

Book F.

BOOK 4008

# FIELD NOTES

of the

Dependent Resurvey of the Section Boundaries,

And the Metes-and-Bounds Survey of bodies of Land Classi-

fied as mineral bearing, included within the West Side,

West Side Turequise and Grand View Quartz Mining Claims.

in

Sections 17 and 20

Township 19 South, Range 25 East

*(Handwritten note: ...)*

Of the Gila and Salt River Meridian,

In the State of Arizona.

### EXECUTED BY

Dupree R. Averill.

U.S. Surveyor.

Under special instructions dated February 27, 1933, which provided for the surveys included under Group No. 173, bearing the approval of the Commissioner of the General Land Office under date of March 9, 1933, and assignment instructions dated February 13, 1933.

Survey commenced May 31, 1933.

Survey completed June 9, 1933.

4008

4008

180

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The segregation survey of the Grand View, West Side and West Side Turequise quartz mining claims, and the surveys and retracements in sections 17 and 20, in T.19 S., R.25 E., G.& S.R. B.&M., Arizona. were executed with a light mountain transit made by Buff and Buff, serial No. 17992, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of  $4\frac{1}{2}$  ins. with two double opposite verniers reading to single minutes; the vertical circle has a diameter of four ins. with one double vernier reading to single minutes; the telescope has fixed stadia wires, ratio 1:132. with a focal constant of 1.2 links. The instrument is equipped with the improved Smith solar attachment, radius of latitude arc 4 ins. and of the declination arc  $3\frac{1}{2}$  ins. 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 was approved by the district cadastral engineer February 13, 1933. All instrumental adjustments were examined before making the field tests herein after recorded.

The direction of all lines was determined by direct observation on the sun. Transit methods, supplemented by the solar attachment as a check in azimuth, were employed throughout the survey. The measurements were made with a Lallie 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 first tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval ascertained by two clinometers in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. cor. of T.19 S., R.25 E. G.& S.R. B.&M. Arizona, as follows: latitude  $31^{\circ}43'47''$ N. and longitude  $109^{\circ}45'29''$ W.

May 31, 1933; at camp, about 20 chs. S.  $20^{\circ}$ E. of the NW. cor. of sec. 17, T.19 S., R.25 E. in latitude  $31^{\circ}47'$ N. and longitude  $109^{\circ}51'$ W. make a series of observations for the determination and verification of time, latitude and azimuth to be employed on the survey, as follows, elevation 4800 feet:

1. An hour angle observation on Polaris, west of the meridian, making four readings, two each with the telescope in direct and reversed positions, noting the multiple deflection angle from a sharply defined point on the crest of the Dragoon Mountains about ten miles distant:

Mean watch time of observation, p.m.	7h. 51m. 35s.
Mean vertical angle	$30^{\circ} 49' 37''$
Mean horizontal angle, right to star	$40^{\circ} 18' 00''$
Reduced bearing to reference point	N. $40^{\circ} 45' 45''$ W.
Reduced latitude	$31^{\circ} 47' 05''$ N.

2. June 1. An altitude observation on the sun, first setting on the suns upper and right limbs, then after reversal of the instrument, setting on the suns lower and left limbs; the horizontal angles being measured from the reference point above defined:

Mean watch time of observation, a.m.	6h. 43m. 28s.
Mean vertical angle	$16^{\circ} 48' 25''$
Mean Horizontal angle, right	$114^{\circ} 49' 27''$
Reduced bearing to reference point	N. $40^{\circ} 45' 20''$ W.
Reduced watch, slow of standard time	0m. 61 s.

2.

## Resurvey of a portion of the Subdivisions of

T.19 S., R.25 E., G.&amp;S.R. B.&amp;M.

chains

June 1. Every hour, from 7 to 11 a.m. and from 1 to 4 p.m. make proper settings on the arcs of the solar attachment, and ascertain that the resulting orientation of the instrument when compared to the true meridian has a maximum error of less than 1'30".

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

T.19 S., R.25 E. was originally surveyed by Hesse and Oliver, U.S. Surveyors. in 1911, under Group 5, Arizona.

The cor. of secs. 20, 21, 28 and 29 is an iron post, 2 ins. in diam. properly marked on brass cap, loosely set in a mound of stone. Re-set post 32 ins. in the ground; raise a mound of stone 4 ft. base, 3 ft. high W. of cor.

North on a random line bet. secs. 20 and 21.

40.09 Intersect  $\frac{1}{4}$  sec. cor.

80.19 The cor. of secs. 16, 17, 20 and 21 bears West 1 lk. dist.

Return to the cor. of secs. 20, 21, 28 and 29.

North on true line bet. secs. 20 and 21.

Over rolling and broken land, through scattered undergrowth. Along gentle E. slope.

Over patented mineral land.

6.00 Flat spur, slopes N.70°E. Desc. 35 ft. over N. slope.

7.75 Rocky wash, 60 lks. wide, course NE. Asc. 40 ft. over SE. slope.

15.00 Flat spur, slopes E. Desc. 75 ft. over gentle NE. slope.

31.30 Enter wash, 120 lks. wide, course E.

32.50 Asc. 35 ft. over S. slope.

35.20 Small spur, slopes S.60°E. Old road along spur. Desc. 50 ft. over NE. slope.

40.09 The  $\frac{1}{4}$  sec. cor. which is an iron post, 1 in. in diam. 30 ins. above ground, properly marked on brass cap. Re-set post 30 ins. in the ground; raise a mound of stone 3 ft. base, 3 ft. high W. of cor.

