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(April 1933)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

BOOK 4202

# FIELD NOTES

OF RESURVEY OF

PART OF THE SUBDIVISION LINES

of

TOWNSHIP No. 19 NORTH, RANGE No. 23 EAST

Of the Gila and Salt River Meridian,

In the State of ARIZONA  
to define the Boundary of Addition to Petrified Forest National Monument.

EXECUTED BY

Benjamin J. Kinsey

Surveyor and Cadastral Engineer

Under special instructions dated March 8, 1938, which provided  
for the surveys included under Group No. 222, Arizona, bearing the approval of the  
Commissioner of the General Land Office under date of April 8, 1938  
and assignment instructions dated April 13, 1938

ReSurvey commenced July 23, 1938

ReSurvey completed August 1, 1938

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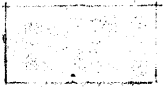
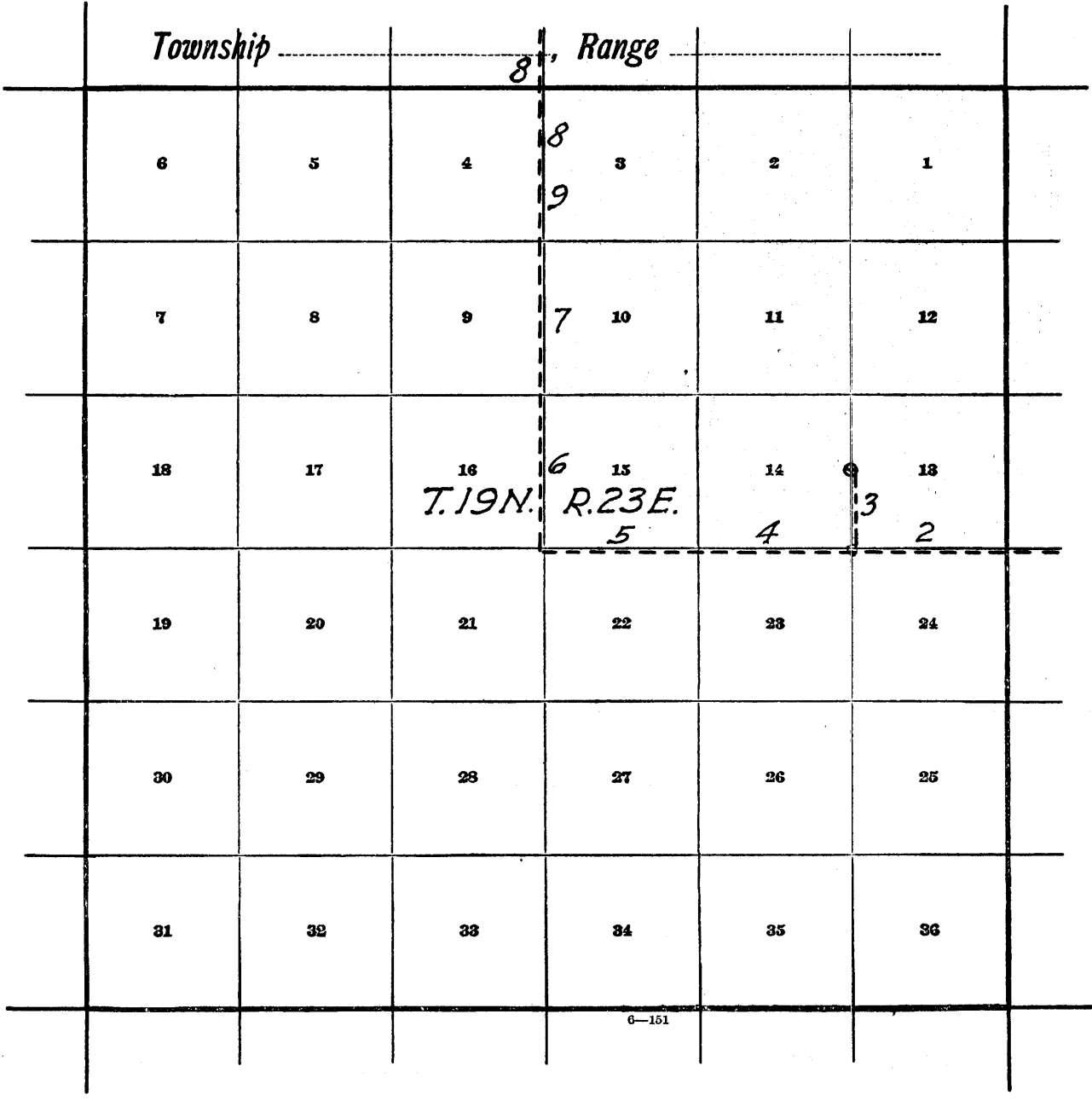
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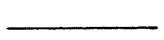
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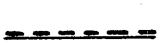
# INDEX DIAGRAM.



