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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LEADVILLE MINE

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 18

LOCATION: TOWNSHIP 17 S RANGE 31 E SECTION 19 QUARTER SW  
LATITUDE: N 31DEG 55MIN 52SEC LONGITUDE: W 109DEG 13MIN 00SEC  
TOPO MAP NAME: PORTAL - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD  
SILVER  
COPPER OXIDE  
COPPER SULFIDE  
TUNGSTEN

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 53  
ADMMR LEADVILLE MINE FILE  
ADMMR CALIFORNIA MINING DISTRICT FILE  
USBM RI 5650, P. 14  
USGS BULL. 530, P. 131  
AZBM BULL. 129, P. 73

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Leadville Mine Date Sept. 14, 1960  
District California (Chiricahua) District - Cochise Co Engineer Axel L. Johnson  
Subject: Field Engineers Report. Information from William W. Sanders - Portal, Arizona

Location: About  $\frac{1}{2}$  mile northwest of Paradise.

Number of Claims: 10 patented claims, patented in 1908

Owner: William W. Sanders - Portal, Arizona

Principal Minerals: Lead and silver

Present Mining Activity: Mine is closed down. No work has been done for 3 years.

Proposed Plans: Mr. Sanders would like to lease the property. He states that he will lease at 10% straight royalty or at 10% royalty with option to buy.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Leadville Mine

Date June 7, 1957

District California (Chiricahua) Dist., Cochise Co. Engineer Axel L. Johnson

Subject: Field Engineers Report. Personal Visit and Information from William W. Sanders.

Location About 1/2 mile NW of Paradise.

Number of Claims 7 1/2 patented claims.

Owner William W. Sanders, Portal, Ariz.

Operator Same as above. Has partner, who works on profit sharing basis.

Principal Minerals Lead and Silver.

Present Mining Activity Mining lead ore.

Geology and Mineralization Fissure veins in limestone, with additional ore shoots in the limestone. Granite porphyry on both sides of the limestone. Vein being worked is about 18 inches wide, with a strike of N 45 deg. W, and a dip of 60 deg. SW. In addition, a pipe of ore has been worked, which was from 1 1/2 ft. ~~wide~~ to 4 1/2 ft. wide, from 6 to 8 ft. high, and dipping about 45 degrees. Bottom of the pipe has not, as yet, been reached. Ore is mostly sulphides, with some anglesite and cerussite.

Ore Values Last carload of ore shipped ran 23.6 % lead, 2.1 oz. of silver, with no gold or zinc.

Ore in sight and probable operations are conducted. Very little ore in sight. Ore is developed while mining operations are conducted. Fissures are narrow and ore shoots small. Operators are frequently running into some old mine workings and caved out stopes of past operations.

Milling and Marketing Facilities No mill on the property. Ore is shipped direct to the smelter.

Past History and Production.

- (1) Mine worked by G. A. Walker from 1887 to 1896. Mr. Walker is reported as having shipped 26 cars of ore, and to have sunk the two old shafts now found on the property. Mr. Walker is reported as having closed down his operations in 1896.
- (2) William W. Sanders, present owner, worked the property in 1948 and 1949 and shipped 7 cars of ore.
- (3) Leasers of the property shipped 2 cars of ore in 1950.
- (4) Mr. Sanders again worked the property in 1951, shipping 1 carload of ore.
- (5) Mr. Sanders, after letting the mine lie idle for 5 years, again resumed work on the mine in June, 1956, and shipped 1 carload of ore ~~Mar.~~ Mar. 11, 1957.

Old Mine Workings & condition. (1) Old shaft (incl) ---90 ft. deep --- caved in.  
(2) Old shaft (incl 60 deg) with old levels every 40 ft. and a number of worked out stopes. This shaft is reported to have been about 200ft. deep. It has been repaired and retimbered by Mr. Sanders to a depth of 80 ft. and Mr. Sanders is conducting mining operations on the 80 ft. level.

