

Book D.

BOOK 3983

# FIELD NOTES

of the

resurvey of a part of the Arizona-New Mexico State boundary from Monument 377 to Monument 382; and of the resurvey of a part of the South boundary, and resurvey and survey of a part of the subdivision lines, completing the subdivision of fractional Township 22 South, Range 32 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

Dupree R. Averill, U.S. Surveyor,

Under special instructions dated September 13, 1932, which provided for the surveys included under Group No. 173, bearing the approval of the Commissioner of the General Land Office under date of October 4, 1932, and assignment instructions dated February 13, 1933.

Survey commenced April 22, 1933.

Survey completed May 12, 1933.

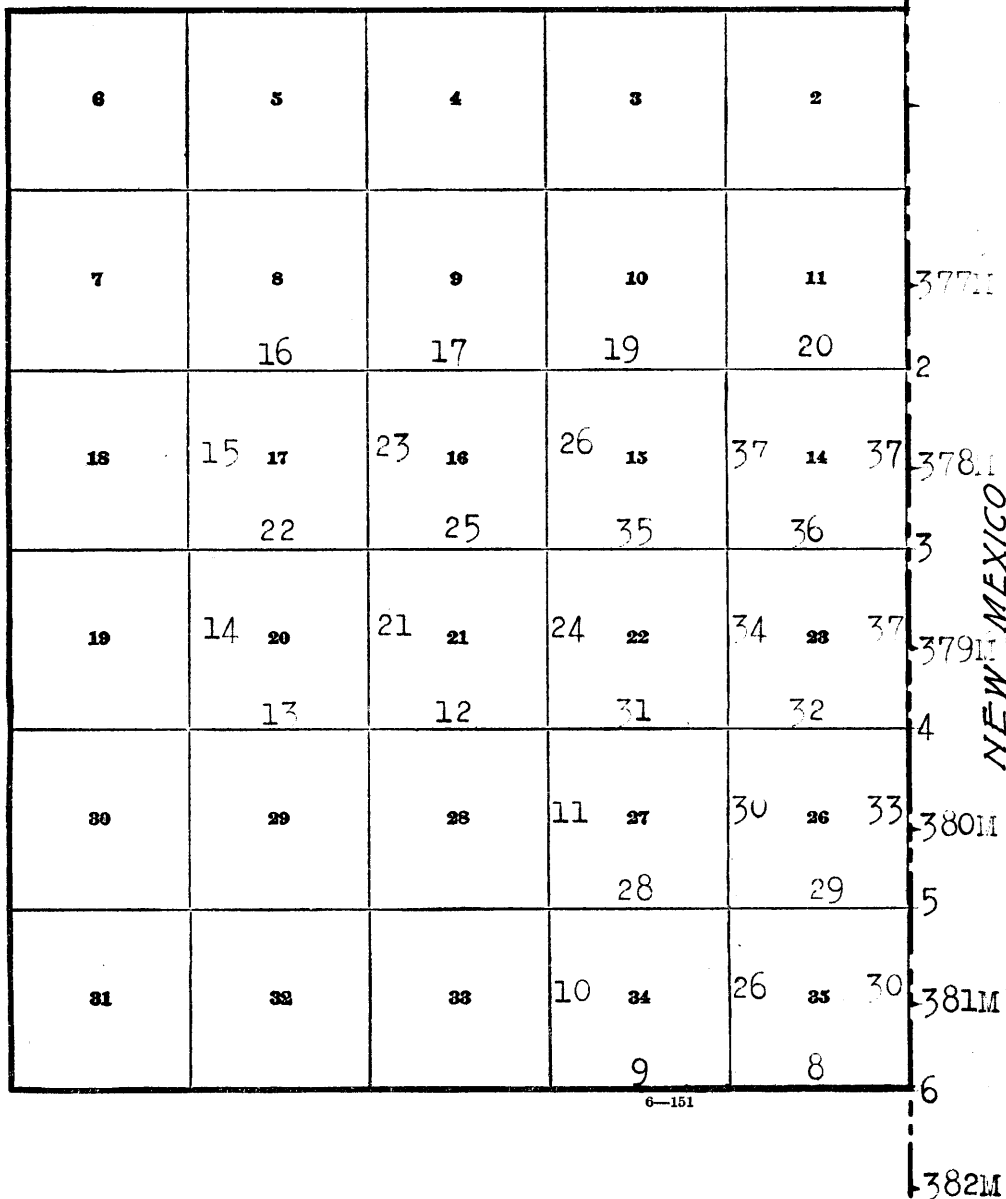
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# INDEX DIAGRAM.

Township 22 South, Range 32 East



Resurvey of a Portion of the Eastern Boundary of the

State of Arizona.

BOOK 288

The survey was executed with a light mountain transit made by Buff and Buff, Serial No.17992, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of  $4\frac{1}{2}$  ins. with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins. with one double vernier reading to single minutes; the telescope has fixed stadia wires, ratio 1:132, with a focal constant of 1.2 links. The instrument is equipped with the improved Smith solar attachment, radius of latitude arc 4 ins. and of the declination arc  $3\frac{1}{2}$  ins. each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey was approved by the district cadastral engineer February 13, 1933. All instrumental adjustments were examined before making the field tests hereinafter recorded.

The direction of all lines was determined by direct observation on the sun. Transit methods, supplemented by the solar attachment as a check in azimuth, were employed throughout the survey. The measurements were made with a Lallie steel tape 5 chs. in length, graduated every link for the first 100 links, and the balance at intervals of 10 lks. The tape was first tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval ascertained by two clinometers in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. cor. of Sec.35, T.22 S. R.32 E., G.& S.R. Meridian, Arizona, as follows: latitude  $31^{\circ}27'50''N$ . and longitude  $109^{\circ}02'59''W$ .

April 20, 1933. At camp near the center of the NE.  $\frac{1}{4}$  of sec. 27, T.22 S., R.32 E. in latitude  $31^{\circ}29'30''N$ . and longitude  $109^{\circ}04'10''W$ . make a series of observations for the determination and verification of time, latitude and azimuth to be employed on the survey as follows:

1. An altitude observation on the sun, first setting on the suns lower and right limbs, then after reversal of the instrument, setting on the suns upper and left limbs; the horizontal angles being measured from a sharply defined point on the top of the mountain about 1 mile distant:

Mean watch time of observation, p.m.	4h.	47m.	41s.
Mean vertical angle	24°	38'	50"
Mean horizontal angle, left	81°	11'	20"
Reduced bearing to reference point	N.10°	00'	10"W.
Reduced watch.fast of standard time		0m.	07s.

2. An hour angle observation on Polaris, west of the meridian, making four readings, two each with the telescope in direct and reversed positions, noting the multiple deflection angle from the reference point above defined:

Mean watch time of observation, p.m.	6h.	53m.	20s.
Mean vertical angle	31°	15'	45"
Mean horizontal angle, right	8°	48'	21"
Reduced bearing to reference point	N.10°	00'	15"W.
Reduced latitude	31°	29'	30"N.

