

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

4486

Original
FIELD NOTES

of the

Survey of a Portion of the Subdivisional Lines

in

Township 5 South, Range 28 East

Of the Gila and Salt River Meridian,

In the State of Arizona

4486

EXECUTED BY

Horace G. Parker, Cartographer Cadastral

Under special instructions dated November 16, 1954, which provided
for the surveys included under Group No. 299, approved November 16, 1954
and assignment instructions dated December 16, 1954

Survey commenced March 4, 1955

Survey completed March 25, 1955

1A

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INDEX DIAGRAM

Township 5 South, Range 28 East

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Survey of a Portion of the Subdivisional Lines in T. 5 S., R. 28 E.

Chains

The south boundary of T. 5 S., R. 28 E., (First Standard Parallel South) was surveyed by Coetzee in 1895. The east boundary, the east half of the north boundary and sections 1 and 2 were surveyed and the east half mile of the south boundary of section 36 was resurveyed by W. B. Kimmell in 1913, as shown on plat approved June 19, 1915. The west half of the north boundary was surveyed by C. E. Hunter in 1934. The south and west boundaries of sections 3, 10, 11 and 12 were surveyed by W. H. Thorn in 1921, as shown on the plat approved June 7, 1923.

For the tests of instruments and methods used, refer to the field notes of T. 6 S., R. 28 E., executed under this same group.

The following field notes are those of the survey of a portion of the subdivisional lines in T. 5 S., R. 28 E.

The survey was initiated on the official request of the Arizona State Land Department, Phoenix, Arizona.

The direction of the lines of survey were determined from the azimuth of the U.S.C. & G. S. triangulation station Guthrie and by sustained angulation carried forward and supplemented by altitude observations on the sun for azimuth taken throughout the work.

The geographic position, as recorded on the plat approved June 7, 1923, for the SE. corner of the township is latitude $32^{\circ} 56' 37''$ N., and longitude $109^{\circ} 24' 11''$ W. The magnetic declination is $13^{\circ} 50' E.$

Beginning the subdivisional survey at the standard corner of secs. 33 and 34, on the S. bdy. of the township, monumented with a malpais stone, 12x12x10 ins. above ground, firmly set, marked and witnessed as described in the official record.

N. $0^{\circ} 02' W.$, bet. secs. 33 and 34.

Over rough mountainous land, through scattering undergrowth; asc. 277 ft. over steep rocky S. slope.

12.00 Top of spur from ridge, slopes E. 4 chs., thence SSE.; desc. 70 ft. over N. slope.

14.58 Trail, bears NW. and SE.

25.70 Bottom of descent; begin ascent, asc. 245 ft. over S. slope.

38.60 Top of spur from ridge, slopes SE. 3 chs., thence S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$
S 33 | S 34

1955

raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.

Continue over mountainous land, through scattering timber; desc. 46 ft. over NE. slope.

45.00 Bottom of descent; begin ascent, asc. 18 ft. over SE. slope.

48.90 Top of ascent, slopes E.; desc. 275 ft. over ENE. slope.

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Survey of a Portion of the Subdivisional Lines in T. 5 S., R. 28 E.

Chains

63.50 Wash, 40 lks. wide, 4 ft. deep, drains SE.; asc. 285 ft. over S. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

T 5 S	R 28 E
S 28	S 27
S 33	S 34
1955	

raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.

Land, rough mountainous.

Soil, gravelly and rocky, 4th rate.

No timber.

Undergrowth, sagebrush, ecotillo, oakbrush and cacti.

N. $0^{\circ} 02'$ W., bet. sections 27 and 28.

Over rough mountainous land, through scattering undergrowth; asc. 199 ft. over steep rocky SW. slope.

7.90 Top of rocky spur from ridge, slopes SE.; desc. 255 ft. over steep rocky N. slope.

20.40 Bottom of slope; asc. 17 ft. over SE. slope.

25.46 Top of ascent, slopes E.; desc. 44 ft. along E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

S 28	S 27
1955	

raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.

Continue over mountainous land; desc. 12 ft. over E. slope.

40.10 Wash, 70 lks. wide, 6 ft. deep, drains SE. 2 chs., thence SSE.

53.70 Begin ascent, asc. 309 ft. over steep rocky SW. slope.

72.95 Top of ascent, slopes W.; desc. 101 ft. over NW. slope.

79.58 Point for the witness cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

T 5 S	R 28 E
W C	
S 21	S 22
S 28	S 27
1955	

raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.

Survey of a Portion of the Subdivisional Lines in T. 5 S., R. 28 E.

