

4-679

Book "A"

BOOK 3975

FIELD NOTES

of the independent resurvey of the

FIRST STANDARD PARALLEL NORTH

along the south boundary of T.5 N., R.9 W.

and the survey of the

WEST BOUNDARY OF T.5 N., R.9 W.

3975

3975

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA.

EXECUTED BY

Dupree R. Averill.

In the capacity of U. S. Surveyor, under Special Instructions dated October 6, 1931, issued by the District Cadastral Engineer to govern surveys included in Group No. 171, which were approved by the Commissioner of the General Land Office, Dec. 1, 1931, and Assignment Instructions dated Nov. 18, 1931.

Survey commenced December 3, 1931.

Survey completed December 7, 1931.

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INDEX DIAGRAM.

Township 5 North, Range 9 West.

12	6	5	4	3	2	1
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10	19	20	21	22	23	24
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15
B

Independent resurvey of the
First standard parallel north, along the south boundary of
T.5 N., R.9 W.

BOOK 3975

chains

The survey was executed with a light mountain transit made by Buff & 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 4 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $2\frac{1}{2}$ 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, and tested and found free from appreciable error, was approved by the district cadastral engineer on Nov., 28, 1931. I examine all the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all lines were determined by the solar transit method, supplemented by direct observations upon the sun for azimuth. 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 tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval was 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 for the NE. cor. of T.5 N. R.9 W. as follows: latitude $33^{\circ}48'37''N.$, and longitude $113^{\circ}08'30''W.$

November 29, 1931, at camp near the center of the NW. $\frac{1}{4}$ of sec., 2, T.5 N., R.9 W., at 5h. 39m. 25s. p.m. by my watch which reads standard 105th. meridian time, I make an observation on Polaris, three sights each with the telescope in direct and reversed positions, reading the vertical angles, and the horizontal deflection angles to a sharply defined point upon the crest of the Harquahala Mtns. to the west about ten miles distant.

Mean horizontal angle, Polaris to mark	89° 40' 15"
Mean observed vertical angle	34° 21' 00"
Azimuth of Polaris	1° 06' 30"
True bearing to mark	N. 88° 33' 45" W.
Reduced latitude	33° 48' 14" N.

Nov., 30, 1931. I make two observations upon the sun as a verification of the time, latitude and azimuth:

1. A noon observation of the sun, first setting on the suns lower limb and noting the transit of the west limb, then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb.

Mean observed altitude	34° 34' 37"
Mean watch time of observation	12h. 20m. 54s.
Reduced latitude	33° 48' 24" N.
Reduced watch; slow of standard time	0m. 16s.

2. An altitude observation of the sun, first setting upon the suns lower and right limbs, then, after reversal of the instrument, setting upon the upper and left limbs; the horizontal angles being measured from the reference point determined by Polaris observation.

Mean watch time of observation, p.m.	3h. 33m.
Mean vertical angle	21° 11' 00"
Mean horizontal angle	48° 40' 45"
Reduced bearing to reference point	N. 88° 33' 35" W.

Independent resurvey of the

First standard parallel north, along the south boundary of T.5 N., R.9 W.

chains

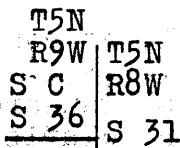
Every 30 min. from 8 a.m. to 11 a.m. and from 1 p.m. to 4 p.m. I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1.30".

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

The first standard parallel north thru R.9 W., was originally surveyed by Fred Hesse, U.S. Deputy Surveyor, in 1908. Having been found defective thru R.8 W., a new line is run from the standard cor., of sec. 36, T.5 N., R.9 W., on the W. bdy. of sec. 31, T.5 N., R.8 W., destroying the intervening cors. of the Hesse survey.

The standard cor. of sec. 36, T.5 N., R.9 W. is an igneous stone, 8 x 8 x 10 ins., above ground, firmly set, marked and witnessed as described in the official record. In place of the stone, which is buried alongside.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the standard cor. of sec. 36, T.5 N., R.9 W. with brass cap marked



1931

raise a mound of stone 3 ft. base, 1 1/2 ft. high, W. of cor.

From this point the standard cor. of sec. 31, T.5 N., R.8 W. which is an iron post, 3 ins. diam. extending 14 ins. above ground, properly marked and referenced, bears South, 3.14 chs. dist.,

West, on true line, on the S. bdy. of sec. 36.

