developed
averaging five pounds a ton. About 500 feet southeast
from incline shaft is an open cut about seven feet
deep exposing a red cap about three feet thick
overlying rhypolite that has been cut through a depth
of about four feet averaging 3 lbs. per ton.

A ditch 200 feet long was cut with the bull dozer showing
continuity of ore.

Upper part of the property is opened in four places by small
shallow shafts and one big glory hole shaft about 30 feet
shows a tremendous quantity of ore opened that is the
most difficult of all ore to concentrate and goes 13 lb.
per ton.

This property was found very comparable with the Nevada
Cinnabar Mines, except that the quantity developed,
in sight and indicated is very much greater, and can
justify operations on the basis of 500 tons and even
1000 tons a day, as the ore is in concentrable form.

MINING GEOLOGY.

Not detailed at the present time; However it is noted
that there is a lava capping 10 to 40 feet thick over-
lying the cinnabar or mercury ore formations.

Will be detailed on next examination.

HISTORY.

Discovered in 1931.

**TONNAGE
AVAILABLE.**

Several millions tons are indicated or in sight besides
the developed ore. that can be surface-power-shovelled
at a low cost.

ORES.

PRincipally cinnabars. The other associated min rals
typical of the Lone Mines are anticipated here.

1. MONTGOMERY MERCURY MINES.
2. 23 Miles over good roads southeast of Lovelock, Nevada, on route to Stillport Airport. Adjoin on the south side of Pershing Quicksilver Mines.
3. Good roads.
4. Altitude is about 4800 feet.
5. Three full claims and a fraction claim, about 72 acres.
6. A few hundred flasks were retorted, either on the premises or elsewhere. The exact production is not available now but may be obtained. The Pershing Mines north of these mines have records of over 3700 flasks.
7. The rocks are principally limestones, schists and sandstones.
The cinnabar deposits are principally found on the footwall contacts of the limestones that dip to the Northeast and the East.
8. The values are principally ^{as carbonates, oxides, and chlorides} contained in cinnabars and in associated minerals.
9. The range in pounds per ton is between three and sixty pounds per ton. Occasional or frequent small lenses go between sixty and one hundred twenty pounds per ton.
10. The average contents in pounds per ton of ore is between eight and twenty pounds per ton.
11. The minimum quantity of blocked out ore is 15,000 tons, and the average estimates of blocked out ore range between twenty five thousand and fifty thousand tons.
12. The grade of the blocked out ore will go over ten pounds per ton.
13. The quantity of probable ore is over 50,000 tons.
the quantity of possible ore is over 100,000 tons.
14. The grade of the presumptive ore will be between four and twenty pounds per ton.
15. Home Made Pipe Retorts.
16. The ore can be concentrated, and therefore a flow sheet should be provided for operations on scale of 150 tons a day or more. The ore should be crushed first to two or two and half inch cubes, and then crushed either through the rolls or in the Ainsa mills through 20 Mesh, and first jigged with the fines floated. and the concentrates then retorted in the Lacy Rotary Furnace provide with calcining chambers and water towers.
The ore is very amenable to the proposed leaching and precipitation of mercury without application of usual heat.
17. There is a main tunnel across the sedimentaries about 300 feet, with drifts northwesterly and southeasterly over a distance of between five hundred fifty and six hundred feet with extensions northwesterly since 1930. There are a good many raises, and chutes, etc. The workings on the north dip or incline about five degrees down, etc. The total aggregate of development work is over 1000 feet in very disseminated fissured stockworks of cinnabars and allied minerals.

There are old upper workings, one or two tunnels and one winze connecting with the lower tunnel.