Chains

80.00	<p>True point for the cor. of secs. 21, 22, 27 and 28 falls on the steep left bank of a wash, bearing NE. and SSW.; not monumented.</p> <p>Land, rough mountainous. Soil, gravelly and rocky, 4th rate. No timber. Undergrowth, sagebrush, ocotillo, oakbrush and cacti.</p>
	<p>N. 0° 02' W., bet. secs. 21 and 22.</p> <p>Over rough mountainous land, through scattering undergrowth; desc. 12 ft. over NNW. slope.</p>
6.00	<p>Wash from NE., 40 lks. wide, 8 ft. deep, drains SSW.; asc. 133 ft. over steep rocky S. slope.</p>
X 14.57	<p>Top of ascent, slopes N.; desc. 29 ft. over NNE. slope.</p>
24.55	<p>Begin ascent, asc. 139 ft. over steep rocky SW. slope.</p>
34.80	<p>Small hillside wash, 3 lks. wide, 5 ft. deep, drains SE.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.</p> <p style="text-align: center;"> $\frac{1}{4}$ S 21 S 22 1955 </p> <p>raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.</p> <p>Continue over mountainous land, through scattering undergrowth; asc. 714 ft. over steep rocky WSW. slope.</p>
49.90	<p>Hillside wash, 25 lks. wide, 4 ft. deep, drains SW.</p>
68.00	<p>Top of spur from ridge, slopes W.; desc. 178 ft. over steep rocky N. slope.</p>
76.30	<p>Head of wash, 40 lks. wide, 10 ft. deep, drains W.; asc. 34 ft. over S. slope.</p>
80.00	<p>Point for the cor. of secs. 15, 16, 21 and 22.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.</p> <p style="text-align: center;"> T 5 S. R 28 E. S 16 S 15 S 21 S 22 1955 </p> <p>raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.</p> <p>Land, rough mountainous. Soil, gravelly and rocky, 4th rate. No timber. Undergrowth, sagebrush, ocotillo, oakbrush, and cacti.</p>

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Survey of a Portion of the Subdivisional Lines in T. 5 S., R. 28 E.

Chains	
	N. 0° 11' W., bet. secs. 15 and 16. Over rough mountainous land, through sparse timber and scattering undergrowth; continue ascent, asc. 48 ft. over S. slope.
5.90	Top of ridge, bears E. and W.; desc. 110 ft. over steep rocky N. slope, through heavy undergrowth.
7.50	Head of wash, 20 lks. wide, 4 ft. deep, drains W. approximately 5 chs., thence NNW.; asc. 9 ft. over SW. slope.
12.90	Top of ascent, slopes W.; desc. 165 ft. along W. slope.
40.05	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd. $\begin{array}{c} \frac{1}{4} \\ \text{S } 16 \text{ } \text{ } \text{S } 15 \\ 1955 \end{array}$ raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner. Continue over rough mountainous land, through heavy undergrowth.
45.00	Begin ascent, asc. 7 ft. along rocky SW. slope.
47.00	Top of ascent, slopes W.; desc. 48 ft. over NW. slope.
53.20	Wash, 30 lks. wide, 10 ft. deep, drains W.; asc. 45 ft. over SW. slope.
62.00	Begin descent, desc. 459 ft. over NNW. slope.
80.10	The cor. of secs. 9, 10, 15 and 16, monumented with an iron post, 2 inq. diam., firmly set in the ground, marked and witnessed as described in the official record. I rebuild the mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of corner. Land, rough mountainous. Soil, gravelly and rocky, 4th rate. Timber, oak and sparse juniper. Undergrowth, sagebrush, ocotillo, oakbrush and cauti.
	From the cor. of secs. 15, 16, 21 and 22, hereinbefore described. West on true line, bet. secs. 16 and 21. Over rough mountainous land, through scattering undergrowth; desc. 131 ft. over SW. slope.
10.00	Bottom of descent, continue along S. slope of spur.
20.00	Begin ascent, asc. 132 ft. over SE. slope.
31.50	Top of ascent, slopes S.; desc. 74 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines in T. 5 S., R. 28 E.

