

FIELD NOTES

of the

4003

Dependent resurvey of a portion of the Gila and Salt River Base Line through Range 4 East, and a portion of the subdivisional lines of Township 1 South, Range 4 East; and metes-and-bounds survey of a body of land classified as mineral bearing, included within the Aurora, San Andres, Eliza and Lola Mining Claims, in Sections 6 and 7, of Township 1 South, Range 4 East.

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

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

4003

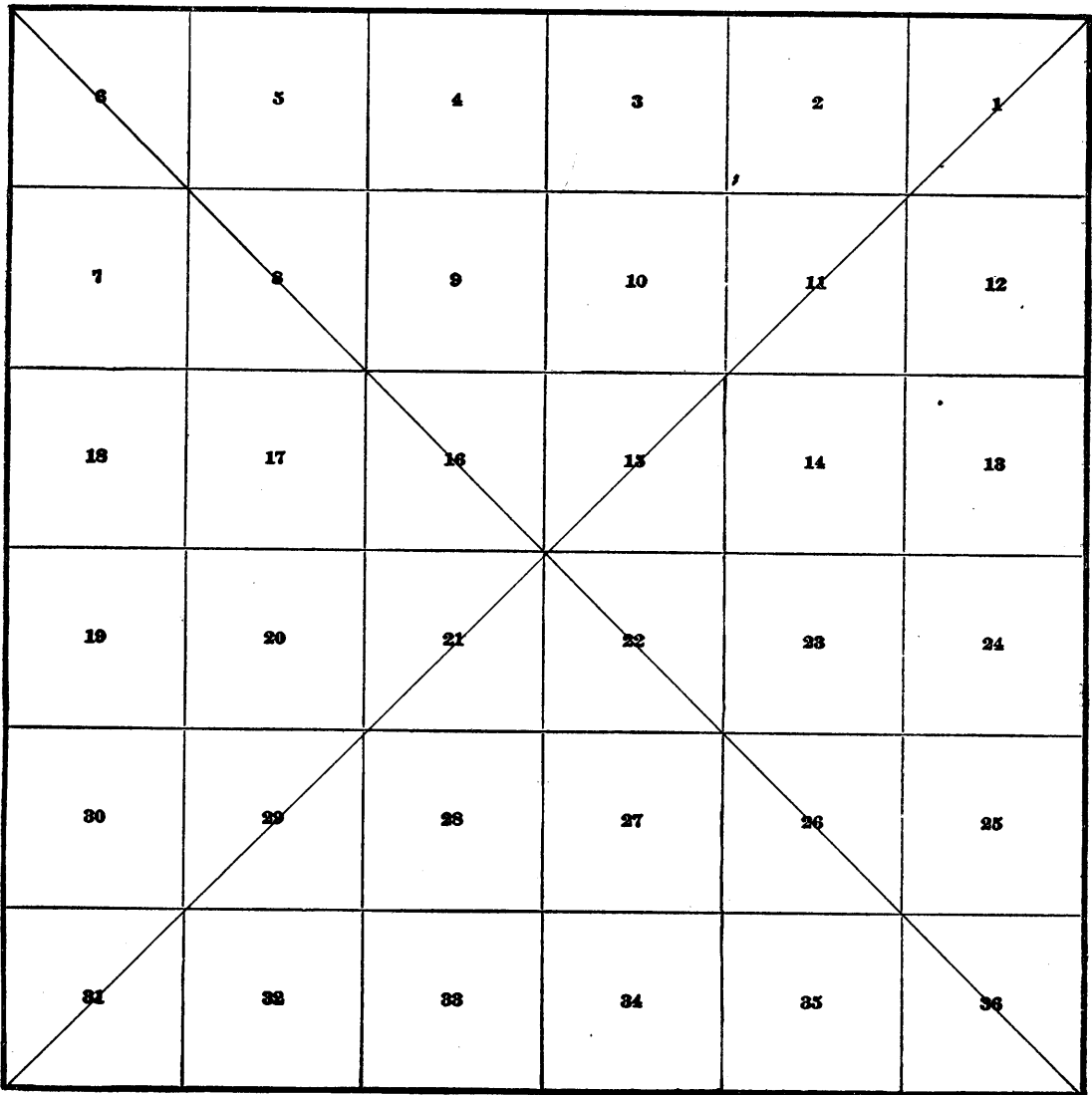
In the capacity of U. S. Surveyor, under Special Instructions dated April 5, 1932, issued by the District Cadastral Engineer to govern surveys included in Group No. 176, which were approved by the Commissioner of the General Land Office, April 20, 1932, and Assignment Instructions dated November 29,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

Survey commenced February 7, 19 33.

Survey completed February 17, 19 33.

INDEX DIAGRAM.

