

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

BCCM 4012

# FIELD NOTES

of the

Corrective Metes-and-Bounds Survey of bodies of land

classified as mineral bearing, included within the West

Side and West Side Turequise Mining Claims

in

Sections 17 and 20,

Township 19 South, Range 25 East,

4312

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

Ty White, Associate Cadastral Engineer, and

Bert E. Wakeman, Senior Engineering Aid,

General Land Office,

Under special instructions dated July 28, 1942, which provided for the surveys included under Group No. 173, bearing the approval of the Commissioner of the General Land Office under date of August 6, 1942 and assignment instructions dated November 27, 1944.

Survey commenced December 6, 1944.

Survey completed December 12, 1944.

# INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

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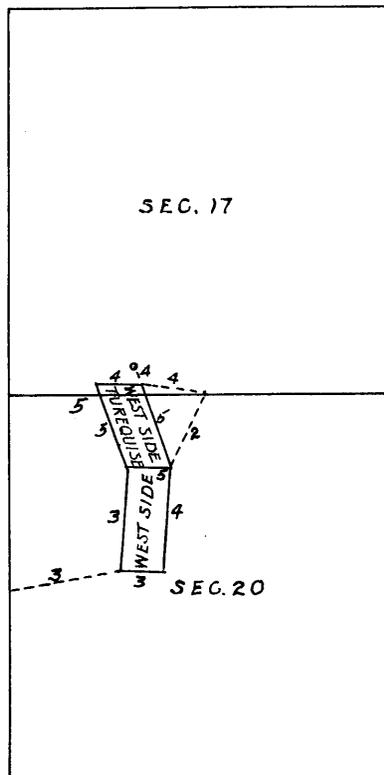
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INDEX DIAGRAM

T. 19 S., R. 25 E.

BOOK 4312



Corrective Segregation Survey of the West Side and West Side Turequise Mining Claims, T. 19 S., R. 25 E.

The corrective segregation survey of the West Side and West Side Turequise mining claims and the retracement of the west half of the line between secs. 17 and 20 in T. 19 S., R. 25 E., G. & S. R. M., Arizona, were executed with Buff light mountain solar transit No. 16724. The instrument was in good condition and having been placed in satisfactory adjustment prior to the beginning of the survey and tested and found free from appreciable error was approved by the district cadastral engineer.

The direction of the lines were determined by horizontal deflection angles from the meridian established by Polaris observation at the corner of the West Side, West Side Turequise and Grand View mining claims and carried forward by transit line. The measurements were made with a Lufkin steel tape, 5 chains in length, graduated to tenths of a link for the first 10 links, every link for the remainder of the first 100 links and the balance at intervals of 10 links. The tape was tested in comparison with a Lufkin standard steel tape and found correct. The measurements were made on the slope and the vertical angles ascertained with a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

Data obtained from the special instructions gives the geographic position of the corner of the West Side, West Side Turequise and the Grand View mining claims as follows: latitude  $31^{\circ} 46' N.$ , longitude  $109^{\circ} 50' 43'' W.$

December 6, 1944, at the above station, with Buff solar transit No. 16724, at 5h 11.1m p.m., l.m.t. or 5h 30.5m p.m. by my watch which reads correct 105th meridional time as determined by Western Union clock at Douglas, Arizona, make an hour angle observation on Polaris, east of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal angles from a sight rod firmly set in the ground 10 chains northerly, in the direction N-E to Polaris. To determine the latitude of the station, also read the vertical angles to Polaris.

Mean watch time of observation	5h 30m 30s
Watch fast of l.m.t.	0h 19m 23s
Azimuth of Polaris	$0^{\circ} 56' 24''$
Mean horizontal angle	$0^{\circ} 54' 36''$
Bearing of reference point	N. $0^{\circ} 01' 48''$ E.
Mean vertical angle to Polaris	$32^{\circ} 23' 12''$
Reduced latitude	$31^{\circ} 46' 23''$ N.

Retracement of W.  $\frac{1}{2}$  of the Line bet. secs. 17 and 20, T. 19 S., R. 25 E.

The west half of the line bet. secs. 17 and 20 was retraced at the time of this survey for the purpose of obtaining intersections with the lines of the West Side Turequise mining claim and found to be in substantial agreement with the record of the resurvey, which was therefore adopted.

Corrective Segregation Survey of the West Side and West Side Turequise Mining Claims, T. 19 S., R. 25 E.

