

4001

Original

4-879

59

(1)

Book D.

BOOK 4001

FIELD NOTES

of the

metes-and-bounds survey

of

a body of land classified as mineral bearing,

included within

the Gold Standard, Gold Standard No. 1 and Gold Standard No. 2

Mining Claims, in

Secs. 26 and 27,

Township 1 South, Range 2 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Francis E. Joy, U. S. Cadastral Engineer.

In the capacity of U. S. Surveyor, under Special Instructions dated April 5, 1932, issued by the District Cadastral Engineer to govern surveys included in Group No. 176, which were approved by the Commissioner of the General Land Office, April 20, 1932, and Assignment Instructions dated November 29, 1932.

Survey commenced January 24, 1933.

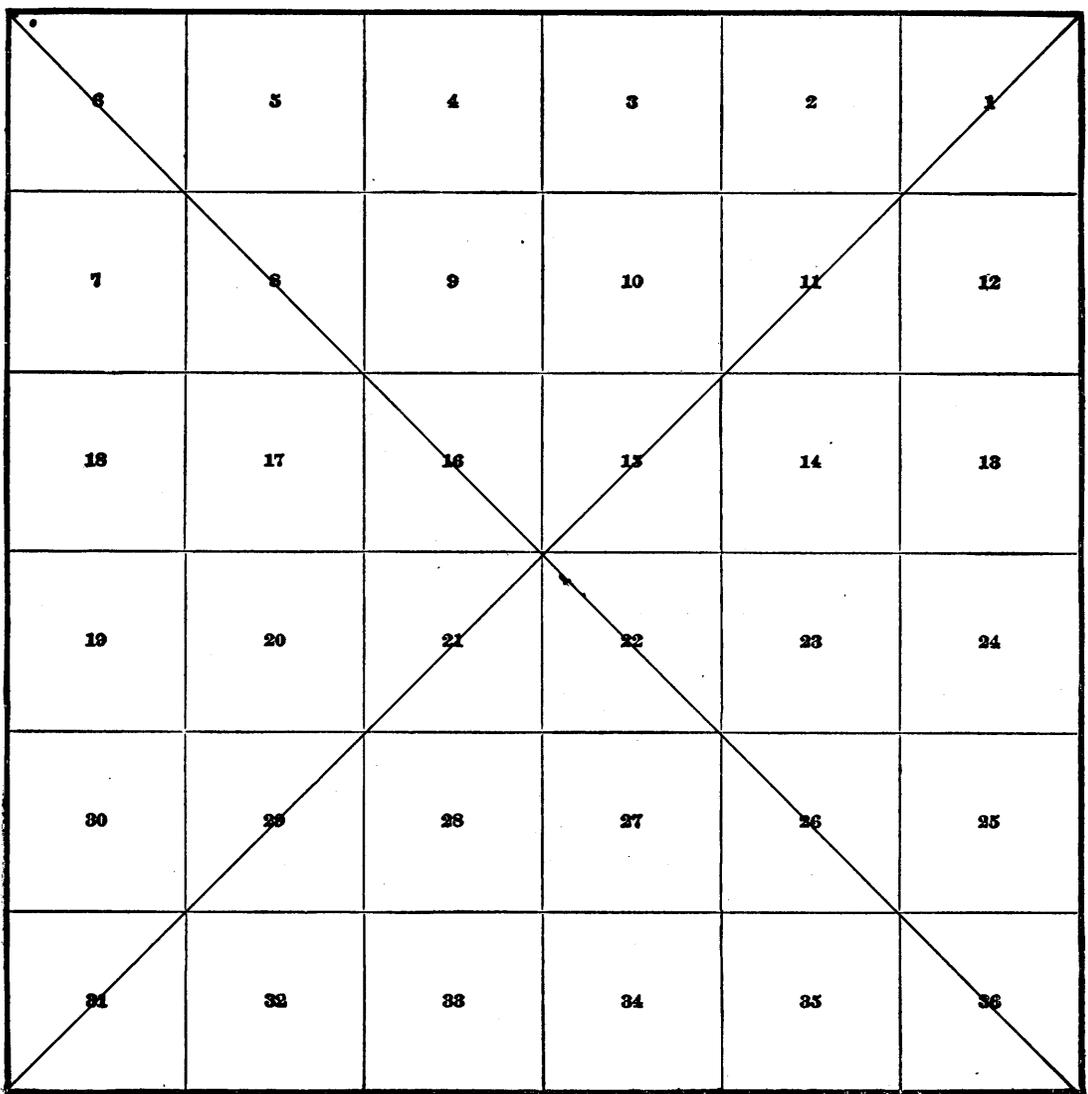
Survey completed February 2, 1933.

