## 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 <u>December 11</u> , 1947
by <u>John T. Jordan</u> U. S. Mineral Surveyor.
Claim located
Survey commenced April 21 , 1948
Survey completed June 17 , 1948
Address of claimant Kingman, Arizona
DATES OF AMENDED LOCATIONS  None

# UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

MATICAL SURVEY NO. ........

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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° 29' 30" N., and longitude 113° 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 = 5h 12m 26.2s p.m.

Declination of sun at mean

time of observation = 12° 05° 48.8" N.

Mean observed vertical angle

to sun's center = 23° 20.51

Mean horizontal angle from reference point to sun's

center = 168° 10' 30" SE-W
True bearing to reference point = S. 79° 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° 10' E.

#### Survey No. 4315 A.

Feet

#### STATE LODE

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° 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° 17' W., 12.5 ft. dist., mkd. x BR-S-1-4315 A.

Thence S. 79° 16' E.

Feet	react one lettuck a dilw chem sow yerros cial my
1500.0	Cor. No. 2.
lediction being ever	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
bis veyes	A distant peak, known as Greenwood Peak, bears N. 40° 49° E.
and a	No bearing trees or objects available.
mis,	Thence S. 10° 44° W.
300.0	Lode line; discovery point bears N. 79° 16' W., 650 ft. dist.
521	Right bank of dry wash, 30 ft. wide, course N. 75° W.
600.0	Cor. No. 3
	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
	Greenwood Peak, bears N. 37° 34' E.
	No bearing trees or objects available.
W-	Thence N. 79° 16' W.
242	Right bank of dry wash (tributary), 20 ft. wide, course N. 13° W.
1500.0	Cor. No. 4
ve mor	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
the in-	A monument of stone, 24 ins. high and 24 ins. diam. at the base, bears S. 30° W., 5.0 ft. dist.
swep ter	A palo verde tree, 5 ins. diam., bears S. 59° 15' E., 62.2 ft. dist., mkd. x BT-S-4-4315 A.
	Greenwood Peak, bears N. 49° 47' E.
	Thence N. 10° 44° E.
300.0	Lode line; discovery point bears S. 79° 16' E., 850 ft. dist.
570	Left bank of dry wash, 30 ft. wide, course N. 50° W.
600.0	Cor. No. 1, and place of beginning.
	do all macros de la companya del companya de la companya del companya de la compa
final . S	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
AND ROSE OF THE LOCAL PROPERTY OF THE PARTY	

		Survey No. 4315 B.
	Feet	
	l sito f no ino b	Mhe com of com 7 3 4 M 37 37 D 30 W 3
		Cor. No. 1, Sur. No. 4315A, State lode bears S. 28° 41' W., 809.53 ft. dist.
+8	rongari L	Greenwood Peak, bears N. 57° 22' E.
	noidheo edl t	Thence N. 36° 39' E.
	365	Left bank of dry wash, 20 ft. wide, course S. 85° W.
40	466.5	Cor. No. 2. no si , salog wrevoorab ent sales
O	. 3 .3	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.
. 0	saur 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.
. (2)	slo sbo	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, $3\frac{1}{2}$ 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
		Total area, State lode 20.661 Area in conflict Total area, State Mill Site 4.996
		LOCATION
		This survey is located in the SE4 of unsurveyed sec. 4, T. 13 N., R. 12 W., G. & S.R.Meridian.

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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:

- 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. 1
- 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. No. 2 Value, \$840.
- 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. 3

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

#### FIELD ASSISTANTS

Greenwood Peak, bears W. Too Colons

Cor. No. 11, the place of berianism.

Name

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U. S. GOVERNMENT PRINTING OFFICE 16-28520-1

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

### FINAL OATH OF MINERAL SURVEYOR

I,	John T. Jordan	, Mineral Surve	yor
do solemnly swear that,	in pursuance of insta	ructions received from the Office Cadas	tra
Engineer, at Phoeni:	x, Arizona	, dated December 11, 1947	
I have, in strict confo	rmity to the laws of th	he United States, the official regulat	ion
and instructions there	under, and the instru	uctions of said Office Cadastral Engin	eer
faithfully and correct	ly executed the surve	ey of the mining claim of	
Jear	ne Berger	, known as	th
State Mi	ining Claim and Si	tate Mill-Site	
situate in	Greenwood	Mining Distr	ict
Mohave	County,	Arizona , in Sec	tio
4 (unsurveyed) ,	Township No. 13	N., Range No. 12 W.	
and designated as Surve	y No. 4315 A & B	, as represe	nte
in the foregoing field	notes, which accurate	ely show the boundaries of said mining c	lai
as distinctly marked by	monuments on the gro	ound, and described in the attached cop	ус
the location certifica	te, which was receive	ed by me from the Office Cadastral Engi	nee
with said instructions,	and that all corners	s of said survey have been established	ar
perpetuated in strict	accordance with the l	law, official regulations and instruct	ior
thereunder; and I do fu	rther solemnly swear	that the foregoing are the true and orig	ina
field notes of said sur	evey and my report the	erein, and that the labor expended and	in
provements made upon sa	id mining claim by cl	laimant or her	
grantors are as therei	n fully stated, and t	that the character, extent, location,	ar
itemized value thereof	are specified therei	in with particularity and full detail,	ar
that no portion of said	labor or improvements	so credited to this claim has been incl	ude
in the estimate of expen	nditures upon any othe	er claim.	
		, A	
		of t. Jordan	
		(Minera Surveyor)	
Subscribed and sworn t	by the said	John Jordan	
Mineral Surveyor, befor	re me N. W. PHELPS	3	
		this 3/21	
day of Out	19 48		
	/	Mentolin	
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### UNITED STATES DEPARTMENT OF THE INTERIOR

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### FINAL OATH OF MINERAL SURVEYOR

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## CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

## UNITED STATES DEPARTMENT OF THE INTERIOR BURE ALL OF LAND WAYAGE WENT

PUBLIC SURVEY OFFICE

At Phoenix, Arizona
September 23, 1948
I, Office Cadastral Engineer at Phoenix, Arizona
lo 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
ituate in mining district,
Mohave County, Arizona
n Section 4 (Unsurveyed), Township No. 13 North , Range No. 12 West
.& S.R.M., designated as Survey No. 4315 A & B
xecuted 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
orrections and explanations made, and the said Field Notes and Return, and the Survey they describe,
re hereby approved. The certified copy of the location certificate filed by the applicant for survey is
n file in this office and a true copy of said certified copy of said location certificate is included and
nade a part of the transcript of the field notes.
Frank M. Kapin. Office Cadastral Engineer.

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## CERTIFICAVE OF AMPROVAL OF FIGUR MOLESTAND SURVEY OF MINING CLAIM

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