

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4491

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Banner Mining Company

Known As The

New Era and Reina Blanca lodes

Pima Mining District,

Pima County, Arizona

Section 6&31, Township 17 & 18 S., Range 13E., G.&S.R.R.&M.
May 20, 1959

Surveyed under order dated Amended July 12, 1960 19

by Harvey W. Smith
Mineral Surveyor.

Claim located New Era Oct. 2, 1950
Reina Blanca Oct. 11, 1939, 19
Survey commenced June 1, 1959
Survey completed Sept. 1, 1960
Address of claimant P.O. Box
Tucson, Arizona

DATES OF AMENDED LOCATIONS

New Era Sept. 14, 1959

Reina Blanca Sept. 14, 1959

SURVEY NO. 4491

(1)

Chains
feet

This survey was made with a C.L. Berger & Sons transit, No. 15045, with horizontal limb $6\frac{1}{2}$ ins. diam., having two double opposite verniers and full vertical circle 5 ins. diam. having one double vernier, the verniers read to one minute of arc. The instrument is equipped with a colored eye-shade, to be attached for making direct observations on 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 horizontal-angles-right referred to the meridian established by the following direct observation on the sun: At 9:15 AM. on June 13, 1959, at Cor. No. 1 of the Reina Blanca lode, latitude $31^{\circ} 53' 10.3'' N.$, longitude $111^{\circ} 03' 38.2'' W.$, turning from a reference point about 345 ft. northeast clockwise to the sun in an east direction.

True bearing of reference pt.

$N. 7^{\circ} 04' E.$

The lines were measured with a Lufkin steel tape, 300 ft. in length graduated every foot for 299 ft. and the remaining foot graduated to tenths and hundredths. The tape was compared to a standard at the beginning of the survey and found to be correct.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of $13^{\circ} 30' E.$

SURVEY NO. 4491

Beginning at Cor. No. 1 of the Reina Blanca lode, identical with Cor. No. 1, Sur. No. 3510, The Pride lode and identical with Cor. No. 1, Standard Copper lode, Cor. No. 1, Copper King lode and Cor. No. 1, Copper Queen lode, all of Sur. No. 2643.

Found a stone marked and witnessed as described in the official record. Replace stone with a galvanized iron pipe, 18 ins. long, $3\frac{3}{4}$ in. diam., set in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam. firmly set within the iron post, mkd. MS 4491 RB 1 MS 2643 SC 1 CK 1 CQ 1 X; from which

The S. & Cor. 1 sec. 1, T. 18 S., R. 12 E., G. & S. R. 30 & M. 1 bears $S. 32^{\circ} 24' 30'' W.$, 6172.06 ft. dist.; a stone 6x3 ins., 5 ins. above ground marked and witnessed as described in the official record.

A mound of stones constructed adjacent to the iron post on the lode line; discovery pt. bears $S. 65^{\circ} 59' E.$, 750 ft. dist.

Chains
Feet

1931

345.01

Cor. No. 2 identical with Cor. No. 2, Sur. No. 3510, The
Pride lode, on line 1-2, Sur. No. 2643, Standard Copper

Found a galvanized iron post, firmly set, marked and wit-
nessed as described in the official record.

I change the markings to MS 4491 RB 2; from which

Cor. No. 2 Standard Copper lode, Sur. 2643
bears N 70° E, 254.50 ft. dist.

A mound of stones constructed adjacent
to the iron post.

Thence S. 65° 59' E.

655.0

Twin Buttes paved highway bears N 93° W. and S 53° E.

1475.33

Cor. No. 3, identical with Cor. No. 3, Sur. No. 3510, The
Pride lode and Cor. No. 1, Sur. No. 3510, Oregon lode
and identical with Cor. No. 2, New Era lode of this
survey.

Found a galvanized iron post, firmly set, marked and wit-
nessed as described in the official record.

I change the markings to MS 4491 RB 3 NE 2 X; from which

Bearing Marker, a cement slab, 12 ins.
diam., 6 ins. thick, set 4 ins. in
the ground bears S. 20° 50' 30" W., 23.58
ft. dist. Mkd. BM MS 4491 RB 3 NE 2 X

A mound of stones constructed adjacent
to the iron post.

Thence S. 7° 04' W.

200.0

Lode line; discovery pt. bears N. 65° 59' W., 725.33 ft. dist.

345.25

Cor. No. 4, identical with Cor. No. 4, Sur. No. 3510, The
Prade lode and Cor. No. 2, Sur. No. 3510, Oregon lode
and identical with Cor. No. 1, New Era lode of this sur-
vey; Cor. No. 4, Copper Queen lode and Cor. No. 1, Cop-
per Glance lode, both of Sur. No. 2643.