A corrective metes and bounds Survey of two tracts of land known as the West Side and West Side Turequise mining claims, classified as mineral bearing but not covered by mineral patent survey, in secs. 17 and 20, T. 19 S., R. 25 E., G. and S. R. Meridian, Arizona.

In accordance with the decision of the Acting Commissioner of the General Land Office and the special instructions dated July 28, 1942, corners Nos. 1 and 2 of the West Side Turequise and corners Nos. 3 and 4 of the West Side mining claims were destroyed and a corrective survey of these claims executed. Corner No. 4 of the West Side Turequise and No. 1 of the West Side, a corner common to the two claims was also destroyed as it was not identical with the common location corner as identified on the ground.

Mr. Lynn D. Shattuck, the entryman and also the original locator of these claims, pointed out the original location monuments of the West Side Turequise and the NE., NW. and SW. location monuments of the West Side mining claims. The location monument at the SE. cor. of the West Side mining claim was not found. It was stated by Mr. Lynn D. Shattuck that the difference in lengths of the E. and W. side lines of the West Side Turequise mining claim was due to a rule among miners in this locality against locating in conflict with other mining claims, hence, the location was cut off along the adjoining claim to the north. Mr. Eugene Yoakem, the claimant, was consulted regarding the locations of the West Side Turequise and West Side mining claims and stated he could only point out the approximate position of the boundary lines of these claims. He did not appear at the claim locations during the execution of this survey.

West Side Mining Claim

Begin at the NE. location cor., identical with the SE. location cor. of the West Side Turequise mining claim, a mound of stone, 3 ft. base, 1 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at Cor. No. 1 of this claim and Cor. No. 4 of the West Side Turequise mining claim, with brass cap mkd.

WST 4  
WS 1

1944

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

From this corner

The 1/4 sec. cor. of secs. 17 and 20 bears N. 30° 30' E., 14.76 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the field notes of the resurvey of the section boundaries of secs. 17 and 20, T. 19 S., R. 25 E.

Thence

N. 86° 54' W. along N. end line.

## West Side Mining Claim

BOC 100

- Chains
- Descend 75 ft. over a SW slope.
- 4.45 From this point; portal of a tunnel, bears S. 1° 07' E., 6.23 chs. dist.
- 6.25 Barbed wire fence, bears NE. and SW.
- 8.90 The NW. location cor. of this claim, identical with the SW. cor. of the West Side Turequise mining claim and the NE. cor. of the Grand View mining claim, an iron post, 1 in. diam., projecting 18 ins. above ground, with a stone, 12x8x5 ins., mkd. + buried alongside, and in a mound of stone to top, with brass cap mkd.
- WST  
3  
GV 4 2 WS  
1933
- Change markings on brass cap to read
- WST  
3  
GV 4 2 WS  
1944  
1933
- Thence
- S. 3° 52' W., along W. side line.
- Descend 56 ft. over a S. slope.
- 6.90 Wash, 40 lks. wide, course E.; asc. 143 ft. over a NW. slope.
- 9.10 Corner No. 3 of the Grand View mining claim, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.
- 11.62 Barbed wire fence, bears SE. and NW.
- 21.54 The SW. location corner of claim, a pine post, 4 ins. sq., 4 ft. long, set in a mound of stone, 3 ft. base, 2 ft. high.
- Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at Cor. No. 3 of the West Side mining claim, with brass cap mkd.
- 3.WS  
3  
1944
- raise a mound of stone, 3 ft. base, 2½ ft. high, NE. of cor.
- From this corner
- The ¼ sec. cor. of secs. 19 and 20, bears S. 73° 19' W., 22.61 chs. dist.
- Thence
- S. 86° 54' E., along S. end line.
- Ascend 181 ft. over a NW. slope.

West Side Mining Claim

Chains  
 9.00 Spur, slopes N. 10° W.; desc. 5 ft. over a NE slope.  
 .9.09 No monument found at the SE corner of this claim.  
 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at Cor. No. 4 of the West Side mining claim, with brass cap mkd.  
 15.55 Wash, 40 lks. wide, course E.; ascend 147 ft. over a SW slope.  
 21.53 Cor. No. 1, the place of beginning.

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 West Side Turequise Mining Claim  
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Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, with a stone marked + deposited at the base and in a mound of stone to top at Cor. No. 1 of the West Side Turequise mining claim, with brass cap mkd.