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April 21. Every hour, from 7 to 11 a.m. and from 1 to 5 p.m. make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument when compared to the true meridian has a maximum error of less than 1' of arc.

Repeat the tests of the arcs by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

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The fragmentary survey of T.22 S., R.32 E. was executed by Wright and Elliott, U.S. Surveyors, in 1912. The Arizona-New Mexico boundary was surveyed by Chandler Robbins in 1875. A retracement thereof by Jesse B. Wright extended southerly to the 378 Mile Monument.

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From the 377 Mile Monument on the Arizona-New Mexico boundary.

South on a random line.

66.79 Fall 97 lks. W. of 378 mile monument.

Return to 377 mile monument, which is an igneous stone. 20 x 14 x 8 ins. marked 377 on the N..N.M. on the E.. 32WL on the S., and ARIZ on the W.. supported in a small mound of stone.

The monument being established on surface rock, reconstruct the supporting mound of stone  $3\frac{1}{2}$  ft. base, 1 ft. high; raise a mound of stone 3 ft. base, 2 ft. high N. thereof.

Thence

S.0°50'E. on true line on the 378th. mile.

Over rolling mountainous land, through scattered timber and undergrowth. Desc. 15 ft. over S. slope.

0.55 Ravine, course S.70°E. Asc. 50 ft. over NE. slope.

4.25 Over flat spur, sloping S.60°E.

5.25 Desc. 165 ft. over S. slope.

15.50 Draw, course S.75°E. Enter heavier growth of timber; asc. 70 ft. over NE. slope.

18.00 Small spur, slopes N.60°E. Desc. 12 ft. over SE. slope.

20.45 Gully, course NE. Asc. 30 ft. over NW. slope.

20.47 The closing cor. of secs. 11 and 14, hereinafter described, bears W. 24 lks. dist.

21.50 Small spur, slopes NE. Asc. 125 ft. over rolling N. slope.

33.50 Spur, slopes S.70°E. Desc. 80 ft. over S. slope.

40.80 Shallow draw, course S.70°E.

43.50 Small spur, slopes E.

44.30 Gully, course NE.

46.20 Wash, 10 lks. wide, course N.25°E.

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chains

Asc. 235 ft. over N. slope, through very scattered timber.

59.50 Summit of Guadalupe Mountains, divide bears E. and W. Desc. 200 ft. over S. slope.

66.43 Four strand wire fence, bears N.75°W. and S.75°E.

66.80 To 378 mile monument, which is a porphyry-granite stone 14 x 12 x 12 ins. loosely supported in a small mound of stone and earth, marked 378 on the N., NM on the E. 32WL on the S. and ARIZ on the W.

Re-set stone 10 ins. in the ground; from which

A white oak, 10 ins. diam. bears S.71¼°E. 379 lks. dist. mkd. 378 NM BT

A white oak, 17 ins. diam. bears S.14½°W. 76 lks. dist. mkd. 378 ARIZ BT

Raise a mound of stone 3½ ft. base, 3 ft. high, N. of monument.

Land, rolling mountains.  
Soil, rocky clay and gravel, 3rd. rate.  
Timber, pinon, juniper and oak.  
Undergrowth, manzanita, creosote, mahogany and cacti.

-----  
South on a random line on 379th. mile.

79.16 Fall 83 lks. W. of 379 mile monument.

Return to the 378 mile monument.

Thence

S.0°36'E. on true line on the 379th. mile.

Over mountainous land, through scattered timber and undergrowth. Desc. 6 ft. over S. slope.

0.50 Wash, 30 lks. wide, course S.70°E. Asc. 100 ft. over N. slope.

9.00 Along gentle E. slope.

13.75 Desc. 500 ft. over S. slope.

31.00 Rocky gulch, course S.30°E. Change of slope to SE.; desc. 400 ft.

35.80 Small spur, slopes SE.

45.90 Wash, 15 lks. wide, course S.20°E.

57.30 Wash, 15 lks. wide. course S.10°E.

68.10 Same wash, 25 lks. wide, course SW.

70.00 Continue descent over gentle S. slope.

79.16 To 379 mile monument. an igneous stone, 18 x 12 x 8 ins. supported in a small mound of stone, marked 379 on the N., NM on the E., 32WL on the S. and ARIZ on the W.

Re-set stone 8 ins. in the ground, and in a mound of stone 3 ft. base, 6 ins. high; from which

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chains	
	An oak, 6 ins. diam. bears S. $32\frac{1}{2}^{\circ}$ E. 87 lks. dist. mkd. 379M NM BT
	An oak, 20 ins. diam. bears S. $69\frac{1}{2}^{\circ}$ W. 2.14 chs. dist. mkd. 379M ARIZ BT
	Raise a mound of stone $3\frac{1}{2}$ ft. base, 3 ft. high, N. of monument.
	Land, rolling and broken mountains. Soil, rocky clay, 3rd. and 2nd. rate. Timber, oak and juniper. Undergrowth, very scattered oak and manzanita.
	-----
	South on a random line on the 380th. mile.
77.49	Fall 140 lks. E. of 380 mile monument.
	Return to the 379th. mile monument.
	Thence
	S. $1^{\circ}02'$ W. on true line on the 380th. mile.
	Over rolling mountainous land, through scattered timber and undergrowth. Desc. 45 ft. over gentle S. slope.
5.75	Geronimo Trail (highway) bears NE. to New Mexico and SW. to Douglas, Arizona.
5.945	Ornamental stone and concrete monument, 4 ft. square. 8 ft. high to a pyramidal top, supported on a concrete base 6 ft. square, 6 ins. high, with a bronze plate imbedded in the SE. face, marked
	Arizona - New Mexico Boundary 1932                      1933 ----- -----
	bears West
	1.075 chs. dist.
7.20	North Fork of Cottonwood Creek, in dry bed 30 lks. wide. course S. $50^{\circ}$ W.
8.00	Asc. 185 ft. over brushy NW. slope.
13.50	Top of rocky knoll bears E. 1.00 ch. dist.
14.50	Sharp spur, slopes SW. Desc. 130 ft. over SE. slope.
21.00	Gully, course SW. Desc. 70 ft. over SW. slope.
25.00	Flat spur, slopes SW.
27.40	Wash. 40 lks. wide, course N. $75^{\circ}$ W. Asc. 250 ft. over N. slope.
35.50	Change of slope to E.; small spur, slopes NE.
36.00	Cross shoulder of small ridge, from SE. Desc. 40 ft. over SW. slope.
38.00	Change of slope to NW.; asc. 100 ft.
45.00	Change of slope to W.

