

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF

THE SIXTH STANDARD PARALLEL NORTH (SOUTH BOUNDARY)

AND

A PORTION OF THE SUBDIVISIONAL LINES

TOWNSHIP 25 NORTH, RANGE 13 EAST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

MARVIN T. KOPPANG

CADASTRAL SURVEYOR

SHIRLEY B. HJELLUM

SUPERVISORY CADASTRAL SURVEYOR

KENNETH A. KRENKE

SUPERVISORY CADASTRAL SURVEYOR

Under special instructions dated JULY 1, 1977, approved JULY 14, 1977,

AND SUPPLEMENTAL SPECIAL INSTRUCTIONS DATED FEBRUARY 24, 1978, APPROVED

MARCH 6, 1978, which provided for the surveys included under ~~US Survey~~ Group

Number 594, and assignment instructions dated MAY 2, 1977.

Survey commenced MAY 25, 1977

Survey completed JULY 29, 1978

BOOK 5154
02

INDEX DIAGRAM

Township 25 North, Range 13 East,

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
7	6	5	4	3	3
30	29	28	27	26	25
31	32	33	34	35	36
			2	2	

T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Sixth Standard Parallel North (south boundary), and a portion of the subdivisional lines, Township 25 North, Range 13 East, Gila and Salt River Meridian, Arizona.

In 1909-1910, Sidney E. Blout surveyed the Sixth Standard Parallel North (south boundary), the Third Guide Meridian East (west boundary), east and north boundaries and subdivisions, as shown on the official plat approved April 25, 1914.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated July 1, 1977, and the Supplemental Special Instructions dated February 24, 1978, for Group No. 594, Arizona.

Preliminary to the resurvey the lines of the original survey were retraced and a diligent search was made for all corners and other calls of the official record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by direct altitude observations of the sun and Polaris, and refer to the true meridian.

The geographic position of the corner of sections 19, 24, 25 and 30, on the east boundary of the township, identical with AP E-14 on the Hopi-Navajo partition line, as determined by a tie to U.S. Geological Survey triangulation station "GARCE 1965," located in section 24 is:

Latitude 35° 32.9' N. Longitude 110° 53.5' W.

The mean magnetic declination is 14 1/2° E.

Dependent Resurvey of a Portion of the
Sixth Standard Parallel North (South Boundary)
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

Restoring the survey executed by
Sidney E. Blout in 1909-10

Beginning at the stan. cor. of secs. 35 and 36, on the S. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, 1 in. below the ground, with brass cap missing.

At the cor. point

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

S C
T25N R13E
S 35|S 36

1977

04

Dependent Resurvey of a Portion of the
Sixth Standard Parallel North (South Boundary)
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>Bury the iron post with missing brass cap alongside the new iron post.</p>
	<p>N. 89° 56' W., on the S. bdy. of sec. 35.</p>
	<p>Over rolling land.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 35, at proportionate dist.; there is no remaining evidence of the orig. cor.; not monumented.</p>
80.00	<p>Point for the stan. cor. of secs. 34 and 35, at proportionate dist.; there is no remaining evidence of the orig. cor.</p>
	<p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p>S C T25N R13E <u>S 34 S 35</u> 1977</p>
	<p>N. 89° 56' W., on the S. bdy. of sec. 34.</p>
	<p>Over rolling land.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 34, at proportionate dist.; there is no remaining evidence of the orig. cor.; not monumented.</p>
80.00	<p>The stan. cor. of secs. 33 and 34, monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. as described in the official record of the 1909-10 survey of the S. bdy. (Sixth Standard Parallel North), T. 25 N., R. 13 E. Add the marks SC 1977; the cap is now mkd.</p>
	<p>S C T25N R13E <u>S 33 S 34</u> 1977 1910</p>
	<p>Dependent Resurvey, Portion of the Subdivisional Lines T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona</p>
	<p>Restoring the survey executed by Sidney E. Blout in 1909-10</p>
	<p>From the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the Tp., identical with AP E-14 on the Hopi-Navajo partition line, monumented with an iron post, 3 ins. diam., firmly set in concrete, projecting 10 ins. above the ground, with a steel fence post set alongside, with brass cap mkd. as described in the dependent resurvey of the subdivisional lines, T. 25 N., R. 14 E., executed concurrently under this same group.</p>