Area within Petrified Forest National Monument.



Lines of accepted surveys.



Lines resurveyed under this group.

The resurveys herein described were executed by Benjamin J. Kinsley, Surveyor and Cadastral Engineer, using a Buff transit No. 18000. The instrument is equipped with the improved Smith solar attachment and otherwise conforms to the standard specifications of the General Land Office.

The measurements were made with a Lufkin steel tape, 5 chs. in length, graduated every link for the first 100 lks., and thereafter at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. Measurements were made on the slope; vertical angles determined by clinometer in good adjustment, and the slope measurements reduced to horizontal equivalents for entry in the field notes.

#### PRELIMINARY FIELD TEST OF INSTRUMENT.

July 24, 1938; at station 20 chs. NE. from the cor. of secs. 11, 12, 13 and 14, T. 20 N., R. 26 E., G. & S. R. B. & M., Arizona, in latitude  $35^{\circ}08'N.$  and longitude  $109^{\circ}32\frac{1}{2}'W.$ , examine the adjustments of Buff transit No. 18000 and find no errors. Then to test the solar apparatus by comparing its indications with a true meridian established at this station by Polaris observation at the beginning of the work on May 8, 1938, as described in field notes of resurveys and surveys in T. 18 N., R. 24 E., proceed as follows:

At 9h.00m., a.m., app.t., set off  $35^{\circ}08'N.$ , on the latitude arc;  $19^{\circ}55\frac{1}{2}'N.$  on the declination arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of  $19^{\circ}54'N.$ , on the declination arc, which agrees with the computed declination of the sun.

At 3h.00m., p.m., app.t., with the latitude arc unchanged, set off  $19^{\circ}52\frac{1}{2}'N.$  on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations, taken during the usual hours of solar work come within 1' of the true meridian, conclude that the adjustments of the instrument are satisfactory on this date.

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

2.

## Chains

The subdivision lines of T. 19 N., R. 23 E., were surveyed by Henry Meyrick, U.S. Deputy Surveyor; in 1882, and no retracement or resurvey of any part of same is of record.

The following notes describe a dependent resurvey of the subdivision lines of said township which form part of the boundary of Petrified Forest National Monument, and also of the south half of line bet. secs. 13 and 14.

In this resurvey all existing cor. monuments on the resurveyed lines are reconstructed in their original positions, and all missing corner monuments are reestablished at intervals between existing cors. proportional to the record of the original survey.

All corners reconstructed or reestablished are monumented with regulation brass-capped iron posts.

Preliminary to the resurvey, all of the lines were retraced by random lines on record courses, but the following notes omit a record of such random lines and present only the resulting true courses and distances.

From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., reconstructed under this group, as described in field notes of resurvey of part of the subdivision lines of T. 19 N., R. 24 E.,

N. 89°59'W., on true line, bet. secs. 13 and 24.

Over nearly level land, thru scattering undergrowth.

- 1.00 A point about 15 lks. N. of gate in wire fence bearing E. and W., constructed by U.S. Park Service. West of gate 25 lks. dist. is a fence cor. from which wire fences extend E., W. and S.
- 4.40 Wash, 10 lks. wide, course S. Leave nearly level and enter gently rolling land. Asc. 20 ft. over E. slope.
- 5.35 Top of knoll, desc. 20 ft. over W. slope.
- 6.80 Wash, 10 lks. wide, course N. Leave rolling and enter nearly level land.
- 40.14 (Proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |               |                   |
|---------------|-------------------|
|               | PFNM              |
| $\frac{1}{4}$ | $\frac{S13}{S24}$ |
|               | 1882              |
|               | 1938              |
- dig pits 24x24x12 ins., one each, E. and W. of post, 3 ft. dist.
- Wire fence, bearing E. and W. is about 15 lks. S. of this cor.
- 45.80 Wash, 10 lks. wide, course NW., desc. 24 ft. over NW. slope to
- 66.20 Left edge of Carrizo Wash, bears N. 80°E. and S. 80°W. Thence across nearly level, dry, sandy bed of Carrizo Wash, course S. 80°W.