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chains	
47.00	Spur, slopes SW. Desc. 350 ft. over SE. slope.
48.50	Head of gully, course SE.
62.00	Draw, course W. Asc. 130 ft. over N. slope.
67.50	Rocky spur, slopes N.70°W. Over broken W. slope.
71.00	Gully, course W.
76.00	Short spur, slopes W.
77.50	To 380 mile monument, which is a porphyry-sandstone, firmly set, 20 x 20 x 9 ins. above ground, marked 380 on the N., NM on the E., illegible on the S., and ARIZ on the W.  Construct a mound of stone 4 ft. base, 6 ins. high. around monument; from which  A chihuahua pine, 7 ins. diam. bears S.36°E. 75 lks. dist mkd. 380M NM BT  A chihuahua pine, 6 ins. diam. bears N.55°W. 37 lks. dist mkd. 380M ARIZ BT  Raise a mound of stone 4 ft. base, 3 ft. high. N. of monument.  Land, broken hills and mountains. Soil, rocky 3rd. rate. Timber, oak, pine and juniper. Undergrowth, manzanita, oak and creosote.
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	South on a random line on the 381st. mile.
78.94	Fall 165 lks. W. of the 381st. mile monument. Return to the 380th. mile monument. Thence S.1°12'E. on the 381st. mile. Over rolling and broken land, through scattered timber and dense undergrowth. Desc. 15 ft. over SW. slope.
1.20	Gully, 10 lks. wide, course NW. Asc. 25 ft. over N. slope.
2.60	Low divide. bears E. and W. Desc. 75 ft.
7.00	Gully, course SW.
8.50	Spur, slopes S.60°W.
10.20	Gully, course W.
12.35	Spur, slopes N.60°W.
15.00	Gully, course W.
16.70	Spur, slopes W.
19.30	Gulch, 30 lks. wide, course W. Asc. 110 ft. over NW. slope.

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chains	
23.00	Top of low rocky knoll.
24.50	Desc. 140 ft. over broken S. slope.
29.00	Gully, 15 lks. wide, course W.
31.00	Low flat spur, slopes SW.
41.50	Gully, 20 lks. wide, course W. Asc. 110 ft. over broken N. slope.
43.50	Gully, course W.
47.00	Gully, course NW.
59.00	Broad flat spur, slopes N.20°W. Along W. slope.
64.00	Draw, 40 lks. wide, course NW. Asc. 160 ft. over N. slope.
75.00	Change of slope to NW.; asc. 110 ft.
78.96	To 381 mile monument, which is an igneous stone, 18 x 13 x 10 ins. supported in a mound of stone, marked 381 on the N. NM on the E. 32WL on the S. and ARIZ on the W.  Re-set monument 12 ins. in the ground. and in a small supporting mound of stone.; from which  An oak, 8 ins. diam. bears S.17½°E. 57 lks. dist. mkd. 381M NM BT  An oak, 6 ins. diam. bears S.52°W. 52 lks. dist. mkd. 381M ARIZ BT  Raise a mound of stone 4 ft. base, 3 ft. high. N. of monument.  Land, rolling and broken hills. Soil, rocky and gravelly gumbo, 3rd. rate. Timber, scattered pine and oak. Undergrowth, manzanita, oak and creosote.  -----  South on a random line on the 382nd. mile.  79.49 Fall 12 lks. W. of the 382nd. mile monument.  Return to the 381st. mile monument.  Thence  S.0°05'E. on true line on 382nd. mile.  Over mountainous land, through scattered timber and undergrowth.  Asc. 80 ft. over NW. slope.  3.20 Change of slope to N.; asc. 40 ft.  5.00 Spur, slopes N.60°E.  5.75 Desc. 105 ft. over SE. slope.  13.20 Draw, course NE. Asc. 250 ft. over NW. slope.  20.80 Shoulder of spur from SE., slopes steeply NW.



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chains

- 25.70 Summit of divide, in shallow saddle, bears E. and W. Desc. 240 ft. over broken S. slope.
- 38.10 Draw, course W.
- 39.10 The closing cor. of Ts.22 & 23 S.,R.32 E. hereinafter described, bears West 2 lks. dist.  
Asc. 50 ft. over NW. slope.
- 39.40 Drain, course NW.
- 45.00 Spur, extends W. Desc. 95 ft. over S. slope.
- 48.75 Blunt, rocky spur, slopes SW.
- 50.40 Gulch, 20 lks. wide, course S.70°W. Asc. 45 ft. over NW. slope.
- 55.50 Along W. slope.
- 60.25 Change of slope to SW.; desc. 65 ft.
- 69.00 Flat spur, slopes N.70°W.
- 70.40 Shallow draw, 30 lks. wide, course NW. Asc. 175 ft. over NE. slope.
- 79.49 To 382 mile monument, which is a porphyry-sandstone, firmly set, 30 x 24 x 13 ins. above ground, marked 382 on the N., NM on the E., 32WL on the S. and ARIZ on the W.  
  
Raise a mound of stone 3 ft. base, 3 ft. high, N. of monument.  
  
Land, rolling mountains.  
Soil, rocky. 3rd. rate.  
Timber, scattered oak and pinon.  
Undergrowth, manzanita, oak and creosote.

Resurvey of Part of the South Boundary

T.22 S.,R.32 E.

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- From the cor. of secs. 3,4,33 and 34. on the S. bdy. of the Tp.
- East on a random line bet.secs. 3 and 34.
- 39.88 Intersect  $\frac{1}{4}$  sec. cor.
- 79.80 Intersect the cor. of secs. 2,3,34 and 35.  
Thence
- East on a random line bet.secs. 2 and 35.
- 40.08 Intersect  $\frac{1}{4}$  sec. cor.
- 71.76 Intersect the closing cor. of Ts.22 & 23 S.,R.32 E., which is an iron post, 3 ins. diam. 34 ins. above ground, supported in a small mound of stone, marked and witnessed as described in the official record.
- 71.78 Intersect the Arizona-New Mexico boundary, at a point

## Resurvey of Part of the South Boundary

T.22 S.,R.32 E.

chains

S.0°05'E.. 39.10 chs. dist. from the 381st. mile monument, hereinbefore described.

Remove the iron post, and at point of intersection re-set same, 20 ins. in the ground, to bedrock, and in a mound of stone 4 ft. base, 16 ins. high. for the closing cor. of Ts. 22 & 23 S.,R.32 E.

From which

The original bearing tree

A juniper, 14 ins. diam. bears S.42½°W. 175 lks. dist.  
mkd. CC T23S R32E S2 BT

Thence

West on true line bet.secs. 2 and 35.

Over mountainous land, through scattered timber and undergrowth. Along S. side of draw, course W.

1.25 Cross wash, 20 lks. wide, course S.65°W. Asc. 95 ft. over SE. slope.

8.55 Drain, 5 lks. wide, course S.10°E.

14.15 Change of slope to SW.; desc. 70 ft.

18.30 Gulch, course S.20°E. Asc. 110 ft. over E. slope.

20.25 Change of slope to NE.; asc. 20 ft. over broad spur. extending S.

26.35 Desc. 40 ft. over W. slope.

29.20 Head of drain, course SW.; along S. slope.

31.70 To ¼ sec. cor.. which is an iron post. 1 in. diam..properly marked on brass cap, supported in a dilapidated mound of stone.

