3590 0004

S. of 336

Item 4

M 031240 LOCALITY INFORMATION

*RECORD NO. . . . . B10 < ~~D 001258~~ >

*DEPOSIT NAME . . A10 < Kolchek mine >

OWNER. . . . . A12 < >

*MINING DISTRICT . A30 < Cleve Creek (Kolchek) district >

*COUNTY . . . . . A40 < White Pine >

→QUAD . . . . . A90 < Connors Pass (1959) CAVE CREEK RES. (1981) >

→QUAD SCALE. . . A100 < 62500 24,000 >

*AMS SHEET. . . A92 < Ely NJ 11-3 (1956) >

*LAND STATUS. . . A64 < 41 >

→DEPOSIT TYPE. . . C40 < breccia fill; replacement >

HOST ROCK. GEN C21 < limestone >

HOST ROCK ERA. . C22 < Cambrian >

PRODUCTION (MS) . C23 < small 442 units WO_3 1946-1949, 1953 >

UTM PREFERRED

UTM NORTHING A120 < 4,3,4,6,3,1,0 >

UTM EASTING A130 < 2,7,0,4,8,0,0 >

UTM ZONE NO. A110 < +11 >

LATITUDE A70 < 3,9 - 1,4 - 3,0 > (DD MM SS N/S)

LONGITUDE A80 < 1,1,4 - 3,9 - 3,0 > (DDD MM SS E/W)

TOWNSHIP(S) A77 < 01,6,N >

RANGE(S) A78 < 06,5,E >

SECTION(S) A79 < 14,23 >

MERIDIAN(S) A81 < Mt. Diablo >

GENERAL COMMENTS GEN < The Kolchek mine was first operated in 1923 for gold ore. No further production until 1951-1952 with a few shipments of gold ore. In 1953 a tungsten ore body was discovered and 32 tons of ore averaging 3.15% WO_3 was shipped. Total recorded production of mine is 86 oz. Au, 363 oz. Ag and 101 short ton units of WO_3. Old workings consist of 200 ft. adit with stoping. New workings (300 ft. east of old adit) consists of surface stripping (300 ft long x 100 ft wide) on 2 benches, + 2 shallow test pits. DISCOVERED IN 1907 BY ALEX KOLCHEK; EXPLORED FOR TUNGSTEN IN 1946-1949 >

CRIB REPORT FORM (Nevada Version) USGS

*RECORD TYPE . . . . B20 < X, L >

*INFORMATION SOURCE B30 < 1 >

DEPOSIT NO. . . . . B40 < >

FILE LINK ID. . . . . B50 < >

*L (NEW RECORD) U (UPDATE)

*DATE G1 G3 < 8,1 0,3 > (YR. MO.) *REPORTER G2 G4 < Royse, Sue E > (LAST FIRST IN)

A40 < US > (US) A50 < 32 > (32)

A11 < CLEVE CREEK, HALE MOON, CASH, RAMBO > DEPOSIT NAME SYNONYMS

A02 < 53 mi. by road SE of Ely > POSITION FROM NEAREST PROMINENT LOCALITY

A03 < at head of Cleve Creek > LOCATION COMMENTS

ALTITUDE A107 < 8,5,0,0,Ft >

STATUS OF EXPLORATION OR DEVELOPMENT (CIRCLE ONE)

→A20 <1> OCCURENCE A20 <2> RAW PROSPECT A20 <3> DEV PROSPECT A20 <4> MINE

→A21 (ACTIVE) A22 (INACTIVE) (CIRCLE ONE)

→DEPOSIT SIZE M15 < small >

→STRIKE M70 < > →DIP M80 < >

PLUNGE M90 < > DIR. M100 < >

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 < Au, Ag, W >

→MAJOR COMM. PRESENT C11 < W >

→MINOR COMM. PRESENT C12 < Au, Ag >

→POTENTIAL PRODUCTS. . . . POTEN < >

→OCCURENCES. . . . . OCCUR < >

→MAJOR PRODUCTS . . MAJOR < W >

MINOR PRODUCTS . . MINOR < Au, Ag >

→PRODUCTION NO (YES) (SML) MED LGE circle

→ORE MINERALS C30 < scheelite, silver bromides & chlorides, minor gold >

→MAIN ORE MINERALS C31 < >

→MINOR ORE MINERALS C32 < >

GEOLOGIC INFORMATION

→K1 < C,A,M,B, > AGE OF HOST ROCK

→K1a < limestone member of Combined Metals Member (POLE CANYON LIMESTONE) (Pioche Shale) > HOST ROCK TYPE

→K2 < > AGE OF ASSOCIATED IGNEOUS ROCK

→K2a < > ASSOCIATED IGNEOUS ROCK TYPE

→K3 < > age of mineralization

→N5 < > MAJOR REGIONAL STRUCTURES

→K5 < > important ore control or locus

→N70 < NW trending fault system, N-fault system > significant local structures

→N75 < > significant alteration

→N80 < > geol. processes of conc. or enrichment

C43 < 0.01 to 0.5% WO_3 assay > analytical data

K4 < quartz, limonite, calcite, feldspar > pertinent mineralogy other than ore minerals

N85 < Tungsten is in the Combined Metals member, a few tens of feet above the base of the Pioche Shale. Scheelite > GEOLOGIC OR MINERALOGIC COMMENTS

(over)

→GENERAL REFERENCES

1) F1 < Smith, R.M., 1976, Geology & Mineral Resources of White Pine County, Nevada; NBMG Bull. 85 >

2) F2 < Johnson & Benson, 1963, Tungsten Resources of Nevada; USBM >

3) F3 < STAGER, H.K., NBMG BULL IN PREPARATION ON TUNGSTEN DEPOSITS OF NEVADA >

4) ~~F4~~ < DRELLES, H., 1967, USGS PP 557, P. 82. >

A62 < 16060008 >

* ESSENTIAL INFORMATION

→ IMPORTANT INFORMATION

D10 <32 TONS ORE CONTAINING 3.15 % WO_3 WAS SHIPPED FROM THE MINE IN 1953>
D9 <DREWES, 1967, p. 82.>

Geologic & Mineralogic Comments (con.)

occurs in quartz veinlets and as crystal aggregates replacing the limestone. Gold occurs with sulfides in the quartz. The silver-gold mineralization occurs along the major fault system that strikes N40W, near its junction with a north-trending fracture. In an area of recrystallized gray limestone, 60 ft. long & 30 ft wide, silver as bromides & chlorides, with minor amounts of gold, occurs in small irregular pockets. About 300 ft. east of this area, tungsten mineralization occurs in an area 300 feet long & 100 feet wide. Here limestones have been brecciated adjacent to fractures. In the crushed zones the fractures have been filled with limonite, quartz, calcite, feldspar, & scheelite.