

Book B.

BOOK 3968

# FIELD NOTES

OF THE SURVEY OF

portions of the East boundary

and subdivisional lines

of

Township 20 South, Range 5 East.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William E. Hiester, U.S. Surveyor.

In the capacity of U. S. Surveyor, under Special Instructions dated December 1, 1931, issued by the District Cadastral Engineer to govern surveys included in Group No. 172, which were approved by the Commissioner of the General Land Office, December 29, 1931, and Assignment Instructions dated December 4, 1931.

Survey commenced January 23, 1932.

Survey completed January 27, 1932.

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BOOK 3968

# INDEX DIAGRAM.

Township 20 S., Range 5 E.

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Chains.

The survey of a portion of the east boundary and subdivisions of T.20 S.,R.5 E.,G & S.R.M.,was executed by William E.Hiester,U.S.Surveyor.For description and tests of instrumental equipment and for preliminary observations,see field notes of resurvey of the fourth standard parallel south through Ranges 5 and 6 E.,in book "A" of this group.

Beginning at the standard cor.of Tps.20 S.,Rs.5 and 6 E., which is an iron post,3 ins.diam.,8 ins.above ground, firmly set,marked and witnessed as described in the field notes of the resurvey of the fourth standard parallel south through R.5 E.executed under this group.

North,bet.secs.31 and 36.

Over level land,through dense undergrowth.

13.70 Road,bears NE.and SW.

13.80 House bears W.about 5 chs.dist.

13.95 Wire fence,bears E.and W.;cor.of fence bears W.about 5 chs.dist.;enter cultivated field.

24.40 Wire fence,bears E.and W.;leave cultivated field.

38.55 Wire fence,bears E.and W.

40.00 Set an iron post,3 ft.long,1 in.diam.,28 ins.in the ground,for  $\frac{1}{4}$  sec.cor.with brass cap mkd.

$\frac{1}{4}$   
S36 | S31  
1932

from which

A mesquite,5 ins.diam.,bears N.82°E.,94 lks.dist.,  
mkd.  $\frac{1}{4}$  S 31 B T.

A mesquite 9 ins.diam.,bears S.32<sup>3</sup>/<sub>4</sub>°W.,217 lks.dist.  
mkd.  $\frac{1}{4}$  S 36 B T.

65.40 Fence,bears E.and W.

80.00 Set an iron post,3 ft.long,2 ins.diam., 28 ins.in the ground,for cor.of secs.25,30,31 and 36,with brass cap mkd.

T20S  
R5E R6E  
S25 | S30  
S36 | S31  
1932

from which

A mesquite,6 ins.diam.,bears N.22°E.,191 lks.dist.,  
mkd.T 20 S R 6 E S 30 B T.

A mesquite,9 ins.diam.,bears S.37<sup>3</sup>/<sub>4</sub>°E.,65 lks.dist.,  
mkd. T 20 S R 6 E S 31 B T.

A mesquite,3 ins.diam.,bears S.5<sup>1</sup>/<sub>2</sub>°W.,117 lks.dist.,  
mkd. B T.

A mesquite,5 ins.diam.,bears N.55°W.,35 lks.dist.,  
mkd. T 20 S R 5 E S 25 B T.