4001

4001

INDEX DIAGRAM.

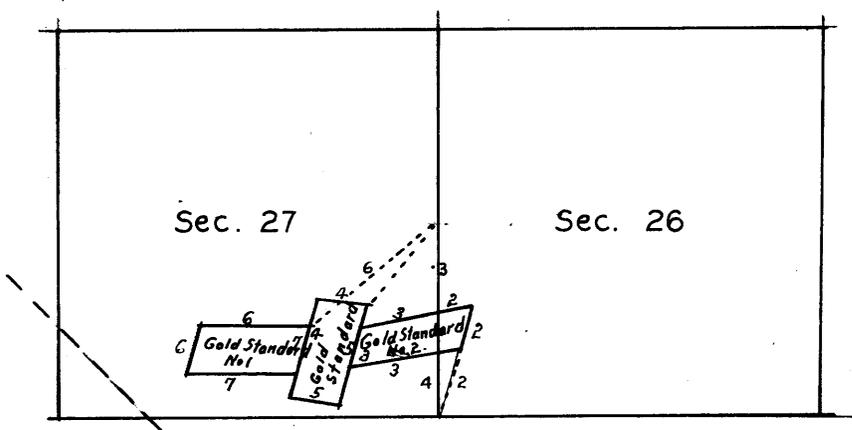
Township _____, Range _____



INDEX DIAGRAM

T. I. S., R. 2 E.

BOOK 4001



SEGREGATION SURVEYS, T. 1 S., R. 2 E.

BOOK 4001

Chains.

The segregation surveys of certain mining claims and necessary retracements of boundaries of certain sections in T. 1 S., R. 2 E., Gila and Salt River Base and Meridian, were executed with a light mountain transit made by Buff & Buff, Serial No. 16723, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of 4½ inches, with two opposite verniers reading to single minutes; the vertical circle has a diameter of 4 inches, with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc 2½ ins., and of declination arc 3½ inches, each with verniers reading to single minutes. 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 November 29, 1932. I examine all the instrumental adjustments before making the field tests hereinafter described.

The direction of all lines were determined by the solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks., and the remainder at intervals of 10 lks. The tape was tested by comparison with a Keuffel & Esser standard 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.

January 24, 1933, in camp near the cor. of secs. 3, 4, 9 and 10, T. 1 S., R. 2 E., latitude 33° 22' N., longitude 112° 03' W., at 5h 37m 07s p.m., l.m.t. by my watch, compared with a Western Union clock and set to agree with local mean time for my station, I make an hour angle observation on Polaris, west of the meridian, three each with the telescope in direct and reversed positions, reading the vertical angle to Polaris, and the horizontal deflection angle from a smoke stack about 8 miles in the direction E-N to Polaris.

Mean horizontal angle stack to Polaris	48° 36' 20"
Azimuth of Polaris	4' 54" W ✓
True bearing to stack	N. 48° 41' 14" W. ✓
Mean observed vertical angle	34° 25' 39" ✓
Reduced latitude	33° 22' 16" ✓

January 25, 1933; every hour from 8 to 11 a.m. and I to 4 p. m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1' 30".

I repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

Survey of the Gold Standard No. 2.

Chains.

Metes and bounds surveys of bodies of land known as Gold Standard, Gold Standard No. 1 and Gold Standard No. 2, classified as mineral bearing but not covered by mineral patent surveys.

The Gold Standard and Gold Standard No. 1 lie entirely within sec. 27 and Gold Standard No 2 lies within secs. 26 and 27. The boundaries of said sections were either surveyed or resurveyed by Sidney E. Blout, U.S. Cadastral Engineer, in 1919.

Said claims were located by J. R. Booth and C. P. Hogan on the following dates: Gold Standard, February 23, 1923 and Gold Standard Nos. 1 and 2, March 7, 1923.

Neither claimant being available the claims were pointed out on the ground by J. E. Busch, U.S. Mining Engineer.