Present Mining Operations Ore being mined on the 80 ft. level of the shaft by Mr. Sanders, mining the ore pillars which were left by the former operators. Mr. Sanders started working in June, 1956, first repairing the old shaft to the 80 ft. level, then driving 75 ft. of drift, and then started stoping ore this spring. One car of ore shipped in March, and now has 30 tons in the ore bin for future shipment.

STATUS OF DORMANT MINES

MINE NAME: Paradise Group, Leadville, Mine

LOCATION: Twp 12 S. Sec's 19 + 24 - R 31 E

OWNER AND/OR LEASEE: W.W. SANDERS, owner

ADDRESS: Portal, Ariz., Cochise, Co;

APPROXIMATE PRODUCTION (Year of 1945): None

COPPER 0 Lbs. LEAD 0 Lbs.

ZINC 0 Lbs. (OTHER) 0

CHECK THE CHIEF CAUSE OF YOUR DISCONTINUED PRODUCTION:

- (A) Easily available ore worked out.
- (B) Increased costs, but have quantity similar to past grade of ore.
- (C) Too close a margin to develop more ore.
- (D) \_\_\_\_\_

1947  
TO  
1949, INC

If you have ore ready to mine please give your estimate of the amount of metal (name each metal) that you could produce in one year (after allowing 60 days to get started) if there were premiums above present market prices. Name amount with a low premium, and amount at a high premium; such as:

Copper at 22½¢ plus 5¢ premium..... 1,000,000 Lbs.  
Copper at 22½¢ plus 10¢ premium..... 1,500,000 Lbs.

Lead - Silver - And some  
COPPER CAN be Produced

If you do not have ore ready to mine please discuss the following:

- (A) Do you think a reasonable development program would produce a justified tonnage of commercial ore at above mine?

i believe A small Production  
mine can be developed

- (B) With a premium price (guaranteed for one year) could you carry out such a development program yourself? What premium?

i Am Not Shure About one  
Year Time ON Production

- (C) If you could not do this yourself, would a quick drilling program by some government agency (at government expense) be sufficient?

I BELIEVE IT CAN BE PROVEN  
OUT AT A VERY REASONABLE COST

- (D) Or would you prefer a loan plan similar to the arrangements during World War II?

I DO NOT HAVE A CLEAR  
UNDERSTANDING ON THIS MATTER

How about a combination plan in two stages such as follows?

Stage 1: Government engineers review project and, if a little drilling appears to be justified and a preliminary key to the situation, such drilling program to be agreed upon by owner and government engineer, paid for by the government, but let by contract.

Stage 2: If results of drilling (or without drilling) justify underground development and/or production equipment, same to be obtainable via a mortgage loan on property.

Please discuss the above: I SHOULD LIKE TO HAVE

AN ENGINEER, TO HAVE A LOOK AT MY  
PROPERTY IN MY PRESENCE, SO AS TO  
HAVE A PERSONAL CONTACT, AND  
AN UNDERSTANDING, OF THE OBLIGATIONS  
OF ME, AS TO AN EXAMINATION OF  
MY PROPERTY BEFORE ANY PROCEDURE.

SUGGESTIONS:

I BELIEVE MY PROPERTY HAS BETTER THAN  
AN AVERAGE OPPORTUNITY TO DEVELOPE IN-  
TO, A SMALL PRODUCER OF A GOOD GRADE  
LEAD SILVER ORE. SUCH AS I HAVE - ALREADY MINED

DATE

8-19-50

SIGNATURE

U.W. Sanders

LEADVILLE MINE

COCHISE COUNTY

Mr. W. W. Sanders, Portal - informed me that he does not plan to reopen the Leadville Mine at Paradise, but is looking for someone to lease it. ALJ WR 6-8-64

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MG WR 3/7/80: Drove to Paradise, Arizona. There is no activity at Leadville Mine, Cochise County.

