

Original

4-879  
(April 1933)

BOOK 4135

Book A.

# FIELD NOTES

4135

1

of the

resurvey of the line between sections 30 and 31, and metes-and-bounds  
survey of bodies of land classified as mineral bearing, included with-  
in the Town, Zinc and Gold Silver mining claims, in section 31,  
Township 20 South, Range 14 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

Horace M. Muscott, Public Land Surveyor

Under special instructions dated October 3, 1934, which provided  
for the surveys included under Group No. 205, bearing the approval of the  
Commissioner of the General Land Office under date of April 17, 1935,  
and assignment instructions dated February 4, 1936.

Survey commenced April 11, 1936.

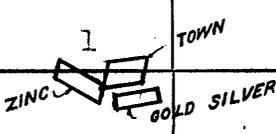
Survey completed April 14, 1936.

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BOOK 4135

# INDEX DIAGRAM.

Township 20 South, Range 14 East

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## Resurvey of Subdivisions of T.20 S., R.14 E.

4185

## Chains

This survey in T.20 S., R.14 E., was executed with a Buff light mountain transit No. 16723, 1924 model, which is equipped with a full vertical circle and the improved Smith solar attachment. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the District Cadastral Engineer on February 4, 1936. I examined all the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all lines were determined by the method of deflection angles from the meridian obtained from observation on Polaris. The measurements were made with a Lufkin steel tape, 5 chs. in length, graduated every link for the first 100 lks., and the balance at intervals of 10 lks. The tape was tested by comparison with a standard tape and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position for the SE. cor. of the Tp., as follows: latitude  $31^{\circ}38'10''$ N., and longitude  $110^{\circ}51'25''$ W.

April 11, 1936, at the  $\frac{1}{2}$  sec. cor. of secs. 30 and 31, at 6h16.4m p.m., l.m.t., I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and mark the mean point with a nail in a stake driven firmly in the ground 8 chs. N. The azimuth of Polaris at western elongation as obtained from the ephemeris is  $1^{\circ}13'19''$ . I lay off this angle to the right and mark a point in the meridian on another stake 8 chs. N.

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This line was originally surveyed by Sidney E. Blout, U.S. Cadastral Engineer, in 1923.  
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The cor. of secs. 29, 30, 31 and 32 is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

Thence

West, on a random line bet. secs. 30 and 31.

40.00 A point 9 lks. N. of the  $\frac{1}{2}$  sec. cor. of secs. 30 and 31, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record.

88.65 A point 20 lks. N. of the closing cor. of secs. 30 and 31 which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

The true bearing of this line is therefore  $S.89^{\circ}52'W.$ , and the distance 40.00 chs. for the E. half and 48.65 chs. for the W. half.

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Mineral Segregation Survey.  
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Metes-and -bounds survey of tracts of land classified as mineral bearing, but not covered by mineral patent survey, in secs. 30 and 31 of T.20 S., R.14 E., Gila and Salt River Meridian, Arizona.

A representative of the mineral claimants was on the ground and the position of each claim was identified by location corners in place.

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TOWN MINING CLAIM.  
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The NW. location cor. of the Town Mining Claim is a post, 4 ins. sqr., 4 ft. long, set in a mound of stone. In place

BOOK 4185

## Mineral Segregation Survey.

Chains of old post,

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No.1 of the Town Mining Claim, with brass cap mkd.

1  
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1936

From this cor., the  $\frac{1}{2}$  sec. cor. bet. secs. 30 and 31, bears S.71°50'W., 7.09 chs. dist.

Thence

S.1°45'W., along the W. end line of the Town Mining Claim.

Over rolling land.

2.19 Intersect the line bet. secs. 30 and 31. From this point, the  $\frac{1}{2}$  sec. cor. bears S.89°52'W., 6.64 chs.

4.54 The W. end center location cor. of the Town Mining Claim, which is a mound of stone.

From this point, the old discovery pit, bears N.80°30'E. 110 lks. dist.

8.84 The SW. location cor. of the Town Mining Claim, which is a mound of stone.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No.2 of the Town Mining Claim, with brass cap mkd.

2  
T  
1936

Thence

N.80°30'E., on S. side line of the Town Mining Claim.

Over rolling land.

21.44 The SE. location cor. of the Town Mining Claim, which is a mound of stone.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No.3 of the Town Mining Claim, with brass cap mkd.

T  
3  
1936

Thence

N.1°45'E., on E. end line of the Town Mining Claim.

Over rolling land.