Re-set post, 6 ins. in the ground, and in a mound of stone, 4 ft. base, 2½ ft. high.; from which

The original bearing trees

An oak, 6 ins. diam. bears N.23½°W. 24 lks. dist. blaze overgrown,-not remarked.

An oak limb, 8 ins. diam. bears S.83½°W. 77 lks. dist. blaze overgrown,- not remarked.

Desc. 20 ft. over SW. slope.

32.75 Gully, course S.10°E. Asc. 145 ft. over SE. slope.

41.40 Spur, slopes S. Desc. 145 ft. over SW. slope.

49.70 Gulch, course S. Asc. 125 ft. over SE. slope.

58.40 Broad spur, slopes SW. Along S. slope.

61.10 Desc. 100 ft. over broken SW. slope.

65.00 Head of gulch, course NW. Change of slope to NW.;desc. 145 ft.

71.78 To the cor. of secs. 2,3,34 and 35, which is an iron post, 3 ins. diam. 30 ins. above ground, supported in

Resurvey of Part of the South Boundary

T.22 S.,R.32 E.

BOOK 8083

chains

a dilapidated mound of stone.

Re-set post, 18 ins. in the ground, to bedrock, and in a mound of stone 4 ft. base, 18 ins. high. ; from which

The original bearing tree

An oak, 12 ins. diam. bears N.37½°W. 74 lks. dist. blaze overgrown,- not remarked.

Land, rolling mountains.

Soil, rocky, 3rd. rate.

Timber, oak, juniper and pinon.

Undergrowth, manzanita, oak, mahogany and cacti.

-----  
West on true line bet.secs. 3 and 34.

Over mountainous land, through scattered timber and undergrowth.

Desc. 35 ft. over NW. slope.

1.95 Gulch, 25 lks. wide, course SW. Desc. 125 ft. over SW. slope.

21.20 Spur, slopes S.70°W. Along N. slope.

34.75 Small spur, slopes N.20°W. Desc. 85 ft. over broken NW. slope.

39.92 To ¼ sec. cor., which is an iron post, 1 in. diam.. properly marked on brass cap, supported in a small mound of stone.

Re-set post, 18 ins. in the ground, to bedrock, and in a mound of stone 3 ft. base, 1½ ft. high,; from which

The original bearing trees

An oak, 26 ins. diam. bears N.89°E. 160 lks. dist. blaze overgrown,- not remarked.

An oak, 10 ins. diam. bears S.85°E. 98 lks. dist. blaze overgrown,-not remarked.

Desc. 350 ft. over NW. slope.

44.80 Gully, course N.

47.20 Small spur, slopes N.20°W.

60.30 Draw, 60 lks. wide, course SW. Asc. 50 ft. over SE.slope.

65.60 Broad spur, slopes S. Desc. 105 ft. over SW. slope.

73.50 South Fork of Cottonwood Creek, in dry bed, 60 lks. wide. course NW. Asc. 155 ft. over broken E. slope.

79.80 The cor. of secs. 3,4,33 and 34, which is an iron post. 3 ins. diam. properly marked on brass cap, partially supported in a small mound of stone.

Re-set post 12 ins. in the ground, to bedrock, and in a mound of stone 5 ft. base, 2 ft. high,; from which

The original bearing trees

An oak, 15 ins. diam. bears N.89¼°E. 321 lks. dist.

## Resurvey of Part of the Subdivisions

T.22 S., R.32 E.

chains

blaze overgrown,- not remarked.

An oak, 18 ins. diam. bears S.87 $\frac{1}{4}$ °E. 2.50 chs. dist.  
blaze overgrown,- not remarked.

Land, broken and rolling mountains.

Soil, rocky, 3rd. rate.

Timber, oak, juniper and pine.

Undergrowth, oak, mahogany, mesquite and cacti.

-----  
North on a random line bet.secs. 33 and 34.40.18 Fall 3 lks. E. of  $\frac{1}{4}$  sec. cor.

80.18 Fall 6 lks. E. of the cor. of secs. 27,28,33 and 34.

Return to the cor. of secs. 3,4,33 and 34.

Thence

N.0°03'W. on true line bet.secs. 33 and 34.

Over rolling and broken mountains, through scattered  
timber. Along E. slope.

2.40 Blunt spur, slopes E. Desc. 180 ft. over NE. slope.

10.00 South Fork of  
Cottonwood Creek, in dry bed, 60 lks. wide, course NW.  
Asc. 75 ft.

18.15 Change of slope to NW.; desc. 75 ft.

21.30 Gulch, course W. Asc. 60 ft.

24.60 Small spur, slopes SW.

27.50 Head of gully, course S.20°W. Asc. 190 ft. over S. slope.

35.20 Over flat spur, from NE.

38.20 Desc. 65 ft. over broken bluffs, bearing NE. and SW.

40.18 To  $\frac{1}{4}$  sec. cor. which is an iron post, properly marked on  
brass cap. lying in a small mound of stone.Re-set post, on bedrock, supported in a mound of stone  
4 ft. base, 3 ft. high.; from which

The original bearing trees

An oak, 12 ins. diam. bears N.43 $\frac{1}{2}$ °E. 72 lks. dist.  
blaze overgrown,- not remarked.An oak, 9 ins. diam. bears S.22 $\frac{1}{2}$ °W. 90 lks. dist.  
blaze overgrown,- not remarked.

Desc. 120 ft. over broken NW. slope.

46.90 Wash, 15 lks. wide, course SW. Asc. 10 ft. over gentle  
SW. slope.

50.45 Wash, 30 lks. wide, course SW. Asc. 115 ft. over S.slope.

58.00 Change of slope to E.

65.20 Cross W. side of saddle in spur, extending S.70°W. Desc.  
30 ft. over NW. slope.

## Resurvey of Part of the Subdivisions

T.22 S., R.32 E.