Thence from  $\frac{1}{4}$  sec. cor.

N.0°01'W. on true line bet. secs. 20 and 21.

Desc. slightly along E. slope.

2.00 Wash, 10 lks. wide, course SE. Asc. 115 ft. over rolling S. slope.

3.45 Old road, bears NW. and SE.

5.57 Center of railroad track, in cut, bearing E. and W.

15.55 Road, bears NE. to Courtland. SW. to mining property.

19.00 Head of drain, course SE. Asc. 275 ft. over an increasing S. slope.

22.06 Intersect line 3-4 of the Starr Lode. Min. Sur. No. 2458.

Resurvey of a portion of the Subdivisions of

T.19 S.,R.25 E.

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chains.

S.87°03'W. 2.92 chs. dist. from cor. No. 4. which is a wooden post, 4 ins. square, 14 ins. above a mound of stone and earth 4 ft. base, 2 ft. high. mkd. NEC S4 on the S. face.

From the same point Cor. No.2 of the Chico Lode, Min. Sur. No. 2552, hereinafter described, bears S.87°03'W. 8 lks. dist. and cor. No. 3 of the Starr Lode, which is a wooden post, 4 ins. square, 3 ft. high, supported in a mound of earth and stone, bears S.87°03'W. Leave patented mineral land.

22.85 Drain, course S.20°E.

30.00 Sharp rocky spur slopes S.20°W. Along west side of top of rocky peak.

33.75 Spur, slopes NW. Desc. 190 ft. over N. slope.

40.10 The cor. of secs. 16,17,20 and 21 which is an iron post. 2 ins. in diam. 30 ins. above ground, loosely supported in a small mound of stone, properly marked on brass cap.

Re-set post 34 ins. in the ground; raise a mound of stone, 3½ ft. base, 3 ft. high. W. of cor.

Land, rolling and mountainous.  
Soil, rocky. 3rd. and 4th. rate.  
No timber; undergrowth, greasewood, ocotilla and cacti.

-----  
North on a random line bet.secs. 16 and 17.

40.05 Fall 5 lks. E. of ¼ sec. cor.

80.11 Fall 10 lks. E. of the cor. of secs. 8,9,16 and 17.

Return to the cor. of secs. 16,17,20 and 21.

Thence

N.0°04'W. on true line bet.secs. 16 and 17.

Over mountainous land, through scattered undergrowth. Desc. 200 ft. over NE. slope.

3.91 Intersect line 2-3 of the Hard Up Lode, Min. Sur. No. 1970, S.61°25'W. 2.00 chs. dist. from cor. No.3, hereinafter described. Enter patented mineral land.

4.95 Trail, bears N.70°E. and S.70°W.

7.25 Road, bears E and W.

9.60 Wash. 40 lks. wide, in draw, course E. Asc. 140 ft. over S. slope.

10.26 Center of railroad track, bears S.75°E. and N.75°W.

13.85 Rocky spur, sloping E. Desc. 110 ft. over gradual NE. slope.

15.94 Intersect line 4-5 of the Hard Up Lode, Min. Sur. No. 1970, S.32°45'E. 3.80 chs. dist. from Cor. No. 5; a dilapidated mound of stone. From point of intersection Cor. No.4 bears S.32°45'E. 9.67 chs. dist.; a dilapidated mound of stone. Leave patented mineral land.

18.10 Trail, bears NW. and SE.

## Resurvey of a portion of the Subdivisions of

T.19 S., R.25 E.

chains	
18.49	Intersect line 1-4 of the King Solomon Lode, Min. Sur. No. 2755. S.40°23'E. 11.17 chs. dist. from Cor. No. 1; a mound of stone and earth, 4 ft. base, 3 ft. high containing the remains of a rotted stake. From point of intersection Cor. No. 4 bears S.40°23'E. 11.61 chs. dist; a dilapidated mound of stone, 4 ft. base, 1½ ft. high. Enter patented mineral land.
19.40	Trail, bears N.75°W. and S.75°E.
22.65	Old road, bears NW. and SE.
28.10	Drain, small gully, course E. Asc. 50 ft. over gradual S. slope.
34.00	Spur, extends NE. Desc. 55 ft. over NW. slope.
36.92	Intersect line 2-3 of the Poor Man Lode, Min. Sur. No. 2689. S.87°19'W. 8.65 chs. dist. from Cor. No. 3; a mound of stone 3½ ft. base, 2½ ft. high. From point of intersection Cor. No. 2 bears S.87°19'W. 14.11 chs. dist.; a post, 4 ins. square, 2 ft. above a mound of stone 4 ft. base, 2 ft. high, mkd. 2-2689 PM on the E. face. Leave patented mineral land.
40.05	Intersect ¼ sec. cor.; an iron post, 1 in. diam. properly marked on brass cap, loosely set in a small mound of stone. Re-set post, over cross (X) on bedrock, in a mound of stone 5 ft. base, 3 ft. high.  Desc. 65 ft. over NW. slope.
50.25	Wash, 15 lks. wide, course NE.
51.60	Point of spur, from SW.
52.40	Wash, 40 lks. wide, course E. Asc. 120 ft. over S. slope.
67.90	Four strand wire fencing, bears irregularly E. and W.
68.00	Rocky knoll; spur slopes NW. Desc. 120 ft. over NE. slope.
77.30	Flat wash, 30 lks. wide, course SE.
78.40	Wash, 15 lks. wide, course E.
79.90	Drain, 5 lks. wide, course SE.
80.11	The cor. of secs. 8,9,16 and 17, which is an iron post, 2 ins. diam. properly marked on brass cap, 12 ins. above ground. No accessory having been originally established, I construct a mound of stone 3 ft. base, 3 ft. high W. of cor.  Land. mountainous and rolling hills. Soil, rocky, 3rd. and 4th. rate. No timber; undergrowth, greasewood, ocotilla and cacti.  ----- West on a random line bet. secs. 8 and 17.
40.03	Fall 3 lks. N. of ¼ sec. cor.
80.07	Fall 10 lks. N. of the cor. of secs. 7,8,17 and 18.  Return to the cor. of secs. 8,9,16 and 17.  Thence