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LEADVILLE MINE

COCHISE COUNTY

RI 5650 p. 14

USGS Bull. 530 p. 131

ABM # 129 p. 73

See: ~~Eagle Picher Confidential Files "I" also see~~  
California Mining District report in "C"

Now in California Mining District file in the District File

# ABM B.W. 137, p. 51

Cardin, Oklahoma

May 12, 1966

D. C. Brockie - Geological Department

R. D. Andersen - Geological Department

Dear Doug:

On the 15 and 16 of April 1966, I was accompanied by Henry A. Riddle of 1010 West Pine Street, Deming, New Mexico on an examination of his mining properties in Cochise County, Arizona. This property consists of nine claims located in Sections 19 and 20, T17S, R31E, Cochise County, Arizona. Mr. Riddle's son-in-law has four adjoining claims located in Section 19, T17S, R31E, Cochise County, Arizona. These claims, all unpatented, are on the North-East Flank of the Chiricahua Mountains, in the California (Chiricahua) Mining District and all within the boundaries of the Coronado National Forest.

The property is reached by driving 3.8 miles west-northwest from Portal, Arizona. This road enters the Coronado National Forest after 2.0 miles and is marked as Forest Service Road 42-B, which is also called Paradise Road, and leads to Paradise Rustler Park. After driving 3.8 miles on this road you turn right or north off the road along truck trail for 0.6 miles. This road enters the property by way of the Number 1 Claim of Mr. Riddle. These claims are  $\pm$  24 miles south of the nearest railroad, the Southern Pacific, located at San Simon, Arizona. The old route of the Southern Pacific through Rodeo, New Mexico has been abandoned; the tracks and ties removed.

These claims are located on the south-southwest slope of Harris Mountain of the Chiricahua Mountain, at an elevation of approximately 5800 feet. The total claim area is generally readily accessible for drilling and 4-wheel drive vehicles. The main shaft,  $\pm$  42 feet deep, was not examined because of bad collar conditions. Two old adits and numerous old caved pits and trenches were observed and sampled. No maps of this area were available at the time of my visit, hence many of the locations sampled are not very accurately tied down. In fact, the location of the property was never revealed by Mr. Minestrella, mainly because he did not know himself until two days before I arrived. The rough map of the property must be considered as being rough, as you could not see from one location to the next because of the local relief.

The main vein and/or fault filling is 9 feet wide at the shaft location. This shaft is 7 x 7 feet in plan and is  $\pm$  42 feet deep. It is reported by Mr. Riddle that the shaft is still in the vein at the bottom. At this location ~~see map~~, the vein strikes N65°W with an 88° dip N25°E. The shaft itself was sunk on the granite or uphill side from the vein and intersected the vein

approximately 5 feet down. The vein itself was not accessible but the dump material reportedly from the bottom was sampled. This vein continued outcropping for approximately 80 feet along the strike to the northwest where it was again sampled. Along the strike about 30 feet from the shaft a 47 foot drift,  $4\frac{1}{2} \times 4\frac{1}{2}$  feet, extends along the vein. It was again sampled here. This old adit drift was reportedly excavated by the early Spainards in search of hi-grade silver. In some locations the vein cuts through the limestone, shales and sandstones. In other locations you have a contact metamorphic display with granite on the one side with limestone, shale and sandstone on the other. Most of the sediments are of lower Cretaceous Age; however, due to faulting they may be Permian. Most of the granite and other intrusive crystalline rocks are thought to be of Upper Cretaceous Age. Other rocks in the immediate area vary in age from Precambrian to Tertiary in Age. In some localities the limes, shales and sandstones have been metamorphosed with resulting phyllites, schists and quartzites.

The ore itself consists of lead, zinc, copper and a little silver. The copper occurs as chalcopyrite, malachite, azurite and a little turquoise. On the outcrop the carbonates of copper prevail, and the material from the shaft bottom was mainly carbonates; however, this dump material has been exposed on the surface for fifteen years. The lead and zinc appeared as sulphides but this was not verified by assay, as was the copper.

