



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: EMPIRE GROUP

ALTERNATE NAMES:

CLAIM MS 1471
MORNING GLORY 1, 2, 3 MS 4628
BLACK WALNUT

YAVAPAI COUNTY MILS NUMBER: 1140D

LOCATION: TOWNSHIP 13 N RANGE 2 W SECTION 36 QUARTER NW
LATITUDE: N 34DEG 28MIN 05SEC LONGITUDE: W 112DEG 25MIN 12SEC
TOPO MAP NAME: GROOM CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD
LEAD
IRON SULFIDE

BIBLIOGRAPHY:

USGS GROOM CREEK QUAD
BLM MINING DISTRICT SHEET 248
YAVAPAI MAGAZINE JUL. 1918 P 3 SHARLOT HALL
MUSEUM PRESCOTT, AZ
WILSON, E.A. AZ LODE GOLD MINES AZBM BULL 137
1967 P 33
ADM MR EMPIRE GROUP FILE

04/23/99

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ADMMR EMPIRE GROUP FILE

FILE Empire, Chicago
Red Rose + R.W.

REFERENCE 1 F1 < USGS Bull 782, p. 114

REFERENCE 2 F2 < USBM - ADGENT FILE DATA

REFERENCE 3 F3 < ABM Bull 137, p. 33 p. 114

REFERENCE 4 F4 < USGS GEOLOGIC MAP 62 997

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < _____ > RECORD TYPE B20 < X, I, M > DEPOSIT NUMBER B40 < _____ >
 REPORT DATE G1 < 8.1.12 > INFORMATION SOURCE B30 < 1.2 > FILE LINK IDENT. B50 < USBM - 004 025 0696 >
YR. MO
 REPORTER (SUPERVISOR) G2 < DEWITT, ED, H. > (last, first, middle initial)
 REPORTER AFFILIATION G5 < USGS > SITE NAME A10 < EMPIRE MINE >
 SYNONYMS A11 < EMPIRE VEIN >

LOCATION

MINING DISTRICT/AREA A30 < GROOM CREEK DISTRICT >
 COUNTY A60 < YAVAPAI > STATE A80 < AZ > COUNTRY A40 < U.S. >
 PHYSIOGRAPHIC PROV A63 < 1.2 >
 DRAINAGE AREA A62 < 1.5.0.7.0.1.0.3.8 >
 QUADRANGLE NAME A90 < GROOM CREEK > LAND STATUS A64 < 1.0.1.8.1.1 >
 SECOND QUAD NAME A92 < _____ > QUADRANGLE SCALE A100 < 24.000 >
 ELEVATION A107 < 6.6.00.8.F.T. > SECOND QUAD SCALE A91 < _____ >

UTM ACCURACY GEODETIC
 NORTHING A120 < 3.8.1.4.6.8.0 > ACCURATE (circle) LATITUDE A70 < _____ N >
 EASTING A130 < 3.6.9.4.3.0 > ESTIMATED EST < _____ > LONGITUDE A80 < _____ W >
 ZONE NUMBER A110 < 1.2 >

CADASTRAL
 TOWNSHIP(S) A77 < 0.1.3.N.1.1 > RANGE(S) A78 < 0.0.2.W.1.1 >
 SECTION(S) A79 < 36 >
 SECTION FRACTION(S) A76 < NW OF NE OF NW >
 MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 1.1 MILES WEST-NORTHWEST OF SPRUCE MOUNTAIN LOOKOUT TOWER >
 LOCATION COMMENTS A83 < UTM COORDINATES TO PROSPECT SYMBOL NEAR CENTER OF EMPIRE PATENTED CLAIM >

* ESSENTIAL INFORMATION
 + ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 < C.U. I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >
 *ORE MINERALS C30 < CHALCOPYRITE, GALENA, I.P.S. >
 COMMODITY SUBTYPES C41 < >
 GEN. ANALYTICAL DATA C43 < NG >
 COM. INFO. COMMENTS C50 < >

* SIGNIFICANCE

	PRODUCER	NON-PRODUCER
MAJOR PRODUCTS	MAJOR < C.U. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >	MAIN COMMODITIES PRESENT C11 < I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >
MINOR PRODUCTS	MINOR < I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >	MINOR COMMODITIES PRESENT C12 < I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >
POTENTIAL PRODUCTS	POTEN < I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >	
OCCURRENCES	OCCUR < I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >	OCCURRENCES OCCUR < I.P.S. I.A.U. I.L.U. I.M.U. I.N.U. I.O.U. I.P.U. I.Q.U. I.R.U. I.S.U. I.T.U. I.U.U. I.V.U. I.W.U. I.X.U. I.Y.U. I.Z.U. >

*PRODUCTION

	PRODUCER	NON-PRODUCER
PRODUCTION <input checked="" type="checkbox"/> (circle)	PRODUCTION SIZE <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> MED <input type="checkbox"/> LGE (circle one)	PRODUCTION <input type="checkbox"/> UND <input type="checkbox"/> NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

	PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < U >		STATUS AND ACTIVITY A20 < >

DISCOVERER L20 < >
 *YEAR OF DISCOVERY L10 < LATE 1870'S > *NATURE OF DISCOVERY L30 < B > *YEAR OF FIRST PRODUCTION L40 < 1912 > *YEAR OF LAST PRODUCTION L45 < 1941 >
 *PRESENT/LAST OWNER A12 < GROOM CREEK MINING & MILLING COMPANY (1940) >
 *PRESENT/LAST OPERATOR A13 < >
 *EXPL./DEV.COMMENTS L110 < EMPIRE MINE PRODUCTION MAY POSSIBLY BE CONFUSED WITH OTHER EMPIRE MINE NEAR JERSEY LILY MINE, 6 MILES TO THE SOUTHWEST >

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 < VEN >
 *DEPOSIT FORM/SHAPE M10 < TABULAR >
 *DEPTH TO TOP M20 < > *UNITS M21 < > *MAXIMUM LENGTH M40 < > *UNITS M41 < >
 *DEPTH TO BOTTOM M30 < > *UNITS M31 < > *MAXIMUM WIDTH M50 < > *UNITS M51 < >
 *DEPOSIT SIZE M15 < SMALL > M15 < MEDIUM > M15 < LARGE > (circle one) *MAXIMUM THICKNESS M60 < > *UNITS M61 < >
 *STRIKE M70 < N20 W > *DIP M80 < STEEP >
 *DIRECTION OF PLUNGE M100 < > *PLUNGE M90 < >
 *REP. DESC. COMMENTS M110 < EMPIRE VEIN APPEARS TO BE SOUTHERN CONTINUATION OF MONTE CRISTO - HIDDEN TREASURE >

