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Arizona Department of Mines and Mineral Resources Mining Collection

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07/16/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: CLEVELAND-CHICAGO GROUP

ALTERNATE NAMES:

NEW CLEVELAND
BIG JIM
HOPE
RUBY NO. 1 & 2

YUMA COUNTY MILS NUMBER: 16

LOCATION: TOWNSHIP 4 S RANGE 18 W SECTION 30 QUARTER SW
LATITUDE: N DEG MIN SEC LONGITUDE: W DEG MIN SEC
TOPO MAP NAME: CASTLE DOME MTNS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD
SILVER
ZINC
COPPER
GOLD
FLUORINE FLUORITE

BIBLIOGRAPHY:

KEITH, S.B., 1978, AZBM BULL. 192, P. 119
ADDITIONAL WORKINGS SEC. 31-NW
WILSON, E.D. AZBM BULL. 134, P 101
WILSON, E.D. AZBM BULL. 156, P 98, 115
ADMMR CLEVELAND-CHICAGO MINE FILE
ADMMR "U" FILE, Pb
AZBM BULL. 158, P 112

RUBY CLAIMS

YUMA COUNTY

ABM Bull. 134 p. 102

ABM # 158 p. 111

Arizona Mineral Commodity Update on Zinc, dated 11-3-77, by D.D. Rabb, Bureau of Geology and Mineral Technology. (filed in Zinc commodity file)

Microfilm card labeled Cleveland - Chicago Group

ABM BUL. 192 p. 119

MILS Sheet sequence number 0040270032 (Cleveland-Chicago)

MAPS - Upstairs in the ABM rolled file boxes - see both Cleveland-Chicago and the Ruby Mine - all underground workings (same as microfile card - see above)

RUBY GROUP

MINES

YUMA COUNTY
CASTLE DOME DIST.

Visit and Conference with Mr. Larry Keeling of the K & W Mining and Milling Co.,
Box 2203, Martinez Lake 10/6/65.

The mine is idle for the present but it is hoped that they (James Wright and he)
will start soon. They are awaiting results on a shipment of concentrates.
Keeling meanwhile, up to a few days ago, had been helping Lyman Wall at the Linda
Wall is now working on a canal job near Winterhaven, California, so that the Linda
is down temporarily.

Memo Las 10/6/65

ABM Bull. 134, p. 102
" " 158, p. 111

RUBY GROUP (Ruby 1 is the old Cleveland and Ruby 2 was the Chicago) YUMA COUNTY
Castle Dome Dist.

Visit and conference with Childress and Chas. W. Wright 6-2-65.

These men stated that they had leased the Ruby Claims, parts of the Sonora, Hull, Rialto and Mabel Claims, and they own the Silver Dome, Silver Prince, Spar Queen, Silver Star, Apache J (old Hork) and some others. All together, they have leased or own 22 claims (several of which are controlled by Childress (5)). A survey has recently been made and a copy of this will be furnished to us.

The mill, so far, has been operated entirely on retreated dump material that is estimated to assay about 10-12 percent lead and 6-7 ounces of silver to the ton. 60 tons of concentrates have been produced in the past 6 months. The concentrates (smelter returns) average 46-50 percent lead and 17 ounces of silver to the ton. The last 19 ton lot is said to run somewhat higher (returns not in). Two concentrate products are now made. The higher grade one is shipped directly but the finer-sized midling is being rerun to further refine it.

Meanwhile, they are driving an adit that is calculated to hit the principal vein at a depth of about 40 feet. Old workings now consist of two shallow shafts (30-40 feet deep) that were connected by a stope that reached the surface in a couple of places. These workings are in poor condition. The vein follows the crest of a sharp-narrow ridge and when contacted, a drift will be driven south-eastward. This should gain depth rapidly as the ridge also rapidly gains elevation to the southeast. The vein structure is traceable for a few hundred feet in that direction. Parts of four other veins have been located in a schist zone that is possibly 75-100 feet wide. This zone is bordered on the southwest by a diorite porphyry dike and in places by a narrow rhyolite porphyry dike the locally invades the diorite-schist contact. The mineralized zone, as defined by a series of short shafts and cuts, appears to continue for several hundred feet to the NW. A detailed geological map is to be made, in the near future, if everything follows schedule. The area being worked, at present, is south of the mill.

Charles W. Childress address is Gen'l Delivery, Yuma.

James Wright's present address is P.O. Box 2203, Martinez Lake.

MEMO LAS 6-2-65

Wright stated that he and Ted Buder and Larry Keeling had leased the Ruby claims and controlled by ownership or lease the Silver Dome, Silver Prince, Spar Queen, Silver Star, Apache J (old Hork) and several others. They laid out some new claims making a total of 22 claims. A survey was recently made and a copy of this will be furnished to us. Childress has 5 claims SE of the Linda and was employed at the mill. The Ruby claims are owned by Mrs. Mayhew, 121 10th St., Yuma. The present group is the K.W. Mining & Milling Co., P.O. Box 2203, Martinez Lake, Arizona.