Resurvey of a portion of the Subdivisions of

T.19 S., R.25 E.

BOOK 100

chains	
	S.89°58'W. on true line bet.secs. 8 and 17.
	Over nearly level land, through scattered undergrowth. Asc. 40 ft. over gradual E. slope.
0.40	Drain, 5 lks. wide, course SE.
8.70	Same drain, course NE.
10.60	Enter road, bears N.65°E. to Courtland, and West.
20.85	Leave road. from SW.
21.90	Enter flat wash, 1.20 chs. wide, course NE.
40.03	Intersect $\frac{1}{4}$ sec. cor.. an iron post, 1 in. in diam. properly marked on brass cap, firmly set, 18 ins. above ground. Raise a mound of stone $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high around post.
	Thence from $\frac{1}{4}$ sec. cor.
	S.89°54'W. on true line bet.secs. 8 and 17.
0.18	Four strand wire fence. bears N.43 $\frac{1}{2}$ °W. and S.13°E.
0.80	Wash, 25 lks. wide. course N.70°E. Asc. 50 ft. over gently rolling E. slope.
6.80	Same wash. course SE.
11.18	Five strand wire fence. bears N.50°E. and S.54°W.
13.25	Same wash, course N.60°E.
30.00	Top of ascent; over level land.
35.00	Desc. 8 ft. over gentle W. slope.
40.04	The cor. of secs. 7,8,17 and 18, which is an iron post. 2 ins. in diam., properly marked on brass cap, firmly set, 12 ins. above ground. No accessories having originally been established. I construct a mound of stone 3 ft. base, 2 ft. high, W. of cor.
	House bears S.26°E. about 17.00 chs. dist.
	Land, nearly level. Soil, gravelly, 2nd. rate. No timber; undergrowth, greasewood, mesquite and cacti.
-----	
	South on a random line bet.secs. 17 and 18.
40.00	Fall 3 lks. E. of $\frac{1}{4}$ sec. cor..
80.16	Fall 2 lks. E. of the cor. of secs. 17,18,19 and 20, which is an iron post, 2 ins. in diam. properly marked on brass cap, firmly set, 4 ins. above ground. As the original accessories are incorrectly noted. I remark the bearing trees as follows:
	An oak, 36 ins. diam. bears S.45 $\frac{1}{2}$ °E. 2.77 chs. dist. mkd. T19S R25E S20 BT
	A hackberry, 20 ins. diam. bears S.76 $\frac{1}{2}$ °W. 1.17 chs.dist. mkd. T19S R25E S19 BT
	Raise a mound of stone 3 ft. base, 2 ft. high, W.of cor.

## Resurvey of a portion of the Subdivisions of

T.19 S., R.25 E.

chains

Thence

N.0°01'W. on true line bet.secs. 17 and 18.

Over nearly level land, through scattered timber and undergrowth. Along flat wash, course N. Desc. 60 ft.

15.75 Road. bears SE. and NW.

21.35 Adobe house, abandoned, bears W. 1.00 ch. dist.

29.60 Leave wash, course NE.

30.55 Three strand wire fence, bears E. and W.

37.85 Small spur of mesa extends NE.

39.17 Four strand wire fence, bears NE. and SW.

40.00 Four strand wire fence, bears E. 30 lks. to corner, then SW.; and W. about 3 chs. then SW. Enter overflow fill of wash.

40.16 Intersect  $\frac{1}{4}$  sec. cor. which is an iron post, 1 in. in diam. properly marked on brass cap, firmly set, 2 ins. above ground. No accessories having been originally established, I construct a mound of stone 3 ft. base, 2 ft. high, W. of cor.Thence from  $\frac{1}{4}$  sec. cor.

N.0°02'E. on true line bet.secs. 17 and 18.

Desc. gradually, over washed land. 60 ft.

