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R e p o r t

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B R O K E N H I L L S P R O P E R T Y

Broken Hills - Churchill County,

N e v a d a

Examination: March 17, 1915.
Report: March 20, 1915.
By: W.H. SIRDENVAN.

R e p o r t

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T H E B R O K E N H I L L S P R O P E R T Y

This property was examined in May 1913, a short time after its discovery, and visited again in June, July, and September of the same year. See these reports for a sketch map of the claims, and for the results of samples taken on these occasions.

Since my last examination the following development work has been done: Most of the drifting on the fifty foot level; the underhand stopes along the surface outcrop; the main shaft continued to a depth of one hundred feet, and about 100 feet of drifting on this level.

Above the fifty-foot level and especially near the surface - the ore is thoroughly oxidized and no sulphides remain. Oxidation is not complete on the 100-foot level, and residual cores of galena are found with an inch or more of carbonate ore encasing them. The silver occurs chiefly in the chloride form, but some native silver has been recovered by the owners of the property when panning rich streks.

The country rock was called rhyolite in my earlier report, but a closer examination of the less altered rock found in depth suggests that it is probably andesitic, with numerous feldspars bleached white, and occasional quartz grains.

The accompanying map shows a plan/ longitudinal section of the workings, and sampling results.

Cost of Shipping and Treatment.

The ore is hauled to Hazen via Fallon - a distance of fifty miles or more. Shipment is made from Hazen to the smelter at San Francisco or Salt Lake. The total cost for freight and treatment varies from \$25 to \$35 per ton. Hence - adding the cost of mining, and the careful sorting required - ore assaying less than about \$50 per ton cannot

be profitably handled. The present sampling indicates that there is a small tonnage of this high grade ore developed - chiefly on the fifty-foot level and above. On the 100-foot level - where some galena is found - the average grade of the ore is lower than above.

Terms

Total Price - \$75,000.00

Sixty days allowed for examination, then \$5000 cash; at the end of 9 months \$10,000, and balance at the end of a year. Ore shipped during development work to apply on the purchase price, and all equipment to be left on the property.

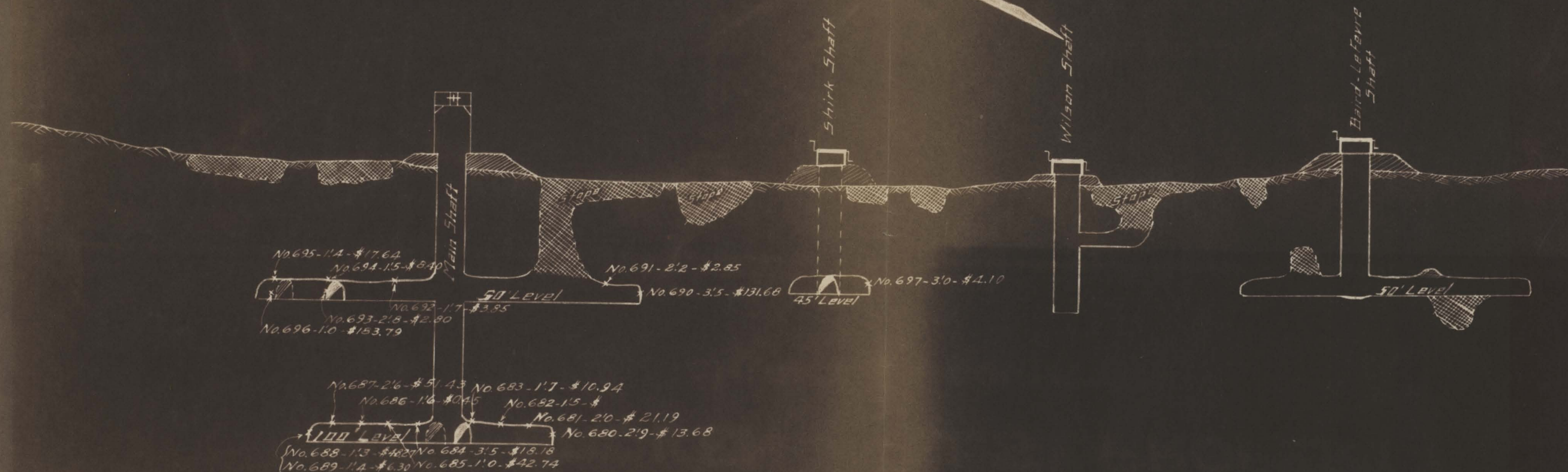
Conclusions

Ore - smelting character - must be shipped for treatment.

Prospects for very small tonnage of the high grade shipping ore.

The terms as given above are unfavorable for this prospect.

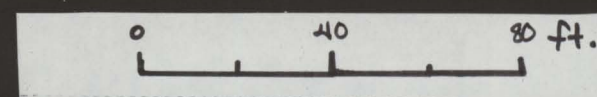
Not recommended.

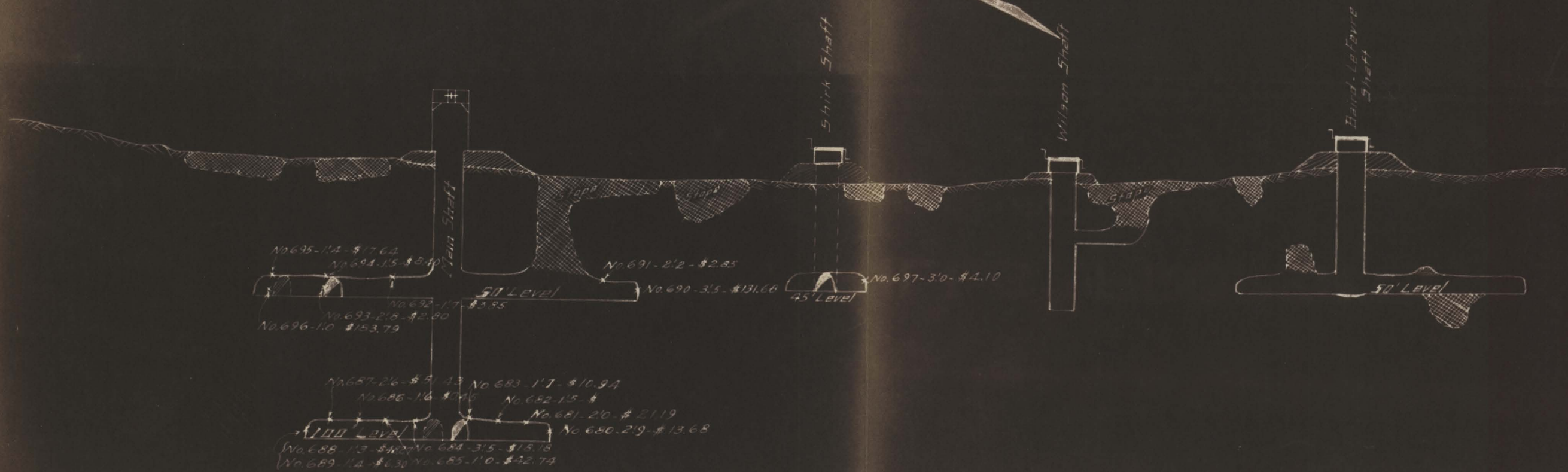


LONGITUDINAL PROJECTION 1"=40'

BROKEN HILLS PROPERTY

CHURCHILL COUNTY-NEV.





BROKEN HILLS PROPERTY

CHURCHILL COUNTY-NEV.

0 40 80 ft.