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

3.

## Chains

80.28

(Proportional dist.) Point for reestablishment of the cor. of secs. 13, 14, 23 and 24, is in bed of Carrizo Wash, where it is impracticable to monument said cor., therefore reestablish witness cor. at a point 55 lks. N. 0° 10'E., as hereinafter described.

This sec. cor. point is reestablished by single proportion E. and W. between original cor. of secs. 15, 16, 21 and 22, and the cor. of secs. 13, 18, 19 and 24 on E. bdy., and at record dist. of 40.00 chs. southerly from original  $\frac{1}{4}$  sec. cor. of secs. 13 and 14.

Retracement to the south failed to locate an original corner monument for control in that direction.

A wire fence bearing E. and W. is about 15 lks. S. of this sec. cor. point.

The boundary of Petrified Forest National Monument extends easterly and westerly thru this point, identical with subdivision lines.

Land, nearly level and gently rolling.

Soil, sandy, 3rd rate.

Timber, none.

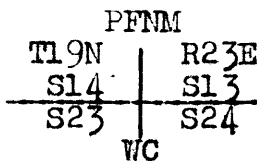
Undergrowth, native weeds, grasses and cacti.

From true point for cor. of secs. 13, 14, 23 and 24, N. 0°10'E., on true line, bet. secs. 13 and 14 (S.  $\frac{1}{2}$ ).

Over nearly level, dry sandy bed of Carrizo Wash, course S. 80°W.

0.40 Right edge of Carrizo Wash, bears NE. and W. Leave said wash, and enter gently rolling land. Ascend gradually over S. slope, thru scattering undergrowth.

0.55 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for witness cor. to cor. of secs. 13, 14, 23 and 24, with brass cap marked



1882  
1938

raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

38.00 Foot of rocky bluff, bears E. and W. Asc. 60 ft. to

39.90 Top of bluff, bears E. and W.

40.00 The original  $\frac{1}{4}$  sec. cor., which is a sandstone 8x8x6 ins., marked  $\frac{1}{4}$  on W. face, firmly set in a mound of stone. Reconstruct this cor. monument as follows: remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, to bedrock, with old cor. stone re-set alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap marked

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

4.

Chains

$$\begin{array}{c} \frac{1}{4} \\ | \\ S14 \quad | \quad S13 \\ | \\ 1882 \\ 1938 \end{array}$$

Land, nearly level, gently rolling and broken.  
Soil, sandy and rocky, 3rd and 4th rates.  
Timber, none.  
Undergrowth, native weeds, grasses and cacti.

From true point for cor. of secs. 13, 14, 23 and 24,  
N. 89°59'W., on true line, bet. secs. 14 and 23.

Over nearly level, dry, sandy bed of Carrizo Wash, course  
S. 80°W., near N. edge of same, bearing nearly E. and  
W.

20.00 Right edge of Carrizo Wash, bears N. 88°E. and S. 70°W.  
Leave said wash. Thence over gently rolling land, thru  
scattering undergrowth.

37.00 Left edge of Wildhorse Wash, bears N. and S. Thence  
across said wash, course S.

40.00 Right edge of wash, bears N. and S. Leave Wildhorse  
Wash.

40.16 (Proportional dist.) Set an iron post, 3 ft. long, 1 in.  
in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with  
brass cap marked

$$\begin{array}{c} \text{PFNM} \\ \frac{1}{4} \frac{S14}{S23} \end{array}$$

$$\begin{array}{c} 1882 \\ 1938 \end{array}$$

raise a mound of stone, 4 ft. base, 2 ft. high, N. of  
cor.

Wire fence, bearing E. and W. is about 15 lks. S. of this  
cor. Ascend gradually over E. slope.

68.00 Foot of steep slope, bears NW. and SE. Wire fence bears  
NW. and SE. At about 20 lks. SE. this fence turns to  
E. Ascend 40 ft. over rocky E. slope.