2.00 Point of small rocky spur, from S.20°E.

5.00 Enter channel of wash, 2.00 chs. wide, course N. from SW.

7.60 Leave channel of wash, course N.15°E. Over gently rolling land.

13.50 Well and pump station- in disuse- bears East 4.20 chs. dist.

15.50 Road. bears N.25°E. and S.25°W.

17.10 Wash. 20 lks. wide, course N.20°W.

20.50 Same wash, 40 lks. wide, course NE. House bears NE. about 4.00 chs. dist.

30.38 Five strand wire fence, bears E. and W.

37.00 Wash, 1.00 ch. wide, course NW.

40.00 The cor. of secs. 7,8,17 and 18, hereinbefore described.

Land; gently rolling.

Soil, gravelly, 2nd. and 3rd. rate.

Timber, scattered hackberry and mesquite; undergrowth, greasewood and cacti.



Resurvey of a portion of the Subdivisions of

T.19 S.,R.25 E.

BOOK 40

chains	East on a random line bet.secs. 17 and 20.
39.58	Fall 13 lks. S. of $\frac{1}{4}$ sec. cor.
80.19	Fall 20 lks. S. of the cor. of secs. 16,17,20 and 21. hereinbefore described.
	Thence
	S.89°54'W. on true line bet.secs. 17 and 20.
	Over mountainous land, through scattered undergrowth.
	Asc. 80 ft. over NE. slope.
3.40	Spur, slopes N. Desc. 230 ft. over W. slope.
12.50	Intersect line 1-2 of the Western Belle Lode, Min. Sur. No. 2608. S.37°03'E. 5.24 chs. dist. from Cor. No. 1. hereinafter described. Enter patented mineral land.
14.00	Wash, 15 lks. wide. course N.
14.50	Low narrow spur, slopes N.
15.40	Enter wash, 30 lks. wide. course NE.
17.65	Leave wash, from SW. Asc. 560 ft. over E. slope.
21.25	Old road, bears N.25°E. and S.25°W.
24.55	Old road, bears N.15°E. and S.15°W.
34.71	Intersect line 3-4 of the Copper Bug Lode, Min. Sur. No. 2608. N.25°50'W. 4.60 chs. dist. from Cor. No. 3; a wooden post. 4 ins. square, 4 ft. high, supported in a mound of stone, marked 3-2608 on the N. and 4-2608 TK on the S. faces. From point of intersection Cor. No.4 bears N.25°50'W. 18.14 chs. dist.; a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, marked NWC CB on the S., 4-2608 on the E., and 2-2616 on the N. faces. Leave patented mineral land.
40.20	Top of cliff, 40 ft. high.
40.61	Intersect $\frac{1}{4}$ sec. cor. which is an iron post. properly marked on brass cap, supported in a small mound of stone. Re-set post, on bedrock, with a stone 16 x 12 x 6 marked with a cross (X) deposited alongside, in a mound of stone 6 ft. base, 3 ft. high.
	Thence from $\frac{1}{4}$ sec. cor.
	S.89°49'W. on true line bet.secs. 17 and 20.
	Asc. 7 ft.
0.15	Sharp rocky spur, slopes S.65°E. Along broken S. slope.
3.40	Sharp spur, slopes S.20°W. Desc. 380 ft. over W. slope.
22.00	Gully, course S.20°W.
29.00	Foot of slope; over rolling land, draining NW.
30.50	Road.in swale, bears N. and S.
36.50	Enter wash overflow. draining N.
39.58	The cor. of secs. 17,18,19 and 20.

Resurvey of a portion of the Subdivisions of

T.19 S.,R.25 E.

chains

Land, mountainous.  
Soil, rocky. 3rd. and 4th. rate.  
No timber; undergrowth, greasewood, ocotilla and cacti.

-----  
South on a random line bet.secs. 19 and 20.

41.10 Find witness  $\frac{1}{4}$  sec. cor., an iron post, properly marked on brass cap, tied to a fence post; the cor. having been washed away from its original position.  
Set temp. witness cor. point.

80.20 Fall 12 lks. W. of the cor. of secs. 19,20,29 and 30, which is an iron post, 2 ins. in diam. properly marked on brass cap, 24 ins. above ground.  
Re-set post, 30 ins. in the ground, raise a mound of stone, 3 ft. base, 2 ft. high. W. of cor.

Four strand wire fencing extends East and North from this cor.

Thence

N.0°05'W. on true line bet.secs. 19 and 20.

Over gently rolling land, through scattered undergrowth. Asc. 30 ft. over SE. slope.; along fencing.

7.50 Drain, course SE.

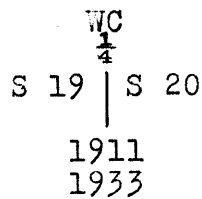
12.50 Low divide, bears NE. and SW. Desc. 70 ft. over gently rolling land.

15.00 Drain, course NW.

29.00 Small wash, course irregularly N.

37.50 Small spring, or seep, in wash, bears East about 15 lks. dist.

39.10 Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in the ground, for witness  $\frac{1}{4}$  sec. cor. with brass cap mkd.



raise a mound  
of stone, 3 ft. base,  $1\frac{1}{2}$  ft. high. W. of cor.

Four strand wire fencing, extending N. and S. bears W. 4 lks. dist.

40.10 True point for  $\frac{1}{4}$  sec. cor. falls in wash, 20 lks. wide. course irregularly N.; an insecure position for the corner monument.