BOOK 8800

chains	
72.10	Small spur, slopes W.
75.10	Gully, course S.70°W. Asc. 105 ft. over S. slope.
80.18	The cor. of secs. 27, 28, 33 and 34. which is an iron post. 2 ins. diam. properly marked on brass cap, supported in a small mound of stone.  Re-set post, on bedrock, supported in a mound of stone 5 ft. base, 3 ft. high.  Land, broken and rolling mountains. Soil, rocky, 3rd. rate. Timber, oak, juniper and pine. Undergrowth, oak, mahogany, creosote and cacti.
	-----
	North on a random line bet. secs. 27 and 28.
39.90	Fall 5 lks. W. of $\frac{1}{4}$ sec. cor.
79.70	Fall 1 lk. W. of the cor. of secs. 21, 22, 27, and 28. Return to the cor. of secs. 27, 28, 33 and 34.
	Thence
	N.0°04'E. bet. secs. 27 and 28. Over mountainous land, through scattered timber. Asc. 20 ft. over gentle S. slope.
2.20	Spur, extends S.80°W. Desc. 135 ft. over NW. slope.
12.65	Gulch, 25 lks. wide, course W. Asc. 220 ft. over SW. slope.
21.75	Sharp spur, slopes W. Desc. broken, rocky NW. slope 340 ft.
32.00	Geronimo Trail bears W. to Douglas and E. to New Mexico.
33.00	Cottonwood Creek, in dry rocky bed, 60 lks. wide. course W.  Asc. 90 ft. over S. slope.
39.90	To $\frac{1}{4}$ sec. cor. which is an iron post, 1 in. diam. properly marked on brass cap, supported in a small mound of stone.  Re-set post, 28 ins. in the ground,; from which  An oak, 11 ins. diam. bears S.79°E. 114 lks. dist. mkd. $\frac{1}{4}$ S27 BT  An oak, 9 ins. diam. bears N.82°W. 286 lks. dist. mkd. $\frac{1}{4}$ S28 BT  Thence N.0°03'W. on true line bet. secs. 27 and 28. Asc. 150 ft. over a gently increasing S. slope.
12.00	Change to SE. slope,; asc. 85 ft.

## Resurvey of Part of the Subdivisions

T.22-S.,R.32 E.

chains	
21.25	Spur, slopes SW, to S. Asc. 415 ft. over SW. slope.
28.00	Westerly base of sedimentary bluffs, about 50 ft. high, extending E. about 2 chs. dist.
31.30	Gully, course SW.
39.00	Base of sedimentary bluffs, bearing NE. and W.
39.80	The cor. of secs. 21,22,27, and 28, which is an iron post, 2 ins. diam. properly marked on brass cap, supported in crevice of sloping ledge by a small mound of stone.  Re-set post, 30 ins. in crevice, completely filled with rubble and stone; from which  An oak, 12 ins. diam. bears N.51 $\frac{1}{2}$ °E. 45 lks. dist. mkd. T22S R32E S22 BT  An oak, 16 ins. diam. bears S.63 $\frac{1}{2}$ °E. 83 lks. dist. mkd. T22S R32E S27 BT  A tripple oak, 16 ins. diam. bears S.10 $\frac{1}{2}$ °W. 90 lks. dist. mkd. T22S R32E S28 BT  An oak, 8 ins. diam. bears N.62 $\frac{1}{2}$ °W. 174 lks. dist. mkd. T22S R32E S21 BT  Land, rolling and broken mountains. Soil, rocky, 3rd. rate. Timber, Scattered oak, pinon and juniper. Undergrowth, oak, manzanita, creosote and cacti.  ----- West on a random line bet. secs. 21 and 28.
39.39	Fall 69 lks. S. of $\frac{1}{4}$ sec. cor.
79.52	Fall 27 lks. S. of the cor. of secs. 20,21,28, and 29.  Return to the cor. of secs. 21,22,27, and 28.  Thence  N.89°00'W. on true line bet. secs. 21 and 28.  Over mountainous land, through scattered timber. Asc. 10 ft. over ledge of bluff.
0.25	Narrow ledge of bluff, extends S. 10 lks. Desc. 150 ft. over broken SW. slope.
8.00	Drain, course SW.
18.50	Spur, slopes S.30°W. Desc. 250 ft. over NW. slope.
27.00	Gully, course SW. Along S. slope.
31.50	Spur, slopes SW. Desc. 190 ft. over W. slope.
38.00	Foot of slope, and enter canyon bottom, course S.20°W.
39.40	To $\frac{1}{4}$ sec. cor. which is an iron post, 1 in. diam. 30 ins. above ground, supported in a small mound of stone.  This cor. now refers to sec. 28 only. and will also function as a witness $\frac{1}{4}$ sec. cor. for sec. 21.

Resurvey of Part of the Subdivisions

T.22 S., R.32 E.

BOOK 2023

chains

Re-set post, 16 ins. in the ground, to bedrock. and in a mound of stone, 4 ft. base, 20 ins. high, alter markings on brass cap to

WC 1/4 S21

1/4 S28

1933  
1912

from which

the original bearing trees

An oak, 18 ins. diam. bears N.73°W. 34 lks. dist. blaze overgrown,- remark tree 1/4 S21 WC BT

An oak, 8 ins. diam. bears S.5°W. 41 lks. dist. blaze overgrown,- not remarked.

Thence

S.89°24'W on true line bet.secs. 21 and 28.

0.37 True point for 1/4 sec. cor. of sec. 21; falls upon sloping margin of canyon wash, an insecure position for cor. monumentation. This point is midway in departure between the SE and SW cors.of sec 21.

0.75 Wash, 50 lks. wide, course S. Asc. 310 ft. over precipitous E. slope.

10.10 Sharp spur, slopes S. Desc. 80 ft. over SW. slope.

16.00 Draw, course SE. Asc. 400 ft. over rolling NE. slope.

30.10 Four strand wire fencing, bears N.15°W. and S.15°E.

30.90 Top of steep ascent; ascend 30 ft. over rolling bench land,- broad spur slopes S.

40.13 The cor. of secs. 20,21,28 and 29, which is an iron post, 2 ins. in diam. 30 ins. above ground, properly marked on brass cap.

Re-set post, 18 ins. in the ground, with a stone 12 x 8 x 6 ins. marked with a cross deposited alongside, and in a mound of stone to top.

Land, rolling and broken mountains.  
Soil, rocky gumbo, 3rd. rate.  
Timber, scattered oak.  
Undergrowth, cacti.

-----  
West on a random line bet.secs. 20 and 29.

40.05 Fall 6 lks. S. of 1/4 sec. cor.

80.15 Fall 6 lks. S. of the cor. of secs. 19,20,29, and 30.

Return to the cor. of secs. 20,21,28, and 29.

Thence

N.89°55'W. on true line bet.secs. 20 and 29.

Over rolling mountainous land, through scattered undergrowth.