Over broken hills, thru scattered mesquite and paloverde.

Desc., W. slope 40 ft.

4:30 Enter wash, course NW.

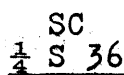
7:20 Leave wash. asc. NE. slope 170 ft.

15:60 Spur, slopes N. 20° W. desc. W. slope 200 ft.

27:20 Gully, course N. 30° W. over gentle slope.

29:90 Wash, 50 lks. wide, course S. 70° W.

40:00 Set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the ground, for standard 1/4 sec. cor. with brass cap mkd.



1931

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

First standard parallel north, along the south boundary of
T.5 N., R.9 W.

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chains

witness

The original standard $\frac{1}{4}$ sec. cor., which is a granite stone, 15 x 10 x 5 ins. above ground, firmly set, marked WC on the S. and SC $\frac{1}{4}$ on the N. faces, bears S.79°E. 87 lks. dist., Destroy this cor.

- 40.35 Wash, 8 lks. wide, course S:70°W.
- 41.60 Wash, 60 lks. wide, course N.60°W. Over rolling land.
- 55.80 Wash, 40 lks. wide, course N.40°W.. asc. NE.slope 45 ft.
- 58.60 Small spur, extends NW., desc. W. slope 55 ft.
- 70.20 Wash (same) 60 lks. wide; course SW., asc. SE.slope 30 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to bedrock, with ~~corner~~ stone of original survey deposited along side, and in a mound of stone to top, for standard cor. of secs. 35 and 36, with brass cap mkd.

SC
T5N R9W
S 35 | S 36

1931

The original standard cor., which is an igneous stone, 12 x 10 x 8 ins. above ground, firmly set, mkd. SC on the N., 1 notch on the E. and 5 notches on the W. faces, bears S.64°W. 79 lks. dist. Destroy this cor.

Land, broken hills and rolling.
Soil, rocky, 3rd. rate.
Timber, paloverde; undergrowth, greasewood and cacti.

-
- West on true line on the S. bdy. of sec. 35
 - Over broken land, through paloverde and greasewood.
 - 7.00 Low spur, extends S.20°W., desc. W. slope 50 ft.
 - 9.20 Wash, 1 ch. wide, course S.30°W., asc. E. slope 40 ft.
 - 17.40 Low ridge, bears N.20°E. and S.20°W., desc. W. slope 35 ft.
 - 19.60 Gully, course S.20°W., over gentle S. slope.
 - 40.00 Set an iron post, 3 ft. long, 1 in. diam. 16 ins. in the ground, to bedrock, with ~~corner~~ stone of original survey deposited alongside, and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor. with brass cap mkd.

SC
 $\frac{1}{4}$ S 35

1931

The original standard $\frac{1}{4}$ sec. cor., which is a granite stone, 16 x 10 x 8 ins. above ground, firmly set, mkd. SC $\frac{1}{4}$ on the N. face, bears S.8°E. 55 lks. dist. Destroy this cor.

Independent resurvey of the
First standard parallel north, along the south boundary of
T.5 N., R.9 W.

chains	
	Asc. SE. slope 25 ft.
43.70	Low spur, extends S.45°W., desc. gradual SW.slope.
60.60	Wash, 15 lks. wide, course S.30°W.
62.10	Wash (same), course N.80°W.
64.80	Wash,(same), course N.70°W, from NE.
66.60	Wash,(same) course SW.
69.00	Wash,(same) course N.60°W.
76.30	Enter wash, 40 lks. wide, 20 ft.deep, course S.80°W.
79.00	Along N. edge of wash.
80.00	Set an iron post,3 ft.long, 2 ins. diam..20 ins. in the ground, to bedrock, and in a mound of stone to top, for the standard cor. of secs. 34 and 35, with brass cap mkd
	SC T5N R9W <u>S 34 S 35</u>
	1931
	raise a mound
	of stone, 2 ft.base,1½ ft.high. N. of cor.
	The witness sec. cor. of the original survey, which is a quartz stone,12 x 10 x 8 ins. above ground, firmly set, marked WC SC on the N, 2 notches on the E. and 4 notches on the W. faces, bears S.56°W. 1.38 chs. dist. Destroy this cor.
	Land;broken. Soil, rocky, 3rd. and 2nd. rate. Timber, paloverde and mesquite; undergrowth, greasewood and cacti.