Chains.	Land, level. Soil, alluvial silt and loam; 1st rate. Timber, scattering mesquite; undergrowth catclaw.
	North, bet. secs. 25 and 30. Over level land, through scattering undergrowth.
12.20	Wash, 30 lks. wide, 2 ft. deep, course W.
28.40	Road, bears E. and W.
31.07	NE. cor. of adobe house, bears N. $85\frac{1}{4}^{\circ}$ W., about 5 chs. dist.
39.20	Road, bears NE. and SW.
39.60	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for witness $\frac{1}{4}$ sec. cor. with brass cap mkd.
	WC $\frac{1}{4}$ S25   S30 1932
	from which
	A mesquite, 4 ins. diam., bears N. $60\frac{1}{4}^{\circ}$ E., 28 lks. dist., mkd. W C $\frac{1}{4}$ S 30 B T.
	A mesquite, 4 ins. diam., bears N. $47^{\circ}$ W., 29 lks. dist., mkd. W C $\frac{1}{4}$ S 25 B T.
40.00	True point for $\frac{1}{4}$ sec. cor. falls in wash, 20 lks. wide, course NW.
44.00	Wire fence, bears E. and W.; enter field.
47.30	Drain, course NW.
65.20	Wire fence, bears E. and W.; leave field.
72.00	Road bears N. $70^{\circ}$ E., and S. $70^{\circ}$ W.; also reservoir bears E. about 10 chs. dist.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, with brass cap mkd.
	T20S R5E R6E S24   S19 S25   S30 1932
	from which
	A mesquite 4 ins. diam., bears S. $71\frac{1}{4}^{\circ}$ E., 294 lks. dist., mkd. T 20 S R 6 E S 30 B T.
	A mesquite, 8 ins. diam., bears N. $54^{\circ}$ W., 298 lks. dist., mkd. T 20 S R 5 E S 24 B T.
	William Harris house, bears N. $17^{\circ}50'$ E., 13.51 chs. dist.,

Chains.

Juan Harvey's house, bears N. 43° 53' W., 10.02 chs. dist.  
 Baboquivari Peak, bears N. 55° 45' E.

Land, level.  
 Soil, alluvial silt and loam; 1st rate.  
 Timber scattering mesquite; undergrowth scattering catclaw.

Subdivision of a Portion of T. 20 S., R. 5 E.

I commence the subdivisional survey at the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp., which is an iron post, 2 ins. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the field notes of the resurvey of the fourth standard parallel south through R. 5 E., executed under this group.

N. 0° 01' W., bet. secs. 35 and 36.

Over level land, through scattering undergrowth.

5.60 Drain, 10 lks. wide, course W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   
 S35 | S36  
 1932

from which

A mesquite, 7 ins. diam., bears S. 49 $\frac{3}{4}$ ° E., 177 lks. dist., mkd.  $\frac{1}{4}$  S 36 B T.

A mesquite 6 ins. diam., bears S. 61 $\frac{3}{4}$ ° W., 136 lks. dist., mkd.  $\frac{1}{4}$  S 35 B T.

47.50 Road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap mkd.

T20SR5E  
 S26 | S25  
 S35 | S36  
 1932

from which

A mesquite, 4 ins. diam., bears N. 39 $\frac{3}{4}$ ° E., 123 lks. dist., mkd. T 20 S R 5 E S 25 B T.

A mesquite, 4 ins. diam., bears S. 56 $\frac{1}{2}$ ° E., 175 lks. dist., mkd. T 20 S R 5 E S 36 B T.

A mesquite, 4 ins. diam., bears S. 56 $\frac{3}{4}$ ° W., 70 lks. dist., mkd. T 20 S R 5 E S 35 B T.

A mesquite, 10 ins. diam., bears N. 63 $\frac{1}{4}$ ° W., 127 lks. dist., mkd. T 20 S R 5 E S 26 B T.

Land, level.  
 Soil, alluvial silt and loam; 1st rate.  
 Timber, scattering mesquite; undergrowth catclaw.

Subdivision of a Portion of T.20 S., R.5 E.

Chains East, on a random line, bet. secs. 25 and 36.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect E. bdy. of Tp., 4 lks. S. of the cor. of secs. 25, 30, 31 and 36.  
Thence

S.  $89^{\circ}58'W.$ , on a true line, bet. secs. 25 and 36.  
Over level land, through scattering undergrowth.

25.32 Road, bears N.  $20^{\circ}E.$ , and S.  $20^{\circ}W.$

27.02 Road, bears NE. and SW.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 25  
 $\frac{1}{4}$  —————  
S 36  
1932

from which

A mesquite, 4 ins. diam., bears N.  $54\frac{3}{4}^{\circ}E.$ , 159 lks. dist., mkd.  $\frac{1}{4}$  S 25 B T.