Dependent Resurvey, Portion of the Subdivisional Lines
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS		
	<p>From this cor., USGS triangulation station "GARCE 1965," bears N. 15° 46' W., 37.90 chs. dist., monumented with a brass tablet, 3 1/2 ins. diam., seated in a concrete monument, 6 ins. square, firmly set, projecting 12 ins. above the ground, with tablet mkd. GARCE 1965 and a triangle.</p> <p>WEST, bet. secs. 24 and 25.</p> <p>Over rolling land.</p>	
39.99	<p>Point for the 1/4 sec. cor. of secs. 24 and 25, now identical with AP E-13 on the Hopi-Navajo partition line, at proportionate dist.; there is no remaining evidence of the orig. cor.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in concrete, with brass cap mkd.</p> <p style="text-align: center;">T25N R13E HOPI 1/4 $\frac{S\ 24}{S\ 25}$ AP E-13 NAVAJO</p> <p style="text-align: center;">1977</p> <p>Set a steel fence post alongside the cor.</p>	
79.98	<p>The cor. of secs. 23, 24, 25, and 26, now identical with AP E-12 on the Hopi-Navajo partition line, monumented with an iron post, 2 ins. diam., firmly set, 10 ins. below the ground, with brass cap mkd. as described in the official record of the 1909-10 survey.</p> <p>At the cor. point</p> <p>Reset the orig. cor., an iron post, 36 ins. long, 2 ins. diam., 30 ins. in the ground, in concrete, with brass cap mkd.</p> <p style="text-align: center;">T25N R13E HOPI $\frac{S\ 23\ S\ 24}{S\ 26\ S\ 25}$ AP E-12 NAVAJO</p> <p style="text-align: center;">1910 1977</p> <p>Set a steel fence post alongside the cor.</p>	
39.95	<p>N. 89° 57' W., bet. secs. 23 and 26.</p> <p>Over rolling land.</p> <p>Point for the 1/4 sec. cor. of secs. 23 and 26, now identical with AP E-11 on the Hopi-Navajo partition line, at proportionate dist.; there is no remaining evidence of the orig. cor.</p>	

Dependent Resurvey, Portion of the Subdivisional Lines
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS		
79.90	<p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in concrete, with brass cap mkd.</p> <p style="text-align: center;">T25N R13E HOPI 1/4 $\frac{S\ 23}{S\ 26}$ AP E-11 NAVAJO 1977</p> <p>Set a steel fence post alongside the cor.</p> <p>Point for the cor, of secs. 22, 23, 26 and 27, now identical with AP E-10 on the Hopi-Navajo partition line, at proportionate dist.; there is no remaining evidence of the orig. cor.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in concrete, with brass cap mkd.</p> <p style="text-align: center;">T25N R13E HOPI $\frac{S\ 22\ S\ 23}{S\ 27\ S\ 26}$ AP E-10 NAVAJO 1977</p> <p>Set a steel fence post alongside the cor.</p> <p>From this cor., the cor. of secs. 14, 15, 22 and 23, bears NORTH, 80.00 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above the ground, with brass cap mkd. as described in the official record of the 1909-10 survey. Add the marks 1977 on the brass cap.</p> <p>From this same cor., the stan. cor. of secs. 34 and 35, on the S. bdy. of the Tp., bears S. 0° 02' W., 160.00 chs. dist., hereinbefore described.</p> <p>These control lines were fully retraced, and no evidence of the intervening cors. was found.</p>	
39.99	<p>N. 89° 56' W., bet. secs. 22 and 27.</p> <p>Over nearly level land.</p> <p>Point for the 1/4 sec. cor. of secs. 22 and 27, now identical with AP E-9 on the Hopi-Navajo partition line, at proportionate dist.; there is no remaining evidence of the orig. cor.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in concrete, with brass cap mkd.</p>	

Dependent Resurvey, Portion of the Subdivisional Lines
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">T25N R13E HOPI 1/4 $\frac{S\ 22}{S\ 27}$ AP E-9 NAVAJO 1977</p>
79.98	<p>Set a steel fence post alongside the cor.</p> <p>The cor. of secs. 21, 22, 27 and 28, now identical with AP E-8, on the Hopi-Navajo partition line, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. as described in the official record of the 1909-10 survey. Add the marks HOPI NAVAJO AP E-8 1977; the cap is now mkd.</p>
	<p style="text-align: center;">T25N R13E HOPI $\frac{S\ 21\ S\ 22}{S\ 28\ S\ 27}$ AP E-8 NAVAJO 1977 1910</p> <p>Surround the iron post with concrete, and set a steel fence post alongside the cor.</p>
40.02	<p>N. 89° 54' W., bet. secs. 21 and 28.</p> <p>Over nearly level land.</p> <p>Point for the 1/4 sec. cor. of secs. 21 and 28, now identical with AP E-7 on the Hopi-Navajo partition line, at proportionate dist.; there is no remaining evidence of the orig. cor.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in concrete, with brass cap mkd.</p>
80.04	<p style="text-align: center;">T25N R13E HOPI 1/4 $\frac{S\ 21}{S\ 28}$ AP E-7 NAVAJO 1977</p> <p>Set a steel fence post alongside the cor.</p> <p>The cor. of secs. 20, 21, 28 and 29, now identical with AP E-6 on the Hopi-Navajo partition line, monumented with an iron post, 2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. as described in the official record of the 1909-10 survey. Add the marks HOPI NAVAJO AP E-6 1977; the cap is now mkd.</p>