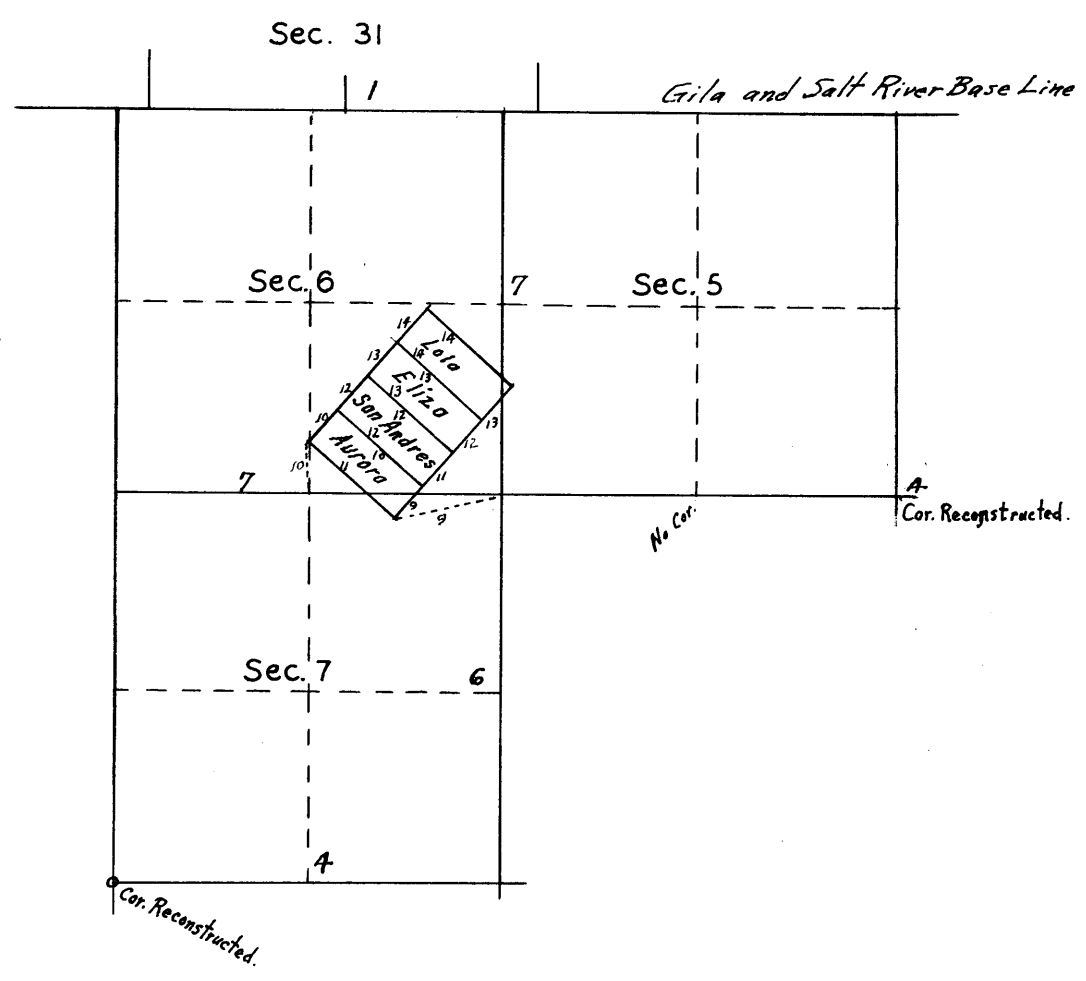
Township _____, Range _____



INDEX DIAGRAM

T. 1 S., R. 4 E.

BOOK 4003



Chains.

The survey of certain mining claims and necessary re-surveys of secs. 6 and 7, T. 1 S., R. 4 E., Gila and Salt River Meridian was executed with a light mountain transit made by Buff & Buff, Serial No. 16723, with Smith solar attachment. For detailed description of instrument, equipment, and preliminary test of the solar attachment, see the field notes for T. 1 S., R. 2 E. of this group.

The Gila and Salt River Base Line through R. 4 E., was surveyed by W. H. Pierce, U. S. Deputy Surveyor, in 1866. T. 1 S., R. 4 E. was subdivided by W. F. Ingalls, U. S. Deputy Surveyor, in 1868. The west bdrs. of secs. 6 and 7, T. 1 S., R. 4 E. were resurveyed, and the standard cor. of Tps. 1 N., Rs. 3 and 4 E. reestablished by Sidney E. Blout, U.S. Cadastral Engineer, in 1922.

RESURVEY OF A PORTION OF THE GILA AND SALT RIVER BASE LINE THROUGH R. 4 E.

Beginning at the standard cor. of Tps. 1 N., Rs. 3 and 4 E., which is an iron post, 3 ins. diam., firmly set, 5 ins. below the surface, marked as described in the official record.

East, on a random line along the S. bdy. of sec. 31.

31.00 Set temp. 1/4 sec. cor. for sec. 6, T. 1 S., R. 4 E.

39.67 Fall 21 lks. S. of the standard 1/4 sec. cor.

70.30 Fall 67 lks. S. of the closing cor. of secs. 5 and 6, T. 1 S., R. 4 E.

79.39 Fall 54 lks. S. of the standard cor. of secs. 31 and 32.

Returning to the standard cor. of Tps. 1 N., Rs. 3 and 4 E.