A mesquite, 4 ins. diam., bears S.  $50\frac{3}{4}^{\circ}E.$ , 72 lks. dist., mkd.  $\frac{1}{4}$  S 36 B T.

70.40 Graded road, bears N.  $15^{\circ}08'W$  to Sells, Ariz., and S.  $15^{\circ}08'E$ , to San Miguel Arizona.

80.02 The cor. of secs. 25, 26, 35 and 36.  
Land, level.  
Soil, alluvial silt and loam; 1st rate.  
Timber, scattering mesquite; undergrowth catclaw.

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N.  $0^{\circ}01'W.$ , bet. secs. 25 and 26.  
Over level land, through scattering undergrowth.

35.40 Graded road, bears N.  $15^{\circ}08'W.$ , to Sells, Ariz., and S.  $15^{\circ}08'E$ , to San Miguel Arizona.

39.65 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for witness  $\frac{1}{4}$  sec. cor. with brass cap mkd.

WC  
 $\frac{1}{4}$  —————  
S 26 | S 25  
1932

from which

A mesquite, 5 ins. diam., bears S.  $30\frac{1}{8}^{\circ}E.$ , 158 lks. dist., mkd. W C  $\frac{1}{4}$  S 25. B T.

A mesquite, 5 ins. diam., bears N.  $71\frac{1}{2}^{\circ}W.$ , 29 lks. dist., mkd. W C  $\frac{1}{4}$  S 26 B T.

40.00 True point for  $\frac{1}{4}$  sec. cor. falls in wash, 20 lks. wide, 4 ft. deep course, NW.

Chains  
41.80

Wash, 30 lks. wide, course W.

70.40

Road, bears E. and W.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap mkd.

T20SR5E  
S23|S24  
S26|S25  
1932

from which

A mesquite, 8 ins. diam., bears N. 22° E., 122 lks. dist., mkd. T 20 S R 5 E S 24 B T.

A mesquite, 4 ins. diam., bears S. 53° E., 177 lks. dist., mkd. T 20 S R 5 E S 25 B T.

A mesquite, 5 ins. diam., bears S. 18<sup>3</sup>/<sub>4</sub>° W., 67 lks. dist., mkd. T 20 S R 5 E S 26 B T.

A mesquite, 4 ins. diam., bears N. 56° W., 176 lks. dist., mkd. T 20 S R 5 E S 23 B T.

Land, level.

Soil alluvial silt and loam; 1st rate.

Timber, scattering mesquite; undergrowth catclaw.

40.00

N. 89° 58' E., on a random line, bet. secs. 24 and 25.

Set temp. <sup>1</sup>/<sub>4</sub> sec. cor.

80.04

Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs. 19, 24, 25 and 30, hereinbefore described.

Thence

N. 89° 59' W., on a true line, bet. secs. 24 and 25.

Over level land, through scattering undergrowth.

6.90

Road, bears N. 10° E., and S. 10° W.

17.40

Road, bears NE. and SW.

27.60

Road, bears SE. and NW.

34.20

Road, bears N. and S. at end of lane, bears N.

34.36

Wire fence, bears N. and S.

40.02

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for <sup>1</sup>/<sub>4</sub> sec. cor. with brass cap mkd.

S 24  
<sup>1</sup>/<sub>4</sub> —  
S 25  
1932

from which

A mesquite, 10 ins. diam., bears S. 60<sup>1</sup>/<sub>4</sub>° W., 256 lks. dist., mkd. <sup>1</sup>/<sub>4</sub> S 25 B T.