Chains	
	$\frac{1}{4} \begin{array}{c} \text{S 16} \\ \text{S 21} \\ 1955 \end{array}$ <p>raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of corner.</p> <p>Continue over rough mountainous land, through scattering undergrowth.</p>
42.00	Hillside wash, 3 lks. wide, 4 ft. deep, drains S.; asc. 72 ft. along E. slope.
53.30	Top of ascent, slopes S.; desc. 30 ft. over WSW. slope.
60.20	Head of wash, 30 lks. wide, 8 ft. deep, drains SE.; asc. 103 ft. over E. slope.
72.70	Top of spur from ridge, slopes SSE.; desc. 81 ft. over steep rocky SW. slope.
80.00	Point for the cor. of secs. 16; 17, 20 and 21.
	<p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.</p> $\begin{array}{c} \text{T 5 S} \quad \text{R 28 E} \\ \text{S 16} \quad \quad \text{S 17} \\ \text{S 21} \quad \quad \text{S 20} \\ 1955 \end{array}$ <p>raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.</p> <p>Land; rough mountainous. Soil, gravelly and rocky, 4th rate. Timber, sparse juniper. Undergrowth, sagebrush, ocotillo; oakbrush, catclaw and cacti.</p>
	<p>N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.</p> <p>Over rough mountainous land, through scattering undergrowth; asc. 324 ft. over SW. slope.</p>
17.41	Ridge, bears ESE. and W.; desc. 662 ft. over steep rocky N. slope with small ledges 3 to 10 ft. high.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.
	<p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.</p> $\frac{1}{4} \begin{array}{c} \text{S 16} \quad \quad \text{S 17} \\ 1955 \end{array}$ <p>raise a mound of stone, 4 ft. base, 3 ft. high, W. of corner.</p> <p>Continue over rough mountainous land, through scattering timber and undergrowth.</p>
41.00	Wash, 1 ch. wide, 4 ft. deep, drains ESE. 5 chs., thence NE.; asc. 527 ft. over steep rocky S. slope.
59.70	Top of spur from ridge, slopes SE.; desc. 346 ft. over NE. and E. slope.

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Survey of a Portion of the Subdivisional Lines in T. 5 S., R. 28 E.

Chains

80.00

Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

T 5 S	R 28 E
S 9	S 8
S 16	S 17
1955	

raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of corner.

Land, rough mountainous.

Soil, gravelly and rocky, 4th rate.

Timber, sparse oak, cottonwood and juniper along large washes.

Undergrowth, sagebrush, ocotillo, oakbrush, catclaw and cacti.

From the cor. of secs. 9, 10, 15 and 16, hereinbefore described.

S. $89^{\circ} 55'$ W., bet. secs. 9 and 16.

Over rough mountainous land, through scattering timber and heavy undergrowth; desc. 97 ft. over W. slope.

8.00

Wash, 90 lks. wide, 3 ft. deep, drains NE. Oak, cottonwood and juniper timber along wash. Asc. 365 ft. over SE. slope.

17.60

Top of ascent, slopes S.; desc. 102 ft. over SW. slope.

23.00

Wash, 15 lks. wide, 3 ft. deep, drains SE.; asc. 408 ft. over E. slope.

39.93

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.

$\frac{1}{4}$	S 9
	S 16
1955	

raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, N. of corner.

Continue over rough mountainous land, through scattering timber and heavy undergrowth; asc. 253 ft. over E. slope.

52.00

Top of spur from ridge, slopes S.; desc. 522 ft. over steep rocky SW. slope.

75.65

Wash, 1 ch. wide, 6 ft. deep, drains SE.; asc. 121 ft. over NE. slope.

79.86

The cor. of secs. 8, 9, 16 and 17.

Land, rough mountainous.

Soil, gravelly and rocky, 4th rate.

Timber, cottonwood, oak and juniper.

Undergrowth, oakbrush, sagebrush, ocotillo and cacti.

T. 5 S., R. 28 E.

General Description

The general elevation of the township ranges from 3500 to 5500 ft. above sea level. The entire township consists of rough mountainous land with very shallow soil which is gravelly and rocky, 4th rate.

There is sparse timber along the main washes and the entire township is covered with scattering undergrowth.

There are no settlers living within the township. At the present time, the predominant interest is in stock grazing, but this is very limited since the area is too rough and there is not sufficient rainfall to produce a good stand and growth of native grasses.

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CERTIFICATE OF CADASTRAL ENGINEER

I, Horace G. Parker, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of November, 1954, I have surveyed a portion of the subdivisional lines in Township 5 South, Range 28 East,

of the G & S R 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
September 2, 1955

Horace G. Parker
Horace G. Parker
Cartographer Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., JAN 30 1956, 19

The foregoing field notes of the survey of a portion of the subdivisional lines in Township 5 South, Range 28 East, Gila and Salt River Meridian, Arizona

executed by Horace G. Parker having been critically examined and found correct, are hereby approved.

Carl S. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering