4—679
(September 1948)

BOOK 4487

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion and Dependent Resurvey

of a Portion of the Subdivisional Lines

in

Township 6 South, Range 27 East

Of the Gila and Salt River *Meridian,*

In the State of Arizona

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 January 10, *1955*

Survey completed January 21, *1955*

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

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Survey of a Portion of the Subdivisional Lines in T. 6 S., R. 27 E.

The 1st Standard Parallel North (north boundary of T. 6 S., R. 27 E.) was surveyed by Philip Contzen in 1895. The east, south, and west boundaries were surveyed by Philip Contzen in 1895 and 1896. A portion of the subdivisional lines was surveyed by Philip Contzen in 1896, and these surveys are recorded on the plat approved January 23, 1897, on file in the Bureau of Land Management.

The following field notes are those of the surveys of a portion of the subdivisional lines of T. 6 S., R. 27 E., deemed sufficient in extent to facilitate development of the natural resources, and marks the boundaries of those sections that normally are considered State School Sections.

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

The survey was executed with a Gurley transit, serial number 49657. It is the property of the Bureau of Land Management, and conforms to the standard instrumental specifications thereof. The horizontal circle has two double opposite verniers reading to single minutes, and the vertical circle has one double vernier reading to single minutes. The instrument is in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, is tested and found free from appreciable error.

Azimuths of all lines were taken from the azimuth of the Coast and Geodetic Survey Triangulation Station "Guthrie" and the U. S. Soil Erosion Service Triangulation Stations "Sol," "BM-40", and "G-18", and supplemented by direct solar observations from time to time as the survey progressed.

The measurements were made with a Lufkin steel tape, 5 chains in length, graduated in tenths for the first 10 links, at link intervals for the next 90 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a 1-chain standard steel tape and found correct.

The measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment. The horizontal equivalents are entered in this field note record.

The lengths of all lines were determined by chaining where possible, otherwise by traverse or triangulation. The details of such traverse or triangulation have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from this field note record.

Corners on the east-west lines were set on the direct latitudinal curve. Lines connecting previously established corners are run by the random and true method, but the random lines are omitted from this field note record, except where needed to show the detail of an offset or other technical operation.

The data furnished with the special instructions give the geographic position for the Southeast corner of the township as latitude 32° 51' 25" N., and longitude 109° 30' 50" W.

The mean observed magnetic declination is 12° 32' E.

Dep.Res. of a Portion of the Subdivisional Lines in T. 6 S., R. 27 E.

Beginning the resurvey of a portion of the subdivisional lines in T. 6 S., R. 27 E., at the corner of secs. 15, 16, 21 and 22, which is monumented with a porphyry stone, 18x12x6 ins. above ground, firmly set, marked and witnessed as described in the official record.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T 6 S	R 27 E
S 16	S 15
S 21	S 22

1955

Bury the original corner stone alongside the iron post, and raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.

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Portion of the Subdivision of T. 6 S., R. 27 E.

Chains	
	N. 89° 56' W., bet. secs. 16 and 21.
	Over rolling land, through scattering undergrowth; desc. 137 ft. over SW. slope.
20.07	Wash, 12 lks. wide, 2 ft. deep, drains NW.
26.28	Wash, 15 lks. wide, 4 ft. deep, drains N.; continue over nearly level land, over N. slope.
40.08	The ¼ sec. cor. of secs. 16 and 21, which is monumented with a malpais stone, 12x10x6 ins. above ground, marked and witnessed as described in the official record.
	At the corner point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	¼ S 16 S 21 1955
	Bury the original corner stone alongside the iron post, and raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor.
	N. 89° 56' W., beginning new measurement.
	Asc. 34 ft. over NE. slope.
1.80	Top of ascent, slopes N.; desc. 34 ft. over NNW. slope.
4.27	Wash, 14 lks. wide, 4 ft. deep, drains NNW.
10.64	Fence, 4 strand barbed wire, bears N. and S. Continue descent, desc. 138 ft. over WNW. slope.
21.90	Bottom of descent, bears ENE. and WSW.
26.32	Fence, 4 strand barbed wire, bears N. and S.
29.80	Wash, 2 chains wide, 6 ft. deep, drains SW.; asc. 23 ft. over E. slope to cor.
37.30	Graded road, bears NNE. and SSW.
39.90	The cor. of secs. 16, 17, 20 and 21, which is monumented with a malpais stone, 14x10x6 ins. above ground, marked and witnessed as described in the official record.
	At the corner point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 6 S | R 27 E S 17 | S 16 S 20 | S 21 1955
	Bury the original corner stone alongside the iron post, and raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.
	Land, gently rolling. Soil, gravelly and stony. No timber. Undergrowth, scattering mesquite, greasewood, and chaparral.

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Portion of the Subdivision of T. 6 S., R. 27 E.