Chains	A mesquite 10 ins.diam., bears N.51 <sup>3</sup> / <sub>4</sub> °W., 326 lks. dist. mkd. $\frac{1}{4}$ S 24 B T.  NE. cor. of house, bears S.24°W., about 6 chs. dist.
74.20	Wire fence, bears N. and S.
76.75	Road, bears N. and S.
80.04	The cor. of secs. 23, 24, 25 and 26.  Land, level. Soil, alluvial silt and loam; 1st rate. Timber, scattering mesquite; undergrowth catclaw.
	Thence from the standard cor. of secs. 34 and 35 on S. bdy. of Tp. which is an iron post, 2 ins. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the field notes of the resurvey of the fourth standard parallel south, through R. 5 E., executed under this group. N. 0° 01' W., bet. secs. 34 and 35.
	Over level land, through dense undergrowth.
4.37	Wire fence, bears E. and W.
5.17	Wire fence, bears E. and W.
8.28	Wire fence, bears SE. and NW.
16.47	Wash, 50 lks. wide, course NW.
20.00	Leave dense undergrowth, bears E. and W.; continue through scattering catclaw.
21.92	Road, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.  S34   S35 1932  from which A mesquite, 5 ins. diam., bears N. 71 <sup>1</sup> / <sub>2</sub> ° E., 43 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.  A mesquite, 12 ins. diam., bears S. 72 <sup>1</sup> / <sub>4</sub> ° W., 64 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.
50.92	Road, bears SE. and NW.
53.02	Enter dense mesquite, bears SE. and NW.
57.32	Wash, 50 lks. wide, course NW.
65.02	Leave dense mesquite, bears SE. and NW.
72.42	Wash, 15 lks. wide, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap mkd.



Chains

T20SR5E  
S27|S26  
S34|S35  
1932

from which

A mesquite, 6 ins. diam., bears N. 28 1/4° E., 24 lks. dist.,  
mkd. T 20 S R 5 E S 26 B T.

A mesquite, 5 ins. diam., bears S. 33 1/2° E., 122 lks. dist.,  
mkd. T 20 S R 5 E S 35 B T.

A mesquite, 10 ins. diam., bears S. 50 1/2° W., 63 lks. dist.,  
mkd. T 20 S R 5 E S 34 B T.

A mesquite, 5 ins. diam., bears N. 45 1/2° W., 53 lks. dist.,  
mkd. T 20 S R 5 E S 27 B T.

Land, level.

Soil, alluvial silt and loam; 1st rate.

Timber, mesquite; undergrowth mesquite and catclaw.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 25, 26,  
35 and 36.

Thence

S. 89° 59' W., on a true line, bet. secs. 26 and 35.

Over level land, through scattering undergrowth.

19.00 Road, bears NE. and SW.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
ground, for 1/4 sec. cor. with brass cap mkd.

S 26  
1/4  
S 35  
1932

from which

A mesquite, 8 ins. diam., bears N. 58 1/4° E., 85 lks. dist.,  
mkd. 1/4 S 26 B T.

A mesquite, 5 ins. diam., bears S. 72° E., 48 lks. dist.,  
mkd. 1/4 S 35 B T.

51.50 Wash, 15 lks. wide, course NW.

80.02 The cor. of secs. 26, 27, 34 and 35.

Land, level.

Soil, alluvial silt and loam; 1st rate.

Timber, mesquite; undergrowth, scattering catclaw.

Chains.	N.0°01'W., bet. secs. 26 and 27.
	Over level land, through dense undergrowth.
31.90	Wash, 25 lks. wide, 5 ft. deep, course N.30°W.
35.00	Leave dense mesquite, bears SE. and NW.; continue through scattering greasewood.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$
	S27   S26
	1932
	from which
	A mesquite, 4 ins. diam., bears N.71 $\frac{1}{2}$ °E., 80 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.
	A mesquite, 4 ins. diam., bears S.47°W., 42 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.
59.30	Road, bears E. and W.
69.90	Old road, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap mkd.
	T20SR5E
	S22   S23
	S27   S26
	1932
	from which
	A mesquite, 4 ins. diam., bears N.41 $\frac{1}{2}$ °E., 142 lks. dist., mkd. T 20 S R 5 E S 23 B T.
	A mesquite, 5 ins. diam., bears S.39 $\frac{1}{4}$ °E., 50 lks. dist., mkd. T 20 S R 5 E S 26 B T.
	A mesquite, 6 ins. diam., bears S.80°W., 62 lks. dist., mkd. T 20 S R 5 E S 27 B T.
	A mesquite, 6 ins. diam., bears N.32°W., 88 lks. dist., mkd. T 20 S R 5 E S 22 B T.
	Land, level.
	Soil, alluvial silt and loam; 1st rate.
	Timber, scattering mesquite; undergrowth greasewood and catclaw.
	N.89°59'E., on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the cor. of secs. 23, 24, 25 and 26
	Thence
	S.89°59'W., on a true line, bet. secs. 23 and 26.
	Over level land, through scattering undergrowth.