Beginning at cor. No. 1 of the Gold Standard No. 2.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for cor. No. 1 of the Gold Standard No. 2, with brass cap mkd.

GS No 2
1

1933

raise a mound of stone, 3 ft. base, 3 ft. high, in angle on claim.

From this cor. the cor. of secs. 26 and 27, bears S. 15° 13' W., 15.36 chs. dist.: an iron post, 2 ins. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.

From the same point, the location monument bears N. 84° 45' E., 1.99 chs. dist.; A mound of stone, 3 ft. base, 3½ ft. high.

Thence

N. 16° 30' E., along the boundary of the Gold Standard No. 2.

Over mountainous land through scattering undergrowth; ascend 13 ft.

2.15 Small spur slopes W., descend 31 ft. over NW. slope.

5.80 Gulch, 20 lks. wide, 10 ft. deep, course SW. Ascend 69 ft. over rocky SE. slope.

10.22 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for cor. No. 2 of the Gold Standard No. 2, with brass cap mkd.

GS No 2

1933

raise a mound of stone, 3 ft. base, 2½ ft. high, in angle on claim.

From this cor. the location monument, bears N. 77° 48' E., 2.57 chs. dist.; a mound of stone, 3 ft. base, 3½ ft. high.

Thence

S. 77° 48' W., along the bdy. of the Gold Standard No. 2.

Over broken and rocky SE. slope through scattering undergrowth.

.40 Descend 52 ft. over SE. slope.

Survey of Gold Standard No. 2.

BOOK 4001

Chains.

7.09 Intersect the line bet. secs. 26 and 27 at a point from which the 1/4 sec. cor. bears N. 0° 01' W., 17.48 chs. dist., an iron post, 1 in. diam., 14 ins. above ground, firmly set, marked and witnessed as described in the official record.

From the same point the cor. of secs. 26 and 27, bears S. 0° 01' E., 23.12 chs. dist., hereinbefore described.

7.95 Ridge, bears NE. and SW. Ascend 62 ft. over NE. slope.

16.48 Thence along rocky N. slope.

18.58 Descend 67 ft. over NW. slope.

23.04 The NW. location cor. of Gold Standard No. 2, a mound of stone, 3 ft. base, 2 1/2 ft. high, and on the E. bdy. of the Gold Standard.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, with a granite stone, 10 x 10 x 8 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. No. 3 of the Gold Standard No. 2, with brass cap mkd.

GS / 3
GS No 2

1933

Thence

S. 16° 30' W., bet. the Gold Standard No. 2 and the Gold Standard.

Ascend 63 ft. over NW. slope through scattering undergrowth.

3.45 Ridge, bears NE. and SW. Descend 17 ft. over broken SE. slope.

4.45 From this point, a shaft, 4 x 6 ft. by 6 ft. deep, bears N. 79° 15' E., 3.43 chs. dist. From the same point the discovery monument, 3 ft. base, and 3 ft. high, bears N. 79° 15' E., 3.76 chs. and N. 10° 45' W., 30 lks. dist.

8.90 The SW. location monument of the Gold Standard No. 2, a mound of stone, 3 ft. base, 3 ft. high, on the boundary of the Gold Standard.

Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in the ground, for cor. No. 4 of the Gold Standard No. 2, with brass cap mkd.

GS / 4
GS No 2

1933

raise a mound of stone, 3 ft. base, 2 1/2 ft. high, in angle on claim.

Thence

N. 80° 45' E., along the bdy. of Gold Standard No. 2.

Descend 85 ft. over broken E. slope through scattering undergrowth.

5.86 Draw, 15 lks. wide, course S.

Survey of the Gold Standard No. 2.

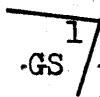
Chains.

- 13.36 Draw, 10 lks. wide, 6 ft. deep, course SW.
- 18.36 Intersect the line bet. secs. 26 and 27 at a point from which the cor. of secs. 26 and 27, hereinbefore described, bears S. $0^{\circ} 01' E.$, 14.16 chs. dist.
- Middle of gulch, 60 lks. wide, course SW. Ascend
- 22.44 Cor. No. 1 and place of beginning.
- Area of the Gold Standard No. 2, 19.32 Acres.

Survey of the Gold Standard.

Beginning at cor. No. 1 of the Gold Standard.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for cor. No. 1 of the Gold Standard, with brass cap mkd.