Found a stone properly marked and witnessed as described
in the official record. Replace stone with a galvaniz-
ed iron pipe, 48 ins. long, 3/4 in. diam., set in a 15
pound concrete and rock base, with a brass cap, 2 ins.
diam., firmly fastened within the iron post, mkd. MS
4491 RB 4 NE 1 MS 2643 CQ 4 CG 1 X; from which

145.01

Lode line; discovery pt. bears S. 65° 59' E., 750 ft. dist.

SURVEY NO. 4491

(3)

Chains feet	
	<p>The S. $\frac{1}{4}$ cor. sec. 1, T. 18S., R. 12E., G. & S. R. B. & M. bears S. $45^{\circ} 16' 30''$ W., 6551.80 ft. dist., previously described.</p> <p>Thence N. $65^{\circ} 53'$ W.</p>
162.0	Twin Buttes paved highway bears N. 13° W., and S. 13° E.
1474.97	Cor. No. 1 and place of beginning.
	<p style="text-align: center;">NEW ERA LODE</p> <p>Beginning at Cor. No. 1 of the New Era lode, identical with Cor. No. 2, Sur. No. 3510, Oregon lode and Cor. No. 4, Sur. No. 3510, The Pride lode and Cor. No. 4, Reina Blanca lode of this survey and Cor. No. 4, Copper Queen lode and Cor. No. 1, Copper Glance lode, both of Sur. No. 2643, previously described.</p> <p>Thence N. $7^{\circ} 04'$ E.</p>
45.25	Lode line; discovery pt. bears S. $66^{\circ} 20'$ E., 922.04 ft. dist.
345.25	<p>Cor. No. 2, identical with Cor. No. 1, Sur. No. 3510, the Oregon lode and Cor. No. 3, Sur. No. 3510, the Pride lode and Cor. No. 3, Reina Blanca lode of this survey, previously described.</p> <p>Thence S. $66^{\circ} 20'$ E.</p>
1337.04	<p>Cor. No. 3, identical with Cor. No. 4, Sur. No. 3510, the Oregon lode, on line 4-1, Sur. No. 2643, Bullion No. 2 lode.</p> <p>Found a galvanized iron post, firmly set, marked and witnessed as described in the official.</p> <p>I change the markings to MS 4491 NE 3 X; from which</p> <p style="text-align: center;">A mound of stones constructed adjacent to the iron post.</p> <p style="text-align: center;">Cor. No. 4, Bullion No. 2 lode, Sur. No. 2643, bears N. $7^{\circ} 04'$ E., 72.11 ft. dist.</p> <p style="text-align: center;">Thence S. $7^{\circ} 04'$ W.</p>
300.0	Lode line; discovery pt. bears N. $66^{\circ} 20'$ W., 415.0 ft. dist.
527.03	<p>Cor. No. 4, identical with Cor. No. 3, Sur. No. 3510, the Oregon lode and identical with Cor. No. 1, Bullion No. 2 lode, Cor. No. 1 Copper Bullion lode and Cor. No. 2 Copper Glance lode, all of Sur. No. 2643.</p> <p>Found a stone properly mkd. and witnessed as described in the official record. Replace stone with a galvanized iron post, 18 ins. long, $\frac{3}{4}$ in. diam., set in a 15</p>

Chains
Feet

... pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam. firmly fastened within the iron post mkd.; MS 4491 NE 4 MS 2643 B 2 1 CB 1 CG 2' X; from which

A mound of stones constructed adjacent to the iron post.

Thence N.59°14'W.

1399.80 Cor. No.1 and place of beginning.

SURVEY NO. 4491

AREAS

	Acres
Total area Reina Blanca lode	11.180
Total area New Era lode	12.830

LOCATION

This survey is located in the SW 1/4, sec. 31, T.17S., R.13E. and the NW 1/4 and NE 1/4, sec. 6, T.18S., R.13E., G.&S. R.B.&M., Arizona.

The survey of the Reina Blanca and New Era lodes is identical with the respective location or amended location as marked on the ground.

I change the markings to MS 4491 NE 4; from which

Thence S.7°04'W.

Lode line; discovery pt. bears N.66°20'W., 415.0 ft. dist.

Cor. No. 4, identical with Cor. No. 3, Sur. No. 3510, the Oregon lode and identical with Cor. No. 1, Bullion No. 2 lode, Cor. No. 1 Copper Bullion lode and Cor. No. 2 Cor. Glance lode, all of Sur. No. 2643.

Found a stone properly mkd. and witnessed as described in the official record. Replace stone with a galvanized iron post, 18 ins. long, 3/4 in. diam., set in a 12

Chains
Feet

EXPENDITURES

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

No. 1 The discovery shaft of the New Era lode is on the lode line 415.0 ft. from a pt. on line 3-4, 300.0 ft. from Cor. No. 3; 4x6 ft. in size, 25 ft. deep.

Value, \$1250.

