



## **CONTACT INFORMATION**

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LITTLE JOSEPH

ALTERNATE NAMES:

PATENTED CLAIMS MS 1832  
COLUMBIA GOLD MINING PROPERTY  
LITTLE JOSEPH  
COLUMBIA GROUP

YAVAPAI COUNTY MILS NUMBER: 914D

LOCATION: TOWNSHIP 8 N RANGE 1 E SECTION 7 QUARTER W2  
LATITUDE: N 34DEG 03MIN 35SEC LONGITUDE: W 112DEG 17MIN 59SEC  
TOPO MAP NAME: COLUMBIA - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD  
SILVER

BIBLIOGRAPHY:

USGS COLUMBIA QUAD  
BLM MINING DISTRICT SHEET 3  
ADMMR LITTLE JOSEPH MINE FILE  
CLAIMS EXTEND INTO SEC. 7  
AZBM BULL. 137, P. 60

- REFERENCE 1 F1 < ABGMT CLIPPINGS F >
- REFERENCE 2 F2 < AZ DEPT OF MIN RESOURCES FILE DATA >
- REFERENCE 3 F3 < ABGMT - USBM FILE DATA >
- REFERENCE 4 F4 < USGS BULL 782, p. 178-179 >

**U.S. CRIB-SITE FORM**  
**RECORD IDENTIFICATION**

RECORD NUMBER B10 < \_\_\_\_\_ >      RECORD TYPE B20 < X, 1, M, >      DEPOSIT NUMBER B40 < \_\_\_\_\_ >  
 REPORT DATE G1 < 8, 1, 8, 0, 9, >      INFORMATION SOURCE B30 < 1, 2, >      FILE LINK IDENT. B50 < USBM 004 025 1298 >  
 YR. MO  
 REPORTER(SUPERVISOR) G2 < DEWITT, ED. H. >      (last, first, middle initial)      (last, first, middle initial)  
 REPORTER AFFILIATION G5 < ABGMT >      SITE NAME A10 < LITTLE JOSEPH MINE >  
 SYNONYMS A11 < LITTLE JOE, ACQUISITION (?), COLUMBIA GOLD MINING PROPERTY >

**LOCATION**

MINING DISTRICT/AREA A30 < HUMBUG DISTRICT >  
 COUNTY A60 < YAVAPAI >      STATE A80 < AZ >      COUNTRY A40 < U.S. >  
 PHYSIOGRAPHIC PROV A63 < 1, 2, >  
 DRAINAGE AREA A62 < 1, 5, 0, 7, 0, 1, 0, 2, >  
 QUADRANGLE NAME A90 < COLUMBIA >      LAND STATUS A64 < 0, 0, >  
 SECOND QUAD NAME A92 < (, 1, 9, 6, 9, ) >      QUADRANGLE SCALE A100 < 24, 0, 0, 0, >  
 ELEVATION A107 < 3300, 0, FT. >      SECOND QUAD SCALE A91 < \_\_\_\_\_ >

UTM  
 NORTHING A120 < 3, 7, 6, 8, 4, 3, 0, >  
 EASTING A130 < 3, 8, 0, 0, 6, 0, >  
 ZONE NUMBER A110 < +, 1, 2, >

\*ACCURACY  
 ACCURATE ACC (circle)      ESTIMATED EST < \_\_\_\_\_ >

GEODETIC  
 LATITUDE A70 < \_\_\_\_\_ N. >  
 LONGITUDE A80 < \_\_\_\_\_ W. >

CADASTRAL  
 TOWNSHIP(S) A77 < 0, 0, 8, N. >      RANGE(S) A78 < 0, 0, 1, E. >  
 SECTION(S) A79 < 07 >  
 SECTION FRACTION(S) A76 < SE OF NW >  
 MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 10.5 MILES WEST-SOUTHWEST OF BLACK CANYON CITY, ARIZONA >  
 LOCATION COMMENTS A83 < 1.5 MILES EAST OF OLD SITE OF HUMBUG >

\* ESSENTIAL INFORMATION  
 + ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

\*COMMODITIES PRESENT C10 <A.U. W.A.G. U.P.B. ...>
\*ORE MINERALS C30 <GOLD, AUERFEROUS ...>
COMMODITY SUBTYPES C41 <...>
\*GEN. ANALYTICAL DATA C43 <...>
COM. INFO. COMMENTS C60 <...>