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one) *OVERALL LENGTH M190 < > *UNITS M191 < >
 *DEPTH BELOW SURFACE M160 < 400 > *UNITS M161 < FT > *OVERALL WIDTH M200 < > *UNITS M201 < >
 *LENGTH OF WORKINGS M170 < > *UNITS M171 < > *OVERALL AREA M210 < > *UNITS M211 < >
 *DESC. OF WORK. COM. M220 < SHAFT SUNK TO 300 FT DEPTH (1926). SHAFT TO 400 FT (1940). MAIN TUNNEL 550 FT LONG OTHER SHAFTS ARE 60 FT, 40 FT. >

GEOLOGY

*AGE OF HOST ROCK(S) K1 < P.R.O.T.; L.C.R.E.T.V. U/PB ZIRCON GREATER THAN 760 MILLION YEARS; UNDATED, PROBABLY PALEO-MIOCENE >
 *HOST ROCK TYPE(S) K1A < SLATE, METABASALT, AMPHIBOLITE, DIORITE ; RHYOLITE PORPHYRY >
 *AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T.; L.C.R.E.T.V. AS LINE K1 >
 *IGNEOUS ROCK TYPE(S) K2A < BASALT, DIORITE ; RHYOLITE PORPHYRY >
 *AGE OF MINERALIZATION K3 < L.C.R.E.T. ; V. UNDATED, PROBABLY LATE CRETACEOUS - PLEISTOCENE, POSSIBLY PRECAMBRIAN >
 *PERT. MINERALS (NOT ORE) K4 < QUARTZ, PYRITE >
 *ORE CONTROL/LOCUS K5 < FAULTING, IGNEOUS ACTIVITY, ESPECIALLY DIKE EMPLACEMENT >
 *MAJ. REG. TRENDS/STRUCT. N5 < FOLIATION IN PRECAMBRIAN ROCKS TRENDS N10E TO N20E >
 *TECTONIC SETTING N15 < >
 *SIGNIFICANT LOCAL STRUCT. N70 < VEINS PARALLEL FOLIATION AND CROSSCUT IT BY 10-20 DEGREES, TRENDING N20E TO N-S >
 *SIGNIFICANT ALTERATION N75 < MINOR >
 *PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR SURFACE >
 *FORMATION AGE N30 < P.R.O.T. ; U/PB ZIRCON GREATER THAN 760 MILLION YEARS >
 *FORMATION NAME N30A < GREEN GULCH VOLCANICS >
 *SECOND FM AGE N35 < >
 *SECOND FM NAME N35A < >
 *IGNEOUS UNIT AGE N50 < P.R.O.T. ; V. UNDATED, PROBABLY GREATER THAN OR EQUAL TO 760 MILLION YEARS >
 *IGNEOUS UNIT NAME N50A < UNNAMED GABBRO >
 *SECOND IG. UNIT AGE N55 < L.C.R.E.T. - T.E.R.T.V. UNDATED, PROBABLY 75 TO 60 MILLION YEARS >
 *SECOND IG. UNIT NAME N55A < UNNAMED RHYOLITE PORPHYRY DIKES >
 *GEOLOGY COMMENTS N85 < DEPOSIT IS QUARTZ VEIN WHICH CUTS PROTEROZOIC ROCKS, LOCALIZED NEAR RHYOLITE DIKES >

GENERAL COMMENTS

GENERAL COMMENTS GEN < >

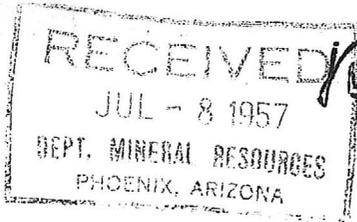
May 1, 1957

M. Gemmill reported:

Empire, Chicago, Red Rose, Black Walnut, ~~+++~~
Combination & Mill site.

IDLE

Mr. J. A. Poindexter, deceased



part of mine

Prescott Ariz. July 2nd

1957

The Ariz Dept. of Mineral Resources
has L. Filippi, Prescott Ariz. 327. S. Pleasant St
Dear sir

I have three mining claims - morning star
No. 1, star No. 2, and star No. 3, located in the
Hessayupia mining Dist about 11 miles south
of Prescott 9 miles on paved road, and about
2 miles of dirt road put you right at the
mine. I have plenty of timber on the ground
and water can be developed have tunnel on
vein. 7 hundred feet are exposed most of the
way. at tunnel crest have about 40 inch
width of vein. sulphides and oxidized ore
very good showing and a good chance for
a pay mine and would not require much
capital to put it in operation
just on top of sulphide zone show little lead
and zinc. its an old mining prop. have
a shaft on No. 3 claim 4 hundred ft in depth
but dont know much about its history as
I think it closed down in 1906 or 1907 but
as much as I can find out about it is that
it produced quite a bit of gold and silver

while it was in operation, it was formerly
known as the old empire mining property
located in Groom Creek located in section
36 of unpatented properties
have no Engineer's reports or maps -
average ore runs about 18 inches to 2 feet
are at best at present runs about 17.00
per ton sulphides and oxidized
report of mine as to what I have at present
may be inspected at any time