	West.on true line, on the S..bdy. of sec. 34.
	Over broken land, thru paloverde and greasewood.
	Along wash, 50 lks. wide, course W.
7.20	Leave wash, course NW.
9.50	Wash,(same) course S.20°W., asc. SE.slope 65 ft.
11.10	Gully, course S.20°E.
17.80	Gully, course S.
21.70	Spur, slopes S., desc. W. slope 45 ft.
24.60	Small draw, course S.,asc. E. slope 60 ft.
32.10	Wash, 30 lks.wide, course S.30°E.
34.60	Wash,(same) course NE. from NW.
40.00	Set an iron post,3 ft.long, 1 in. diam., 12 ins. in the ground, to bedrock, with corner stone of original survey deposited alongside, and in a mound of stone to top, for standard ¼ sec.cor.,with brass cap mkd.

Independent resurvey of the
First standard parallel north, along the south boundary of
T.5 N., R.9 W.

chains

SC
1/4 S 34

1931

The original standard 1/4 sec. cor., which is an igneous stone 12 x 8 x 6 ins. above ground, firmly set, marked SC 1/4 on the N. face, bears S. 36 1/2° E. 1.26 chs. dist. Destroy this cor.

Asc. E. slope 165 ft.

- 46.60 Top of andesite ledge, 30 ft. high, facing NE.
- 47.50 North slope of conical butte, near top., desc. W. slope 120 ft.
- 54.10 Head of draw, course S., asc. SE. slope 210 ft.
- 57.70 Stub road, unused, from NE. extends SW. about 5 chs. dist.
- 63.90 Gully, course SE.
- 74.50 Small spur, slopes S. 10° E. desc., 30 ft.
- 77.10 Head of gully, course SE., asc. 20 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to rock, with corner stone of original survey deposited alongside, and in a mound of stone to top. for the standard cor. of secs. 33 and 34, with brass cap mkd.

SC
T5N R9W
S 33 | S 34

1931

The original standard cor. which is an igneous stone, 16 x 10 x 8 ins. supported in a mound of stone, marked SC on the north, and three notches on the E. and W. faces, bears S. 2° W. 99 lks. dist. Destroy this cor.

Land, broken and hilly.
Soil, rocky, 3rd. rate.
Timber, paloverde; undergrowth, greasewood and cacti.

West on true line on the S. bdy. of sec. 33.

Over mountainous land, thru scattering paloverde and greasewood.

Asc. SE. slope 195 ft.

- 6.60 S. side of conical peak, near top, on ridge, bearing N. and SW. Desc., SW. slope 420 ft.
- 9.00 Change of slope to NW., continue descent.
- 26.90 Small draw, course N. 10° W., asc NE. slope 200 ft.
- 28.70 Gully, course NE.
- 39.00 Along N. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the

Independent resurvey of the

First standard parallel north, along the south boundary of
T.5. N., R.9. W.

chains

ground, for standard $\frac{1}{4}$ sec. cor. with brass cap mkd.

SC

 $\frac{1}{4}$ S 33

1931

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

The standard $\frac{1}{4}$ sec. cor. of the original survey, which is an igneous stone, 16 x 10 x 8 ins., supported in a mound of stone, marked SC $\frac{1}{4}$ on the N. face, bears S. $62\frac{1}{2}^{\circ}$ E. 1.95 chs. dist. Destroy this cor.

Desc., NW. slope 120 ft.

46.00 Small draw, course N., asc NE. slope 30 ft.

49.00 Spur, slopes N. 75° W., desc. SW. slope 205 ft.

63.50 Small draw, course N. 30° W., asc. NE. slope 35 ft.

69.10 Short spur, slopes N., desc. NW. slope 65 ft.

75.20 Change of slope to SW.

77.90 Drain, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam. 16 ins. in the ground, to bedrock, with corner stone of original survey alongside, and in a mound of stone, to top, for the standard cor. of secs. 32 and 33, with brass cap mkd.

SC

T5N R9W

S 32 | S 33

1931

The original standard cor., which is an igneous stone. 10 x 9 x 6 ins. above ground, firmly set, marked SC on the N., 2 notches on the W. and 4 notches on the E. faces, bears S. 69° E. 2.64 chs. dist. Destroy this cor.