Continue descent 70 ft.

44.10 Wash, 20 lks. wide, course N.20°E.

50.00 Small spur, extends N.30°E.

58.75 Enter small gully, course irregularly N.

63.00 Enter flat wash, from SW.; course N.

Resurvey of a portion of the Subdivisions of

T.19 S.,R.25 E.

BOOK 40

chains	
79.90	Wire fencing, bearing W. extends E. 4 lks. to corner, thence S.
80.20	The cor. of secs. 17,18,19 and 20, hereinbefore described. Land, gently rolling. Soil, gravelly, 2nd. rate. No timber; undergrowth, greasewood and mesquite.
	-----
	From the cor. of secs. 19,20,29 and 30. East on a random line bet.secs. 20 and 29.
40.28	Fall 15 lks. S. of $\frac{1}{4}$ sec. cor.
79.98	Fall 23 lks. S. of the cor. of secs. 20,21,28 and 29, hereinbefore described. Thence S.89°53'W. on true line bet.secs. 20 and 29. Over rolling mountains, through scattered undergrowth. Asc. a gently increasing E. slope 110 ft. Over patented mineral land.
8.00	Change of slope to NE.; asc. 550 ft.
15.64	Intersect line 3-4 of the Alice Lode, Min. Sur. No.2458. N.0°37'E. 3.01 chs. dist. from Cor. No. 3.; a wooden post, 4 ins. square. 4 ft. high, supported in a mound of stone, marked SWCA on the N.. 2458 on the E. faces. From point of intersection Cor. No. 4 bears N.0°37'E. 18.15 chs.; a wooden post, 4 ins. square, 4 ft. high, supported in a mound of stone, marked NWCA on the SE. 2-2458 H on the SW. and 4-2458 on the NW. faces. Leave patented mineral land.
23.70	Steep flat spur, slopes NE. Continue ascent.
36.10	Cross divide, about 5.00 chs. S. of deep saddle, bearing N. and S. Desc. 110 ft. over NW. slope.
39.70	Intersect $\frac{1}{4}$ sec. cor. which is an iron post, properly marked on brass cap, firmly set, 18 ins. above ground. No accessory having originally been established, construct a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor. Wire fencing extends W. from corner. Thence from $\frac{1}{4}$ sec. cor. S.89°47'W. on true line bet.secs. 20 and 29. Desc. 390 ft. over NW. slope.
5.30	Gully, course NW.
10.00	Change of slope to W.
16.60	Drain, course SW. Change of slope to SW.
22.90	Ravine, 40 lks. wide, course SW.
25.70	Gully, course SW.
27.30	Gully, course SW.
30.80	Drain, course S.
35.40	Wash, course S.20°E. Asc. 10 ft. over SE.slope.

## Resurvey of a portion of the Subdivisions of

T.19 S., R.25 E.

chains

37.80 Wash, 25 lks. wide, course SE.

40.28 The cor. of secs. 19,20,29 and 30.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

No timber; undergrowth, greasewood, ocotilla and cacti.

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Retracement of the Boundaries of Patented Mineral  
Claims in Secs. 17 and 20, T.19 S., R.25 E.

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From cor. No.3 of the Hard Up Lode, Min. Sur. No. 1970.  
which is a wooden post, 4 ins. square, 18 ins. above a  
supporting mound of stone, marked 3-1970 on the W.,  
NEC1221 on the S., 2459 on the E. faces.

S.61°25'W. on line 3-2 of the Hard Up Lode.

2.00 Intersect line bet.secs. 16 and 17, N.0°04'W. 3.91 chs.  
dist. from the cor. of secs. 16,17,20 and 21.4.56 To cor. No. 2 of the Hard Up Lode, which is a wooden post  
4 ins. square, partially rotted, 18 ins. above a  
supporting mound of stone, marked SWC HU 1970 on the NE.,  
1970 on the SE., and 1-2549 on the SW. faces.

Thence

N.32°47'W. on line 2-1 of the Hard Up Lode.

14.39 To cor. No. 1, which is a wooden post, 4 ins. square, 12  
ins. above a supporting mound of stone, marked 1970 on  
the NE., NWC HU on the SE. face.

Thence

S.61°25'W. on the SE. end line (line 4-1) of the George  
Lode, Min. Sur. No. 1319.0.20 To cor. No. 1 of the George Lode, which is a wooden post,  
4 ins. square, 12 ins. above a supporting mound of stone,  
marked 1-1319 GM on the NW. face.

Thence

S.34°26'E. on the NE. side line (line 4-1) of the  
Cyclone Lode, Min. Sur. No. 2772.2.09 To cor. No.1 of the Cyclone Lode, which is a wooden post,  
4 ins. square, 18 ins. above a supporting mound of stone,  
illegibly marked on the SW. face.

Thence

S.46°10'W. on line 1-2 of the Cyclone Lode.

8.81 Intersect witness post for cor. No.2 of the Cyclone Lode,  
which is a wooden post, 4 ins. square, 3 ft. above a  
supporting mound of stone, marked WC C2-2772 on the SW.  
face.

9.21 Record distance; set temp. point for cor. No.2.

Thence

N.34°26'W. on line 2-3 of the Cyclone Lode.