Chains. 11.90 Graded road, bears N.15°08'W., to Sells, Ariz., and S.15°08' E., to San Miguel Arizona.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 1/4 sec. cor. with brass cap mkd.

S 23  
1/4  
S 26  
1932

from which

A mesquite, 6 ins. diam., bears S.33 1/2°W., 109 lks. dist., mkd. 1/4 S 26 B T.

A mesquite, 5 ins. diam., bears N.12 3/4°W., 18 lks. dist., mkd. 1/4 S 23 B T.

80.00 The cor. of secs. 22, 23, 26 and 27.

Land, level.  
Soil, alluvial silt and loam; 1st rate.  
Timber, mesquite; undergrowth, catclaw.

Thence from the standard cor. of secs. 33 and 34, on S. bdy. of Tp., which is an iron post, 2 ins. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the field notes of the resurvey of the fourth standard parallel south through R.5 E. executed under this group.

N.0°02'W., bet. secs. 33. and 34.

Over level land, through scattering undergrowth.

14.05 Road, bears N.70°W., and S.70°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 1/4 sec. cor. with brass cap mkd.

S33 | S34  
1932

from which

A mesquite, 11 ins. diam., bears S.86 1/4°W., 48 lks. dist., mkd. 1/4 S 33 B T.

A mesquite, 6 ins. diam., bears N.75 1/2°W., 120 lks. dist., mkd. 1/4 S 33 B T.

51.20 A wooden cross on grave in small enclosure, bears N.89° 05'E., 8.55 chs. dist.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap mkd.

T20SR5E  
S28 | S27  
S33 | S34  
1932

from which

A mesquite, 7 ins. diam., bears N.60 3/4°E., 131 lks. dist.

Chains. mkd.T 20 S R 5 E S 27 B T.

A mesquite, 5 ins.diam., bears S.50°E., 230 lks.dist.,  
mkd.T 20 S R 5 E S 34 B T.

A mesquite, 6 ins.diam., bears S.10¼°W., 127 lks.dist.,  
mkd.T 20 S R 5 E S 33 B T.

A mesquite, 5 ins.diam., bears N.67¼°W., 65 lks.dist.,  
mkd.T 20 S R 5 E S 28 B T.

Land, level.  
Soil, alluvial silt and loam; 1st rate.  
Timber, mesquite; undergrowth catclaw.

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East, on a random bet.secs.27 and 34.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line, 2 lks.S.of the cor.of secs.26, 27,  
34 and 35.

Thence

S.89°59'W., on a true line, bet.secs.27 and 34.

Over level land, through scattering undergrowth.

11.35 Wash, 80 lks.wide, course N.

17.52 Cor.of **fence** bears N.about 3 chs.dist.

20.02 Wash, 10 lks.wide, course N.

29.33 Old well, 8 ins.casing at end of concrete foundation,  
bears N.9°E., 15.91 chs.dist.

SW.cor.of adobe house, at Ventana Ranch, bears N.17°W., 11.  
38.chs.dist.

SE.cor.of adobe house, bears N.36°W., 7.40 chs.dist.

Enter dense undergrowth, bears SE.and NW.