WST 1

1944

From this corner  
 The NE. location corner, bears N. 20° 13' W., 6.30 chs. dist., a mound of stone, 3½ ft. base, 3½ ft. high.

The ¼ sec. cor. of secs. 17 and 20, bears S. 89° 09' E., 12.32 chs. dist.

Thence

N. 86° 54' W., along N. end line.

Descend 143 ft. over a NW slope.

0.50 Open cut, 12 ft. long, 4 ft. wide and 4 ft. deep.

4.45 Gully, course S. 75° W.; asc. 10 ft. over a SE slope.

9.53 NW. location corner of claim, a mound of stone, 3 ft. base, 2½ ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at Cor. No. 2 of the West Side Turequise mining claim, with brass cap mkd.

2 WST

1944

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

## West Side Turequise Mining Claim

Chains	Thence
	S. 22° 58' E., along W. side line.
	Over gently rolling land.
0.80	Gully, course W.
0.83	Intersect line bet. secs. 17 and 20 at a point from which the cor. of secs. 17, 18, 19 and 20, bears S. 89° 49' W., 18.06 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of the boundaries of secs. 17 and 20, T. 19 S., R. 25 E.
	From the same point, the $\frac{1}{4}$ sec. cor. of secs. 17 and 20, bears N. 89° 49' E., 21.52 chs. dist.
6.95	Wash, 5 lks. wide, course W.
13.00	Ridge, bears S. 80° W. and N. 80° E.; road, bears S. 80° W. and N. 80° E. to shaft.
14.04	SW. location corner of claim, identical with the NW. cor. of the West Side and the NE. corner of the Grand View mining claims.
	Thence
	S. 86° 54' E., along S. end line.
4.45	From this point: a hole, 10x10 ft., 3 ft. deep, bears N. 24° W., 2.07 chs. dist.; a vertical shaft, 6x6 ft., approx. 30 ft. deep, bears N. 28° W., 2.25 chs. dist.
8.90	SE. location corner of claim, identical with the NE. cor. of the West Side mining claim.
	Thence
	N. 20° 33' W., along E. side line.
	Ascend 112 ft. over a SW. slope.
4.72	Barbed wire fence, bears NE. and SW.
6.40	Trail, bears NE. and SW.
7.80	Head of a ravine, course W.
13.40	Spur, slopes W.
13.55	Intersect line bet. secs. 17 and 20, at a point from which the $\frac{1}{4}$ sec. cor. of secs. 17 and 20, bears N. 89° 49' E., 12.24 chs. dist.
13.78	Corner No. 1, the place of beginning.

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General Description

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The land within secs. 17 and 20, T. 19 S., R. 25 E., varies from rolling to mountainous. The west portion of said sections, in which the segregation surveys of the West Side and West Side Turequise lodes are situated, is heavily rolling. The elevation is approximately 5000 ft. above sea level.





CERTIFICATE OF SURVEYOR

We, Ty White, Associate Cadastral Engineer, and Bert E. Wakeman, Senior Engineering Aid, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of July, 1942 received from the district cadastral engineer for Arizona, with assignment instructions dated November 27, 1944, ~~I have surveyed~~ we have executed a Corrective Metes-and-Bounds Survey of bodies of land classified as mineral bearing, included within the West Side and West Side Turequise Mining Claims in Sections 17 and 20, Township 19 South, Range 25 East, of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by ~~me~~ <sup>us</sup> and under ~~my~~ <sup>our</sup> direction; and that said survey has been made in strict conformity with said instructions, 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.

Phoenix, Arizona,  
February 9, 1945

*Ty White*  
Associate Cadastral Engineer  
*Bert E. Wakeman*  
Senior Engineering Aid  
General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,  
Denver, Colorado, April 7, 1945

The foregoing field notes of the ~~survey of~~ Corrective Metes-and-Bounds Survey of bodies of land classified as mineral bearing, included within the West Side and West Side Turequise Mining Claims in Sections 17 and 20, Township 19 South, Range 25 East, G. & S. R. Mer., Arizona, executed by Ty White, Associate Cadastral Engineer, and Bert E. Wakeman, Senior Engineering Aid, under special instructions dated July 28, 1942, and assignment instructions dated November 27, 1944, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

*W. Horton*  
Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I certify that the foregoing transcript of the field notes of the above-described surveys in T. 19 S., R. 25 E., G. & S. R. Mer., Arizona, is a true copy of the original field notes on file in the public survey office.~~

~~Supervisor of Surveys.~~