Retracement of the Boundaries of Patented Mineral

Claims in Secs.17 and 20, T.19 S.,R.25 E.

BOOK 48

chains

- 22.65 To cor. No.3, which is a wooden post, 4 ins. square, 2 ft above a supporting mound of stone, marked 3-2772 on the NE. and NWCC on the SE. face.  
  
From cor. No. 1 of the Northern Light Lode, Min. Sur. No. 2608, which is a wooden post, 4 ins. square, badly rotted, supported in a mound of stone.  
  
S.26°50'E. on line 1-2 of the Northern Light Lode.
- 5.62 Intersect line 2-3 of the Cyclone Lode, S.34°26'E. 7.54 chs. dist. from cor. No. 3.
- 22.70 To cor. No. 2, identical with cor. No.1 of the Leadville and cor. No. 5 of the Western Belle Lodes, Min. Survey No.2608, which is a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, marked NWC WB on the E. face.  
  
Thence  
N.63°55'E. on line 5-1 of the Western Belle Lode. Min. Sur. No. 2608
- 0.90 To cor. No. 1, which is a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, marked 2608 on the NE.. MC 1 WB on the SE. face.  
  
This course is of record as being N.63°57½'E. 2.35 chs.  
  
Thence  
S.37°03'E. on line 1-2 of the Western Belle Lode..
- 5.24 Intersect line bet.secs. 17 and 20. S.89°54'W. 12.50 chs. dist. from the cor. of secs. 16,17,20 and 21.
- 18.75 To cor. No.2, which is a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, mkd. 3-1610 on the NE., NWC HO on the SE., SWC TH on the NW, illegible on the SW.  
  
Thence  
S.30°40'E. on line 2-3 of the Western Belle.
- 4.28 To cor. No.3, identical with cor. No. 1 of the Chico Lode Min. Sur. No. 2552, which is a mound of stone 3 ft. base 2 ft. high, referenced as described in the official record.  
  
Thence  
S.30°40'E. on line 1-2 of the Chico Lode.
- 4.14 To cor. No. 2, which is a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, marked SE CC on the NW. and 2-2552 on the SW face.

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## Segregation Survey of the West Side Lode

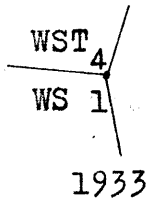
T.19 S., R.25 E.

chains

Metes and bounds survey of three tracts of land known as the West Side, West Side Turequise and Grand View quartz mining claims, classified as mineral bearing but not covered by mineral patent survey, in sections 17 and 20. T.19 S., R.25 E., G. & S.R. Meridian, Arizona.

The assistance of the locator, Eugene Yookem, was obtained in the discovery and identification of the location monuments of the West Side and West Side Turequise mining claims. Mr. Lynn D. Shattuck, the entryman, pointed out the monuments of the Grand View lode, which location was subsequently corroborated by the claimant, Joseph Sutherland.

The NE. location cor. of the West Side lode, identical with the SE. location cor. of the West Side Turequise lode, is a mound of stone, 3 ft. base, 3 ft. high, roughly plastered with cement. Disperse this monument, and in place thereof set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the ground, for cor. No. 1 of the West Side and cor. No. 4 of the West Side Turequise lodes, with brass cap mkd.



of stone and concrete W. of cor. raise a mound

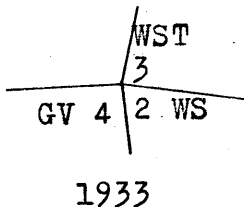
Thence

N.81°05'W. bet. the West Side and the West Side Turequise lodes.

Desc. 60 ft. over SW. slope.

6.46 Three strand wire fence, bears NE. and SW.

9.08 The common location cor. of the West Side and West Side Turequise and Grand View lodes, which is a mound of stone and concrete 3 ft. base, 3 ft. high. Disperse the monument and in the center thereof, Set an iron post, 3 ft. long, 1 in. diam. 18 ins. in the ground, to bedrock, with a stone 12 x 8 x 5 marked with a cross (X) deposited alongside, and in a mound of stone to top, for cor. No. 2 of the West Side and cor. No. 3 of the West Side Turequise and cor. No. 4 of the Grand View lodes, with brass cap mkd.



Thence

S.11°14'E. along the boundary of the West Side lode.

Desc. 60 ft. over S. slope.

2.48 Three strand wire fence, bears NE. and SW.

6.65 Wash, 40 lks. wide, course E. Asc. 165 ft. over NW. slope.

Segregation Survey of the West Side Lode

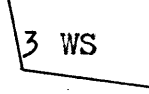
T.19 S., R.25 E.

BOOK 4112

chains

12.98 Two strand wire fence, bears N.70°W. and S.70°E.

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



1933

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

The SW. location cor. which is an ocotilla stalk, 3 ft. long, supported in a mound of stone, bears S.11°14'E. 4.63 chs. dist.

The true point for the 1/4 sec. cor. bet. secs. 19 and 20 bears S.64°55'W. 28.95 chs. dist.

S.81°05'E. along the boundary of the West Side lode.

Asc. 55 ft. over NW. slope.

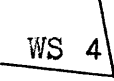
1.80 Rocky spur, slopes N.10°W. Desc. 97 ft. over NE. slope.