Charles F. Felpp
327 North Pleasant St
Prescott Ariz

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

ME-13

Date September 6, 1940

1. Mine Empire, Chicago, Red Rose, Black Walnut
2. Mining District & County Hassayampa District
Yavapai County
3. Former name
4. Location Six miles south of Prescott
5. Owner Groom Creek Mining and Milling Co.
6. Address (Owner)
7. Operator M. & M. Co.
8. Address (Operator) Groom Creek
9. President J. A. Poindexter
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Gold and Silver
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type Power line crosses mill site
18. Operations: Present Leasing and shipping selected ore, generally to local ore buyers.
19. Operations Planned Construction of two 5 foot ball mills in two units, cyanide for oxidized and free milling ore, flotation circuit for sulphide and complex ores. Tables should also be used in both circuits. Company properties can furnish 30 to 40 tons per day and it is planned to operate as a custom mill to accommodate the various mines in the Groom Creek and Bradshaw areas. There is more than thirty mines, of small veins, in this areas that need milling facilities. Each of these units would grind about sixty tons.
20. Number Claims, Title, etc. Empire group seven, Black Walnut Two, Red Rose, five, Chicago nine, mill site one, Combination three. This last group is about two and one-half miles westerly while all the other claims are easterly from the mill site, $\frac{1}{4}$ to one mile away. Mostly long time lease with option to purchase. Mill site is owned.
21. Description: Topography & Geography These properties, except the combination, are almost in a solid block. The Chicago Group begins about the Senator Highway and extending east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near the foot of a gently sloping range that raises going east. The rise is about three hundred feet to the mile.
22. Mine Workings: Amt. & Condition Main workings on Chicago 300 foot shaft, 40 foot shaft, 125 foot tunnel and 100 foot tunnel and some surface working. Red Rose main working 200 ft. shaft, incline 45-200 ft. of drift on vein a 200 ft. tunnel and some surface work. Empire 400 ft. shaft (not accessible) one 60 ft. shaft, 40 ft., shaft, 550 ft. tunnel 125 ft. in ore, 170 feet backs, 230 foot tunnel that extends additional 300 ft. into Snow property on vein, considerable work. Black Walnut developed by 340 ft. tunnel, 60 ft. shaft and surface work. Some of these workings not accessible, but all work in other property, except Empire shaft, are ^(over) in good condition.

23. Geology & Mineralization The Groom Creek quadrangle is approximately two miles east and west, north and south and is cut by a series of north and south fissure veins. These veins are generally narrow through wide enough to work in and pass a car without taking out wall rock. These fissures parallel and will vary in distance apart from three to fifteen hundred feet apart, and occur along the contact between the diorite and thylolite por.
24. Ore: Positive & Probable, Ore Dumps, Tailings A survey of the Groom Creek and Bradshaw districts will show there is available ore of a milling grade, within easy hauling distance of the proposed mill site, of 200 tons per day. Probable tonnage would be high. There is several thousand tons of tailings from small mill operations that will run five to six dollars per ton.
- 24-A Vein Width, Length, Value, etc. Several of the mines in this section are working and shipping selected ore that runs from twenty dollars to high-grade, and two small mills have milling that grades from fifteen dollars up and taking a tailing loss of five to six dollars. Ore of less than twenty dollars is generally thrown over the dump or left in the mine.
25. Mine, Mill Equipment & Flow Sheet It has been our plan to work our own properties by leasors under supervision, perhaps, organize some other properties for production, and operate the mill as a custom mill. As mentioned above, to successfully treat the ores of the districts, it will be necessary to have two units in the mill. Amalgamate, table, cyanide and float.
26. Road Conditions, Route Road conditions are excellent. Mill site is on Senator highway which will be paved to Groom Creek in the early spring on south through the Bradshaws, the road has a granite base and is always in good condition. The side roads are good mountain roads that lead from the mines to the mill, and the haul will be almost entirely down hill.
27. Water Supply Excellent water has been developed on the mill site for domestic purposes and, for the mill, water is available at the Chicago shaft 2500 ft. or the Silver King 1500 ft. away, for most any scale of operation. There is also plenty of timber on the ground for all building purposes and for the mines. Yellow pine for lumber and jack pine for poles.
28. Brief History Some of these properties were located in 1878 and have been worked intermittently since. Gold mining was about on a standstill up to a few years ago in this section, when the price of gold was raised to \$35 per ounce, quite a few parties came in and began to open up the old working and made new openings on the veins and, with hardly an exertion, they have been successful.
29. Special Problems, Reports Filed But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.
30. Remarks With the natural advantage of location, good roads, water, timber, and no metallurgical problems, cost of construction and operation can be kept at a minimum, milling on a scale of one hundred tons per day or better stand a charge \$3.00 to \$4.00 a ton.
31. If property for sale: Price, terms and address to negotiate. What is required here now is a mill to be built along the lines mentioned above and for that we expect to give controlling interest in the project when completed. We to put in our properties and help in every way possible to bring the project to a successful conclusion.

32. Signed.....J. A. Poindexter.....
Groom Creek, Arizona

33. Use additional sheets if necessary.

ME-28

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Box ~~MIS-21~~

Date September 6, 1940

1. Mine **Empire, Chicago, Red Rose, Black Walnut.**
2. Mining District & County **Hassayampa Dist., Yavapai County.**
3. Former name
4. Location **Six miles south of Prescott.**
5. Owner **Groom Creek Mining and Milling Co.**
6. Address (Owner)
7. Operator **M. & M. Co.**
8. Address (Operator) **Groom Creek**
9. President **J. A. Poindexter**
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals **Gold and silver**
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type **Power line crosses Mill site.**
18. Operations: Present **Leasing and shipping selected ore, generally to local ore buyers.**
19. Operations Planned **Construction of two 5 foot ball mills in two units, cyanide for oxidized and free milling ore, floatation circuit for sulphide and complex ores. Tables should also be used in both circuits. Company properties can furnish 30 to 40 tons per day and it is planned to operate as a custom mill to accomidate the various mines in the Groom Creek and Bradshaw areas. There is more than thirty mines, of small veins, in this area that need milling facilities. Each of these units would grind about sixty tons.**
20. Number Claims, Title, etc. **Empire group seven, Black Walnut two, Red Rose five, Chicago nine, mill site one, Combination three. This last group is about two and one-half miles westerly while all the other claims are easterly from the mill site, one-fourth to one mile away. Mostly long time lease with option to purchase. Mill site is owned.**
21. Description: Topography & Geography **These properties, except the combination, are almost in a solid block. The Chicago group begins about the Senator highway and extending east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near the foot of a gently sloping range that raises going east. The rise is about three hundred feet to the mile.**
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29. Special Problems, Reports Filed But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.
30. Remarks With the natural advantage of location, good roads, water, timber and no metallurgical problems, cost of construction and operation can be kept at a minimum. Milling on a scale of 100 tons per day or better actual milling cost could be kept under \$1.50 per ton and the mines could stand a charge of \$3.00 to \$4.00 per ton.
31. If property for sale: Price, terms and address to negotiate. What is required here now is a mill to be built along the lines mentioned above and for that we expect to give controlling interest in the project when completed. We, to put in our properties and help in every way possible to bring the project to a successful conclusion.