30.82 Road, bears N.and S.

40.01 Set an iron post, 3 ft.long, 1 in.diam., 28 ins.in the  
ground, for ¼ sec.cor.with brass cap mkd.

S 27  
¼ —  
S 34  
1932

from which

A mesquite, 14 ins.diam., bears S.16°W., 58 lks.dist.,  
mkd.¼ S 34 B T.

A mesquite, 22 ins.diam., bears N.63¾°W., 88 lks.dist.,  
mkd.¼ S 27 B T.

40.25 Brush, fence, bears N.70°E., and S.70°W.

45.00 Leave dense undergrowth, bears SE.and NW.

51.95 Wire fence, bears N.and S.

55.82 Ditch, 2 ft.wide, 1 ft.deep, bears N.39°E., and S.39°W.

Chains  
55.92

Wire fence, bears S. 39° E., and N. 39° W.

57.95

Road, bears SE. and NW.

63.45

Road, bears SE. and NW.

80.02

The cor. of secs. 27, 28, 33 and 34.

Land, level.

Soil, alluvial silt and loam; 1st rate.

Timber, mesquite; undergrowth, catclaw and greasewood.

N. 0° 02' W., bet. secs. 27 and 28.

Over level land, through scattering mesquite.

22.70

Road, bears SE. and NW.

25.10

Road, bears SE. and NW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$

S28 | S27

1932

from which

A mesquite, 10 ins. diam., bears N. 81° E., 49 lks. dist., mkd.  $\frac{1}{4}$  S 27 B T.

A mesquite, 8 ins. diam., bears S. 19 $\frac{1}{4}$ ° W., 57 lks. dist., mkd.  $\frac{1}{4}$  S 28 B T.

44.85

Old road, bears SE. and NW.

48.80

Wash, 10 lks. wide, course NW.

54.70

Wash, 20 lks. wide, course NE.; continue along W. bank of wash.

62.70

Same wash, 15 lks. wide, course NW.

70.00

Wash, 15 lks. wide, course NW.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap mkd.

T20SR5E

S21 | S22

S28 | S27

1932

from which

A mesquite, 8 ins. diam., bears N. 31° E., 137 lks. dist., mkd. T 20 S R 5 E S 22 B T.

A mesquite, 8 ins. diam., bears S. 18 $\frac{3}{4}$ ° E., 147 lks. dist., mkd. T 20 S R 5 E S 27 B T.

A mesquite, 12 ins. diam., bears S. 31 $\frac{1}{4}$ ° W., 56 lks. dist., mkd. T 20 S R 5 E S 28 B T.

Chains. A mesquite, 10 ins. diam., bears N. 60° W., 137 lks. dist.,  
mkd. T20 S R 5 E S 21 B T.

Land, level.

Soil, alluvial silt and loam; 1st rate.

Timber, scattering mesquite; undergrowth catclaw.

N. 89° 59' E., on a random line, bet. secs. 22 and 27.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect the cor. of secs. 22, 23, 26 and 27.

Thence

S. 89° 59' W., on a true line, bet. secs. 22 and 27.

Over level land, through scattering undergrowth.

2.70 Road, bears N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 22  
 $\frac{1}{4}$  ———  
S 27  
1932

from which

A mesquite, 6 ins. diam., bears N. 15 $\frac{1}{2}$ ° E., 86 lks. dist.,  
mkd.  $\frac{1}{4}$  S 22 B T.

A mesquite, 6 ins. diam., bears S. 54 $\frac{1}{2}$ ° W., 112 lks. dist.,  
mkd.  $\frac{1}{4}$  S 27 B T.

Enter dense mesquite, bears SE. and NW.

55.00 Wash, 20 lks. wide, course NW.

58.20 Wash, 25 lks. wide, course NW.

60.00 Leave dense mesquite, bears SE. and NW.

79.10 Road, bears SE. and NW.

80.00 The cor. of secs. 21, 22, 27 and 28.

Land, level.

Soil, sandy and silt; 1st. rates.