5.60 Adit, partly caved, extends S.

6.20 Shallow gully, course N. Asc. 67 ft. over NW. slope.

7.33 Intersect line 2-3 of the Esther Lode, Min. Sur. No. 2458. S.2°18'E. 6.50 chs. dist. from cor. No. 3, which is a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, mkd. 3-2458 on the E. face. From point of intersection cor. No.2 of the Esther Lode, bears S.2°18'E. 15.78 chs. dist.; a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, marked 2-2458 on the N. face.

9.34 The SE. location cor., which is an ocotilla stalk 3 ft. long supported in a mound of stone. In place of stalk, with stalk alongside, Set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the ground, for cor. No.4 of the West Side lode, with brass cap mkd.



1933

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

Thence

N.12°01'W. along the boundary of the West Side lode.

Desc. 240 ft. over NW. slope.

6.95 Intersect line 3-4 of the Esther lode, Min. Sur. No. 2458. S.89°35'E. 0.79 chs. dist. from cor. No. 3. From point of intersection cor No.4 bears S.89°35'E. 8.09 chs. dist.; a wooden post, 4 ins. square, 3 ft. high, supported in a mound of stone, marked 4-2458 on the SW., and 3-2458 on the SE faces.

10.95 Old road grade, bears E. and W.

11.65 Wash, 50 lks. wide, course E. Asc. 148 ft. over S. slope.

16.11 To cor. No1 of the West Side, and cor. No.4 of the West Side Turequise lodes, and place of beginning.

## Segregation Survey of the West Side Turequise

Lode, T.19 S., R.25 E.

chains

The  $\frac{1}{4}$  sec. cor. bet. secs. 17 and 20 bears N.28°28'E.  
15.52 chs. dist.

-----  
From cor. No.4 of the West Side Turequise and cor. No.1  
of the West Side lodes.

N.15°30'E. along the boundary of the West Side Turequise  
lode.

Asc. 125 ft. over S. slope.

5.30 Short spur, slopes S.10°E. Along E. slope.

8.50 Change of slope to SE. Asc. 100 ft.

12.55 Cross adit on crest of narrow spur, sloping S.20°W.  
Asc. 75 ft. over SW. slope.

14.14 Intersect line bet. secs. 17 and 20. S.89°49'W. 3.62 chs.  
dist. from the  $\frac{1}{4}$  sec. cor.

16.60 Rocky ridge, bears N.35°W. and S.35°E. Desc. 80 ft. over  
NE. slope.

20.00 Top of cliff, 40 ft. high, bearing W. and SE.

20.65 The NE. location cor. which is an ocotilla stalk 6 ft.  
long supported in a mound of stone. In place of stalk,  
with stalk alongside,  
Set an iron post, 3 ft. long, 1 in. diam. in talus at  
base of bluff, with a stone 24 x 12 x 8 ins. marked with  
a cross (X) deposited at base, in a mound of stone to  
top, for cor. No.1 of the West Side Turequise lode, with  
brass cap mkd.

WST 1

1933

The  $\frac{1}{4}$  sec. cor. bet. secs. 17 and 20 bears S.16°45'E.  
6.54 chs. dist.

N.81°05'W. along the boundary of the West Side Turequise  
lode.

Asc. broken and precipitous NE. slope 90 ft.

2.50 Sharp ridge, bears N.20°W. and S.20°E. Desc. 175 ft. over  
W. slope.

3.75 Portal of tunnel extending S.80°E. bears S.8 $\frac{1}{2}$ °W. 2.90 chs.  
dist.

9.15 Set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the  
ground, for cor. No.2 of the West Side Turequise lode.  
with brass cap mkd.

2  
WST

1933

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

The NW. location cor. bears N.10°30'E. 2.99 chs. dist.;  
an ocotilla stalk, 2 ft. long, supported in a mound of  
stone.



Segregation Survey of the West Side Turequise

Lode, T.19 S.,R.25 E.

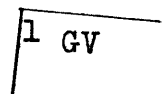
BOOK 4008

- chains
- S.15°22'W. along the boundary of the West Side Turequise lode.
- Desc. 80 ft. over SW. slope.
- 4.85 Head of drain, course SW. Asc. 20 ft.
- 7.65 Small spur, slopes W. Desc. 100 ft. over SW. slope.
- 8.02 Intersect line bet.secs. 17 and 20. S.89°49'W. 13.05 chs. dist. from 1/4 sec. cor.
- 12.80 Drain, course W. Asc. 15 ft.
- 14.80 Flat spur. slopes SW. Desc. 25 ft.
- 20.66 To cor. No.3, identical with cor No.2 of the West Side and cor. No.4 of the Grand View lodes, hereinbefore described.
- Thence
- S.81°05'E. along the boundary of the West Side Turequise, which is also the boundary of the West Side lode, hereinbefore noted.
- 9.08 To cor. No.4. and point of beginning.

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Segregation Survey of the Grand View Lode  
T.19 S.,R.25 E.