71.00 Ridge, bears N. and S. near S. end of same. Desc. 50 ft.  
over W. slope to

80.32 (Proportional dist.) Set an iron post, 3 ft. long, 2 ins.  
in diam., 27 ins. in the ground, for cor. of secs. 14,  
15, 22 and 23, with brass cap marked

$$\begin{array}{c} \text{PFNM} \\ \begin{array}{c|c} T19N & R23E \\ S15 & S14 \\ \hline S22 & S23 \end{array} \end{array}$$

$$\begin{array}{c} 1882 \\ 1938 \end{array}$$

raise a mound of stone, 4 ft. base, 2 ft. high, W. of  
cor.

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

5.

## Chains

Retracement north and south failed to locate an original corner monument for latitudinal control, therefore this cor. is reestablished by single proportion E. and W. bet. original cor. of secs. 15, 16, 21 and 22, and the cor. of secs. 13, 18, 19 and 24 on E. bdy. of Tp.

The boundary of Petrified Forest National Monument extends easterly and westerly thru the above described sec. cor., identical with subdivision lines.

Land, nearly level, gently rolling and broken.  
Soil, sandy and rocky, 3rd and 4th rates.  
Timber, none.  
Undergrowth, native weeds, grasses and cacti.

N. 89°59'W., on true line, bet. secs. 15 and 22.

Over gently rolling land, thru scattering undergrowth.

Desc. gradually over SW. slope.

18.30 Wash, 40 lks. wide, course S.; leave gently rolling and enter broken land. Ascend 63 ft. over E. slope.

26.15 Rim, bears N. and S. Thence over level rocky surface.

40.16 (Proportional dist.) Set an iron post, 3 ft. long; 1 in. in diam., over a 4 inch cross (x) chiseled in exposed bedrock, and raise a mound of stone around post to top, for  $\frac{1}{4}$  sec. cor., with brass cap marked

PTNM
S15
S22

1882  
1938

40.20 Rim, bears N. and S. Leave level and enter rolling and broken land. Desc. 51 ft. over boulder strewn W. slope.

42.50 Wash, 10 lks. wide, course SE.; asc. 74 ft. over E. slope.

46.00 Sandy spur, slopes S.; desc. 40 ft. over W. slope.

66.00 Wash, 10 lks. wide, course S.; asc. 42 ft. over SE. slope.

72.45 Point of rocky spur, slopes S.; desc. 33 ft. over SW. slope to.

77.00 Thence over S. slope.

80.32 The original cor. of secs. 15, 16, 21 and 22, which is a sandstone, 20x16x11 ins., marked with 3 notches on each of E. and S. edges, and set in a mound of stone. Reconstruct this cor. monument as follows: remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for cor. of secs. 15, 16, 21 and 22, with brass cap marked

	PTNM	
T19N	R23E	
S16	S15	
S21	S22	

1882  
1938

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

6.

Chains	
	<p>The boundary of Petrified Forest National Monument extends easterly and northerly from this sec. cor., identical with subdivision lines.</p> <p>Land, gently rolling, level, broken and rolling. Soil, sandy and rocky, 3rd and 4th rates. Timber, none. Undergrowth, native weeds, grasses and cacti.</p>
	<p>N. 0°04'E., on true line, bet. secs. 15 and 16. Over rolling land, thru scattering undergrowth. Ascend 21 ft. over S. slope.</p>
6.20	Low sand dune; desc. 12 ft. over N. slope.
13.80	Enter badlands, bearing E. and W.; asc. 93 ft. over broken S. slope.
15.20	Rim, bears E. and W. Thence over level land.
35.00	Rim, bears NW. and SE.; desc. 30 ft. over broken NE. slope.
36.50	Wash, 10 lks. wide, course SE.; asc. 30 ft. over S. slope to
39.90	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, with a stone 5x5x4 ins., marked with a cross (x) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\   \\ S16 \quad   \quad S15 \quad PFNM \\   \\ 1882 \\ 1938 \end{array}$
	Ascend 52 ft. over S. slope.
44.90	Rim, bears NE. and SW. Thence over gently rolling E. slope.
54.90	Rim, bears E. and W.; desc. 43 ft. over N. slope.
60.25	Wash, 15 lks. wide, course NE.; asc. slightly over SW. slope to
62.60	Foot of steep S. slope, bears E. and W. Asc. 50 ft. to
64.90	Point of spur, slopes E.; desc. 60 ft. over NE. slope to
79.80	<p>The original cor. of secs. 9, 10, 15 and 16, which is a sandstone 16x11x6 ins., with visible but illegible marking, and lying on top of a mound of earth and stone. Reconstruct this cor. monument as follows: remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, with old cor. stone reset alongside, for cor. of secs. 9, 10, 15 and 16, with brass cap marked</p>
	$\begin{array}{c} T19N \quad R23E \\   \quad   \\ S9 \quad   \quad S10 \\   \quad   \\ S16 \quad   \quad S15 \quad PFNM \\   \\ 1882 \\ 1938 \end{array}$



## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

7.