Thence

N. 89° 42' E., on a true line along the S. bdy. of sec. 31.

Over rolling land along surfaced road.

2.25 Middle of bridged irrigation canal, 10 lks. wide, 4 ft. deep, course SW. (North Branch Highline Canal.)

9.80 Wash, 30 lks. wide, course NE.

21.20 Same canal, bridged, course NW.

30.67 At the proportional point for the 1/4 sec. cor. of sec. 6, T. 1 S., R. 4 E.

Set an iron post, 3 ft. long, 1 in. diam., 39 ins. in the the ground, for 1/4 sec. cor. of sec. 6, with brass cap mkd.

1/4 S6

1933

To further perpetuate this cor.. at points S. 45° E. and S. 45° W., 71 lks. dist.

RESURVEY OF A PORTION OF THE GILA AND SALT RIVER
BASE LINE THROUGH R. 4 E.

Chains.

Set iron posts, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cors. to the $\frac{1}{4}$ sec. cor. of sec. 6, with brass caps mkd.

W C

 $\frac{1}{4}$ S6

1933

39.67

The standard $\frac{1}{4}$ sec. cor., which is a boulder 5 ins. below the surface, mkd. $\frac{1}{4}$ on N. face and a cross (X) on top. From records of local engineers I find that this standard $\frac{1}{4}$ sec. cor., the closing cor. of secs. 5 and 6 and the standard cor. of secs. 31 and 32 have been known and accepted as such since 1910. Further it is noted that property lines agree with said positions.

To further perpetuate this cor. at points N. 45° E. and N. 45° W., 71 lks. dist.,

Set iron posts, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cors. to the standard $\frac{1}{4}$ sec. cor., with brass caps mkd.

W C

S C

 $\frac{1}{4}$ S31

1933

Thence

✓ N. 89° 32' E., along the S. bdy. of sec. 31.

19.48 Lane, bears N.

19.62 U. S. Reclamation Service bench mark, a brass tablet 4 ins. diam., unmarked and embedded in cement abutment bears S. 23 lks. dist.

19.68 Middle of irrigation ditch, 5 lks. wide, 2 ft. deep, bears N. and S.

30.63 At a point in the line, hereinafter described, between secs. 5 and 6, T. 1 S., R. 4 E., from which the local closing cor. for secs. 5 and 6, an iron pipe, 1 in. diam. set flush with the surface, bears N. 0° 28' E., 20 lks. dist.,

Set an iron post., 3 ft. long, 2 ins. diam., 40 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap mkd.

T1N R4E

S31

S6	S5
T 1S	R4E

C C

1933

To further perpetuate this cor., at points S. 45° E. and S. 45° W., 71 lks. dist.,

Set iron posts, 3 ft. long, 2 ins. diam., 32 ins. in the ground, for witness cors. to the closing cor. of secs. 5 and 6, with brass caps mkd.

W C

T1N R4E

S6	S5
T1S	R4E

C C

1933

RESURVEY OF A PORTION OF THE GILA AND SALT RIVER
BASE LINE THROUGH R. 4 E.

BOOK 400

Chains.
39.33 Irrigation ditch, 5 lks. wide, 2 ft. deep, course N.

39.72 The standard cor. of secs. 31 and 32, which is an iron pipe, 1 in. diam., leaning, and set 5 ins. below the surface of roads, bearing N., E. and W.

At point for cor., with old pipe alongside

Set an iron post, 3 ft. long, 2 ins. diam., 40 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap mkd.

S	C
TLN	R4E
S31	S32

1933

To further perpetuate this cor., at points N. 45° E. and N. 45° W., 71 lks. dist.,

Set iron posts, 3 ft. long., 2 ins. diam., 32 ins. in the ground, for witness cors. to the standard cor. of secs. 31 and 32, with brass caps mkd.

W	C
S	C
TLN	R4E
S31	S32

1933

Land, gently rolling.
Soil, gravelly; 2nd rate.
No timber.

RESURVEY OF A PORTION OF THE SUBDIVISIONS OF
T. 1 S., R. 4 E.

From the closing cor. of secs. 5 and 6.

South, on a random line bet. secs. 5 and 6.

40.10 Fall 33 lks. E. of the point for the $\frac{1}{4}$ sec. cor.

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

South, on a random line bet. secs. 5 and 6, $S\frac{1}{2}$.

40.00 No trace found of the cor. of secs. 5, 6, 7 and 8.
Set temp. cor.

Thence

South, on a random line bet. secs. 7 and 8.

40.00 No trace found of the $\frac{1}{4}$ sec. cor. Set temp. cor.

81.16 Fall 11 lks. W. of the cor. of secs. 7, 8, 17 and 18.

From the cor of secs. 1, 6, 7 and 12 on the W. bdy. of the Tp.