\*SIGNIFICANCE

MAJOR PRODUCTS MAJOR <A.U. W.A.G. U.P.B. ...>
MINOR PRODUCTS MINOR <P.B. ...>
POTENTIAL PRODUCTS POTEN <...>
OCCURRENCES OCCUR <...>

\*PRODUCTION

PRODUCTION (YES) (circle) PRODUCTION SIZE (SMALL) (circle one)
NON-PRODUCER PRODUCTION UND NO (circle one)

\*STATUS

EXPLORATION OR DEVELOPMENT
PRODUCER STATUS AND ACTIVITY A20 <4>
NON-PRODUCER STATUS AND ACTIVITY A20 <...>

DISCOVERER L20 <CHARLES CHAMBER>
\*YEAR OF DISCOVERY L10 <1886> \*NATURE OF DISCOVERY L30 <B> \*YEAR OF FIRST PRODUCTION L40 <1890(?)> \*YEAR OF LAST PRODUCTION L45 <1939>
PRESENT/LAST OWNER A12 <STOCKDALE AND STIVERS>
PRESENT/LAST OPERATOR A13 <...>
EXPL./DEV.COMMENTS L110 <...>

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 <VEIN>
DEPOSIT FORM/SHAPE M10 <TABULAR>
DEPTH TO TOP M20 <...> \*UNITS M21 <...> \*MAXIMUM LENGTH M40 <700> \*UNITS M41 <FT>
DEPTH TO BOTTOM M30 <500> \*UNITS M31 <FT> \*MAXIMUM WIDTH M50 <400> \*UNITS M51 <FT>
DEPOSIT SIZE M15 <SMALL> M15 <MEDIUM> M15 <LARGE> (circle one) \*MAXIMUM THICKNESS M60 <3> \*UNITS M61 <FT>
STRIKE M70 <N 40 E> \*DIP M80 <70 TO 80 NW>
DIRECTION OF PLUNGE M100 <...> \*PLUNGE M90 <...>
\*REP. DESC. COMMENTS M110 <LITTLE JOSEPH CLAIM GROUP CONSISTS OF 4 PATENTED CLAIMS WHICH ARE IN MOUNTAIN CHIEF GROUP ON THE EAST>

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one) \*OVERALL LENGTH M190 <600> \*UNITS M191 <FT>
DEPTH BELOW SURFACE M160 <500> \*UNITS M161 <FT> \*OVERALL WIDTH M200 <10> \*UNITS M201 <FT>
LENGTH OF WORKINGS M170 <1500> \*UNITS M171 <FT> \*OVERALL AREA M210 <6000> \*UNITS M211 <SQ FT>
DESC. OF WORK. COM. M220 <...>

GEOLOGY

\*AGE OF HOST ROCK(S) K1 <P.R.O.T., T.E.R.T., U/PB ZIRCON AGE = 1720 MILLION YEARS; TERTIARY AGE PROBABLY PALEOCENE>
\*HOST ROCK TYPE(S) K1A <QUARTZ MONZONITE; RHYOLITE PORPHYRY>
\*AGE OF IGNEOUS ROCK(S) K2 <P.R.O.T., T.E.R.T., U/PB AS IN LINE K1>
\*IGNEOUS ROCK TYPE(S) K2A <QUARTZ MONZONITE; RHYOLITE PORPHYRY>
\*AGE OF MINERALIZATION K3 <C.R.E.T.-P.A.L.E.O.C.>
\*PERT. MINERALS (NOT ORE) K4 <QUARTZ PYRITE>
\*ORE CONTROL/LOCUS K5 <FAULTING, SHEARING>
\*MAJ. REG. TRENDS/STRUCT. N5 <FOLIATION IN PRECAMBRIAN XENOLITHS (QUARTZ-MICA SCHIST) TRENDS N40-E0 E>
\*TECTONIC SETTING N15 <...>
\*SIGNIFICANT LOCAL STRUCT. N70 <VEINS PARALLEL RHYOLITE PORPHYRY DIKES AND FOLIATION IN PRECAMBRIAN XENOLITHS>
\*SIGNIFICANT ALTERATION N75 <SERICITIZATION ADJACENT TO SOME DIKES>
\*PROCESS OF CONC./ENRICH. N80 <OXIDATION AT NEAR SURFACE>
\*FORMATION AGE N30 <...>
\*FORMATION NAME N30A <...>
SECOND FM AGE N35 <...>
SECOND FM NAME N35A <...>
\*IGNEOUS UNIT AGE N50 <P.R.O.T., U/PB ZIRCON AGE = 1720 MILLION YEARS>
\*IGNEOUS UNIT NAME N50A <CRAZY BASIN QUARTZ MONZONITE>
SECOND IG. UNIT AGE N55 <C.R.E.T.-P.A.L.E.O.C.>
SECOND IG. UNIT NAME N55A <RHYOLITE PORPHYRY DIKES>
\*GEOLOGY COMMENTS N85 <IDENTICAL TO GEOLOGY OF EL PEÑO BONITO DEPOSIT, EXCEPT NO RHYOLITE DIKES ON LITTLE JOSEPH PROPERTY.>