1933

raise a mound of stone, 3 ft. base, 3 ft. high, in angle on claim.

This cor. is set in the center of the NE. location monument; a mound of stone, 3 ft. base, $3\frac{1}{2}$ ft. high.

From cor. No. 1 of the Gold Standard the $\frac{1}{4}$ sec. cor. bet. secs. 26 and 27, bears N. $40^{\circ} 37' E.$, 22.11 chs. dist.; hereinbefore described.

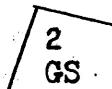
Thence

N. $81^{\circ} 58' W.$, along the bdy. of the Gold Standard.

Descending 60 ft. over NW. slope through scattering undergrowth.

- 8.86 Wash, 20 lks. wide, course SW.

- 9.19 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for cor. No. 2 of the Gold Standard, with brass cap mkd.



1933

raise a mound of stone, 3 ft. base, 2 ft. high, in angle on claim.

From this cor. the NW. location monument, bears N. $9^{\circ} 30' E.$, 2.05 chs. dist.; a mound of stone, 3 ft. base, 4 ft. high.

Thence

S. $16^{\circ} 30' W.$, along the bdy. of the Gold Standard.

Over level land, through scattering undergrowth.

- .50 Wash, 20 lks. wide, course W. Ascend 190 ft. over NW. slope.
- 5.48 Cor. No. 1 of the Gold Standard No. 1, hereinafter described.

Survey of the Gold Standard.

BOOK 4001

Chains.

14.92 Cor. No. 4 of the Gold Standard No. 1, hereinafter described.

From this point the discovery monument for the Gold Standard bears N. 59° 50' E., 7.56 chs. dist.; a mound of stone, 4 ft. base, 3 ft. high. From the discovery monument a shaft, 4 x 6 ft. 30 ft. deep, bears North, 60 lks. dist.; a shaft, 5 x 6 ft. 10 ft. deep, bears East, 20 lks. dist.; and a shaft 4 x 5 ft. 4 ft. deep, bears NE. 40 lks. dist.

15.23 Ridge, bears NE. and SW. Descend 101 ft. over SE. slope.

19.18 Enter bottom of ravine, thence descend along same.

20.90 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, with a granite stone, 8 x 5 x 3 ins. mkd. X, deposited at the base, and in a mound of stone to top, for cor. No. 3 of the Gold Standard, with brass cap mkd.



From this cor. the location cor. bears N. 81° 58' W., 2.10 chs. dist.; a mound of stone, 3 ft. base, 3 1/2 ft. high.

Thence

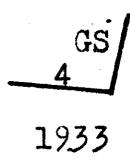
S. 81° 58' E., along the bdy. of the Gold Standard.

Over mountainous land through scattering undergrowth; ascend 87 ft. over W. slope.

3.27 Spur, slopes SW. Descend 141 ft. over rocky SE. slope.

9.19 To location monument, a mound of stone 3 ft. base, 4 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in the ground for cor. No. 4 of the Gold Standard, with brass cap mkd.



raise a mound of stone, 3 ft. base, 3 ft. high, in angle on claim.

Thence

N. 16° 30' E., along bdy. of the Gold Standard.

Over mountainous land through scattering undergrowth; ascend 142 ft. over rocky SE. slope.

7.74 Cor. No. 4 of Gold Standard No. 2, hereinbefore described. Thence bet. Gold Standard and Gold Standard No. 2.

13.27 Ridge, bears NE. and SW. Descend 118 ft. over NW. slope.

16.64 Cor. No. 3 of Gold Standard No. 2, hereinbefore described. Thence along bdy. of Gold Standard.

20.88 To cor. No. 1 and place of beginning.

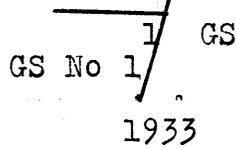
Area of the Gold Standard, 18.98 Acres.

Survey of the Gold Standard No. 1.

Chains.

Beginning at the NE. location monument, a mound of stone, 3 ft. base, 3 ft. high, for the Gold Standard No. 1 and on the bdy. of the Gold Standard where I-

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, with a granite stone, 5 x 5 x 3 ins. mkd. X, deposited at the base for cor. No. 1 of the Gold Standard No. 1, with brass cap mkd.



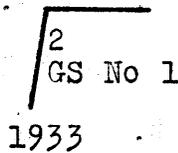
From which the 1 sec. cor. bet. secs. 26 and 27, bears N. 50° 22' E., 32.53 chs. dist.; hereinbefore described.