East, on a random line bet. secs. 6 and 7.

36.13 Fall 25 lks. S. of the $\frac{1}{4}$ sec. cor.

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

RESURVEY OF A PORTION OF THE SUBDIVISIONS
OF T. 1 S., R. 4 E.

Chains.	East, on a random line bet. secs. 6 and 7, $E\frac{1}{2}$.										
40.65	Fall 102 lks. S. of the temp. cor. of secs. 5, 6, 7, and 8. Thence with continuous alignment and new measurement. East, on a random line bet. secs. 5 and 8.										
40.00	No trace found of the $\frac{1}{4}$ sec. cor. Set temp. cor.										
79.99	Fall 138 lks. S. of the cor. of secs. 4, 5, 8 and 9, which is an iron pipe, 2 ins. diam., set flush with the surface of improved roads bearing N., S. and E. accept- ed and used by adjacent landholders and the County Highway engineers. At the corner point with the old pipe alongside Set an iron post, 3 ft. long, 2 ins. diam., 40 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, with brass cap mkd. <table style="margin-left: auto; margin-right: auto;"> <tr><td>TLS</td><td>R4E</td></tr> <tr><td>S5</td><td>S4</td></tr> <tr><td>S8</td><td>S9</td></tr> </table> 1933 To further perpetuate this cor., at points N. 45° E., S. 45° E., S. 45° W., and N. 45° W., 71 lks. dist., Set iron posts, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cors. to the cor. of secs. 4, 5, 8 and 9, with brass caps mkd. <table style="margin-left: auto; margin-right: auto;"> <tr><td>W C</td></tr> <tr><td>TLS R4E</td></tr> <tr><td>S5 S4</td></tr> <tr><td>S8 S9</td></tr> </table> 1933	TLS	R4E	S5	S4	S8	S9	W C	TLS R4E	S5 S4	S8 S9
TLS	R4E										
S5	S4										
S8	S9										
W C											
TLS R4E											
S5 S4											
S8 S9											
	I now return to the cor. of secs. 7, 8, 17 and 18. A flag at the cor. of secs. 7, 12, 13 and 18 being in sight. Thence S. 89° 17' W., on a random line bet. secs. 7 and 18.										
40.00	No trace found of the $\frac{1}{4}$ sec. cor. Set temp. cor.										
77.68	The cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., which is an iron pipe, 1 in. diam., set flush with the surface at W. edge of road bearing S. and E. This cor. was further verified from the $\frac{1}{4}$ sec. cors. half mile north and west. At point for cor. with old pipe alongside Set an iron post, 3 ft. long, 2 ins. diam., 36 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, with brass cap mkd. <table style="margin-left: auto; margin-right: auto;"> <tr><td>TLS</td></tr> <tr><td>R3E R4E</td></tr> <tr><td>S12 S7</td></tr> <tr><td>S13 S18</td></tr> </table> 1933 To further perpetuate this cor., at points N. 45° E., S. 45° E., S. 45° W and N. 45° W., 71 lks. dist.,	TLS	R3E R4E	S12 S7	S13 S18						
TLS											
R3E R4E											
S12 S7											
S13 S18											

RESURVEY OF A PORTION OF THE SUBDIVISIONS
OF T. 1 S., R. 4 E.

Chains.

Set iron posts, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cors. to the cor. of secs. 7, 12, 13 and 18, with brass caps mkd.

W C
T1S
R3E R4E
S12 S7
S13 S18

1933

Thence

N. 89° 17' E., on a true line bet. secs. 7 and 18.

Over level land, along graded road.

37.80 At the proportional point

Set an iron post, 3 ft. long, 1 in. diam., 38 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S7
S18

1933

To further perpetuate this cor., at points S. 45° W. and N. 45° W., 71 lks. dist.

Set iron posts, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cors. to the $\frac{1}{4}$ sec. cor., with brass caps mkd.

W C
 $\frac{1}{4}$ S7
S18

1933

77.32 Telephone line, bears N. and S.

77.68 The cor. of secs. 7, 8, 17 and 18, which is an iron pipe, 1 in. diam., flush with the surface of graded road, further verified by similar cors. east 40 and 80 chs. At cor. point with old pipe alongside

Set an iron post, 3 ft. long, 2 ins. diam., 38 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T1S R4E
S7 S8
S18 S17

1933

To further perpetuate this cor., at points N. 45° E., S. 45° E., S. 45° W., and N. 45° W., 71 lks. dist.

Set iron posts, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cors. to the cor. of secs. 7, 8, 17 and 18, with brass caps mkd.

W C
T1S R4E
S7 S8
S18 S17

1933

RESURVEY OF A PORTION OF THE SUBDIVISIONS OF
T. 1 S., R. 4 E.

Chains.

Land, level.
Soil, sandy and gravelly; 2nd rate.
No timber; undergrowth, greasewood and juniper.