Land, mountainous and broken.

Soil, rocky, 3rd. rate.

Timber, paloverde; undergrowth; greasewood and cacti.

West on true line on the S. bdy. of sec. 32.

Over rolling land, through paloverde and greasewood.

Desc., gradual SW. slope 50 ft.

19.70 Low divide, bears N. 70° E. and S. 70° W., along N. slope.

38.00 Change of slope to NW., desc. 25 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam. 20 ins. in the ground, to bedrock, with corner stone of original survey deposited alongside, and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

SC

 $\frac{1}{4}$ S 32

1931

Independent resurvey of the

First standard parallel north, along the south boundary of
T.5 N., R.9 W.

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chains

The original standard $\frac{1}{4}$ sec. cor., which is an igneous stone, 10 x 10 x 8 ins. above ground, firmly set, mkd. $\frac{1}{4}$ SC on the N. face, bears S. 69°E. 2.63 chs. dist. Destroy this cor.

Desc. NW. slope 85 ft.

46.80 Head of small draw, course SW., asc. SE. slope 85 ft.

53.20 Top of low hill., desc. W. slope 90 ft.

71.70 Small draw, course S.60°W., over nearly level land, sloping W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam. 28 ins. in the ground, for the standard cor. of secs. 31 and 32, with brass cap mkd.

SC
T5N R9W
S 31 | S 32

1931

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

The original standard cor., which is a granite stone, 10 x 8 x 8 ins., above ground, firmly set, marked SC on the N., 1 notch on the W. and 5 notches on the E. faces, bears S. 69 $\frac{1}{4}$ °E. 2.66 chs. dist. Destroy this cor.

Land, rolling and broken.

Soil, rocky, 2nd. rate.

Timber, paloverde and mesquite; undergrowth, greasewood and cacti.

West. on true line. on the S. bdy. of sec. 31.

Over nearly level land, draining W.

5.60 Wash, 10 lks. wide, course S.60°W.

16.60 Same wash, 20 lks. wide, course N.70°W.

24.50 Same wash, course SW.

27.20 Same wash, course N.60°W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to bedrock, with ~~corner~~ stone of original survey deposited alongside, and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.

SC
 $\frac{1}{4}$ S 31

1931

The standard $\frac{1}{4}$ sec. cor. of the original survey, which is a quartz stone, 8 x 8 x 6 ins. above ground, firmly set, marked SC $\frac{1}{4}$ on the N. face, bears S. 62 $\frac{1}{2}$ °E. 2.00 chs. dist. Destroy this cor.

54.90 Wash, 8 lks. wide, course N.50°W.

63.90 Wash, 60 lks. wide, course S.70°W.

71.80 Same wash, course N.30°W.

First standard parallel north, along the south boundary of
T.5 N., R.9 W.

chains

79.75 Drain, course N.75°W.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for standard cor. of Ts. 5 N., Rs. 9 and 10 W., with brass cap mkd.

SC
T5N
R10W | R9W
S 36 | S 31

1931

raise a mound

of stone, 3 ft. base; 2 ft. high, N. of cor.

The original standard Tp. cor. which is a granite stone, 10 x 8 x 6 ins. above ground, firmly set, mkd. SC 5N and 6 notches on the N., and 6 notches on the E. and W. faces, bears S.63°E. 2.01 chs. dist. Not destroyed.

Land, level.

Soil, rocky, 2nd. rate.

Timber, paloverde and ironwood; undergrowth, greasewood and cacti.

WEST BOUNDARY OF T.5 N., R.9 W.

From the standard cor. of Ts. 5 N., Rs. 9 and 10 W.

North, bet. secs. 31 and 36.

Over rolling land, through scattered paloverde and ironwood.

0.10 Drain, course N.70°W.

2.00 Wash, 50 lks. wide, 20 ft. deep, course S.60°W.

10.20 Gulch, course SW.

25.70 Wash, 25 lks. wide, course S.50°W.

36.80 Wash, 50 lks. wide, 10 ft. deep, course SW.

38.60 Gully, course S.70°W., asc. S. slope 15 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, with a marked (X) stone deposited alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 36 | S 31

1931

Asc. SE. slope 40 ft.