Visit and Conference with Chas. W. Childress & James L. Wright - 6-2-65

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date June 16 1965

- 1. Mine: RUBY # 2 (Old Cleveland and Chicago claim's)
- 2. Location: Sec 30&31 Twp 45 Range 16N Nearest Town Yuma Distance 46 Mi
 Direction South Nearest R.R. Yuma Distance 46 Mi
 Road Conditions 9 Mi's Dirt road's 3.7 Mi's Hiway
- 3. Mining District and County: Castle Dome, Yuma
- 4. Former Name of Mine: Cleveland
- 5. Owner: Mrs Mayhew
 Address: 121 10 street Yuma Ariz
- 6. Operator's: Ted Buder James L Wright Larry Keeling
 Address: P.O. Box 2203 Martinez Lake Ariz
- 7. Principal Minerals: Lead and Sliver
- 8. Number of Claims: Lode 22 Patented 9 Unpatented 13
 Placer none Patented none Unpatented none
- 9. Type of Surrounding Terrain: Hilly schist and diorites dike's and some
 rhyolite dikes
- 10. Geology and Mineralization: Will be in map when finished and at that time We will
 forward you a copy

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
Mineral Building, Fairgrounds
PHOENIX, ARIZONA 85007

This was forwarded to K.W. Mining & Milling
Box 2203 - Martinez Lake, Arizona. (re
Ruby # 2)

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Do not remain in this envelope

K. W. MINING & MILLING
P O BOX 2203
MARTINEZ LAKE ARIZ



Mr. Gus Buder
Room 22, Castle Dome Hotel
Yuma, Arizona

rs
(over)

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- 11. Dimension and Value of Ore Body: included in the map

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

12. Ore "Blocked Out" or "in Sight":.....
.....
.....

Ore Probable:.....
.....
.....

13. Mine Workings—Amount and Condition:.....

No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply:.....
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15. Brief History:.....
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16. Remarks:..... Starting the first drift on proprty in 16 year's and as soon
as we get all the paper's and map's together We will send you a copy
.....
.....
.....

17. If Property for Sale, List Approximate Price and Terms:.....
.....

18. Signature: *James K. Wright & Larry Keeling*

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine RUBY CLAIMS, (RUBY No. 1 & No. 2)

Date 2/3/65

District YUMA COUNTY CASTLE DOME DIST.

Engineer Lewis A. Smith

Subject: Mine and Mill Visit 2/3/65 Conference with Gus Buder and James Wright.

LOCATION: 1½ mile SE of the Alto and NW of the Flora Temple (about ¾ mile)
(Flora Temple is approx. in S2-3, T5S, R19W) These claims probably are in S 3.
(The Sonora also is nearby).

OWNER: ^{Lessee} Castle Dome Mining Co., Room 222, San Carlos Hotel, Yuma/ Gus Buder,
Ted Buder, and Phillip Kennedy are the principals.

PROPERTY: 2 Claims.

MILL: The mill consists of a 6x8 inch Jaw crusher, mixing tank, Rolls approx. 14x16 inch size, and a table (4x2). The mill will probably handle 50 tons per 24 hours or 16 tons per shift. According to James Wright, adequate water is believed to be available. The material, so far milled, is from old dumps nearby. Much of the coarser dump material is removed by screening before being crushed. Wright also estimated that the head material would run 7-10 percent lead and contained good silver. Two small concentrate shipments were recently made to El Paso but the returns are not yet in. (The few remaining concentrates look fairly clean and were made up of galena, cerussite and probably cerargyrite. Some lead-oxide was seen but was mixed with "sintered" limonite that is derived from cerussite).

WORK: Little is now known about the old workings NW and SE of the mill and no underground work has yet been done. The old workings would require considerable repairs.

GEOLOGY: According to Eldred Wilson (Arizona Bur. Mines Bul 134 pp92-95, and Bul 158, pp 107-109) the area near the mine is occupied by steeply dipping dense gray shale alternating with diorite porphyry or rhyolite porphyry dikes, the diorite porphyry being more prevalent. The veins generally strike N 20-40 deg. W crosscutting the country rock whose alternating bands generally trend NE-SW. The Castle Dome area has considerable fluorite and calcite (brownish to blackish) associated, either directly or indirectly, with the ore, and according to Lyman Wall, the calcite, in some places appears to be more closely associated with the ore than is the fluorite, but in others the fluorite is best. The ore, in the veins, seldom persists to deeper than 300-350 feet in this District. The diorite porphyry is severely shattered next to the vein fractures and is often more apt to carry ore zones than the other rocks. The galena locally may be converted to dark gray or near black anglesite, that sometimes replaces the galena pseudomorphically. The galena anglesite and cerussite (white) commonly have a coat of red lead oxide. The veins range from a few inches to 10 feet, but averages less than 5 feet. The fluorite is white, pale green, purple or rose colored, and occurs as masses and crystals ranging from minus to 1 inch to several inches in diameter. Barite and calcite (banded) are also associates of the ore. Barite is later than the fluorite. Sometimes the veins are banded with layers of calcite, fluorite and barite, in which case the fluorite may contain much of the galena. From an inspection of the old dumps on the Ruby claims, the ore would appear to compare with that found in the Sonora Mine as to mineralogical associations.

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15. Brief History:

16. Remarks: Starting the first drift on property in 16 year's and as soon as we get all the paper's and map's together We will send you a copy

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18. Signature: *James K. Wright & Larry Keeling*