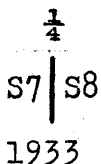
Thence

N. 0° 24' W., on a true line bet. secs. 7 and 8.

Over level land through scattering undergrowth.

- .94 Wash, 10 lks. wide, 1 ft. deep, course SE.
- 7.60 Wash, 6 lks. wide, 1 ft. deep, course SE.
- 12.60 Wash, 6 lks. wide, course SE.
- 40.39 At the proportional point for cor.

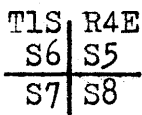
Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a glass bottle deposited at the base, for $\frac{1}{4}$ sec. cor., with brass cap mkd.



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

- 51.20 Draw, 20 lks. wide, 6 ft. deep, course SE.
- 59.60 Draw, 25 lks. wide, 10 ft. deep, course SE.
- 65.30 Draw, 50 lks. wide, 12 ft. deep, course SE.
- 68.10 Draw, 20 lks. wide, 10 ft. deep, course SE.
- 72.70 Draw, 5 lks. wide, 5 ft. deep, course SE.
- 75.10 Telephone line, bears NW. and S. along W. side of line.
- 77.40 Draw, 10 lks. wide, 5 ft. deep, course E.
- 78.40 Draw, 10 lks. wide, 5 ft. deep, course E. The two latter draws join about $1\frac{1}{2}$ chs. E. of line.
- 80.77 At the proportional point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap mkd.



1933

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

Land, level.
Soil, gravelly; 2nd and 3rd rates.
No timber; undergrowth, greasewood.

RESURVEY OF A PORTION OF THE SUBDIVISIONS OF
T. 1 S., R. 4 E.

BOOK 4005

Chains.

Thence from the cor. of secs. 1, 6, 7 and 12 on the W. bdy. of the Tp., which is an iron post, 2 ins. diam., 10 ins. above the ground, firmly set, marked and witnessed as described in the official record.

N. 89° 36' E., on a true line bet. secs. 6 and 7.

Over mountainous land; broken rocky S. slope.

5.60 Descend 70 ft. over SE. slope.

20.42 Dim road, bears NE. and SW.

25.12 Road, bears N. and S. in a wash, 10 lks. wide, course N.

36.13 The $\frac{1}{4}$ sec. cor., which is a granite stone, 6 x 8 x 14 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face and witnessed by a mound of stone, S. of cor. From a local engineer I find that this cor. has been known and used as such some 15 years. North and alongside

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\frac{1}{4} \frac{S6}{S7}$$

1933

of stone, 3 ft. base, 2 ft. high, N. of cor. rebuild mound

Thence

N. 89° 06' E., on a true line bet. secs. 6 and 7.

4.90 Descend 80 ft. over SE. slope.

12.10 W. bank of wash, 10 ft. high, course NE.

28.50 E. bank of wash, 15 ft. high, bears NE. and SW. Thence over level land.

30.40 Dim road, bears NE. and SW.

33.46 Telephone line, bears NW. and SE.

35.87 Telephone line, bears NW. and SE.

40.19 The cor. of secs. 5, 6, 7 and 8.

Land, level, rough and broken.
Soil, gravelly and stony; 3rd and 4th rates.
No timber.

Thence

N. 0° 40' E., on a true line bet. secs. 5 and 6.

Over level land.

4.00 S. bank of wash, 12 ft. high, course E.

4.90 Road, bears E. and W.

7.20 N. bank of wash, 10 ft. high, bears E. and W. Ascend 190 ft. over S. slope.

RESURVEY OF A PORTION OF THE SUBDIVISIONS OF
T. 1 S., R. 4 E.

Chains.	
20.04	Ridge, bears E. and W. A beacon on point of ridge, bears E. about 4.00 chs. dist. Descend 200 ft. over N. slope.
30.30	Road, bears E. and W.
31.30	Draw, 20 lks. wide, 3 ft. deep, course N. 60° E. Thence ascend slightly over SE. slope.
33.70	Small spur, slopes E. Descend 100 ft. over NE. slope to
40.39	The $\frac{1}{4}$ sec. cor., which is a mound of flat stones, 3 ft. base, 1 ft. high, Position verified from records of two engineers made during 1910 and 1925, at which time the original post was in evidence. At point for cor.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, with a granite rock, 6 x 6 x 12 ins. deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S6 S5 1933
	Thence
	N. 0° 28' E., on a true line bet. secs. 5 and 6, N $\frac{1}{2}$.
5.53	Draw, 15 lks. wide, 4 ft. deep, course NE.. thence over level land.
6.63	Dim road, bears NE. and SW.
27.93	Draw, 10 lks. wide, 5 ft. deep, course NE
31.83	Same draw, course NW.
35.23	North Branch Highline Canal, 15 lks. wide, 3 ft. deep, course W.
36.80	Corner of fences, bearing N., E. and W. Thence along fence over cultivated land.
39.65	Fence, bears E. and W.
40.10	The closing cor. of secs. 5 and 6, heretofore described. Land, level and mountainous. Soil, gravelly and stony; 2nd and 4th rates. No timber; undergrowth, scattering greasewood and juniper.