- Beginning at cor. No.4 of the Grand View Lode
- S.88°42'W. along the boundary of the Grand View lode.
- Desc. 60 ft. over gradually decreasing W. slope, thru very scattered undergrowth.
- 3.15 Low divide, bears NE. and SW.
- 9.65 Road, bears N. and S.
- 21.86 Three strand wire fence, bears N. and S.
- 22.66 Set an iron post, 3 ft. long. 1 in. diam. 18 ins. in the ground, to bedrock. with a stone 10 x 6 x 6 ins. marked with a cross (X) deposited alongside, and in a mound of stone to top, for cor. No. 1 of the Grand View lode, with brass cap mkd.



1933

The NW. location cor. having been established in a shallow draw has been washed out by flood waters. The location of Cor.1 is determined by a line parallel to the east end line of the location. and 600 ft. distant in right angle width from the SW. location cor. of said claim.

The cor. of secs. 17,18,19 and 20, hereinbefore described bears N.2°17'W. 12.67 chs. dist.

## Segregation Survey of the Grand View Lode

T.19 S., R.25 E.

chains

S.3°52'W. along the boundary of the Grand View lode.

Along sloping E. bank of wash.

0.30 Enter wash, course N. Asc. 15 ft.

4.60 Well. or shaft, 6 x 8 ft. bears East 90 lks. dist.

6.91 Intersect line bet. secs. 19 and 20 S.0°05'E. 19.56 chs.  
dist. from the cor. of secs. 17, 18, 19 and 20.  
Leave overflow wash, course N. from SW.9.12 To SW. location monument; a mound of stone 4 ft. base.  
1½ ft. high. At center of mound,Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in the  
ground, for cor. No.2 of the Grand View lode, with brass  
cap mkd.

2 GV

1933

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

Thence

N.88°37'E. along the boundary of the Grand View lode.

Asc. 17 ft.

0.20 Four strand wire fence, bears N. and S.

2.06 Three strand wire fence, bears N.77°E. and S.77°W.

2.40 Low flat divide, bears NE. and SW.

7.50 Desc. 15 ft.

12.80 Wash, 30 lks. wide, course N.60°E. Asc. 25 ft. over  
gentle NW. slope.

13.30 Well and pump, bears N. 10 lks. dist.

16.03 Three strand wire fence, bears S.70°E. and N.70°W.

22.67 To SE. location monument; a mound of stone 4 ft. base.  
1½ ft. high. At center of mound,Set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the  
ground, for cor. No.3 of the Grand View lode, with brass  
cap mkd.

GV 3

1933

raise a mound of  
stone 3 ft. base, 2 ft. high, NW. of cor.The residence of Lynn D. Shattuck bears N.77°W. 8.50 chs.  
dist.

Thence

N.3°52'E. along the boundary of the Grand View lode.

Desc. 35 ft. over N. slope.

1.50 Old road grade, bears E. and W.

Segregation Survey of the Grand View Lode

T.19 S.,R.25 E.

BOOK 4008

chains

2.80 Wash, 50 lks. wide. course E. Asc. 60 ft. over S. slope.

6.04 Three strand wire fence, bears NE. and SW.

9.10 To cor. No.4 and place of beginning.

Center of shaft, 5 x 6 ft. bears S.44°W. 6.05 chs. dist.

Final Test of Instrument.

For final test see final test of instrument in the field notes of the survey of a portion of the subdivisional lines of T.18 S.,R.25 E. surveyed under this group.

General Description.

The land within sections 17 and 20 varies from a gently rolling to a mountainous formation; elevations ranging from 4800 to 5600 ft. above sea level.

The soil ranges from a sedimentary sand to an igneous rock structure; is of shallow depth and poor quality.

There is a scattered growth of greasewood and mesquite, cacti and allied thorny plants predominate.

The old mining town of Courtland is situated in section 21. Mining activity which was very pronounced in the past is now in complete abeyance, and all properties in dilapidated disrepair.

Areas.

West Side	-----	13.86 acres.
West Side Turequise	----	18.70 acres.
Grand View	-----	20.56 acres.

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4-680  
(August, 1926)

BOOK 4008

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Ray McCreary	1st. chainman.
John Boggs	2nd. chainman.
Albert Heath	cornerman.
J. B. Chumbley	flagman.

200  
19

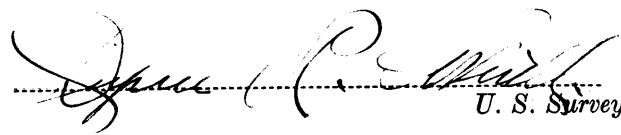
BOOK 4003

CERTIFICATE OF UNITED STATES SURVEYOR

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 27th. day of February, 1933, 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, dependently resurveyed the section boundaries, and made a metes-and-bounds survey of bodies of land classified as mineral bearing, included within the West Side, West Side Turequise and Grand View Quartz Mining Claims, in Sections 17 and 20, Township 19 South, Range 25 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 and resurvey 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 survey and resurvey.

Glendale, California.  
September 9, 1933.

  
U. S. Surveyor.


APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,  
Denver, Colorado, May 9, 1934.

The foregoing field notes of the of the dependent resurvey of the section boundaries, and the metes-and-bounds survey of bodies of land classified as mineral bearing, included within the West Side, West Side Turequise and Grand View Quartz Mining Claims, in sections 17 and 20, Township 19 South, Range 25 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Dupree R. Averill, U.S. Surveyor,

under his special instructions dated February 27, 1933, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys, and resurveys they describe, are hereby approved.

  
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.