

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

(C)

Dependent Resurvey of a Portion of the Fourth Standard Parallel North

and

Survey of a Portion of the Subdivision

of

Township 17 North, Range 3 East

Of the Gila & Salt River Meridian,

In the State of Arizona

EXECUTED BY

Leslie H. Godwin, Cartographer (Cadastral)

Phil D. Smith, Cartographic Survey Aid

Under special instructions dated February 15, April 2, 1956, which provided for the surveys included under Group No. 309 & 310, approved Feb. 15, April 2, 1956 and assignment instructions dated February 15, April 2, 1956.

Survey commenced March 12, 1956.

Survey completed April 13, 1956.

BOOK 4501

Book No. 4501

INDEX DIAGRAM

Township 17 North, Range 3 East

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16-58770-1

— Phil D. Smith

— Leslie H. Gadsden

Resurvey of the South Boundary, T. 17 N., R. 3 E.

The south boundary of T. 17 N., R. 3 E., Fourth Standard Parallel North, was surveyed by J. B. McLaughlin in 1883. An independent resurvey of this line, a partial subdivisional survey of the township, and survey of the west boundary of section 7 were executed by J. B. Wright in 1907, as represented on the plat approved September 16, 1909. The east boundary was surveyed by E. C. Dietrich in 1904.

The following field notes are those of the survey of a portion of the subdivision and the dependent resurvey of the south boundary, section 31, on the Fourth Standard Parallel North, T. 17 N., R. 3 E. Application for the survey was made by the Verde Valley Industries, Inc., through their attorney, Mr. Riney B. Salmon, Title and Trust Building, Phoenix, Arizona.

This survey was executed with W. and L. E. Gurley transits, serial numbers 541329 and 541332, equipped with improved telescopic solar attachments, constructed in accordance with standard instrumental specifications of the Bureau of Land Management. These instruments were in good condition and were placed in proper adjustment prior to the beginning of the survey.

The azimuths of all lines were determined by observations upon Polaris, supplemented by numerous direct solar observations taken throughout the progress of the survey.

Measurements were made with a narrow steel tape, 5 chains in length, graduated every link for the first 100 links, and every 10 links for the remainder. The tape was tested by comparison with a standard tape and found correct. Measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment. The horizontal equivalents only are entered in this field note record.

The geographic position for the southeast corner of section 32, T. 17 N., R. 3 E., is in latitude $34^{\circ} 48' 00''$ N. and longitude $112^{\circ} 03' 32''$ W., as determined from U.S.G.S. Quadrangle sheets.

March 10, 1956, at the southwest corner of section 31, T. 17 N., R. 3 E., in latitude $34^{\circ} 48' 00''$ N. and longitude $112^{\circ} 05' 39''$ W., at 7h 03m 00s a.m., l.m.t., I make an hour angle observation on Polaris, east of the meridian, making two observations each with the telescope in direct and reversed position, reading the horizontal angle from a flag set approximately 20 chains north.

Mean horizontal angle, flag to Polaris----- $1^{\circ} 01.9'$
Azimuth of Polaris, east of the meridian--- $1^{\circ} 01.9'$
True bearing to flag-----North.

The magnetic declination of the township is $14\frac{1}{2}^{\circ}$ E., as determined from U.S.G.S. Quadrangle sheets.

Dependent Resurvey of the Fourth Standard Parallel North, on the south boundary of section 31, T. 17 N., R. 3 E.

Beginning at the standard corner of Ts. 17 N., Rs. 2 and 3 E., G. & S.R. meridian, which is monumented by a malapaie stone, 2'x2'x2' marked with 6 notches each on the east and west faces and S. C. on the north face, firmly set, in large mound of stone.

Resurvey of the South Boundary, T. 17 N., R. 3 E.

Chains

At the corner point.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, 8 inches in the ground and in mound of stone, 3 ft. base to cap, with brass cap marked.

	S	C			
	T	17	N		
R	2	E	R	3	E
S	36		S	31	

1956

Deposit original corner stone at base of post.
Raise a mound of stone, 3 foot base, $2\frac{1}{2}$ ft. high, north of corner.

Thence.

S. $89^{\circ} 53'$ E., on south boundary section 31.

Over rolling land, general SE. drainage.

Ascend 120 feet over ledges on rocky W. slope.