3.17 Intersect the line bet. secs. 30 and 31.

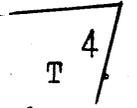
From this point, the cor. of secs. 29, 30, 31 and 32, bears N.89°52'E., 12.28 chs.; hereinbefore described.

4.30 The E. end center location monument, bears N.80°30'E., 46 lks. dist.; a mound of stone, 3 ft. base, 2½ ft. high.

8.84 Set an iron post, 3 ft. long, 1 in. diam.; 8 ins. in the

## Mineral Segregation Survey.

Chains ground, and in a mound of stone to top, for cor. No.4 of the Town Mining Claim, with brass cap mkd.



1936

The NE. location cor. of the Town Mining Claim, bears N.80°30'E., 88 lks. dist.; a mound of stone, 3 ft. base, 2 ft. high.

Thence

S.80°30'W., on N. side line of the Town Mining Claim.

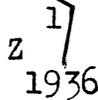
Over rolling land.

21.44 Cor. No. 1 of the Town Mining Claim, the place of beginning.

ZINC MINING CLAIM.

At a point on the W. end line of the Town Mining Claim,

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No. 1 of the Zinc Mining Claim, with brass cap mkd.



1936

The NE. location cor. of the Zinc Mining Claim, bears N.1°45'E., 24 lks. dist.

Thence

N.60°32'W., on N. side line of the the Zinc Mining Claim.

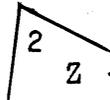
Desc. along SW. slope, over rolling land.

4.69 Gulch, course SW.

11.28 Intersect the line bet. secs. 30 and 31.

From this point, the  $\frac{1}{4}$  sec. cor. of secs. 30 and 31, bears N.89°52'E., 3.31 chs. dist.; hereinbefore described.

22.727 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for cor. No. 2 of the Zinc Mining Claim, with brass cap mkd.



1936

raise a mound of stone, 3 ft. base, 2 ft. high SE. of post.

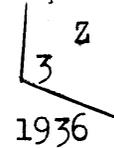
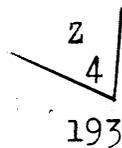
The NW. location cor. of the Zinc Mining Claim, bears N.60°32'W., 190 lks. dist.; a stake 2 ins. sqr., 4 ft. long in mound of stone 4 ft. base and 2 ft. high.

Thence

S.1°45'W., on W. end line of the Zinc Mining Claim.

Over rolling land.

## Mineral Segregation Survey.

Chains	
3.90	Wash, 6 ft. deep, course N.75°W.
4.67	From this point, the W. end center location monument bears N.60°32'W., 176 lks. dist.; a stake 2 ins. sqr., 4 ft. long in mound of stone 3 ft. base, 2 ft. high.
5.68	Intersect the line bet. secs. 30 and 31.  From this point, the $\frac{1}{4}$ sec. cor. of secs. 30 and 31, bears N.89°32'E., 13.42 chs. dist.
9.43	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No. 3 of the Zinc Mining Claim, with brass cap mkd.
	 <p>From this point, the SW. location cor. of the Zinc Mining Claim, bears N.60°32'W., 190 lks. dist.; a mound of stone 3 ft. base, 2 ft. high.</p>
	Thence  S.60°32'E., on S. side line of the Zinc Mining Claim.  Over rolling land.
17.20	Wire fence, bears E. and W.; wash, 6 lks. wide, course SW.
22.727	The SE. location cor. of the Zinc Mining Claim, which is a mound of stone.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No. 4 of the Zinc Mining Claim, with brass cap mkd.
	 <p>raise a mound of stone, 3 ft. base, 2 ft. high NW. of post.</p>
	Thence  N.1°45'E., on E. end line of the Zinc Mining Claim.  Over rolling land.
2.76	Wire fence, bears S.88°30'E. and N.88°30'W.
2.95	Wash, course SW.
4.76	The E. end center location monument of the Zinc Mining Claim, which is a mound of stone.
6.96	Old road, bears SE. and NW.
8.36	Cor. No. 2 of the Town Mining Claim, hereinbefore described.
9.43	Cor. No. 1 of the Zinc Mining Claim, and place of beginning.

## Mineral Segregation Survey.

Chains

## GOLD SILVER MINING CLAIM.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No. 1 of the Gold Silver Mining Claim, with brass cap mkd.

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From this point, the NE. location cor. of the Gold Silver Mining Claim, bears N.84°42'E., 1.14 chs. dist.; a post, 4 ins. sqr., 4 ft. long, set in a mound of stone.

The cor. of secs. 29, 30, 31 and 32, bears N.37°52'E., 11.79 chs. dist.; hereinbefore described.