32. Signed..... J. A. Poindexter
Groom Creek, Arizona.

33. Use additional sheets if necessary.



United States Department of the Interior

OFFICE OF HEARINGS AND APPEALS

INTERIOR BOARD OF LAND APPEALS

4015 WILSON BOULEVARD

ARLINGTON, VIRGINIA 22203

*Full decision
from Lower Federal
Service - Mining*

UNITED STATES

v.

NETTIE G. HARPER

W 1/2 sec 36 T13 N R2W

IBLA 70-640

Decided December 12, 1972

Appeal from decision by L. K. Luoma, Administrative Law Judge, holding mining claims null and void and rejecting patent application (Arizona 035963).

Affirmed.

Mining Claims: MULTIPLE SURFACE USE ACT - General - Proof of Discovery
- Verified Statements

Where in a proceeding under the section 5 of the Surface Resources Act, 30 U.S.C. § 613 (1970), the Government has accepted a verified statement by a mining claimant alleging surface rights to the land within his claims, such acceptance being conditioned upon a stipulation which expressly provides that "nothing herein shall be construed as precluding the United States from contesting the validity of these claims by subsequent proceedings," and where no mention is made of the mineral character of the claims, no determination has been made by the Government that the land is mineral in character.

Mining Claims: PATENTS - Adverse Proceedings - Final Certificate

The issuance of a final certificate to a mining claim does not constitute a determination that land is mineral in character.

Mining Claims: PATENTS - Adverse Proceedings - Final Certificate

The issuance of a final certificate to a mining claim, or a determination of the status of the claim under section 5 of the Surface Resources Act, 30 U.S.C. § 613 (1970), does

INDEX CODE:

43 CFR § 4.452-8(b) (1972)

43 CFR § 3862.5-1 (1972)

8 IBLA 357

GFS(MIN) 6(1973)

Mining Claims: PRACTICE AND PROCEDURE - Contests - generally -
Hearings - burden of proof; DISCOVERY - Proof

In a mining contest when the Government has established a prima facie case that there has not been a discovery of a valuable mineral deposit within a mining claim, claimant then has the burden of showing with a preponderance of the evidence that a discovery has been made.

Mining Claims: DISCOVERY - Nature of Requirement - prudent man test

The prudent man test is not satisfied when a mining claimant asserts that she is willing to accept a meager income from the claims which, though inadequate to support a commercial mining venture, would, in her opinion, satisfy the needs of a small miner on a "do it yourself" basis. The test is objective, not subjective.

APPEARANCES: Edward E. Williams, Esq., Phoenix, Arizona, for appellant; Richard L. Fowler, Regional Attorney in Charge, U. S. Department of Agriculture, Albuquerque, New Mexico, for appellee.

OPINION BY MR. FISHMAN

Mrs. Nettie G. Harper has appealed to the Director, Bureau of Land Management, 1/ from a decision dated May 21, 1970, by an Administrative Law Judge 2/ which held the Morning Starr Nos. 1, 2, and 3 lode mining claims, situated in the W 1/2, sec. 36, T. 13 N., R 2 W., G.S.R.M. (within the Prescott National Forest), Yavapai County, Arizona, to be invalid for lack of a valuable mineral.

The record shows that the claims were originally located on July 1, 1950, by appellant's brother, J. M. Gallagher, and by Charles L. Felippi, with each owning a one-half interest. After Mr. Gallagher's death in 1955 appellant acquired her interest, and

1/ The Secretary of the Interior, in the exercise of his supervisory authority, transferred jurisdiction over all appeals pending before the Director, Bureau of Land Management, to the Board of Land Appeals, effective July 1, 1970. Cir. 2273, 35 F. R. 10009, 10012.

2/ The title "Hearing Examiner" has been superseded by "Administrative Law Judge." 37 F. R. 16787 (August 19, 1972).

September 6, 1940.

Chm

GOLD-SILVER -- 26 claims and 1 mill site. Many small mines in this area, and suitable conditions for successful operation of custom mill. Ample water available for milling operations. Will give control to parties with capital for installation of necessary milling equipment.

**EMPIRE, CHICAGO, RED ROSE
& BLACK WALNUT**

Au, Ag

13 N

Yavapai 13 - 4 T 12½ N, R 2 W

Groom Creek Mng. & Milling Co, Groom Creek '40

(Returned unknown. 8/5/46)

(Second report to J. E. Poindexter, Prescott returned unknown 8/8)

Poindexter, J. A. - Pres.
Groom Creek, Arizona

Box 1502 *unclaimed*
Prescott- *8-46* 9-6-40

See ME-13 - Re Owners Mine Report. (Owner-Groom Creek Mg. & Milling Co.)
EMPIRE, CHICAGO, RED ROSE, BLACK WALNUT,
See ML-15 - Re Owners Mine Report 6-10-39

See SILVER KING - Re Field Engineer's Report 2-15-43

See SILVER KING - Re mine loan application 3-9-43

EMPIRE VEIN

YAVAPAI COUNTY
GROOM CREEK DIST.

(EMPIRE, CHICAGO, RED ROSE & BLACK WALNUT FILE)

DESCRIBED IN: A.B.M. Bull. #137, p. 33

W. Lindgren, U.S.G.S. Bull. 782, p. 113, 114

USGS MINERAL RESOURCES OF U.S., 1907, Part I, p. 183
(Alma-Empire Consolidated Gold Mining Co.)

23 September 1940

Mr. J. A. Poindexter,
Groom Creek,
Arizona.

My dear Mr. Poindexter:

I am enclosing herewith for your records a copy of Mine Owners Report which you have filed with the Department of Mineral Resources covering your Empire, Chicago, Red Rose, Black Walnut Claims.

A copy of this report has been mailed to MIS-21 with the request that he communicate directly with you regarding this property.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encl.

23 September 1940

Mr. J. A. Gruwell,
Pomerene,
Arizona.

My dear Mr. Gruwell:

With further reference to your request for information on a mining property, I am enclosing herewith copy of Mine Owners Report covering the Empire, Chicago, Red Rose, Black Walnut Claims in the Hassayampa Mining District in Yavapai County owned by the Groom Creek Mining and Milling Company.

I should suggest that you communicate directly with Mr. J. A. Poindexter at Groom Creek, Arizona, regarding this property.

Assuring you of my desire to be helpful,
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Director

JSC-jrf
encl.