24.70 Ridge, bears N. and SSE., descend 105 feet over rocky E. slope.

39.93 Point for the standard $\frac{1}{4}$ corner of section 31, at proportionate distance, no remaining evidence of original corner.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, 10 inches in the ground and in mound of stone, 4 foot base to cap, with brass cap marked.

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

1956

Descend 140 feet over rocky NE. slope.

48.70 Wash, 10 links wide, 5 feet deep, course SE., ascend 100 feet over rocky SW. slope.

54.90 Top of ascent, thence along S. slope.

66.50 The closing corner of sections 1 and 7, T. 16 N., Rs. 2 and 3 E., monumented by an iron post.

70.00 Descend 60 feet over general SE. slope.

79.86 The standard corner of sections 31 and 32, which is monumented by a limestone $48'' \times 10'' \times 10''$ marked with 5 notches on E. face, 1 notch on W. face and S. C. on N. face, firmly set, in large mound of stone.

At the corner point.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, over an X cut on solid limestone bedrock and supported in a mound of stone, 5 foot base to cap, with brass cap marked.

Resurvey of the South Boundary, T. 17 N., R. 3 E.

Chains

S	C
T 17 N	R 3 E
S 31	S 32

1956

Deposit original corner stone at base of post.

Land: Rolling.

Soil: Rocky.

Timber: None.

Undergrowth: Scattered bunch grass and cacti.

Partial Subdivision, T. 17 N., R. 3 E.

From the standard corner of sections 31 and 32.

N. 0° 03' W., between sections 31 and 32.

Over high rolling land, general E. drainage.

- .40 Spur, sloping E., descend 135 feet over steep NE. slope.
- 6.15 Wash, 20 links wide, 2 foot deep, course E., ascend 195 feet over SE. slope.
- 15.65 Ridge, bears E. and W., thence over rolling land, descend 145 feet over N. slope.
- 32.50 Wash, 30 links wide, 3 foot deep, course E., ascend 130 feet over rocky S. slope.
- 38.35 Ridge, bears NE. and SW., descend 30 feet over rocky N. slope.
- 40.00 Point for the $\frac{1}{4}$ section corner of sections 31 and 32.
- Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, 10 inches in the ground and in mound of stone, 4 foot base to cap, with brass cap marked.
- | | |
|---------------|------|
| $\frac{1}{4}$ | |
| S 31 | S 32 |
- 1956
- Continue to descend 290 feet over steep N. slope.
- 51.10 Four strand barb wire fence, bears E. and W.
- 53:50 Wash, 40 links wide, 2 foot deep, course N. 80° E., ascend 90 feet over steep, rocky SE. slope.
- 62.50 Spur, sloping E., descend 55 feet over N. slope.
- 67.40 Wash, 35 links wide, 3 foot deep, course E., ascend 215 feet over rocky SE. slope.
- 80.00 Point for the corner of sections 29, 30, 31 and 32.

Partial Subdivision, T. 17 N., R. 3 E.

Chains

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, over a X on solid rock and supported in a mound of stone, 5 foot base to cap, with brass cap marked.

T 17 N R 3 E
S 30 S 29
S 31 S 32
1956

Land: High rolling.

Soil: Rocky, sandy.

Timber: None.

Undergrowth: Moderate bunch-grass and cacti.

From the corner of sections 28, 29, 32 and 33, which is monumented by a granite stone $15" \times 20" \times 8"$ marked with 5 notches on the east face and 1 notch on the south face, firmly set, in large mound of stone.

At the corner point.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, 15 inches in the ground and in mound of stone, 3 foot base to cap, with brass cap marked.

T 17 N R 3 E
S 29 S 28
S 32 S 33
1956

Deposit original corner stone at base of post.

Raise a mound of stone, 4 foot base, 3 foot high, west of corner.

Thence.

S. $89^{\circ} 47'$ W., between sections 29 and 32.

Descend 40 feet over rocky W. slope.

4.15 E. rim, Verde River, 70 feet high, bears NW. & SE.

4.30 E. edge, bottomland, bears NW. & SE.

10.00 Verde River, 1 chain wide, 2 foot deep, course SE.

11.00 Leave bottomland, bears NW. & SE.

15.00 W. rim, Verde River, 125 feet high, bears NW. & SE., ascend 10 feet over rocky, sandy E. slope.

16.75 Atchison, Topeka & Santa Fe railroad, bears NW. & SE., continue to ascend 280 feet over rolling, rocky E. slope.

20.00 Leave sandy soil.

38.30 Leave rolling land, thence over level land.

Partial Subdivision, T. 17 N., R. 3 E.