SURVEY OF THE AURORA.

FORM 400

Chains.

Metes and bounds surveys of bodies of lands known as the Lola, Eliza, San Andres and Aurora, located June 11, 1923, by John W. Lewis, classified as mineral bearing, but not covered by mineral patent surveys.

The lands classified as mineral bearing were shown me by J. E. Busch, Mining Engineer, General Land Office. However, since he made his examinations practically all evidence of monuments had been demolished or obliterated. It appears that the claims were located and assessment work done for the claimant by one Jose Encinas, now deceased, consequently the claimant knew very little of the details relating to the monuments. However, he with the assistance of an indain that had done some work on the claims showed the ground intended to be covered, apparently sure of one monument only. The directions of the side and end lines were determined from natural land marks.

Beginning at cor. No. 1 of the Aurora mining claim, where I-

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



1933

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

The cor. of secs. 5, 6, 7 and 8, T. 1 S., R. 4 E., bears N. 77° 07' E., 22.78 chs. dist.; hereinbefore described.

Thence

N. 43° 01' E., along bdy. of the Aurora.

Over level land through scattering undergrowth.

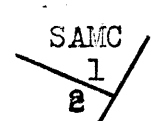
2.90 Dim road, bears E. and W.

5.35 Middle of wash, 150 lks. wide, course N. 60° E.

6.55 Intersect the line bet. secs. 6 and 7, at a point from which the cor. of secs. 5, 6, 7 and 8, bears N. 89° 06' E., 17.73 chs. dist., hereinbefore described.

8.60 An excavation, 15 ft. sq., 3 ft. deep, bears N. 47° W., 40 lks. dist.

9.15 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for cor. No. 2 of the Aurora and cor. No. 1 of the San Andres, with brass cap mkd.



1933

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

From this cor. the cor. of secs. 5, 6, 7 and 8, bears S. 84° 13' E., 16.04 chs. dist., hereinbefore described.

Thence

SURVEY OF THE AURORA.

Chains.

N. $53^{\circ} 30'$ W., bet. the Aurora and San Andres.

Over rough and broken land; ascend 150 ft. over E. slope.

5.73 Top of hill, descend 136 ft. over N. slope.

15.93 Road, bears E. and W.

16.73 Wash, 20 lks. wide, course NE., thence ascend 20 ft. over SE. slope.

22.72 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, with a granite rock, 10 x 6 x 3 ins., mkd. X., deposited at the base, for cor. No. 3 of the Aurora and cor. No. 4 of the San Andres, with brass cap mkd.



1933

From this point a monument of rock, 3 ft. base, $1\frac{1}{2}$ ft. high, alongside a shaft, 5 x 6 ft., 10 ft. deep, bears S. $55^{\circ} 30'$ E., 11.07 chs. dist.

Thence

S. $43^{\circ} 01'$ W., along the bdy. of the Aurora.

Descend gradually through scattering undergrowth.

9.15 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for cor. No. 4 of the Aurora, with brass cap mkd.



1933

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

From this point the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 7, bears S. $1^{\circ} 47'$ E., 9.08 chs. dist., hereinbefore described.

From the same point a mound of stone, 4 ft. base, 2 ft. high, bears S. $70^{\circ} 05'$ W., 6.52 chs. dist.

Thence

S. $53^{\circ} 30'$ E., along the bdy. of the Aurora.

Over hilly land, through scattering undergrowth.

1.10 Wash, 10 lks. wide, course NE., ascend 107 ft. over NW. slope.

1.40 Road, bears NE. and SW.

9.40 Top of hill, descend 133 ft. over broken SE. slope.

14.95 Intersect the line bet. secs. 6 and 7, at a point from which the $\frac{1}{4}$ sec. cor., bears S. $89^{\circ} 06'$ W., 11.73 chs. dist., hereinbefore described.18.00 Middle of wash, 140 lks. wide, course N. 60° E.

SURVEY OF THE AURORA.

BOOK 4008

Chains.

20.70 Dim road, bears E. and W., near W. end.

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

Area of the Aurora Mining Claim- 20.65 Acres.

SURVEY OF THE SAN ANDRES.

Beginning at cor. No. 1 of the San Andres mining claim identical with cor. No. 2 of the Aurora mining claim, hereinbefore described.

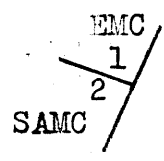
N. 43° 01' E., along the bdy. of the San Andres.

Along E. slope of hill through scattering undergrowth.

4.20 Telephone line, bears NW. and SE.

5.70 Telephone line, bears NW. and SE.

9.15 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a granite rock, 8 x 6 x 4 ins., mkd. X, deposited at the base, for cor. No. 2 of the San Andres and cor. No. 1 of the Eliza, with brass cap mkd.



1933

From this point the cor. of secs. 5, 6, 7 and 8, bears S. 49° 32' E., 12.78 chs. dist., hereinbefore described.