## Chains

raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

The boundary of Petrified Forest National Monument extends northerly and southerly thru this sec. cor., identical with subdivision lines.

Land, rolling, broken, level and gently rolling.  
Soil, sandy and rocky, 3rd and 4th rates.  
Timber, none.  
Undergrowth, native weeds, grasses and cacti.

N. 0°04'W., on true line, bet. secs. 9 and 10 (S.  $\frac{1}{2}$ ).

Over rolling and broken badlands, thru scattering undergrowth.

Desc. slightly over NE. slope.

- 0.50 Wash, 5 lks. wide, course SE.; asc. 20 ft. over broken S. slope.
- 12.00 Spur, slopes E.; desc. 66 ft. over broken N. slope.
- 26.85 Wash, 50 lks. wide, course E.; asc. 22 ft. over S. slope.
- 29.55 Spur, slopes E.; desc. 49 ft. over broken N. slope.
- 38.95 Wash, 30 lks. wide, course E. Enter gently rolling land. Asc. slightly over S. slope to
- 39.43 The original  $\frac{1}{4}$  sec. cor., which is a lava stone 2x10x10 ins., marked  $\frac{1}{4}$  on W. face and firmly set in a mound of stone.  
Reconstruct this cor. monument as follows:  
remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- $\frac{1}{4}$   
 S9 | S10 PFNM  
 1882  
 1938
- Thence
- N. 0°16'W., on true line, bet. secs. 9 and 10 (N.  $\frac{1}{2}$ ).
- Over gently rolling and broken badlands, thru scattering undergrowth.
- Ascend 38 ft. over S. slope.
- 7.50 Low spur, slopes E.; desc. 39 ft. over N. slope.
- 16.55 Wash, 30 lks. wide, course N. 80°E.; asc. 27 ft. over SE. slope.
- 19.35 Point of spur, slopes E.; desc. 20 ft. over NE. slope.
- 21.85 Wash, 20 lks. wide, course SE.; asc. 45 ft. over SE. slope to
- 28.15 Wash, 10 lks. wide, course SE.; asc. 53 ft. over S. slope.

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

8.

Chains

32.35

Spur, slopes E.; desc. 56 ft. over N. slope to

40.15

The original cor. of secs. 3, 4, 9 and 10, which is a sandstone, 16x12x3 ins., marked with 3 notches on E. edge, and 5 notches on S. edge, and firmly set in a mound of stone.

Reconstruct this cor. monument as follows:

remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, with the old cor. stone reset alongside, for cor. of secs. 3, 4, 9 and 10, with brass cap marked

T19N	R23E	PFNM
S4	S3	
S9	S10	

1882  
1938

raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

The boundary of Petrified Forest National Monument extends northerly and southerly thru this sec. cor., identical with subdivision lines.

Land, rolling, broken and gently rolling.

Soil, rocky and gumbo, 4th rate.

Timber, none.

Undergrowth, native weeds, grasses and cacti.

The original cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., established in 1882 by Henry Meyrick, U.S.D.S. in a sandstone, 16x12x4 ins., set in a mound of stone, at cor. of drift fences extending E. and SW. The marking on the old cor. stone has been effaced by erosion.

Reconstruct this cor. monument as follows:

remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, with the old cor. stone reset alongside, and in a mound of stone to top, for cor. of secs. 3, 4, 33 and 34, with brass cap marked

T20N	R23E	PFNM
S33	S34	
S4	S3	

T19N

1882  
1938

The boundary of Petrified Forest National Monument extends northerly and southerly thru this sec. cor., identical with subdivision lines.

Thence

S. 0°29'E., on true line, bet. secs. 3 and 4 (N.½).

Over gently rolling and broken badlands, thru scattering undergrowth.

Ascend gradually over NE. slope.