Timber, mesquite; undergrowth greasewood, catclaw and mes-  
quite.

Thence from the true point for standard cor. of secs. 32  
and 33 on S. bdy. of Tp., the W. c., an iron post, 2 ins.  
diam., 8 ins. above ground, firmly set, marked and witnessed  
as described in the field notes of the resurvey of the  
fourth standard parallel south through R. 5 E., executed  
under this group, bearing East 30 lks. dist.,

N. 0° 02' W., bet. secs. 32 and 33.

Over level land, through scattering undergrowth.

Chains.  
40.00

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   
S32 | S33  
1932

from which

A mesquite, 6 ins. diam., bears S.  $33\frac{1}{2}^{\circ}$  E., 68 lks. dist., mkd.  $\frac{1}{4}$  S 33 B T.

A mesquite, 10 ins. diam., bears S.  $53\frac{1}{2}^{\circ}$  W., 53 lks. dist., mkd.  $\frac{1}{4}$  S 32 B T.

47.60 Road, bears E. and W.

50.60 Road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap mkd.

T20SR5E  
S29 | S28  
S32 | S33  
1932

from which

A mesquite, 8 ins. diam., bears N.  $47\frac{1}{4}^{\circ}$  E., 65 lks. dist., mkd. T 20 S R 5 E S 28 B T.

A mesquite, 8 ins. diam., bears S.  $50\frac{1}{2}^{\circ}$  E., 154 lks. dist., mkd. T 20 S R 5 E S 33 B T.

A mesquite, 8 ins. diam., bears S.  $73^{\circ}$  W., 154 lks. dist., mkd. T 20 S R 5 E S 32 B T.

A mesquite, 10 ins. diam., bears N.  $19\frac{3}{4}^{\circ}$  W., 129 lks. dist., mkd. T 20 S R 5 E S 29 B T.

Land, level

Soil, sandy and silt; 1st rate.

Timber, mesquite; undergrowth scattering catclaw, mesquite and greasewood.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect the cor. of secs. 27, 28, 33 and 34.

Thence

West, on a true line, bet. secs. 28 and 33.

Over level land, through scattering undergrowth.

39.97 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 28  
 $\frac{1}{4}$  ———  
S 33  
1932

Subdivision of a Portion of T.20 S., R.5 E.

Chains. from which

A mesquite, 4 ins. diam., bears S. 6° E., 41 lks. dist., mkd.  $\frac{1}{4}$  S 33 B T.

A mesquite, 6 ins. diam., bears N. 42<sup>3</sup>/<sub>4</sub>° W., 69 lks. dist., mkd.  $\frac{1}{4}$  S 28 B T.

40.85 Road, bears NE. and SW.

54.95 Wash, 10 lks. wide, course NE.

65.15 Wash, 10 lks. wide, course N.

79.35 Wash, 10 lks. wide, course N.

79.95 The cor. of secs. 28, 29, 32 and 33.

Land, level.  
Soil, sandy and silt; 1st rate.  
Timber, scattering mesquite; undergrowth, catclaw.

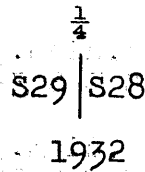
N. 0° 02' W., bet. secs. 28 and 29.

Over level land, through scattering undergrowth.

1.80 Wash, 10 lks. wide, course NE.

26.00 Wash, 15 lks. wide, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

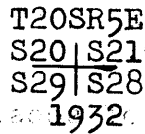


from which

A mesquite, 6 ins. diam., bears N. 81<sup>1</sup>/<sub>4</sub>° E., 61 lks. dist., mkd.  $\frac{1}{4}$  S 28 B T.

A mesquite, 6 ins. diam., bears N. 46<sup>1</sup>/<sub>4</sub>° W., 37 lks. dist., mkd.  $\frac{1}{4}$  S 29 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap mkd.



from which

A mesquite, 12 ins. diam., bears N. 82<sup>1</sup>/<sub>4</sub>° E., 65 lks. dist., mkd. T 20 S R 5 E S 21 B T.