## Resurvey of Part of the Subdivisions

T.22 S.,R.32 E.

chains

- Asc. 20 ft. over gently rolling S. slope.
- 7.60 Head of gully, course S.
- 19.35 Desc. 430 ft. over broken SW. slope.
- 35.00 Short blunt spur, slopes S.30°W.
- 36.50 Short rocky spur, slopes N.70°W.
- 40.05 To  $\frac{1}{4}$  sec. cor., which is an iron post, 1 in. diam. properly marked on brass cap, supported in a small mound of stone, in crevice of broken ledge.
- Re-set post, 12 ins. in crevice, with a stone 10 x 7 x 5 ins. marked with a cross deposited alongside, and in a mound of stone  $3\frac{1}{2}$  ft. base, 2 ft. high.
- Thence
- West on true line bet.secs. 20 and 29. Desc. precipitously over point of spur.
- 2.50 Gulch, 90 ft. below  $\frac{1}{4}$  sec. cor., course SW. Asc. 65 ft. over SE. slope.
- 14.10 Short spur, slopes S.15°W. Desc. 90 ft. over SW. slope.
- 20.00 Head of drain, course S. Asc. 100 ft. over SE. slope.
- 35.50 Flat spur, slopes SW. Desc. 85 ft. over SW. slope.
- 40.10 The cor. of secs. 19,20,29, and 30, which is an iron post, 2 ins. diam. properly marked on brass cap, supported in a dilapidated mound of stone.
- Re-set post, 18 ins. in the ground, to bedrock, with a stone, 14 x 10 x 5 ins. marked with a cross deposited alongside, and in a mound of stone to top.
- Land, rolling and broken mountains.  
Soil, rocky, 3rd. and 4th. rate.  
No timber.  
Undergrowth, cacti.
- 
- North on a random line bet.secs. 19 and 20.
- 40.12 Fall 22 lks. W. of  $\frac{1}{4}$  sec. cor.
- 80.17 Fall 37 lks. W. of the cor. of secs. 17,18,19, and 20.
- Return to the cor. of secs. 19,20,29, and 30.
- Thence
- N.0°19'E. on true line bet.secs. 19 and 20.
- Over broken and mountainous land, through scattered undergrowth. Asc. 10 ft. over SW. slope.
- 1.50 Over W. slope.
- 3.60 Desc. 265 ft. over NW. slope.
- 14.15 Draw, 25 lks. wide, course W. Asc. 245 ft. over SW.slope.
- 26.80 Spur, slopes W.; along W. slope.



Resurvey of Part of the Subdivisions

T.22 S.,R.32 E.

BOOK 886

chains	
27.50	Desc. 250 ft. over N. slope.
39.00	Draw, 30 lks. wide, course W. Asc. 15 ft. over S. slope.
40.12	To $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. diam. properly marked on brass cap, 24 ins. above ground.  Re-set post, 30 ins. in the ground; from which  A twin oak, 9 ins. diam. bears S.36 $\frac{1}{2}$ °E. 151 lks. dist. mkd. $\frac{1}{4}$ S 20 BT  An oak, 14 ins. diam. bears S.19 $\frac{1}{2}$ °W. 258 lks. dist. mkd. $\frac{1}{4}$ S 19 BT  Thence  N.0°13'E. on true line bet.secs. 19 and 20.  Asc. 315 ft. over SW. slope.
13.70	Spur, slopes W. Desc. 310 ft. over N. slope.
35.75	Foot of slope; wash, 25 lks. wide, course W.
39.65	Wash, 25 lks. wide, course S.80°W.
40.05	The cor. of secs. 17,18,19, and 20. which is an iron post. 2 ins. diam. properly marked on brass cap, supported in a dilapidated mound of stone.  Re-set post, 24 ins. in the ground, to bedrock, and in a mound of stone to top; raise a mound of stone 4 ft. base, 3 ft. high, W. of cor.  Four strand wire fencing, bears S.71°E. and West.  Land, broken mountains. Soil, rocky. volcanic scoria, 3rd. and 4th. rate. Timber, very scattered oak. Undergrowth, cacti and grasses.
	-----
	North on a random line bet.secs. 17 and 18.
40.08	Fall 15 lks. W. of $\frac{1}{4}$ sec. cor.
80.14	Fall 12 lks. W. of the cor. of secs. 7,8,17 and 18.
	Return to the cor. of secs. 17,18,19, and 20.  Thence  N.0°13'E. on true line bet.secs. 17 and 18.  Over rolling mountainous land, through very scattered undergrowth. Asc. 345 ft. over gently increasing S. slope.
6.90	Drain, course SW.
20.75	Four strand wire fence, bears NE. and SW.
25.80	Spur, slopes S.70°W. Desc. 150 ft. over NW. slope.
39.00	Gully, 10 lks. wide, course S.70°W. Asc. 20 ft.

## Resurvey of Part of the Subdivisions

T.22 S., R.32 E.

chains

- 40.08 To  $\frac{1}{4}$  sec. cor., which is an iron post, 1 in. diam. properly marked on brass cap, partially supported in a small mound of stone.
- Re-set post, 26 ins. in the ground; raise a mound of stone  $3\frac{1}{2}$  ft. base, 3 ft. high, W. of cor.
- Thence
- N.0°02'W. on true line bet.secs. 17 and 18.
- Asc. 440 ft. over rolling SW. slope.
- 8.45 Four strand wire fence, bears N.52°W. and S.52°E.
- 14.10 Spur, slopes S.80°W.
- 26.25 Head of ravine, course W.
- 30.30 Spur, slopes W. Desc. 275 ft. over NW. slope.
- 40.06 The cor. of secs. 7,8,17, and 18. which is an iron post, 2 ins. diam. properly marked on brass cap, supported in a small mound of stone.
- Re-set post, 6 ins. in the ground, to bedrock, with a stone 14 x 8 x 6 ins. marked with a cross, and in a mound of stone, 5 ft. base,  $2\frac{1}{2}$  ft. high.
- Land, rolling mountains.  
Soil, rocky, lava scoria, 3rd. and 4th. rate.  
Timber, very scattered oak in S.  $\frac{1}{2}$  mile.  
Undergrowth, cacti and grasses.
- 
- East on a random line bet.secs. 8 and 17.
- 39.80 Intersect  $\frac{1}{4}$  sec. cor.
- 79.70 Fall 7 lks. N. of the cor. of secs. 8,9,16, and 17.
- Return to the cor. of secs. 7,8,17, and 18.
- Thence
- East on true line bet.secs. 8 and 17.
- Over mountainous land, through scattered undergrowth.
- 0.10 Gully, course NW. Asc. 40 ft. over W. slope.
- 1.30 Short spur, extends N.70°W. Asc. 30 ft. over N. slope.
- 5.00 Draw, 30 lks. wide, course N.70°W. Asc. 520 ft. over an increasing W. slope.
- 22.20 Top of broken ledge of rimrock, bears SE. and N. Over flat spur, extending N.
- 23.20 Desc. 230 ft. over E. slope.
- 30.00 Draw, course N.10°E, from SE. Asc. 190 ft. over NW.slope.
- 35.50 Change of slope to W.; asc. 85 ft.
- 39.80 To  $\frac{1}{4}$  sec. cor., which is an iron post, 1 in. diam. properly marked on brass cap, supported in a dilapidated mound of stone.

Resurvey of Part of the Subdivisions

T.22 S.,R.32 E.

BOOK 3983

chains

Re-set post, 16 ins. in the ground, to bedrock, and in a mound of stone to top, from which

The original bearing trees

A twin oak, 10 ins. diam. bears N.33°E. 25 lks. dist. blaze overgrown,- not remarked.

An oak, 9 ins. diam. bears S.85°W. 22 lks. dist. blaze overgrown,- not remarked.

