

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4315 A & B

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Jeanne Berger

Known As The

State Mining Claim and State Mill Site

Greenwood Mining District,

Mohave County, Arizona

Section 4 (unsurveyed), Township 13 North, Range 12 West

Surveyed under instructions dated December 11, 1947

by John T. Jordan
U. S. Mineral Surveyor.

Claim located January 1, 1911

Survey commenced April 21, 1948

Survey completed June 17, 1948

Address of claimant Kingman, Arizona

DATES OF AMENDED LOCATIONS

None

This survey was made with a Keuffel and Esser transit No. 81600, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the horizontal verniers read to thirty seconds of arc and the vertical circle vernier reads to one minute of arc; the eye piece is equipped with a colored shade set in the dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

April 21, 1948 at cor. No. 4 of the State lode, in latitude $34^{\circ} 29' 30''$ N., and longitude $113^{\circ} 31.6'$ W., I make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point on the line between cors. No. 3 and 4, 455 ft. southeasterly from cor. No. 4, SW. to the sun.

Mean time of observation,
105th meridian standard time = $5^{\text{h}} 12^{\text{m}} 26.2^{\text{s}}$ p.m.

Declination of sun at mean
time of observation = $12^{\circ} 05' 48.8''$ N.

Mean observed vertical angle
to sun's center = $23^{\circ} 20.5'$

Mean horizontal angle from
reference point to sun's
center = $168^{\circ} 10' 30''$ SE-W

True bearing to reference point = S. $79^{\circ} 16'$ E.

The lines were measured with a Dietzgen No. 5502 L-X Ezy-Pul steel tape 200 feet in length, graduated every foot for 200 ft., with graduations to 1/100th ft. at the zero end; this tape was compared with a Public Land Office standard at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse methods, as shown by the calculation sheets herewith submitted.

The magnetic declination observed at each corner gave a uniform value of $15^{\circ} 10'$ E.

Survey No. 4315 A.

Feet

STATE LODGE

At cor. No. 1 of the State lode.

Set a yellow pine post, $3\frac{1}{2}$ ft. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. S-1-4315A; from which

The cor. of secs. 3 and 4, T. 13 N., R. 12 W., and secs. 33 and 34, T. 14 N., R. 12 W., G. & S.R. Mer., bears N. $23^{\circ} 36'$ E., 4166.2 ft. dist.; an iron post, 3 ins. diam., 24 ins. above ground in a mound of stone, and marked as described in the official record.

A granite bedrock outcrop, bears N. $82^{\circ} 17'$ W., 12.5 ft. dist., mkd. x BR-S-1-4315 A.

Thence S. $79^{\circ} 16'$ E.

2.

Survey No. 4315 A.

Feet	
1500.0	<p>Cor. No. 2.</p> <p>Set a yellow pine post, $3\frac{1}{2}$ ft. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. S-2-4315A; from which</p> <p>A distant peak, known as Greenwood Peak, bears N. $40^{\circ} 49'$ E.</p> <p>No bearing trees or objects available.</p> <p>Thence S. $10^{\circ} 44'$ W.</p>
300.0	<p>Lode line; discovery point bears N. $79^{\circ} 16'$ W., 650 ft. dist.</p>
521	<p>Right bank of dry wash, 30 ft. wide, course N. 75° W.</p>
600.0	<p>Cor. No. 3</p> <p>Set a yellow pine post, $3\frac{1}{2}$ ft. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. S-3-4315 A; from which</p> <p>Greenwood Peak, bears N. $37^{\circ} 34'$ E.</p> <p>No bearing trees or objects available.</p> <p>Thence N. $79^{\circ} 16'$ W.</p>
242	<p>Right bank of dry wash (tributary), 20 ft. wide, course N. 13° W.</p>
1500.0	<p>Cor. No. 4</p> <p>Set a granite stone, 25 x 10 x 7 ins., 18 ins. in the ground to bedrock, mkd. x S-4-4315 A; from which</p> <p>A monument of stone, 24 ins. high and 24 ins. diam. at the base, bears S. 30° W., 5.0 ft. dist.</p> <p>A palo verde tree, 5 ins. diam., bears S. $59^{\circ} 15'$ E., 62.2 ft. dist., mkd. x BT-S-4-4315 A.</p> <p>Greenwood Peak, bears N. $49^{\circ} 47'$ E.</p> <p>Thence N. $10^{\circ} 44'$ E.</p>
300.0	<p>Lode line; discovery point bears S. $79^{\circ} 16'$ E., 850 ft. dist.</p>
570	<p>Left bank of dry wash, 30 ft. wide, course N. 50° W.</p>
600.0	<p>Cor. No. 1, and place of beginning.</p>

Survey No. 4315 B

STATE MILL SITE

At cor. No. 1 of the State Mill Site.

Set a yellow pine post, $3\frac{1}{2}$ ft. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. S-1-4315 B; from which

Survey No. 4315 B.