18. There are over 1,000 feet of development work expressed in feet, but exposing more cinnabar ground than in usual development work, as the formations are very wide, ranging in width from at least 20 feet to one hundred feet, with the remainder not sampled.
19. There is now about 2500 tons of broken ore in the stopes, or more,
20. There is a very small quantity of ore on the dumps, say about 500 tons that will go about 4 to 10 lbs. per ton.
21. None for surface power shovelling is available.
22. All estimates made in Item 11, and Item 13 is available for underground power shovelling.
23. There is water at the bottom of the inclines, about 20 feet below the main tunnel floor, and about 50 feet above main valley floor adjoining the mines and about 250 feet above the rim of the Humboldt sink, about 4 miles southwesterly.

It is possible the water developed may aggregate 100 G.P.M. Besides shallow water wells drilled a quarter of mile away, 100 feet will develop at least 1000 G.P.M.

24. None.
Camp to house 25 men should be built.
25. None on the property.
26. Home made pipe Retorts that belong to Mr. G. W. Crawford.
27. One flask every 4 days.
28. 150 tons a day for concentrating before retorting or leaching directly without concentrating.
29. Over roads from Lovelock.
30. On basis of 150 tons a day. 50 cents a ton.
31. If milled directly for roasting without concentrating on basis of 50 tons a day. \$1.00 a day. Total \$1.50 a ton.
32. If concentrated and burned, then 50 cents a ton. Total \$1.00 a ton
33. Total cost by wet method under 75 cents a ton.
34. About \$7.50 by express to New York. By freight. \$3.00. Total hauling and selling \$10.00 a flask.

✓
 22. *note* ~~REMITTING END~~ ~~REMITTING \$10.00~~ ~~IN LIVER.~~
 FROM \$1.20 BY EXPRESS TO NEW YORK. BY TELETYPE. \$2.00. TOTAL
 22. TOTAL COST BY MET METHOD UNDER 12 CENTS A MIN.

20 fona e qal. 21:00 e qal. 22:00 e qal. 23:00 e qal.

20* ON PRIZE OF 120 POUNDS & 982* 20 CENTS & FOW*

qtl6c fjl mlfponf concenflerflng.

SECRET

SP. none on the beach.

ST • HOME •

BEARING APPROXIMATELY NORTH-NORTHWEST AND DISTANCE OF THE SAME, TOO LONG
IF THE BEARING FOR THE SAME IS CORRECTED AND ESTIMATED TOO LONG.

The main tunnel took, and about 20 feet above main level took
there is water at the bottom of the tunnels, about 50 feet below

52. There is a copy of the report of the findings, dated 30 June 1968, from

BLONCO BOMER SINGLES.

88. VII estimates made to the U.S. and from 1972 estimates for 1973.

ST. HOME FOR GIRLS BOXED. APPROXIMATELY 75000000.

come from all to whom it is due. And for the

SO. There is a small amount of ore on the ground, and about 200

18. There is now about 2200 tons of broken ore in the area of mine.

Leaf to one hundred leaf, with the remainder not numbered.

us pre construction and held up to construction with the low of tenor so
and existing more construction. Closing from in general. General construction work.

18. There are over 1,000 leaf of destruction work expressed in leaf.

MT FU FUG TOMEZ ENHUEJ.

juste wie oja pabel molkinga' one of two connects and the other connecting

35. The cost depends on contents of mercury recovered, but can be approximated. Assuming combined mining and recovery costs as in Item 32, namely \$1.00 a ton, then on basis of

Four pounds a ton,	total cost is	\$19.00	plus \$10.00	Total	\$29.00
Five pounds a ton.	total cost is	\$25.20	a flask.		
Six pounds a ton	" " "	\$22.60	a flask		
Seven pounds a ton	" " "	\$22.60	a flask		
Eight lbs. a ton.	" " "	\$19.60	a flask		
Nine lbs.	" " "	\$18.50	" "		
Ten lbs.	" " "	\$17.70	" "		
15 lbs.	" " "	\$15.00	" "		
20 lbs.	" " "	\$13.75	" "		

36. The price of the property is \$15,000. ALL CASH.

39. There is more developed ore in this mine with good values than in any other mine examined so far.