23 September 1940

file mine

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Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encl.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date September 6, 1940

1. Mine **Empire, Chicago, Red Rose, Black Walnut**. Location **Six miles south of Prescott**
3. Mining District & County **Hassayampa Dist., Yavapai Co.**
4. Former name
5. Owner **Groom Creek Mining and Milling Co.**
6. Address (Owner)
7. Operator **M. & M. Co.**
8. Address (Operator) **Groom Creek**
9. President, Owing Co. **J. A. Poindexter**
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals **Gold and Silver**
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed
17. Power: Amt. & Type **Power line crosses mill site.**
18. Operations: Present **Leasing and shipping selected ore, generally to local ore buyers.**
19. Operations: Planned **Construction of two 5 foot ball mills in two units, cyanide for oxidized and free milling ore, floatation circuit for sulphide and complex ores. Tables should also be used in both circuits. Company properties can furnish 30 to 40 tons per day and it is planned to operate as a custom mill to accomodate the various mines in the Groom Creek and Bradshaw areas. There is more than thirty mines, of small veins, in this area that need milling facilities. Each of these units would grind about sixty tons.**
20. Number Claims, Title, etc. **Empire group seven, Black Walnut Two, Red Rose, five, Chicago nine, mill site one, Combination three. This last group is about two and one-half miles westerly while all the other claims are easterly from the mill site, 1/4 to one mile away. Mostly long time lease with option to purchase. Mill site is owned.**
21. Description: Topography & Geography **These properties, except the combination, are almost in a solid block. The Chicago Group begins about the Senator Highway and extending east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near the foot of a gently sloping range that raises going east. The rise is about three hundred feet to the mile.**
22. Mine Workings: Amt. & Condition **Main workings on Chicago 300 foot shaft, 40 foot shaft, 125 foot tunnel and 100 foot tunnel and some surface working. Red rose main working 200 ft. shaft, encline 45-200 ft. of drift on vein a 200 ft. tunnel and some surface work. Empire 400 ft. shaft (not accessable) one 60 ft. shaft, 40 ft., shaft, 550 ft. tunnel 125 ft. in ore, 170 feet backs, 230 foot tunnel that extends additional 300 ft. into Snow property on vein, considerable work. Black Walnut developed by 340 ft. tunnel, 60 ft. shaft and surface work. Some of these workings not accessable, but all work in**

3. Geology & Mineralization The Groom Creek quadrangle is approximately two miles east and west, north and south and is cut by a series of north and south fissure veins. These veins are generally narrow through wide enough to work in and pass a car without taking out wall rock. These fissures parallel and will vary in distance apart from three to fifteen hundred feet apart, and occur along the contact between the diorite and thuyolite por.

4. Ore: Positive & Probable, Ore Dumps, Tailings A survey of the Groom Creek and Bradshaw districts will show there is available ore of a milling grade, within easy hauling distance of the proposed mill site, of 200 tons per day. Probable tonnage would be high. There is several thousand tons of tailings from small mill operations that will run five to six dollars per ton.

4A. Dimensions and Value of Ore body Several of the mines in this section is working and shipping selected ore that runs from twenty dollars to high-grade, and two small mills have milling that grades from fifteen dollars up and taking a tailing loss of five to six dollars Ore of less than twenty dollars is generally thrown over the dump or left in the mine.

5. Mine, Mill Equipment & Flow-Sheet It has been our plan to work our own properties by leasors under supervision, perhaps, organize some other properties for production, and operate the mill as a custom mill. As mentioned above, to successfully ~~th~~ treat the ores of the districts, it will be necessary to have two units in the mill. Amalgamate, table, cyanide and float.

6. Road Conditions, Route Road conditions are excellent Mill site is on Senator highway which will be paved to Groom Creek in the early spring on south through the Bradshaws, the road has a granite base and is always in good condition. The side roads are good mountain roads that lead from the mines to the mill, and the haul will be almost entirely down hill.

7. Water Supply Excellent water has been developed on the mill site for domestic purposes and, for the mill, water is available at the Chicago shaft 2500 ft. or the Silver King 1500 ft. away, for most any scale of operation. There is also plenty of timber on the ground for all building purposes and for the mines. Yellow pine for lumber and jack pine for poles.

8. Brief History Some of these properties were located in 1878 and have been worked intermittently since. Gold mining was about on a standstill up to a few years ago in this section, when the price of gold was raised to \$35 per ounce, quite a few parties came in and began to open up the old workings and made new openings on the veins and, with hardly an exertion, they have been successful.

Special Problems, Reports Filed But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.

Remarks With the natural advantage of location, good roads, water, timber, and no metallurgical problems, cost of construction and operation can be kept at a minimum, Milling on a scale of one hundred tons per day or better stand a charge \$3.00 to \$4.00 per ton.

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

What is required here now is a mill to

be built along the lines mentioned above and for that we expect to give controlling interest in the project when completed. We to put in our properties and help in every way possible to bring the project to a successful conclusion.

32. Signature (Signed) J. A. Poindexter
Groom Creek, Arizona

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date September 6, 1940

1. Mine Empire, Chicago, Red Rose, Black Walnut². Location Six miles south of Prescott
3. Mining District & County Hassayampa Dist., Yavapai Co.
4. Former name
5. Owner Groom Creek Mining and Milling Co.
6. Address (Owner)
7. Operator M. & M. Co.
8. Address (Operator) Groom Creek
9. President, Owing Co. J. A. Poindexter
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals Gold and Silver
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed
17. Power: Amt. & Type Power line crosses mill site.
18. Operations: Present Leasing and shipping selected ore, generally to local ore buyers.
19. Operations: Planned Construction of two 5 foot ball mills in two units, cyanide for oxidized and free milling ore, floatation circuit for sulphide and complex ores. Tables should also be used in both circuits. Company properties can furnish 30 to 40 tons per day and it is planned to operate as a custom mill to accommodate the various mines in the Groom Creek and Bradshaw areas. There is more than thirty mines, of small veins, in this area that need milling facilities. Each of these units would grind about sixty tons.
20. Number Claims, Title, etc. Empire group seven, Black Walnut Two, Red Rose, five, Chicago nine, mill site one, Combination three. This last group is about two and one-half miles westerly while all the other claims are easterly from the mill site, $\frac{1}{4}$ to one mile away. Mostly long time lease with option to purchase. Mill site is owned.
21. Description: Topography & Geography These properties, except the combination, are almost in a solid block. The Chicago Group begins about the Senator Highway and extending east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near the foot of a gently sloping range that raises going east. The rise is about three hundred feet to the mile.
22. Mine Workings: Amt. & Condition Main workings on Chicago 300 foot shaft, 40 foot shaft, 125 foot tunnel and 100 foot tunnel and some surface working. Red rose main working 200 ft. shaft, incline 45-200 ft. of drift on vein a 200 ft. tunnel and some surface work. Empire 400 ft. shaft (not accessible) one 60 ft. shaft, 40 ft., shaft, 550 ft. tunnel 125 ft. in ore, 170 feet backs, 230 foot tunnel that extends additional 300 ft. into Snow property on vein, considerable work. Black Walnut developed by 340 ft. tunnel, 60 ft. shaft and surface work. Some of these workings not accessible, but all work in