Feet

The cor. of secs. 3 and 4, T. 13 N., R. 12 W., and secs. 33 and 34, T. 14 N., R. 12 W., bears N. 22° 22' 30" E., 3360.6 ft. dist.; previously described.

Cor. No. 1, Sur. No. 4315A, State lode bears S. 28° 41' W., 809.53 ft. dist.

Greenwood Peak, bears N. 57° 22' E.

Thence N. 36° 39' E.

365 Left bank of dry wash, 20 ft. wide, course S. 85° W.

466.5 Cor. No. 2.

Set a yellow pine post, 3½ ft. long, 4 ins. sq., 24 ins. in the ground, and in a monument of stone, mkd. S-2-4315 B.

No local bearing trees or objects available.

Thence S. 53° 21' E.

466.5 Cor. No. 3.

On granite bedrock outcrop 8 ins. above general surface, point for Cor. No. 3, mkd. x S-3-4315 B, with a monument of stone, 4 ft. high and 2½ ft. diam. at the base, erected on the north side of the point.

No local bearing trees or objects available.

Thence S. 36° 39' W.

76 Right bank of dry wash, 20 ft. wide, course N. 82° W.

466.5 Cor. No. 4.

Set a yellow pine post, 3½ ft. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. S-4-4315 B; from which

Greenwood Peak, bears N. 52° 23' E.

Thence N. 53° 21' W.

466.5 Cor. No. 1, the place of beginning.

The State Mill Site contains 4.996 acres.

Survey No. 4315 A and B

AREAS

	Acres
Total area, State lode - - - - -	20.661
Area in conflict	0.00
Total area, State Mill Site - - - - -	4.996

LOCATION

This survey is located in the SE¼ of unsurveyed sec. 4, T. 13 N., R. 12 W., G. & S.R. Meridian.

The survey of the State lode and the State Mill Site is identical with the respective locations as marked out on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode location embraced in said mining claim by the claimant, or its grantors are as follows:

- No. 1 The discovery shaft of the State lode, the center of which being the discovery point, is on the lode line, 650 ft. from a point on line 2-3, 300 ft. from Cor. No. 2, 6 x 8 ft., 40 ft. deep, timbered.
Value, \$600.
- No. 2 A tunnel 5x7 ft., the portal of which bears N. 47° W., 30 ft. from the center of the discovery shaft, and runs N. 10° E., 120 ft. to the breast.
Value, \$840.
- No. 3 A tunnel 5x7 ft., the portal of which bears S. 77° E., 165 ft. from the center of the discovery shaft, and runs S. 76° E., 65 ft.
Value, \$455.

No interest in these improvements has been credited heretofore as patent expenditures to any other lode claim.

FIELD ASSISTANTS

Name	Capacity
Bradley B. Lorton	Chainman

LOCATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, John T. Jordan, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated December 11, 1947,
I have, in strict conformity to the laws of the United States, the official regulations
and instructions thereunder, and the instructions of said Office Cadastral Engineer,
faithfully and correctly executed the survey of the mining claim of
Jeanne Berger, known as the
State Mining Claim and State Mill-Site,
situate in Greenwood Mining District,
Mohave County, Arizona, in Section
4 (unsurveyed), Township No. 13 N., Range No. 12 W.
and designated as Survey No. 4315 A & B, as represented
in the foregoing field notes, which accurately show the boundaries of said mining claim
as distinctly marked by monuments on the ground, and described in the attached copy of
the location certificate, which was received by me from the Office Cadastral Engineer
with said instructions, and that all corners of said survey have been established and
perpetuated in strict accordance with the law, official regulations and instructions
thereunder; and I do further solemnly swear that the foregoing are the true and original
field notes of said survey and my report therein, and that the labor expended and im-
provements made upon said mining claim by claimant or her
grantors are as therein fully stated, and that the character, extent, location, and
itemized value thereof are specified therein with particularity and full detail, and
that no portion of said labor or improvements so credited to this claim has been included
in the estimate of expenditures upon any other claim.

John T. Jordan
(Mineral Surveyor)
John T. Jordan

Subscribed and sworn to by the said
Mineral Surveyor, before me N. W. PHELPS

this 31st
day of July, 1948

N. W. Phelps
KINGMAN, ARIZONA

MY COMMISSION EXPIRES MARCH 12th, 1948 1952.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
~~GENERAL LAND OFFICE~~
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

September 23, 1948

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of Jeanne Berger

....., known as the
State Mining Claim and State Mill Site

situate in Greenwood mining district,

Mohave County, Arizona

in Section 4 (Unsurveyed), Township No. 13 North, Range No. 12 West

G. & S. R. M., designated as Survey No. 4315 A & B

executed by John T. Jordan, Mineral

Surveyor, April 21 to June 17, 1948, under my instructions dated

December 11, 1947, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Frank W. Chapin
Office Cadastral Engineer.