A mesquite, 11 ins. diam., bears S. 84<sup>1</sup>/<sub>2</sub>° E., 105 lks. dist., mkd. T 20 S R 5 E S 28 B T.

A mesquite, 6 ins. diam., bears S. 58<sup>3</sup>/<sub>4</sub>° W., 119 lks. dist., mkd. T 20 S R 5 E S 29 B T.

A mesquite, 6 ins. diam., bears N. 54<sup>1</sup>/<sub>2</sub>° W., 278 lks. dist., mkd. T 20 S R 5 E S 20 B T.



Chains

Baboquivari Peak, bears N.63°40'E.

Small peak on E. side of knoll, bears S.1°47'E., about 8 miles dist.

High peak, bears S.21°40'W., about 6 miles dist.

Land, level.

Soil, sandy and silt; 1st rate.

Timber, mesquite; undergrowth scattering catclaw and mesquite.

East, on a random line, bet. secs. 21 and 28.

40.00 Set temp. 1/4 sec. cor.

79.90 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence

S. 89° 57' W., on a true line, bet. secs. 21 and 28.

Over level land, through scattering undergrowth.

4.20 Wash, 25 lks. wide, course N.

16.90 Road, bears N. and S.

34.25 Road, bears SE. and NW.

39.95 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 1/4 sec. cor. with brass cap mkd.

S 21
1/4
S 28
1932

from which

A mesquite 10 ins. diam., bears S. 75 1/2° E., 196 lks. dist., mkd. 1/4 S 28 B T.

A mesquite, 4 ins. diam., bears N. 65 1/4° W., 186 lks. dist., mkd. 1/4 S 21 B T.

An adobe house, bears S. 14 1/2° E., about 1/2 mile dist.

52.60 Wash, 10 lks. wide, course NW.

60.50 Wash, 20 lks. wide, course N.

74.75 Wash, 20 lks. wide, course N.

79.90 The cor. of secs. 20, 21, 28 and 29.

Land, level.

Soil, sand and silt; 1st rate.

Timber, scattering mesquite; undergrowth, greasewood, catclaw and mesquite.

Chains.

FINAL TEST OF SOLAR ATTACHMENT.

Jan.27: In camp near the  $\frac{1}{4}$  sec.cor.of secs.35 and 36, at 8h 30m a.m., app.t., I set off  $31^{\circ}38'38''$ N., on the lat. arc;  $18^{\circ}36'49''$ S., on the decl.arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation Jan.16, 1932.

At 4h 30m p.m., app.t., I set off  $31^{\circ}38'38''$ N., on the lat. arc;  $18^{\circ}30'45''$ S., on the decl.arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

Jan.27, 1932.

GENERAL DESCRIPTION.

The land embraced within the SE.cor.of T.20 S., R.5 E., lies entirely in the Baboquivari Valley and Papago Indian Reservation. The soil is sandy, silt and loam; 1st rate. Portions of the township are covered with dense mesquite and catclaw along the washes. A good graded road traverses through secs.25, 26, and 36, from San Miguel to Sells, Arizona.

Chulik, an Indian Village is located in the SE.cor.of sec. 24 of this township.

The old Ventana Ranch, is located in sec.27. The land is used for agricultural purposes by the Papago Indians.



CERTIFICATE OF UNITED STATES SURVEYOR

I, William E. Hiester, 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 1st day of December, 1931, 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, surveyed all those parts or portions of the East boundary and subdivisional lines of Township 20 South, Range 5 East,

of the Gila and Salt River Base and 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 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.

William E. Hiester

San Francisco, California. U. S. Surveyor. June 1, 1932.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, May 1, 1933.

The foregoing field notes of the survey of a portion of the East boundary and a portion of the subdivisional lines of Township 20 South, Range 5 East, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by William E. Hiester, U.S. Surveyor, under his special instructions dated December 1, 1931, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Blanche A. Johnson

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.