Thence

N. 89° 57' W., along bdy. of the Gold Standard No. 1.

Over rolling land at base of hills through scattering undergrowth.

- 2.20 Rocky draw, 15 lks. wide, 3 ft. deep, course N.
- 5.20 Low spur, slopes NW.
- 14.70 Wash, 10 lks. wide, course NW. Thence over level land.
- 18.50 Shallow rocky draw, 10 lks. wide, course W.
- 22.72 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for cor. No. 2 of the Gold Standard No. 1, with brass cap mkd.



raise a mound of stone, 3 ft. base, 2 ft. high, in angle on claim.

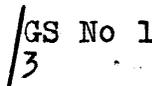
From this point the location monument, bears N. 89° 57' W., 2.56 chs. dist.; a mound of stone, 3 ft. base, 3 ft. high.

Thence

S. 16° 30' W., along bdy. of the Gold Standard No. 1.

Over level washed desert land through scattering undergrowth.

- 2.51 Shallow wash, 20 lks. wide, course W.
 - 3.60 Ascend 32 ft. over gradual NW. slope.
 - 6.81 Wash, 10 lks. wide, course NW.
 - 9.22 The SW. location monument, a mound of stone, 3 ft. base, 3 ft. high.
- Set an iron post, 3 ft. long, 1 in. diam., 29 ins. in the ground, for cor. No. 3 of the Gold Standard No. 1, with brass cap mkd.



1933:

raise a mound of stone, 3 ft. base, 2 ft. high, in angle on claim.

Survey of the Gold Standard No. 1.

BOOK 4001

Chains.

Thence

S. 89° 24' E., along bdy. of the Gold Standard No. 1.

Ascend 168 ft. over broken NW. slope through scattering undergrowth.

22.66

The SE. location monument, a mound of stone, 3 ft. base, 3 ft. high, on the bdy. of the Gold Standard.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a granite stone, 12 x 6 x 3 ins., mkd. X, deposited at the base, and in a mound of stone to the top, for cor. No. 4 of Gold Standard No. 1, with brass cap mkd.

GS No 1
4 / GS
1933

Thence

N. 16° 30' E., bet. Gold Standard No. 1 and Gold Standard.

Descend 147 ft. over NW. slope through scattering undergrowth.

4.72

From this point, to locate improvements, I run N. 89° 40' W., 5.59 chs. to a point from which the discovery monument, a mound of stone, 3 ft. base, 4 ft. high, bears N. 0° 20' E., 61 lks. dist.; at 5.75 chs. a shaft, 5 x 6 ft., 10 ft. deep, bears N. 0° 20' E., 20 lks. dist.; at 7.82 chs. a shaft, 8 x 10 ft., 12 ft. deep bears N. 0° 20' E., 1.30 chs. dist.

9.44

To cor. No. 1 and the place of beginning.

Area of the Gold Standard No. 1, 20.51 Acres.

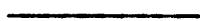
FINAL TEST OF THE SOLAR ATTACHMENT.

For the final test of the solar attachment see the field notes for T. 1 S., R. 4 E. of this group.

GENERAL DESCRIPTION.

The area covered by the foregoing survey is mountainous and very rocky.

A scattered growth of desert brush with a few scrub juniper and palo verde constitute the ground cover. No springs or water holes were noted within the tracts.



BOOK 4001

CERTIFICATE OF UNITED STATES SURVEYOR

I, Francis E. Joy, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 5th day of April, 1932, 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, executed a metes-and-bounds survey of a body of land classified as mineral bearing, included within the Gold Standard, Gold Standard No.1 and Gold Standard No.2 Mining Claims, in Secs.26 and 27, Township 1 South, Range 2 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 metes-and-bounds 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 such metes-and-bounds survey.

Glendale, California, July 15, 1933.

Francis E. Joy, U.S. Cadastral Engineer.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, November 7, 1933.

The foregoing field notes of the metes-and-bounds survey of a body of land classified as mineral bearing, included within the Gold Standard, Gold Standard No.1 and Gold Standard No.2 Mining Claims, in Secs.26 and 27, Township 1 South, Range 2 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Francis E. Joy, U.S. Cadastral Engineer, under his special instructions dated April 5, 1932, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature] 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.