48.70 Low ridge, bears E. and S.60°W., desc. N. slope 50 ft.

52.80 Small draw, course S.70°W., asc. SW. slope 160 ft.

67.40 Gully, course SW.

74.20 Spur, slopes S.10°E., along E. slope.

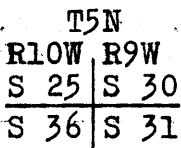
WEST BOUNDARY OF T.5 N., R.9 W.

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chains

78.00 Drain, course E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, to bedrock, with marked (X) stone deposited alongside, and in a mound of stone to top, for the cor. of secs. 25, 30, 31 and 36, with brass cap mkd.



1931

Land. broken and rolling, and hilly.
Soil, rocky, 2nd and 3rd. rate.
Timber, paloverde and ironwood; undergrowth, greasewood and cacti.

North bet. secs. 25 and 30.

Over rolling hills, through scattered paloverde.

Asc. SE. slope 95 ft.

5.30 E. side of small basalt butte. near top.; desc. NE. slope 120 ft.

14.10 Head of draw, course E.; asc. S. slope 80 ft. across low divide.

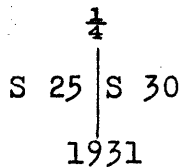
25.00 Spur, slopes S.20°W.; along W. slope.

31.90 Gully, course S.30°W.; asc. SW. slope 80 ft.

35.90 Gulch, course SW.

39.60 Spur, slopes S.75°W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, with marked (X) stone deposited alongside, supported in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.



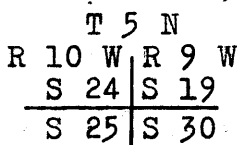
Desc., NW. slope 160 ft.

63.10 Wash, 30 lks. wide, course S.80°W.; asc. 40 ft.

67.90 Low spur, extends W.; desc. gradual N. slope 70 ft.

76.00 Wash, 50 lks. wide, course W. ; over gentle N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 19, 24, 25 and 30, with brass cap mkd.



1931

W

WEST BOUNDARY OF T.5 N., R.9 W.

chains

raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.

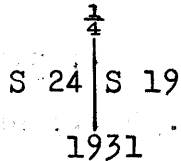
Stamp mill at Tiger Mines bears N. 51½° E. 37 chs. dist.
Well and windmill bears N. 32° 45' E. 55.40 chs. dist.

Land, rolling and broken hills.
Soil, rocky, 3rd. and 2nd. rate.
Timber, paloverde; undergrowth, greasewood and cacti.

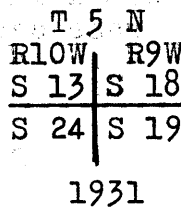
North bet. secs. 19 and 24.

Over rolling land, through scattered undergrowth.

- 5.30 Wash, 10 lks. wide, course W.
- 13.80 Enter sandy wash, course SW.
- 22.50 Channel of wash, 2 chs. wide, course SW.
- 27.10 Leave wash,; ascend very gradually.
- 28.30 Old road. bears NE. to Aguila and SW. to Centennial Valley.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bedrock, with marked (X) stone deposited alongside, and in a mound of stone to top, for ¼ sec. cor., with brass cap mkd.



- 63.00 Wash, 20 lks. wide, course S. 10° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam. 28 ins. in the ground, for the cor. of secs. 13, 18, 19 and 24. with brass cap mkd.



raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, gently rolling.
Soil, gravelly and rocky, 2nd. rate.
Timber, scattered paloverde and mesquite; undergrowth greasewood and cacti.

North bet. secs. 13 and 18.

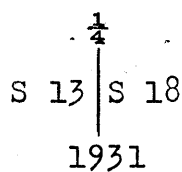
Over gentle SE. slope, through paloverde and greasewood.

- 18.10 Wash, 20 lks. wide, course S. 20° E.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ¼ sec. cor. with brass cap mkd.

WEST BOUNDARY OF T.5 N., R.9 W.

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chains

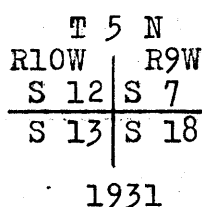


raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

66.10 Small draw, course S.40°E.

72.30 Low spur, slopes SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 7, 12, 13 and 18, with brass cap mkd.



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

Land, gently rolling.
Soil, gravelly and rocky, 2nd. rate.
Timber, scattered paloverde and mesquite; undergrowth, greasewood and cacti.