Dependent Resurvey, Portion of the Subdivisional Lines
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS		
	<p style="text-align: center;">HOPI T25N R13E S 20 S 21 S 29 S 28 AP E-6 NAVAJO</p> <p style="text-align: center;">1977 1910</p> <p>Surround the iron post with concrete, and set a steel fence post alongside the cor.</p>	
<p>40.00</p>	<p>WEST, bet. secs. 20 and 29.</p> <p>Over nearly level land.</p> <p>The 1/4 sec. cor. of secs. 20 and 29, now identical with AP E-5 on the Hopi-Navajo partition line, monumented with an iron post, 1 in. diam., firmly set, 18 ins. below the ground, with brass cap missing.</p> <p>At the cor. point</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in concrete, with brass cap mkd.</p>	
<p>11.70</p>	<p style="text-align: center;">T25N R13E HOPI 1/4 S 20 S 29 AP E-5 NAVAJO</p> <p style="text-align: center;">1977</p> <p>Bury the iron post with missing brass cap and set a steel fence post alongside the cor.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 89° 57' W., beginning new measurement.</p> <p>Over nearly level land.</p>	
<p>40.00</p>	<p>Road, 40 lks. wide, bears SE and NW.</p> <p>The cor. of secs. 19, 20, 29 and 30, now identical with AP E-4 on the Hopi-Navajo partition line, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. as described in the official record of the 1909-10 survey. Add the marks HOPI NAVAJO AP E-4 1977; the cap is now mkd.</p> <p style="text-align: center;">T25N R13E HOPI S 19 S 20 S 30 S 29 AP E-4 NAVAJO</p> <p style="text-align: center;">1977 1910</p>	

Dependent Resurvey, Portion of the Subdivisional Lines
T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>Surround the iron post with concrete, and set a steel fence post alongside the cor.</p>
	<p>N. 89° 56' W., bet. secs. 19 and 30. Over nearly level land.</p>
35.90	<p>Road, 40 lks. wide, bears SE and NW.</p>
39.99	<p>Point for the 1/4 sec. cor. of secs. 19 and 30, now identical with AP E-3 on the Hopi-Navajo partition line, at proportionate dist.; there is no remaining evidence of the orig. cor. Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in concrete, with brass cap mkd.</p>
	<p style="text-align: center;">T25N R13E HOPI 1/4 $\frac{S\ 19}{S\ 30}$ AP E-3 NAVAJO 1977</p>
	<p>Set a steel fence post alongside the cor.</p>
79.88	<p>The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp. (Third Guide Meridian East), now identical with AP E-2 on the Hopi-Navajo partition line, monumented with an iron post, 3 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. as described in the official record of the 1909-10 survey, with the exception of no date. Add the marks HOPI NAVAJO AP E-2 1977; the cap is now mkd.</p>
	<p style="text-align: center;">T25N R12E R13E HOPI $\frac{S\ 24\ \ S\ 19}{S\ 25\ \ S\ 30}$ AP E-2 NAVAJO 1977</p>
	<p>Surround the iron post with concrete and set a steel fence post alongside the cor.</p>
<p><u>GENERAL DESCRIPTION</u></p> <p>The land encompassed in this survey is located approximately 28 miles south-southwest of the village of New Oraibi. Elevations range from approximately 4800 to 5000 feet above sea level. The terrain varies from broken rolling hills in the east to rolling sand dunes in the central and western portions. The soil varies from adobe clay in the east to sandy loam in the central and western portions. The vegetation consists of sparse native grasses and weeds. Drainage is generally westerly by numerous dry washes.</p>	

T. 25 N., R. 13 E., Gila and Salt River Mer., Arizona

CHAINS

Access to the area is by numerous trail roads and a graded road.

The principal use of the area is the grazing of livestock.

CERTIFICATE OF SURVEY

Hjellum

~~XX~~(We), Marvin T. Koppang, Kenneth A. Krenke and Shirley B. , HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 1st day of July , 19 77 , ~~XXXXXX~~ and Supplemental Special Instructions dated February 24, 1978, (We) have dependently resurveyed a portion of the Sixth Standard Parallel North (south boundary) and a portion of the subdivi-sional lines, Township 25 North, Range 13 East,

of the Gila and Salt River Meridian, in the State of Arizona , which are represented in the foregoing field notes as having been executed by ~~XXXX~~ (us) and under ~~XXX~~ (our) direction; and that said survey has been made in strict conformity with said special instruc-tions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Marvin T. Koppang and Kenneth A. Krenke are no longer employees of the Bureau of Land Management and could not be reached to sign this Certificate of Survey.

February 25, 1981
(Date)

Paul D. Dennis
~~XXXXXXXXXXXX~~
Chief, Branch of Cadastral Survey

March 3, 1981
(Date)

Shirley B. Hjellum
Supervisory (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Denver, Colorado

The foregoing field notes of the dependent resurvey of a portion of the Sixth Standard Parallel North (south boundary) and a portion of the subdivisinal lines, Township 25 North, Range 13 East, of the Gila and Salt River Meridian, Arizona,

executed by Marvin T. Koppang, Cadastral Surveyor and Kenneth A. Krenke and Shirley B. Hjellum, Supervisory Cadastral Surveyors having been critically examined and found correct, are hereby approved.

SEP 17 1981
(Date)

Mary S. Spurlin
ACTING (Chief, Cadastral Survey Examination and Approval Staff)

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.

(Date)

(Chief, Cadastral Survey Examination and Approval Staff)