Thence

S.89°54'E. on true line bet.secs. 8 and 17.

Asc. 25 ft. over W. slope, through scattered timber.

0.90 Top of low broken rimrock, bearing SE. and NW. Over gently rolling NW. slope; asc. 80 ft.

20.50 Divide, bears N. and S. Over N. slope.

25.40 Four strand wire fence, bears. N. and S.

26.90 Head of drain, course N.

32.80 Flat spur, slopes NE. Desc. 150 ft. over E. slope.

39.90 The cor. of secs. 8,9,16, and 17, which is an iron post. 2 ins. diam. properly marked on brass cap, supported in a small mound of stone.

Re-set post, 30 ins. in the ground; from which

An oak, 7 ins. diam. bears N.21°E. 77 lks. dist. mkd. T22S R32E S9 BT

An oak, 8 ins. diam. bears S.24½°E. 85 lks. dist. mkd. T22S R32E S16 BT

An oak, 9 ins. diam. bears S.82½°W. 36 lks. dist. mkd. T22S R32E S17 BT

A twin oak, 6 ins. diam. bears N.49½°W. 136 lks. dist. mkd. T22S R32E S8 BT

Land, rolling and broken mountains.

Soil, rocky, 3rd. and 4th. rate.

Timber; scattered oak and juniper in E. ½ mile.

Undergrowth, cacti, oak and mahogany.

-----  
East on a random line bet.secs. 9 and 16.

40.00 Fall 1 lk. S. of ¼ sec. cor.

80.14 Fall 17 lks. S. of the cor. of secs. 9,10,15, and 16.

Return to the cor. of secs. 8,9,16, and 17.

N.89°59'E. on true line bet.secs. 9 and 16.

Over rolling mountainous land, through scattered timber and undergrowth. Desc. 130 ft. over E. slope.

7.25 Confluence of two gulches, from SE. and SW., course N. Asc. 230 ft. over W. slope.

20.80 Ridge, bears N. and S.

## Resurvey of Part of the Subdivisions

T.22 S.,R.32 E.

chains	
22.30	Desc. 55 ft. over NE. slope.
25.70	Head of gulch, course NE. Asc. 45 ft.
34.50	Spur, slopes N. Desc. 85 ft. over NE. slope.
40.00	To $\frac{1}{4}$ sec. cor.. which is an iron post, 1 in. diam. properly marked on brass cap, supported in a dilapidated mound of stone.
	Re-set post, 30 ins. in the ground.; from which
	An oak, 12 ins. diam. bears N.66 $\frac{1}{2}$ °E. 140 lks. dist. mkd. $\frac{1}{4}$ S9 BT
	An oak, 7 ins. diam. bears S.9°E. 62 lks. dist. mkd. $\frac{1}{4}$ S16 BT
	Thence
	N.89°46'E. on true line bet.secs. 9 and 16. Along N. slope.
3.65	Small spur, slopes N.60°E. Desc. 90 ft. over E. slope.
6.75	Gulch, course N.15°W. Asc. 145 ft. over W. slope.
18.90	Flat ridge, bears N. and S.
20.40	Desc. 55 ft. over SE. slope.
29.00	Along flat spur, sloping E.; desc. 50 ft.
39.00	Leave spur, slopes NE. Desc. 6 ft.
40.14	The cor. of secs. 9,10,15, and 16, which is an iron post. 2 ins. diam. properly marked on brass cap, supported in a small mound of stone.
	Re-set post, 18 ins. in the ground, to bedrock, and in a mound of stone, 5 ft. base, 1 $\frac{1}{2}$ ft. high.; from which
	A twin oak. 8 ins. diam. bears N.13 $\frac{1}{2}$ °E. 98 lks. dist. mkd. T22S R32E S10 BT
	An oak, 10 ins. diam. bears S.17°E. 126 lks. dist. mkd. T22S R32E S15 BT
	An oak, 6 ins. diam. bears S.36°W. 64 lks. dist. mkd. T22S R32E S16 BT
	A twin oak, 7 ins. diam. bears N.43°W. 41 lks. dist. mkd. T22S R32E S9 BT
	Land, rolling and broken mountain. Soil, rocky, 3rd. rate. Timber, oak and juniper. Undergrowth, oak, mahogany and cacti.
	-----
	East on a random line bet.secs. 10 and 15.
39.39	Fall 35 lks. S. of $\frac{1}{4}$ sec. cor.

Resurvey of Part of the Subdivisions

T.22 S.,R.32 E.

BOOK 398

chains

79.51 Fall 27 lks. S. of the cor. of secs. 10,11,14, and 15.

Return to the cor. of secs. 9,10,15, and 16.

Thence

N.89°30'E. on true line bet.secs. 10 and 15.

Over broken mountainous land, through scattered timber and undergrowth. Desc. 300 ft. over precipitous E.slope.

12.00 Draw, 40 lks. wide, course N.15°E. Asc. 350 ft. over W. slope.

23.50 Rocky spur, slopes N. Desc. precipitous E. slope 350 ft.

30.00 Canyon, 50 lks. wide, course N. Asc. 250 ft. over W. slope.

39.39 To 1/4 sec. cor., which is an iron post, 1 in. diam. properly marked on brass cap, supported in a small mound of stone.

This cor. now refers to sec. 10 only, and further functions as a witness 1/4 sec. cor. for sec. 15.

Re-set post, 14 ins. in the ground, to bedrock, with a stone 12 x 6 x 4 ins. marked with a cross deposited alongside, and in a mound of stone 4 ft. base, 20 ins. high; alter markings on brass cap to

1/4 S 10  
1/4 S 15 WC  
1933  
1912

Thence

S.89°53'E. on true line bet.secs. 10 and 15. Asc. 50 ft. over broken cliffs.

0.36 True point for 1/4 sec. cor. of sec. 15 falls upon face of granite bluff. This point is midway between the NE and NW cors.of sec 15.

1.20 Rocky spur, extends N. Desc. 275 ft. over E. slope.

9.10 Draw, 30 lks. wide, course N. Asc. 265 ft. over W. slope.

16.00 Spur, slopes N. Desc. 310 ft. over E. slope.

26.20 Canyon, 40 lks. wide, course N., Asc. 520 ft. over W. slope.

39.90 Rocky ridge, extends N. Desc. 10 ft.

40.12 The cor. of secs. 10,11,14, and 15, which is an iron post, 2 ins. diam.. properly marked on brass cap, supported in a small mound of stone.

Re-set post. 24 ins. in the ground. against small granite ledge, supported in a mound of stone 4 ft. base, 1 ft. high.; from which

An oak, 9 ins. diam. bears S.15 1/2°E. 86 lks. dist.. mkd. T22S R32E S14 BT

## Resurvey of Part of the Subdivisions

T.22 S., R.32 E.

chains

A pinon, 4 ins. diam. bears N.4°E. 116 lks. dist.  
mkd. BT

Land, broken mountains.  
Soil, rocky, 4th. rate.  
Timber, oak, juniper and pinon.  
Undergrowth, manzanita, mahogany, oak and cacti.