Thence

S.84°42'W., on N. side line of the Gold Silver Mining Claim Over rolling land.

- 1.00 Small gulch, course SW.
- 3.40 Cottonwood Canyon, at falls, 30 lks. wide, 20 ft. deep, course N.80°W.
- 4.40 Rocky point, extends N.; desc. 80 ft. to
- 4.90 Cottonwood Canyon, 40 lks. wide, 20 ft. deep, course S.75°W.; asc. 80 ft.
- 7.80 Road, bears N.75°E. and S.75°W.
- 8.80 The discovery cut, bears S. 1.40 chs. dist.; an open cut, 4x6 ft., 10 ft. deep.
- 10.20 Wire fence, bears SE. and NW.
- 10.50 House, bears S. 80 lks. dist.
- 13.35 Wire fence, bears NE. and SW.
- 19.76 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bed rock, and in a mound of stone to top, for cor. No. 2 of the Gold Silver Mining Claim, with brass cap mkd.

2  
GS  
1936

From this point, the NW. location cor. of the Gold Silver Mining Claim, bears N.66°40'W., 2.20 chs. dist.; a post 4 ins. sqr., 4 ft. long, set in a mound of stone.

Thence

S.5°18'E., on W. end line of the Gold Silver Mining Claim.

Over rolling land.

- 1.13 Wire fence, bears E. and W.
- 3.41 From this point, the W. end center location cor., bears S.84°42'W., 94 lks. dist.; which is a mound of stone.
- 5.41 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bed rock, and in a mound of stone to top, for

Chains cor. No. 3 of the Gold Silver Mining Claim, with brass cap mkd.

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From this point, the SW. location cor., bears S. 5° 18' E., 2.46 chs. dist.; a post 4 ins. sqr., 4 ft. long, set in a mound of stone.

Thence

N. 84° 42' E., on S. side line of the Gold Silver Mining Claim

Over rolling land.

- 2.45 Cottonwood Canyon, 1 ch. wide, 8 ft. deep, with small stream of water, course S. 60° W.
- 11.25 S. wall of canyon, bears NE. and SW.
- 15.35 Robert Bergier's cabin, 12 x 16 ft., bears S. 50 lks. dist.
- 17.00 Left bank of Cottonwood Canyon, bears NW. and SE.
- 18.60 Right bank of Cottonwood Canyon, bears NW. and SE.
- 19.76 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for cor. No. 4 of the Gold Silver Mining Claim, with brass cap mkd.

G S  
4.

1936

raise a mound of stone, 3 ft. base, 2 ft. high NW. of cor.

Find no evidence of the SE. location monument.

Thence

N. 5° 18' W., on E. end line of the Gold Silver Mining Claim.

Over rolling land.

- 2.00 The E. end center location cor. of the Gold Silver Mining Claim, which is a mound of stone.
- 3.02 Wire fence, bears N. 75° W. and S. 75° E.
- 5.41 Cor. No. 1 of the Gold Silver Mining Claim, and place of beginning.



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CERTIFICATE OF UNITED STATES SURVEYOR

BOOK 4135

Surveyor

I, Horace M. Muscott, Public Land, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona

bearing date of the 3rd day of October, 1934, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed the line between sections 30 and 31, and made a metes-and-bounds survey of bodies of land classified as mineral bearing, included within the Town, Zinc and Gold Silver mining claims, in section 31, Township 20 South, Range 14 East,

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in

the foregoing field notes as having been executed by me, and under my direction; and that all the corners of ~~resurvey and~~ said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona

and in the specific manner described in the field notes, and that the foregoing are the original field notes of ~~resurvey and~~ such survey.

Heber, Arizona  
July 19, 1937.

*Horace M. Muscott*  
Public Land Surveyor

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, August 2, 1937.

The foregoing field notes of the ~~resurvey of the line between sections 30 and 31, and of the metes-and-bounds survey of bodies of land classified as mineral bearing, included within the Town, Zinc and Gold Silver mining claims, in section 31, Township 20 South, Range 14 East, of the Gila and Salt River Meridian, in the State of Arizona,~~

executed by Horace M. Muscott, Public Land Surveyor,

under his special instructions dated October 3, 1934, having been critically examined, and the necessary corrections and explanations made, the said ~~field notes, and the surveys~~ <sup>resurveys and</sup> they describe, are hereby approved.

*Walter H. Brown*  
U. S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~  
~~has been correctly copied from the original notes on file in this office.~~

~~U. S. Supervisor of Surveys.~~