From the same point a scattered mound of stone, 4 ft. base, 1 1/2 ft. high, bears N. 33° 30' W., 7.71 chs. dist., alongside of shaft, 4 x 6 ft., 20 ft. deep. A shaft, 4 x 6 ft., 4 ft. deep, bears N. 16° 30' W., 5.00 chs. dist.

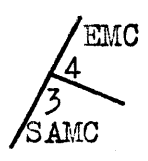
Thence

N. 53° 30' W., bet. the San Andres and Eliza.

Ascend SE. slope, 105 ft., through scattering undergrowth

11.75 A shaft, 4 x 6 ft., 4 ft. deep, bears S. 36° 30' W., 50 lks. dist.

22.72 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for cor. No. 3 of the San Andres and cor. No. 4 of the Eliza, with brass cap mkd.



1933

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

From this point a mound of stone; 2 ft. high, 1 1/2 ft. high, on top of a boulder, 6 x 3 x 3 ft., bears N. 64° 50' W., 3.22 chs. dist.

SURVEY OF THE SAN ANDRES.

Chains.

Thence

S. 43° 01' W., along the bdy. of the San Andres.

Descend 40 ft. over SE. slope through scattering undergrowth.

1.77 Telephone line, bears NW. and SE.

3.32 Telephone line, bears NW. and SE.

9.15 Cor. No. 4 of the San Andres, identical with cor. No. 3 of the Aurora, hereinbefore described.

Thence

S. 53° 30' E., bet. the San Andres and Aurora.

Descend 20 ft. over SE. slope through scattering undergrowth.

6.00 Wash, 20 lks. wide, course NE. Ascend 136 ft. over N. slope.

6.80 Road, bears E. and W.

17.00 Top of hill, descend 150 ft. over E. slope.

22.72 Cor. No. 1 of the San Andres, identical with cor. No. 2 of the Aurora, and place of beginning.

Area of the San Andres Mining Claim-- 20.65 Acres.

SURVEY OF THE ELIZA.

Beginning at cor. No. 1 of the Eliza and cor. No. 2 of the San Andres, hereinbefore described.

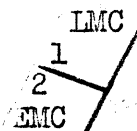
N. 43° 01' E., along the bdy. of the Eliza.

Ascend 161 ft. over rocky SE. slope, through scattering undergrowth.

7.40 Small spur, slopes E. Ascend 31 ft. over E. slope.

9.15 The location monument for the NE. cor. of the Eliza and SE. cor. of the Lola; a mound of stone, 3 ft. base, 3 ft. high. At point for cor.

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



1933

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

From this point the cor. of secs. 5, 6, 7 and 8, bears S. 13° 07' E., 15.37 chs. dist., hereinbefore described.

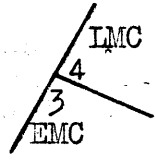
Thence

N. 53° 30' W., bet. the Eliza and Lola.

SURVEY OF THE ELIZA.

4003

- Chains. Ascend 36 ft. over rocky E. slope, through scattering undergrowth.
- 2.29 Ridge, bears NE. and SW. Descend 138 ft. over N. slope.
- 7.01 A shaft, 4 x 6 ft., 10 ft. deep, bears S. 36° 30' W., 1.70 chs. dist.
- 10.40 A shaft, 8 x 10 ft., 50 ft. deep, bears S. 36° 30' W., 70 lks. dist.
- 12.22 Road, near W. end, bears E. and W.
- 14.77 Ravine, course E., ascend 59 ft. over SE. slope.
- 18.93 Spur, slopes NE., descend 52 ft. over NW. slope.
- 22.72 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. deep in a crevice between large granite boulders, with a granite rock, 20 x 10 x 5 ins., mkd. X, deposited at the base, and in a mound of stone to the top, for cor. No. 3 of the Eliza and cor. No. 4 of the Lola, with brass cap mkd.



1933

Thence

S. 43° 01' W., along the bdy. of the Eliza.

Along NW. slope through scattering undergrowth.

- 9.15 Cor. No. 4 of the Eliza and cor. No. 3 of the San Andres, hereinbefore described.

Thence

S. 53° 30' E., bet. the Eliza and San Andres.

Descend SW. slope 105 ft. through scattering undergrowth.

- 10.97 A shaft, 4 x 6 ft., 4 ft. deep, bears S. 36° 30' W., 50 lks. dist.

- 22.72 Cor. No. 1 of the Eliza identical with cor. No. 2 of the San Andres, the place of beginning.

Area of the Eliza Mining Claim-- 20.65 Acres.

SURVEY OF THE LOLA.

Beginning at cor. No. 1 of the Lola mining claim, identical with cor. No. 2 of the Eliza mining claim, hereinbefore described.

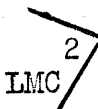
N. 43° 01' E., along the bdy. of the Lola.


Over mountainous land through scattering undergrowth; descend 44 ft. over E. slope.