3. Geology & Mineralization The Groom Creek quadrangle is approximately two miles east and west, north and south and is cut by a series of north and south fissure veins. These veins are generally narrow through wide enough to work in and pass a car without taking out wall rock. These fissures parallel and will vary in distance apart from three to fifteen hundred feet apart, and occur along the contact between the diorite and thuyolite por.

4. Ore: Positive & Probable, Ore Dumps, Tailings A survey of the Groom Creek and Bradshaw districts will show there is available ore of a milling grade, within easy hauling distance of the proposed mill site, of 200 tons per day. Probable tonnage would be high. There is several thousand tons of tailings from small mill operations that will run five to six dollars per ton.

4A. Dimensions and Value of Ore body Several of the mines in this section is working and shipping selected ore that runs from twenty dollars to high-grade, and two small mills have milling that grades from fifteen dollars up and taking a tailing loss of five to six dollars Ore of less than twenty dollars is generally thrown over the dump or left in the mine.

5. Mine, Mill Equipment & Flow-Sheet It has been our plan to work our own properties by leasors under supervision, perhaps, organize some other properties for production, and operate the mill as a custom mill. As mentioned above, to successfully treat the ores of the districts, it will be necessary to have two units in the mill. Amalgamate, table, cyanide and float.

6. Road Conditions, Route Road conditions are excellent Mill site is on Senator highway which will be paved to Groom Creek in the early spring on south through the Bradshaws, the road has a granite base and is always in good condition. The side roads are good mountain roads that lead from the mines to the mill, and the haul will be almost entirely down hill.

7. Water Supply Excellent water has been developed on the mill site for domestic purposes and, for the mill, water is available at the Chicago shaft 2500 ft. or the Silver King 1500 ft. away, for most any scale of operation. There is also plenty of timber on the ground for all building purposes and for the mines. Yellow pine for lumber and jack pine for poles.

8. Brief History Some of these properties were located in 1878 and have been worked intermittently since. Gold mining was about on a standstill up to a few years ago in this section, when the price of gold was raised to \$35 per ounce, quite a few parties came in and began to open up the old working and made new openings on the veins and, with hardly an exertion, they have been successful.

Special Problems, Reports Filed But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.

Remarks With the natural advantage of location, good roads, water, timber, and no metalurgical problems, cost of construction and operation can be kept at a minimum, Milling on a scale of one hundred tons per day or better stand a charge \$3.00 to \$4.00 per ton.

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

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32. Signature (Signed) J. A. Poindexter
Groom Creek, Arizona

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date Sept, 6/40

Box MIS-21

1. Mines, Empire, Chicago, Red Rose, Black Walnut Location six miles south of Prescott

3. Mining District & County Hassayampa, Yavapai

4. Former name

5. Owner Groom Creek Mining & Milling Co.

7. Operator M & M Co.

9. President, Owing Co. J. A. Poindexter

10. Gen. Mgr.

11. Mine Supt.

12. Mill Supt.

13. Men Employed

18. Operations: Present leasing and shipping selected ore generally to local ore

buyers

19. Operations: Planned Construction of two five foot ball mills in two units, cyanide for oxidized and free milling ore, flotation circuit for sulphide and complex ores. Tables should also be used in both circuits, Company properties can furnish 30 to 40 tons per day and it is planned to operate as a custom mill to accommodate the various mines in the Groom Creek and Bradshaw areas. There is more than thirty mines, of small veins, in this area that need milling facilities. Each of these units would grind about sixty tons.

21. Description: Topography & Geography
Empire group's seven, Black Walnut two, Red Rose five, Chicago nine, mill cite one, Combination three. This last group is about two and one half miles westerly while all the other claims are easterly from the mill cite, one fourth to one mile away. Mostly long time lease with option to purchase. Mill cite is owned.

These properties, except the combination, are almost in a solid block. The Chicago group begins about the Senator Highway and extending east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near the foot of a gently sloping range that raises going east. The rise is about three hundred feet to the mile.

22. Mine Workings: Amt. & Condition Main workings on Chicago 300 foot shaft, 40 foot shaft 125 foot tunnel and 100 foot tunnel and some surface working, Red Rose main working 200 foot shaft, incline 45, 200 feet of drift on vein a 200 foot tunnel and some surface work; Empire 400 foot shaft (not accessible) one 60 foot shaft, 40 foot shaft, 550 foot tunnel 125 feet in ore, 170 feet backs, 230 foot tunnel that extends additional 300 hundred feet into Snow property on vein, considerable surface work; Black Walnut developed by 340 foot tunnel, 60 foot shaft and surface work. Some of this workings is not accessible, but all of the work mentioned in all the other prop-

23. **Geology & Mineralization** The Groom Creek quadrangle is approximately two miles east and west, north and south and is cut by a series of north and south fissure veins. These veins are generally narrow though wide enough to work in and pass a car without taking out wall rock. These fissures parallel and will vary in distance apart from three to fifteen hundred feet apart, and occur along the contact between the diorite and tholeiite porphyry.

24. **Ore: Positive & Probable, Ore Dumps, Tailings** A survey of the Groom Creek and Bradshaw districts will show there is available ore of a milling grade, within easy hauling distance of the proposed mill site, of 200 tons per day. Probable tonnage would be high. There is several thousand tons of tailings from small mill operations that will run from five to six dollars per ton.

24A. **Dimensions and Value of Ore body** Several of the mines in this section is working and shipping selected ore that runs from twenty dollars to high grade, and two small mills have milling that grades from fifteen dollars up and taking a tailing loss of five to six dollars. Ore of less than twenty dollars is generally thrown over the dump or left in the mine.