17.16

NW. end of knoll, in spur sloping SE.; desc. gradually over SW. and S. slopes to

## Resurvey: Part of Subdivision Lines of T. 19 N., R. 23 E.

9.

## Chains

27.00

The original  $\frac{1}{4}$  sec. cor., which is a lava stone 6x8x19 ins. marked  $\frac{1}{4}$  on W. face, firmly set in a mound of earth and stone.

Reconstruct this cor. monument as follows:

remove the stone and mound, and in center of its position, set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with old cor. stone reset alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ | \\ S4 \quad | \quad S3 \quad PFNM \\ | \\ 1882 \\ 1938 \end{array}$$

## Thence

S. 0°29'E., on true line, bet. secs. 3 and 4 (S. $\frac{1}{2}$ ).

Over rolling and broken badlands, thru scattering undergrowth.

Descend slightly over S. slope.

1.95 Wash, 10 lks. wide, course NE.; asc. 21 ft. over NW. slope.

13.91 Ridge, bears E. and W.; desc. 130 ft. over S. slope.

35.76 Wash, 40 lks. wide, course SE.; asc. 46 ft. over NE. slope.

41.61 Point of spur, slopes SE.; desc. 43 ft. over SE. slope.

48.00 Enter draw, course NE. from S.; asc. 17 ft. in draw to

52.50 Head of draw, course N.; asc. slightly over N. slope to

53.01 The cor. of secs. 3, 4, 9 and 10.

Land, gently rolling, broken and rolling.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, native weeds, grasses and cacti.

The continued satisfactory adjustment of Buff transit No. 18000 throughout the resurveys described in the foregoing field notes is indicated from preliminary field test of same described in the field notes of resurveys in T. 20 N., R. 23 E., and the final test of same for the resurveys of this group, described in the field notes of resurveys and surveys in T. 18 N., R. 24 E.

## GENERAL DESCRIPTION.

This township is located in the southern part of the northeastern quarter of the State of Arizona, at an elevation of 5500 ft. above sea level, in the Little Colorado River drainage basin. The surface is mainly gently rolling and broken, with scattered areas of level, nearly level, and rough rolling land. The soil is sandy, rocky and gumbo, 3rd and 4th rates.

There is no timber in the township, Scattering under-

## General Description - Continued.

10

## Chains

growth of native weeds, grasses and cacti is prevalent in all sections. There are no springs or streams of running water. Carrizo Wash, course southwesterly, entering on the E. bdy. of sec. 12 and leaving the township on the S. bdy. of sec. 33, carries the drainage of nearly all of the land in the township. Wildhorse Wash, course southerly thru the northeast quarter of the township, enters Carrizo Wash in section 23. U. S. Highway No. 66, bearing NE. and SW., crosses sections 25, 26, 33, 34 and 35. There are no other improved roads in the Tp.

The Petrified Forest National Monument embraces the northeast quarter of the Tp.

There are no settlers, and the only improvements are several fences.

There are no indications of valuable mineral deposits.

The Atchison, Topeka and Santa Fe R.R. crosses the northern part of the adjoining township to the south.

The railroad station and post office, Adanana, is about  $1\frac{1}{2}$  miles SE. from the SE. cor. of the Tp.

The town of Holbrook, Arizona, is about 15 miles southwesterly..



BOOK 4202

CERTIFICATE OF UNITED STATES SURVEYOR

I, Benjamin J. Kinsey, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 8th day of March, 1938, received from the district cadastral engineer for Arizona, with assignment instructions dated April 13, 1938, I have resurveyed part of the Subdivision Lines of Township No. 19 North, Range No. 23 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 me and under my direction; and that said re-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.

T. 10S., R. 31E., Arizona  
March 20, 1939

Benjamin J. Kinsey  
Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF the SUPERVISOR OF SURVEYS,  
Denver, Colorado, March 25, 1939.

The foregoing field notes of the resurvey of part of the Subdivision Lines of Township No. 19 North, Range No. 23 East of the Gila and Salt River Meridian, in the State of Arizona executed by Benjamin J. Kinsey, Cadastral Engineer, under special instructions dated March 8, 1938 for Group 222, Arizona, and assignment instructions dated April 13, 1938, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the re-survey therein described, are hereby approved.

Samuel Johnson  
Supervisor of Surveys.

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 on file in the public survey office.

U.S. Supervisor of Surveys.