Chains	
	N. 0° 02' W., bet. secs. 16 and 17.
	Over gently rolling land, through scattering undergrowth.
7.00	Begin ascent, asc. 81 ft. over gradual S. slope.
15.27	Fence, 4 strand barbed wire, bears E. and W.
20.06	Top of ascent, slopes SSE., continue over nearly level land; an abandoned house bears SE., approximately 18 chains dist.
35.00	Wash, 40 lks. wide, 3 ft. deep, drains ESE.; asc. 52 ft. over SW. slope.
40.00	The ¼ sec. cor. of secs. 16 and 17, which is monumented with a porphyry stone, 10x5x5 ins. above ground, marked and witnessed as described in the official record.
	At the corner point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.
	¼ S 17 | S 16 1955
	Bury the original corner stone alongside the iron post, and raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.
	N. 0° 02' W., beginning new measurement.
	Asc. 301 ft. over steep rocky W. slope of spur from ridge sloping SE.
24.72	Enter wash, 40 lks. wide, 6 ft. deep, drains SW.; continue ascent, asc. 102 ft.
34.43	Same wash, 10 lks. wide, 3 ft. deep, drains SSE. Leave wash; asc. 258 ft. over steep S. slope.
39.92	Point for the cor. of secs. 8, 9, 16 and 17, at proportionate distance; there is no remaining evidence of the original corner.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 6 S R 27 E S 8 | S 9 S 17 | S 16 1955
	raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor.
	From this corner, the ¼ sec. cor. of secs. 8 and 9, T. 6 S., R. 27 E., which is a malpais stone, firmly set in the ground and in a mound of stone, marked and witnessed as described in the official record, bears N. 0° 02' W., 40 chains dist.
	From this same corner, the ¼ sec. cor. of secs. 8 and 17, T. 6 S., R. 27 E., which is monumented with a malpais stone, 10x8x6 ins. above ground, marked and witnessed as described in the official record, bears N. 89° 56' W., 39.92 chs. dist.

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Portion of the Subdivision of T. 6 S., R. 27 E.

Chains	
	Land, south-half, gently rolling; north-half, mountainous. Soil, gravelly and stony. No timber. Undergrowth, scattering mesquite, ocotillo, chaparral and greasewood.
	Beginning the subdivisional survey at the corner of secs. 15, 16, 21 and 22, hereinbefore described.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over mountainous land, through scattering undergrowth; asc. 117 ft. over SW. slope.
5.50	Top of slope, slopes W.; desc. 24 ft. over N. slope.
12.35	Begin ascent; asc. 229 ft. over steep S. slope.
21.34	Top of spur from ridge, slopes W.; desc. 113 ft. over N. slope.
28.20	Bottom of descent, slopes E.; asc. 17 ft. over SE. slope.
34.50	Top of same spur from ridge, slopes NE.; desc. 42 ft. over N. slope to corner.
40.00	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., 12 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd. $\frac{1}{4}$ S 16 | S 15 1955
	raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
X	Continue over mountainous land, through scattering undergrowth; asc. 425 ft. over steep rocky SW. (S.W.) slope.
60.31	Top of spur from ridge, slopes W.; continue along base of sandstone cliff approximately 50 ft. high, along W. slope of spur.
74.40	Begin descent, desc. 47 ft. over NW. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd. T 6 S | R 27 E S 9 | S 10 S 16 | S 15 1955
	raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous. Soil, gravelly and stony. No timber. Undergrowth, scattering mesquite, greasewood, ocotillo and chaparral.

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Portion of the Subdivision of T. 6 S., R. 27 E.

Chains	
	N. 89° 56' W., bet. secs. 9 and 16.
	Over mountainous land, through scattering undergrowth; desc. 374 ft. over abrupt W. slope.
10.82	Graded road, bears N. 45° E. and S. 45° W.; continue descent; desc. 69 ft. over NW. slope.
14.71	Wash, 10 lks. wide, 6 ft. deep, drains SW.; asc. 145 ft. along S. slope of a steep rocky spur from ridge.
32.44	Continue over S. slope, above broken perpendicular conglomerate rock cliffs, 20 to 30 ft. high.
39.95	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., 6 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 cor.
	Continue over mountainous land; desc. 74 ft. over steep W. slope.
57.50	Bottom of descent; begin ascent, asc. 22 ft. over E. and S. slope.
62.50	Top of ascent, slopes S.; continue along S. slope of spur.
67.00	Begin ascent, asc. 144 ft. over E. and S. slope to cor.
79.90	The cor. of secs. 8, 9, 16 and 17.
	Land, mountainous. Soil, gravelly and stony. No timber. Undergrowth, scattering chaparral, mesquite, ocotillo, greasewood and cacti.

General Description

The southwest portion of this township is mostly mesa land. The remainder is mountainous, excepting the lands of the south half of secs. 35 and 36 which, owing to their rich soils, are capable of producing abundant crops with artificial irrigation. These secs. are well watered and irrigated by ditches taking water out of the Gila River which runs along their respective south boundaries.

There are a number of settlers living in secs. 35 and 36, who have cultivated most of the available lands.

Mesquite timber is found in small quantities over all the township, while cottonwood and willow are found along the Gila River.

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4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Leslie H. Cannon	Note-keeper
Clarence J. Curtis	Chairman
George E. Kirby	Flagman
Albert W. DeLong	Axeman
Augustus C. Hardy	Axeman
Darwin P. Russell	Truck Driver

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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 and dependently resurveyed a portion of the subdivisional lines in Township 6 South, Range 27 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
August 3, 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 and dependent resurvey of a portion of the subdivisional lines in Township 6 South, Range 27 East, Gila and Salt River Meridian, Arizona.

executed by Horace G. Parker

having been critically examined and found correct, are hereby approved.

Earl G 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.

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