25. **Mine, Mill Equipment & Flow-Sheet** It has been our plan to work our own properties by leases under supervision, perhaps, organize some other properties for production, and operate the mill as a custom mill. As mentioned above, to successfully treat the ores of the districts, it will be necessary to have two units in the mill. Amalgamate, table, cyanide and float.

26. **Road Conditions, Route** Road conditions are excellent, mill site is on Senator highway which will be paved to Groom Creek in the early spring on south through the Bradshaws, the road has a granite base and is always in good condition. The side roads are good mountain roads that lead from the mines to the mill, and the haul will be almost entirely down hill.

27. **Water Supply** Excellent water has been developed on the mill site for domestic purposes and, for the mill, water is available at the Chicago shaft 2500 feet or the Silver King 1500 feet away, for most any scale of operation. There is also plenty of timber on the ground for all building purposes and for the mines. Yellow pine for lumber and jack pine for poles.

28. **Brief History** Some of these properties were located in 1878 and have been worked intermittently since. Gold mining was about on a standstill up to a few years ago in this section, when the price of gold was raised to \$35, per ounce, quite a few parties came in and began to open up the old workings and make new openings on the veins and, with hardly an exception, they have been successful.

29. **Special Problems, Reports Filed** But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient, and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.

30. **Remarks** With the natural advantage of location, good roads, water, timber and no metallurgical problems, cost of construction and operation can be kept at a minimum. Milling on a scale of one hundred tons per day or better actual milling cost could be kept under \$1.50 per ton and the mines could stand a charge \$3.00 to \$4.00 per ton.

31. **If property for sale: Price, terms and address to negotiate.** What is required here now is a mill to be built along the lines mentioned above and for that we expect to give controlling interest in the project when completed. We to put in our properties and help in every way possible to bring the project to a successful conclusion.

32. **Signature** J. A. Poindexter

33. **Use additional sheets if necessary.** Groom Creek, Arizona.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

ME 138
Box MIS-21

Date September 6, 1940

1. Mine **Empire, Chicago, Red Rose, Black Walnut.**
2. Mining District & County **Hassayampa Dist.,
Yavapai County.**
3. Former name
4. Location **Six miles south of Prescott.**
5. Owner **Groom Creek Mining and Milling Co.**
6. Address (Owner)
7. Operator **M. & M. Co.**
8. Address (Operator) **Groom Creek**
9. President **J. A. Poindexter**
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals **Gold and silver**
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type **Power line crosses
Mill site.**
18. Operations: Present **Leasing and shipping selected ore, generally to local
ore buyers.**
19. Operations Planned **Construction of two 5 foot ball mills in two units, cyanide for
oxidized and free milling ore, floatation circuit for sulphide and complex
ores. Tables should also be used in both circuits. Company properties can
furnish 30 to 40 tons per day and it is planned to operate as a custom mill
to accomodate the various mines in the Groom Creek and Bradshaw areas. There
is more than thirty mines, of small veins, in this area that need milling
facilities. Each of these units would grind about sixty tons.**
20. Number Claims, Title, etc. **Empire group seven, Black Walnut two, Red Rose five, Chicago
nine, mill site one, Combination three. This last group is about two and
one-half miles westerly while all the other claims are easterly from the mill
site, one-fourth to one mile away. Mostly long time lease with option to
purchase. Mill site is owned.**
21. Description: Topography & Geography **These properties, except the combination, are almost
in a solid block. The Chicago group begins about the Senator highway and extending
east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near
the foot of a gently sloping range that raises going east. The rise is about
three hundred feet to the mile.**
22. Mine Workings: Amt. & Condition **Main workings on Chicago 300 foot shaft, 40 foot shaft,
125 foot tunnel and 100 foot tunnel and some surface working.
Red Rose main working 200 foot shaft, encline 45 - 200 feet of drift on vein a
200 foot tunnel and some surface work. Empire 400 foot shaft (not accessable) one
60 foot shaft, 40 foot shaft, 550 foot tunnel, 125 feet in ore, 170 feet backs,
230 foot tunnel that extends additional 300 feet into Snow property on vein, considerable
surface work. Black Walnut developed by 340 ft. tunnel, 60 ft. shaft and surface work.
Some of these workings not accessable, but all work in other property, except Empire
shaft, are in good condition.**

23. Geology & Mineralization The Groom Creek quadrangle is approximately 2 miles east and west, north and south and is cut by a series of north and south fissure veins. These veins are generally narrow though wide enough to work in and pass a car without taking out wall rock. These fissures parallel and will vary in distance apart from 3 to 1500 feet apart and occur along the contact between the diorite and thuyolite porphyry.
24. Ore: Positive & Probable, Ore Dumps, Tailings A survey of the Groom Creek and Bradshaw districts will show there is available ore of a milling grade, within easy hauling distance of the proposed mill site, of 200 tons per day. Probable tonnage would be high. There is several thousand tons of tailings from small mill operations that will run from five to six dollars per ton.
- 24-A Vein Width, Length, Value, etc. Several of the mines in this section is working and shipping selected ore that runs from \$20 to high grade, and two small mills have milling that grades from \$15 up and taking a tailing loss of five to six dollars. Ore of less than \$20 is generally thrown off of the dump or left in the mine.
25. Mine, Mill Equipment & Flow Sheet It has been our plan to work our own properties by lessors under supervision, perhaps organize some other properties for production, and operate the mill as a custom mill. As mentioned above to successfully treat the ores of the districts it will be necessary to have two units in the mill. Amalgamate, table, cyanide and float.
26. Road Conditions, Route Road conditions are excellent. Mill site is on Senator highway which will be paved to Groom Creek in the early spring on south through the Bradshaws. The road has a granite base and is always in good condition. The side roads are good mountain roads that lead from the mines to the mill and the haul will be almost entirely down hill.
27. Water Supply Excellent water has been developed on the mill site for domestic purposes, and for the mill water is available at the Chicago shaft 2500 feet or the Silver King 1500 feet away, for most any scale of operation. There is also plenty of timber on the ground for all building purposes and for the mines. Yellow pine for lumber and jack pine for poles.
28. Brief History Some of these properties were located in 1878 and have been worked intermittently since. Gold mining was about on a standstill up to a few years ago in this section when the price of gold was raised to \$35 per ounce. Quite a few parties came in and began to open up the old workings and make a new opening on the veins and, with hardly an exception they have been successful.
29. Special Problems, Reports Filed But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.
30. Remarks With the natural advantage of location, good roads, water, timber and no metallurgical problems, cost of construction and operation can be kept at a minimum. Milling on a scale of 100 tons per day or better actual milling cost could be kept under \$1.50 per ton and the mines could stand a charge of \$3.00 to \$4.00 per ton.
31. If property for sale: Price, terms and address to negotiate. What is required here now is a mill to be built along the lines mentioned above and for that we expect to give controlling interest in the project when completed. We, to put in our properties and help in every way possible to bring the project to a successful conclusion.