- 2.50 Head of ravine, course SE. Ascend 72 ft. over S. slope.

SURVEY OF THE LOLA.

Chains.

- 5.44 Intersect the line bet. secs. 5 and 6, at a point from which the cor. of secs. 5, 6, 7 and 8, bears S. $0^{\circ} 40'$ W., 18.94 chs. dist., hereinbefore described.
- 7.55 Ridge, bears NE. and SW. Descend 18 ft. over NW. slope.
- 9.15 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for cor. No. 2 of the Lola, with brass cap mkd.
- 

1933
- raise a mound of stone, 3 ft. base, 2 ft. high, in angle on claim.
- Thence
- N. $53^{\circ} 30'$ W., along the bdy. of the Lola.
- Descend 173 ft. over NW. slope through scattering undergrowth.
- 3.09 Intersect the line bet. secs. 5 and 6, at a point from which the $\frac{1}{4}$ sec. cor., bears N. $0^{\circ} 40'$ E., 16.90 chs. dist., hereinbefore described.
- 7.70 Road, bears NE. and SW.
- 8.60 Wash, 10 lks. wide, course NE. Ascend 46 ft. over SE. slope.
- 11.15 A mound of stone, 3 ft. base, 2 ft. high, bears S. $64^{\circ} W.$, 1.89 chs. dist., said mound is 40 lks. N. of a shaft. 4 x 6 ft., 10 ft. deep.
- Thence along broken NE. slope.
- 22.72 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, with a granite stone, 8 x 6 x 4 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. No. 3 of the Lola, with brass cap mkd.
- 

1933
- From this point, the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 6, bears N. $80^{\circ} 30'$ E., 14.78 chs. and N. $27^{\circ} 23'$ E., 3.12 chs. dist., hereinbefore described, (Equivalent to direct tie. N. $71^{\circ} 59'$ E., 16.84 chs.)
- Thence
- S. $43^{\circ} 01'$ W., along the bdy. of the Lola.
- Over broken NW. slope through scattering undergrowth.
- 9.15 Cor. No. 4 of the Lola and cor. No. 3 of the Eliza, hereinbefore described.
- Thence
- S. $53^{\circ} 30'$ E., along the bdy. of the Lola and Eliza.
- Ascend broken NW. slope 52 ft., through scattering undergrowth.
- 3.79 Spur, slopes NE., descend 59 ft. over SE. slope.

SURVEY OF THE LOLA.

BOOK 4003

Chains.	
7.95	Ravine, course E., ascend 138 ft. over N. slope.
10.50	Road, bears E. and W.
12.32	A shaft, 8 x 10 ft., 50 ft. deep, bears S. 36° 30' W., 70 lks. dist.
15.71	A shaft, 4 x 6 ft., 10 ft. deep, bears S. 36° 30' W., 1.70 chs. dist.
20.43	Ridge, bears NE. and SW. descend 36 ft. over rocky E. slope.
22.72	Cor. No. 1 of the Lola identical with cor. No. 2 of the Eliza, the place of beginning.
	Area of the Lola Mining Claim-- 20.65 Acres.

FINAL TEST OF SOLAR ATTACHMENT.

February 17, 1933: On the meridian determined by observation on Polaris and described in the notes for T. 1 S., R. 2 E. of this group, at 8h 0m a.m., app.t, I set off 33° 22' N. on the lat. arc; 11° 57' S. on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 4 h 0m p.m., app. t., I set off 33° 22' N. on the lat. arc; 11° 50' S., on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

February 17, 1933

GENERAL DESCRIPTION.

The mining claims covered in the foregoing field notes lie mostly in the SE $\frac{1}{4}$ of sec. 6, T. 1 S., R. 4 E., near the east edge of the Phoenix Mountain Park and about one mile west of the indian village, Guadalupe.

The land is hilly, broken and very rocky, with very little of the original ground cover remaining. Anything that would make fuel has been carried away.

More or less holes of various shapes, other than noted, were observed, but I was unable to determine whether these small holes were part of the assessment work.

BOOK 4003 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, dependently resurveyed a portion of the Gila and Salt River Base Line through Range 4 East, and a portion of the subdivisional lines of Township 1 South, Range 4 East; and executed a metes-and-bounds survey of a body of land classified as mineral bearing, included within the Aurora, San Andres, Eliza and Lola Mining Claims, in Sections 6 and 7, of Township 1 South, Range 4 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 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 resurvey and metes-and-bounds survey.

Glendale, California, July 15, 1933

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

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS, Denver, Colorado, November 7, 1933.

The foregoing field notes of the dependent resurvey of a portion of the Gila and Salt River Base Line through Range 4 East, and a portion of the subdivisional lines of Township 1 South, Range 4 East; and metes-and-bounds survey of a body of land classified as mineral bearing, included within the Aurora, San Andres, Eliza and Lola Mining Claims, in Sections 6 and 7, of Township 1 South, Range 4 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 [redacted], has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.