GENERAL COMMENTS

GENERAL COMMENTS GEN <...>

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

DATE  
ARIZONA

October 31-1940

Mine Little Joseph  
District Humbug  
Former name Columbia Gold Mining Co.

Location 4 miles from Tip Top mine  
from Columbia  
Yavapai County.

Owner Burger Kessler and Boyle

Address w 23 West Turney Ave.

Operator

Address

Phoenix, Arizona

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Gold and Silver

Men Employed

Production Rate

500 tons shipping grade

Mill: Type & Cap.

Power: Amt. & Type none

Operations: Present none

Operations Planned Open to lease and sale.

Number Claims, Title, etc. Four patented mining claims, originally surveyed 1903 title to Columbia Gold Mining Company reverted to original partners upon dissolution of corporation in 1934. Original owners and heirs present owners.

Description: Topog. & Geog. located 55 miles north of Phoenix 10 miles northwest of Agua Fria River- 4 miles west of Tip Top, at elevation of 2,300 feet. Veins exposed on steep hillside, of Rock Wall and Carpenter gulch draining into Humbug Creek, about 2 miles from Columbia.

Mine Workings: Amt. & Condition No. 1 tunnel 50 feet above canyon floor 600 feet long represents original workings, stoped to surface, No. 2 tunnel started in 1934 enters hill at canyon level, 550 feet long, and only partially stoped out. Timbers new and present workings in excellent condition for further operations.

1600 feet of used rail in place in tunnel and house on the property for sale by former lessee.

(over)

**Geology & Mineralization** Main vein of quartz average 36 inches in width, values customarily on hanging wall, mineralization varies from 3 to 16 inches in width. Conservative estimate of ore in place \$ 20.00 per ton. Average of smelter returns for the past six years show approximately .9 ounce of gold and 2 ounces of silver, per ton of shipping ore. Main vein can be traced for over 2,000 feet on surface and only one third of vein has been worked.

**Ore: Positive & Probable, Ore Dumps, Tailings**

Two hundred tons of ore of shipping grade available in No. 2 tunnel for stoping operations without development work. 150 tons of low grade ore on dumps, will average approximately \$ 7.00 per ton. Shallow shaft shows continuation of ore below water level and lower tunnel at greater width, with approximately same values.

**Mine, Mill Equipment & Flow Sheet**

none

**Road Conditions, Route** Black Highway Canyon to within 13 miles of the property, thence road to Tip Top, and the balance of 3 miles in fair condition, but steep in a few places. Road has been in continuous use since 1933.

**Water Supply**

Water level is 3 feet below bottom of lower tunnel, even during the middle of summer of 1940. Domestic water is available from adjacent mine, within 500 feet. Ample water can be developed for milling purposes.

**Brief History**

The property was originally operated prior to 1910 by packing ore to Columbia on burro's and run through stamp mill at that point. The property was idle from 1910 to 1934- Reopened by leasing, and under continual operation with a few minor shut downs until September 1940. Last operator gave up lease account ill health.

**Special Problems, Reports Filed**

Experienced miner can make this a profitable operation by sorting and shipping high grade ore, but to make it highly profitable the property requires a small mill, as the ore can be mined at a very low cost.

**Remarks**

**If property for sale: Price, terms and address to negotiate.**

Owners will sell for cash, or lease and bond upon satisfactory evidence of financial ability. Down payment required.

Signed.....

*Phil. C. Steinel*

Use additional sheets if necessary.

Phil. C. Steinel Agent,