32. Signed..... J. A. Poindexter
Groom Creek, Arizona.

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

ME-13

Date September 6, 1940

1. Mine Empire, Chicago, Red Rose, Black Walnut
2. Mining District & County Hassayampa District
Yavapai County
3. Former name
4. Location Six miles south of Prescott
5. Owner Groom Creek Mining and Milling Co.
6. Address (Owner)
7. Operator M. & M. Co.
8. Address (Operator) Groom Creek
9. President J. A. Poindexter
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Gold and Silver
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type Power line crosses mill site
18. Operations: Present Leasing and shipping selected ore, generally to local ore buyers.
19. Operations Planned Construction of two 5 foot ball mills in two units, cyanide for oxidized and free milling ore, flotation circuit for sulphide and complex ores. Tables should also be used in both circuits. Company properties can furnish 30 to 40 tons per day and it is planned to operate as a custom mill to accomodate the various mines in the Groom Creek and Bradshaw areas. There is more than thirty mines, of small veins, in this areas that need milling facilities. Each of these units would grind about sixty tons.
20. Number Claims, Title, etc. Empire group seven, Black Walnut Two, Red Rose, five, Chicago nine, mill site one, Combination three. This last group is about two and one-half miles westerly while all the other claims are easterly from the mill site, $\frac{1}{4}$ to one mile away. Mostly 1 ng time lease with option to purchase. Mill site is owned.
21. Description: Topography & Geography These properties, except the combination, are almost in a solid block. The Chicago Group begins about the Senator Highway and extending east, next is Red Rose, Empire and Black Walnut. Chicago main shaft is near the foot of a gently sloping range that raises going east. The rise is about three hundred feet to the mile.
22. Mine Workings: Amt. & Condition Main workings on Chicago 300 foot shaft, 40 foot shaft, 125 foot tunnel and 100 foot tunnel and some surface working. Red Rose main working 200 ft. shaft, incline 45-200 ft. of drift on vein a 200 ft. tunnel and some surface work. Empire 400 ft. shaft (not accessible) one 60 ft. shaft, 40 ft., shaft, 550 ft. tunnel 125 ft. in ore, 170 feet backs, 230 foot tunnel that extends additional 300 ft. into Snow property on vein, considerable work. Black Walnut developed by 340 ft. tunnel, 60 ft. shaft and surface work. Some of these workings not accessible, but all work in other property, except Empire shaft, are in good condition.

23. **Geology & Mineralization** The Groom Creek quadrangle is approximately two miles east and west, north and south and is cut by a series of north and south fissure veins. These veins are generally narrow through wide enough to work in and pass a car without taking out wall rock. These fissures parallel and will vary in distance apart from three to fifteen hundred feet apart, and occur along the contact between the diorite and thylolite por.
24. **Ore: Positive & Probable, Ore Dumps, Tailings** A survey of the Groom Creek and Bradshaw districts will show there is available ore of a milling grade, within easy hauling distance of the proposed mill site, of 200 tons per day. Probable tonnage would be high. There is several thousand tons of tailings from small mill operations that will run five to six dollars per ton.
- 24-A **Vein Width, Length, Value, etc.** Several of the mines in this section are working and shipping selected ore that runs from twenty dollars to high-grade, and two small mills have milling that grades from fifteen dollars up and taking a tailing loss of five to six dollars. Ore of less than twenty dollars is generally thrown over the dump or left in the mine.
25. **Mine, Mill Equipment & Flow Sheet** It has been our plan to work our own properties by leasors under supervision, perhaps, organize some other properties for production, and operate the mill as a custom mill. As mentioned above, to successfully treat the ores of the districts, it will be necessary to have two units in the mill. Amalgamate, table, cyanide and float.
26. **Road Conditions, Route** Road conditions are excellent. Mill site is on Senator highway which will be paved to Groom Creek in the early spring on south through the Bradshaws, the road has a granite base and is always in good condition. The side roads are good mountain roads that lead from the mines to the mill, and the haul will be almost entirely down hill.
27. **Water Supply** Excellent water has been developed on the mill site for domestic purposes and, for the mill, water is available at the Chicago shaft 2500 ft. or the Silver King 1500 ft. away, for most any scale of operation. There is also plenty of timber on the ground for all building purposes and for the mines. Yellow pine for lumber and jack pine for poles.
28. **Brief History** Some of these properties were located in 1878 and have been worked intermittently since. Gold mining was about on a standstill up to a few years ago in this section, when the price of gold was raised to \$35 per ounce, quite a few parties came in and began to open up the old working and made new openings on the veins and, with hardly an exertion, they have been successful.
29. **Special Problems, Reports Filed** But the mines are comparatively small and the miners have been obliged to depend on fairly high grade ore to make a profit leaving much milling grade at the mine. The logical thing to do here is to build a mill in a central location, efficient and large enough to keep cost at a low figure so that the mill and the miner can make a profit on comparatively low grade ore.
30. **Remarks** With the natural advantage of location, good roads, water, timber, and no metallurgical problems, cost of construction and operation can be kept at a minimum, milling on a scale of one hundred tons per day or better stand a charge \$3.00 to \$4.00 a ton.
31. **If property for sale: Price, terms and address to negotiate.** What is required here now is a mill to be built along the lines mentioned above and for that we expect to give controlling interest in the project when completed. We to put in our properties and help in every way possible to bring the project to a successful conclusion.

32. Signed..... J. A. Poindexter.....
Groom Creek, Arizona

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

MP-13

Date September 6, 1940

1. Mine Empire, Chicago, Red Rose, Black Walnut
2. Mining District & County Hassayampa District
Yavapai County
3. Former name
4. Location Six miles south of Prescott
5. Owner Groom Creek Mining and Milling Co.
6. Address (Owner)
7. Operator M. & M. Co.
8. Address (Operator) Groom Creek
9. President J. A. Poindexter
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
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