No. 2 A pit, the SE. cor. of which bears N. 36° 30' W., 470 ft. dist. from Cor. No. 4 of the New Era lode; 8x6 ft. in size, 3 ft. deep.

Value, \$40.

No. 3 A pit, the SE. cor. of which bears No. 20 W., 165 ft. dist. from Cor. No. 4 of the New Era lode; 4x5 ft. in size, 12 ft. deep.

Value, \$150.

No. 4 A pit, the SE. cor. of which bears N. 6° W., 160 ft. dist. from Cor. No. 4 of the New Era lode; 6x4 ft. in size, 3 ft. deep.

Value, \$25.

No. 5 A pit, the SE. cor. of which bears N. 10° W., 180 ft. dist. from Cor. No. 4 of the New Era lode; 4x4 ft. in size, 4 ft. deep.

Value, \$20.

No. 6 A pit, the NW. cor. of which bears S. 24° E., 215 ft. dist. from Cor. No. 2 of the New Era lode; 7x8 ft. in size, 4 ft. deep.

Value, \$40.

No. 7 A pit, the NW. cor. of which bears S. 41° 30' E., 185 ft. dist. from Cor. No. 2 of the New Era lode; 8x8 ft. in size, 7 ft. deep.

Value, \$150.

No. 8 A pit, the NW. cor. of which bears S. 47° 30' E., 190 ft. dist. from Cor. No. 2 of the New Era lode; 5x20 ft. in size, 4 ft. deep.

Value, \$200.

No. 9 A pit, the NW. cor. of which bears S. 53° E., 175 ft. dist. from Cor. No. 2 of the New Era lode; 6x6 ft. in size, 4 ft. deep.

Value, \$40.

No. 10 A pit, the north end of which bears S. 55° E., 155 ft. dist. from Cor. No. 2 of the New Era lode; 6x35 ft. in size, 6 ft. deep.

Value, \$250.

Chains feet	
No.11	A pit, the NW. cor. of which bears S.53° E., 150 ft. dist. from Cor. No.2 of the New Era lode; 7x7 ft. in size, 3 ft. deep. Value, \$25.
No.1	The discovery Monument of the Reina Blanca lode is on the lode line 750 ft. from a pt. on line 1-2, 145.01 ft. from Cor. No.1. Value, None.
No.2	A pit, the NE. cor. of which bears S.15° W., 25 ft. dist. from Cor. No.3, of the Reina Blanca lode; 6x6 ft. in size, 4 ft. deep. Value, \$25.
No.3	A pit, the NE. cor. of which bears S.70° W., 65 ft. from Cor. No.3 of the Reina Blanca lode; 6x6 ft. in size, 4 ft. deep. Value, \$25.
No.4	A pit, the NW. cor. of which bears S.5° 30' E., 320 ft. dist. from Cor. No.2 of the Reina Blanca lode; 8x8 ft. in size, 3 ft. deep. Value, \$30.
No.5	A pit, the west end of which bears S.26° 30' E., 330 ft. dist. from Cor. No.2 of the Reina Blanca lode; 8x40 ft. in size, 5 ft. deep. Value, \$225.
No.6	A pit, the west end of which bears S.35° 30' E., 400 ft. dist. from Cor. No.2 of the Reina Blanca lode; 8x50 ft. in size, 5 ft. deep. Value, \$250.
No.7	A pit, the NW. cor. of which bears S.48° E., 495 ft. dist. from Cor. No.2 of the Reina Blanca lode; 6x8 ft. in size, 2 ft. deep. Value, \$20.
No.8	A pit, the NW. cor. of which bears S.48° E., 505 ft. dist. from Cor. No.2 of the Reina Blanca lode; 6x4 ft. in size, 2 ft. deep. Value, \$15.
No.9	A pit, the NW. cor. of which bears S.51° E., 515 ft. dist. from Cor. No.2 of the Reina Blanca lode; 6x6 ft. in size, 3 ft. deep. Value, \$20.

OTHER IMPROVEMENTS

An ore bin, wood construction, the SW. cor. of which bears S.71° 30' E., 500 ft. dist. from Cor. No.1 of the

SURVEY NO. 4491

(7)

Chains
Feet

Chain

Reina Blanca lode; 12x85 ft., 15 ft. high.
Claimant unknown.

OTHER CORNER DESCRIPTIONS &
SUPPLEMENTAL DATA

The S. $\frac{1}{4}$ cor. of Sec. 1, T. 18S., R. 12E., G. & S. R. B. & M. was used as a tie because no nearer section corners or $\frac{1}{4}$ corners could be found.

Sur. No. 2643, Standard Copper lode, Cor. No. 1 identical with Cor. No. 1, Copper King lode and Cor. No. 1, Copper Queen lode was a stone marker properly marked. It was replaced with an iron post and brass cap as previously described.