North bet. secs. 7 and 12.

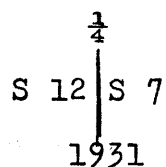
Over rolling land, thru scattered undergrowth.; asc. gradually.

3.90 Wash, 20 lks. wide, course S.40°E.

21.60 Low spur, slopes SE.

30.90 Small draw, course S.40°E.; asc. S. slope 50 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap mkd.



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

40.40 Small spur, slopes SE.; desc. 30 ft.

44.90 Drain, course E.

47.40 Small draw, course S.70°E.

56.10 Draw, course S.60°E.; asc. 95 ft. over SE. slope.

68.30 Spur, slopes SE.; desc. 20 ft.

68.70 Rogers Spring, -windmill and well- bears S.25°50'E. about 175.00 chs. dist.

75.80 Draw, course SE.; asc. 50 ft. over S. slope.

WEST BOUNDARY OF T.5 N., R.9 W.

chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

T 5 N	
R10W	R9W
S 1	S 6
S 12	S 7

1931

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

Land, rolling
Soil, rocky, 2nd. and 3rd. rate.
Timber, paloverde and mesquite; undergrowth, greasewood and cacti.

North bet. secs. 1 and 6.

Over rolling land, through scattered paloverde and undergrowth.

- 0.80 Spur, slopes S. 60° E.; desc. 35 ft.
- 5.60 Small draw, course SE.; asc. gradual SE. slope.
- 14.50 Wash, 40 lks. wide, course S. 50° E.
- 27.30 Old road, bears NW. and SE.
- 32.40 Enter wash, course S. 60° E.
- 35.90 Leave wash.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bedrock, with marked (X) stone deposited alongside, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

1/4	
S 1	S 6

1931

- 65.80 Drain, course SE.; asc 50 ft. over S. slope.
- 70.70 Low spur, slopes SE. Desc. 40 ft.
- 76.60 Small draw, course S. 60° E.; asc. 55 ft. over S. slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the cor. of Ts. 5 and 6 N., Rs. 9 and 10 W., with brass cap mkd.

T 6 N	
R10W	R9W
S 36	S 31
S 1	S 6

T 5 N

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

WEST BOUNDARY OF T.6 N.,R.9 W.

BOOK 8975

Land, rolling.
 Soil, rocky, 2nd. and 3rd. rate.
 Timber, scattered paloverde and mesquite; undergrowth.
 greasewood, cacti and catclaw.

FINAL TEST OF SOLAR ATTACHMENT

See final test of transit in field notes of T.6 N.,
 R.9 W., surveyed under this group.

GENERAL DESCRIPTION

The first standard parallel north, through R.9 W. lies across a low projection of the Big Horn Mountains. the topography varying from rolling and broken hills to a nearly level mesa. The soil is of a rocky igneous formation, carrying some evidence of mineral. There is a scattered growth of paloverde, mesquite and ironwood timber, and of greasewood and varying forms of cacti.

The west boundary of T.5 N.,R.9 W. crosses the low range of the Big Horn Mountains in section 30, the remainder of the line lying in a gently rolling mesa.

Rogers Spring, which is a well, improved with a windmill and pump, will be noted in the north east quarter of section 19. The mill and reduction plant of the Tiger Mines lies in the south west quarter of section 19; no mining is in progress and the mill is idle.

An ungraded road traverses the township obliquely through sections 2 to 19, a branch road extends south at Rogers Spring leading into the Tiger mine, and also easterly therefrom through sections 29, 33 and 34, terminating at some abandoned mining prospects near the south boundary of section 34.

Mr. Crabbs ranch is situated in the north west quarter of section 2, a well and windmill furnishing water for ranch needs.

No other improvements are noted within the township, or closely adjacent thereto.

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 6th day of October, 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, independently resurveyed the

First standard parallel north, along the south boundary of T.5 N., R.9 W., and surveyed the

West boundary of T.5 N., R.9 W.

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 and resurvey 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, San Francisco, California. April 12, 1932.

Dupree R. Averill U. S. Surveyor

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, MAR 20 1933, 19

The foregoing field notes of the independent resurvey of the First Standard Parallel North along the south boundary of T.5 N., R.9 W., and the survey of the west boundary of T.5 N., R.9 W., 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 October 6, 1931, 19, 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