Another outcrop which appears to be on the same vein with only slight variations in strike and dip showed galena crystals disseminated in the partly silicified limestone. Yet another old dump roughly on this same trend showed mineralization of the same or similar characteristics. Numerous other old pits, trenches and dumps seem to indicate a trend roughly the same as the shaft vein, although three different veins are visible within 50 feet uphill from the shaft.

Downhill from the shaft vein and to the west numerous dumps and pits are visible. This outcrop indicates a similar strike but with a dip to the southwest, just opposite those above the shaft. Mr. Riddle worked one 4-foot-wide vein in 1951. The ore was stockpiled near the site and never shipped.

South and East of the shaft there is another old adit into the hillside. Little ore appeared in or around the collar; however, its bearing is such as to intersect the veins above it at almost a right angle. This drift measures 4 feet wide by 6 feet high.

These Riddle Claims have been held by Mr. Riddle for about twenty years. The shaft was sunk as assessment work in 1951; however, due to illness he never got started on drifting and actual production. Mr. Riddle owns the El Rancho Motel in Deming, New Mexico, as well as several cattle ranches in the area. He appears to be in a financial position to hold his property for a favorable offer by a company who intends to mine it in the present day. He has turned down offers from several small operators because of his fear that they would hi-grade the mine, leaving it in too poor a shape for a larger company to even consider it.

5/12/66

He stated to me that Anaconda Copper wanted the property, but he refused because of their past practice of just sitting on them with no production.

Duval Sulpher was sent some samples and their assay is as follows:

Cu	8.08%	Au	.006 ozs/ton
Pb	3.30%	Ag	1.50 ozs/ton.
Zn	1.6%		

Their interest is mainly through a personal friendship of Mr. Riddle and an Engineer from the Duval Company.

Also, another company has been nosing around the area. They are reportedly from Grand Junction, Colorado, and may be associated with Charlie Steen, as he has had a man at the Upton property as well as other camps in the area.

Although some of the samples are of lower grade, several are of good copper, as well as lead and zinc, and a little silver. The samples taken were from exposed veins which have been leached to a certain extent, and the vein material could easily be of higher grade at a little depth. I feel that this property has more merit than many and would be deserving of a more detailed look.

From all reports from Riddle and Minestrella, we could have this property if we want it.

In order to do a reasonably good examination of this property a survey crew would be needed, as well as a detailed geologic mapping and sampling program.

Very truly yours,

R. D. Andersen

RDA:cmc

ASSAY RESULTS

Riddle Property, Cochise County, Arizona

<u>Sample Number</u>	<u>% S.PB</u>	<u>% N.S. Pb</u>	<u>% Total Pb</u>	<u>% S.Zn</u>	<u>% N.S.Zn</u>	<u>% Total Zn</u>	<u>% S.Cu</u>	<u>% N.S.Cu</u>	<u>% Total Cu</u>
X-5053	-	-	0.20	-	-	0.30	0.55	4.00	4.55
X-5054	0.60	2.20	2.80	0.60	0.40	1.00	0.40	0.50	0.90
X-5055	-	-	0.20	-	-	0.30	0.45	0.25	0.70
X-5056	0.21	0.44	0.65	0.80	5.00	5.80	0.40	0.40	0.80
X-5057	-	-	0.20	-	-	Nil	0.10	0.10	0.20
X-5058	1.53	1.07	2.60	0.36	1.14	1.50	0.90	0.50	1.40
X-5059	-	-	0.30	-	-	0.20	0.55	Nil	0.55
X-5060	-	-	0.50	-	-	0.20	0.30	0.15	0.45
X-5061	1.84	0.06	1.90	1.02	0.18	1.20	0.45	0.10	0.55
X-5062	-	-	0.30	-	-	Nil	0.10	0.15	0.25
X-5063	-	-	0.20	-	-	Nil	0.15	0.55	0.70
X-5064	0.20	0.50	0.70	0.64	1.26	1.90	0.45	4.10	4.55

S. = Sulphide Ore

N.S. = Non Sulphide Ore

- = Not assayed for Sulphide & Non-Sulphide separately.

R. D. Andersen