Sur. No. 2643, Cor. No. 2, Standard Copper lode is an iron post. Line 1-2 was found to be N. $7^{\circ}04'E.$, 599.51 ft. instead of N. $7^{\circ}04'E.$, 600.0 ft. as approved. Sur. No. 2643, Cor. No. 4, Copper Queen lode, identical with Cor. No. 1, Copper Glance lode was a stone properly marked. It was replaced with an iron post and brass cap as previously described. Line 4-1 Copper Queen lode was found to be N. $65^{\circ}58'W.$, 1474.97 ft. instead of N. $65^{\circ}58'15''W.$, 1475.90 ft. as approved. Sur. No. 2643, Copper Glance lode, Cor. No. 2 identical with Cor. No. 1, Copper Bullion lode and Cor. No. 1, Bullion No. 2 lode was a stone properly marked. It was replaced with an iron post and brass cap as previously described. Line 1-2, Copper Glance lode, is approximately correct as approved. Sur. No. 2643, Bullion No. 2 lode, Cor. No. 4, is a stone firmly set and properly marked. Line 4-1 was found to be S. $7^{\circ}04'W.$, 599.14 ft. instead of S. $7^{\circ}04'W.$, 600.0 ft. as approved.

The stone markers were replaced because there was insufficient space for additional markings.

FIELD ASSISTANTS

Name	Capacity
Russell Hart	Chainman
Richard Cleveland	Axeman

Chains

Page

Points: 1235 ft., 12 ft. high.
Chain: unknown.

OTHER CORNER DESCRIPTIONS & SUPPLEMENTAL DATA

The S.A. cor. of Sec. 1, T. 122, R. 12E, C. 2, R. 22N was used as a tie because no nearer section corners could be found.

Stn. No. 2043, Standard Copper Lode, Cor. No. 1, identical with Cor. No. 1, Copper King Lode and Cor. No. 1, Copper Green Lode was a stone marker properly marked. It was replaced with an iron post and brass cap as previously described.

Stn. No. 2043, Standard Copper Lode is a known post. Line 1-2 was found to be N. 70° E., 299.51 ft. instead of N. 70° E., 300.0 ft. as approved. Stn. No. 2043, Copper Green Lode, identical with Cor. No. 1, Copper Green Lode was a stone marker properly marked. It was replaced with an iron post and brass cap as previously described. Line 1-2 of Copper Green Lode was found to be N. 70° E., 299.97 ft. instead of N. 70° E., 300.00 ft. as approved. Stn. No. 2043, Copper Green Lode, Cor. No. 1, identical with Cor. No. 1, Copper King Lode and Cor. No. 1, Copper Green Lode was a stone marker properly marked. It was replaced with an iron post and brass cap as previously described. Line 1-2, Copper Green Lode, is approximately correct as approved. Stn. No. 2043, Copper Green Lode, Cor. No. 1, is a stone marker set and properly marked. Line 1-2 was found to be S. 70° W., 300.12 ft. instead of S. 70° W., 300.0 ft. as approved.

The stone markers were replaced because there was insufficient space for additional markings.

FIELD ASSISTANTS

Name	Capacity
Russell Hart	Chairman
Richard Cleveland	Assessor

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Aug. 30, 1960

I, Harvey W. Smith,
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the _____
Cadastral Engineer, at Phoenix, Arizona
May 20, 1959
 dated Amended July 12, 1960, I have faithfully and correctly executed the survey of
 the mining claim of Banner Mining Company,
 known as the New Era and Reina Blanca Lodes
(Lode, placer, or mill site)
 situate in Pima Mining District, Pima County, Secs. 6 & 31,
 T. 17 & 18S, R. 13E., G & S.R.B. & Meridian, Arizona, and
(State)
 designated as Survey No. 4491, which is represented in the foregoing field notes as having been
 executed by me and under my direction, and that said survey has been made in strict conformity with said order,
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made
 upon or for the benefit of the lodes location(s) embraced in the said mining claim by
(Lode or placer)
 claimant(s) or its grantors are fully stated in my report therein, and that the character,
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no
 portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
 of expenditures upon any other claim.

Scottsdale, Arizona
(Place)

Harvey W. Smith
(Mineral Surveyor)
 Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office
(Office)
Phoenix, Arizona May 25, 1961
(Place) (Date)

The foregoing field notes of mineral survey No. 4491, in Secs. 31 and 6
 _____, T. 17 & 18 S., R. 13 E., G. & S. R. Meridian,
Arizona, executed by Harvey W. Smith, Mineral Surveyor,
(State) May 20, 1959
 under order dated Am. July 12, 1960, having been critically examined and the necessary
 corrections made prior to their certification by the surveyor, the field notes and the survey therein described
 are hereby approved.

Lester S. Mann
 Lester S. Mann
 Office Cadastral Engineer
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____
 is a true copy of the original field notes.

(Title)