Chains 39.94	Point for the $\frac{1}{4}$ section corner of sections 29 and 32. Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, 6 inches in the ground to bedrock, and in mound of stone, 4 foot base to cap, with brass cap marked. $\frac{1}{4} \begin{array}{r} \text{S } 29 \\ \text{S } 32 \\ 1956 \end{array}$
41.10	Leave level land, ascend 300 feet over rocky, general SE. slope.
61.00	Slope changes to E.
67.75	Spur, sloping SE., descend 140 feet over SW. slope.
74.35	Draw, draining S., ascend 70 feet over SE. slope.
79.88	The corner of sections 29, 30, 31 and 32. Land: Rolling. Soil: Rocky, sandy. Timber: None. Undergrowth: Scattered oak brush and cacti, some bunch-grass.
	From the corner of sections 29, 30, 31 and 32. S. $89^{\circ} 59'$ W., between sections 30 and 31. Over high rolling land, general drainage SE.
9.30	Extreme S. edge of mesa with spur, sloping S., thence across S. slope.
12.00	E. rim small canyon, bears NW. & SE., descend 250 feet over rocky SW. slope.
20.50	Wash, 40 links wide, 4 foot deep, course SE., ascend 135 feet over rocky NE. slope.
28.50	W. rim small canyon, bears NW. & SE., thence over rolling land.
40.00	Point for the $\frac{1}{4}$ section corner of sections 30 and 31. Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diameter, over X on solid rock and supported in a mound of stone, 5 foot base to cap, with brass cap marked. $\frac{1}{4} \begin{array}{r} \text{S } 30 \\ \text{S } 31 \\ 1956 \end{array}$
50.00	Leave rolling land, ascend 140 feet over rolling SE. slope.
75.60	Top of ascent on rim, bears NW. & SE., descend 50 feet over rocky SW. slope.

Partial Subdivision, T. 17 N., R. 3 E.

Chains
79.82

Intersect W. boundary of township at the corner of sections 25, 30, 31 and 36.

Land: Rolling.

Soil: Rocky.

Timber: None.

Undergrowth: Moderate oak brush and cacti, moderate bunch-grass E. $\frac{1}{2}$ mile.

General Description

The major portion of this partial township is rocky, rolling land, with the SE. portion being near level. The major portion of these sections is good grazing land, there is no timber. The Atchison, Tepeka and Santa Fe railroad on the west edge of the Verde River crosses the NE. corner of section 32. The general elevation ranges from a low of 3700 in the SE. corner of section 32 to a high of 4300 throughout section 31. There are two main washes in section 32, the S., or lower wash, entering on the S. boundary in the W. $\frac{1}{2}$ mile, and the N. wash in section 32 is formed by two washes joined in the NW. portion of the section, with the lower wash, coursing through the upper north half of section 31; these washes are joined at the east boundary of section 32 in the south one-half mile, thence entering the Verde River approximately 20 chains distant.

(1)

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Alburn D. Griffin	Note-keeper
Deon J. Allen	Note-keeper
Paul G. Bauer	Chainman
Freddy H. Jones	Chainman
Andrew M. Nelson	Truck driver
Robert R. Mitchell	Truck driver
Samuel Hardin	Flagman
Charley Avants	Flagman
Clarence Wambacher	Axeman

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CERTIFICATE OF CADASTRAL ENGINEER

I, Leslie H. Godwin, Phil D. Smith, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 2/15/4/2/ day of 1956 we made ~~I have surveyed~~ the Dependent Resurvey of a Portion of the Fourth Standard Parallel North, on the south boundary of section 31, and the survey of a Portion of the Subdivision of Township 17 North, Range 3 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
Salt Lake City Utah

Leslie H. Godwin
Phil D. Smith

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 14 1956, 19

The foregoing field notes of the ~~surveyed~~ Dependent Resurvey of a Portion of the Fourth Standard Parallel North, on the south boundary of section 31, and the survey of a Portion of the Subdivision of Township 17 North, Range 3 East.

executed by Leslie H. Godwin and Phil D. Smith

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

Karl 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