-----  
East on a random line bet.secs. 11 and 14.

39.76 Fall 13 lks. N. of  $\frac{1}{4}$  sec. cor.

69.56 Fall 26 lks. N. of closing cor. of secs. 11 and 14.

Return to the cor. of secs. 10,11,14 and 15.

Thence

S.89°49'E. on true line bet. secs. 11 and 14.

Over mountainous land, through scattered timber and undergrowth. Desc. 390 ft. over E. slope.

12.50 Draw, 50 lks. wide, course N., Asc. 500 ft. over W. slope

16.25 Short spur, slopes NW.

17.65 Gully, course NW.

31.00 Spur, slopes NW. Along N. slope through dense pine timber.

35.00 Change of slope to NE.; desc. 100 ft.

39.76 To  $\frac{1}{4}$  sec. cor., which is an iron post, 1 in. diam., properly marked on brass cap. 20 ins. above ground.

Re-set post, 18 ins. in the ground, to bedrock. and in a mound of stone 4 ft. base,  $1\frac{1}{2}$  ft. high.; from which

The original bearing trees

A pinon, 10 ins. diam. bears N.81°E. 21 lks. dist.  
mkd.  $\frac{1}{4}$  S 11 BT

A pinon, 7 ins. diam. bears S.42°W. 30 lks. dist.  
mkd.  $\frac{1}{4}$  S 14 BT

Thence

S.89°45'E. on true line bet.secs. 11 and 14.

4.50 Gulch, 15 lks. wide, course NW. Asc. 280 ft. over SW. slope, through very scattered timber.

14.30 Across top of flat ridge, extending N.

15.75 Desc. 55 ft. over gentle NE. slope.

20.10 Gully, course N.20°E. Asc. 50 ft. over W. slope.

23.40 Spur, slopes N.

24.50 Desc. 75 ft. over rolling E. slope.

29.80 The closing cor. of secs. 11 and 14, which is an iron post, 2 ins. diam., marked and witnessed as described in

Resurvey of Part of the Subdivisions

T.22 S.,R.32 E.

BOOK 3083

chains

the official record, partially supported in a dilapidated mound of stone.

29.95 Gully, course NE.

30.04 Intersect the Arizona-New Mexico boundary at a point S.0°50'E. 20.47 chs. dist. from the 377 mile monument hereinbefore described.

Remove the closing cor. post from its original position, and at point of intersection re-set this post, 4 ins. in the ground, to bedrock, and in a mound of stone 6 ft. base, 30 ins. high. for closing cor. of secs. 11 and 14; from which

The original bearing trees

An oak, 8 ins. diam. bears N.65°W. 45 lks. dist. blaze overgrown.- not remarked.

A juniper, 10 ins. diam. bears S.71½°W. 51 lks. dist. blaze open,- mkd. CC T22S R32E S14 BT

Land, broken and rolling mountains. Soil, rocky and gravelly. 3rd. rate. Timber, oak, pinon and juniper. Undergrowth, oak, manzanita, mahogany, cacti and grasses.

Survey of Part of the Subdivisions

T.22 S.,R.32 E.

From the cor. of secs. 20,21,28, and 29, hereinbefore described.

N.0°01'E. bet.secs. 20 and 21.

Over rolling mountainous land, through scattered timber. Asc. 115 ft. over S. slope.

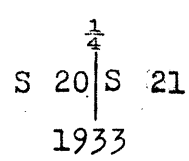
4.70 Change of slope to SE. Asc. 90 ft.

8.00 Along broken E. slope near top of ridge.

22.75 Divide, bears E. and W.

25.00 Desc. 185 ft. over NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bedrock, and in a mound of stone to top. for ¼ sec.cor. with brass cap mkd.



from which

An oak, 14 ins. diam. bears N.14½°E. 35 lks. dist. mkd. ¼ S21 BT

A twin oak, 7 ins. diam. bears N.47½°W. 77 lks. dist. mkd. ¼ S20 BT

Desc. 40 ft.

## Survey of Part of the Subdivisions

T.22 S.,R.32 E.

chains

- 42.50 Gulch, 20 lks. wide, course NW. Asc. 75 ft. over SW. slope.
- 51.00 Spur, slopes N.70°W. Desc. 15 ft. over gradual slope.
- 54.50 Leave spur, desc. 130 ft. over NW. slope.
- 63.50 Gulch, course N.60°W. Asc. 35 ft.
- 69.50 Gully, course S.70°W. Asc. 285 ft. over precipitous S. slope.
- 78.65 Top of broken ledge of rimrock, bears NW. and SE. Over gently rolling land.
- 80.00 Set an iron post, <sup>3 ft. long,</sup> 2 ins. diam. 18 ins. in the ground. to bedrock, and in a mound of stone to top, for the cor. of secs. 16,17,20, and 21. with brass cap mkd.
- |      |      |
|------|------|
| T22S | R32E |
| S 17 | S 16 |
| S 20 | S 21 |
- 1933
- from which
- An oak, 12 ins. diam. bears N.38°E. 167 lks. dist.  
mkd. T22S R32E S16 BT
- An oak, 8 ins. diam. bears S.54°E. 116 lks. dist.  
mkd. T22S R32E S21 BT
- A twin oak, 14 ins. diam. bears S.61°W. 69 lks. dist.  
mkd. T22S R32E S20 BT
- Land, rolling and broken mountain top.  
Soil, rocky. 2nd. and 3rd. rate.  
Timber, oak.  
Undergrowth. cacti and grasses.
- 
- N.89°57'W. on a random line bet. secs. 17 and 20.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.76 Intersect N. and S. line. 14 lks. S. of the cor. of secs. 17,18,19, and 20.
- Thence
- S.89°51'E. on true line bet. secs. 17 and 20.
- Over mountainous land.
- Asc. gentle W. slope of valley bottom.
- 14.00 Enter wash, 50 lks. wide, course S.80°W.
- 18.00 Leave wash, from NE. Asc. 200 ft. over W. slope.
- 39.88 Set an iron post, 3 ft. long. 1 in. diam.. 18 ins. in the ground, to bedrock, with a stone 8 x 7 x 5 ins. marked with a cross deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor.. with brass cap mkd.

$\frac{1}{4}$ S 17
S 20

1933



Survey of Part of the Subdivisions

T.22 S.,R.32 E.

BOOK 8988

chains

Asc. 560 ft. over an increasing W. slope.

63.75 Spur, slopes S.55°W. Change of slope to SW.; asc. 80 ft. along broken edge of mountain top.

76.00 Change to gently rolling W. slope.

79.76 The cor. of secs. 16,17,20,and 21.

Land, rolling mountains.  
Soil, rocky, 3rd. rate.  
Timber, very scattered oak in the E.  $\frac{1}{8}$ .  
Undergrowth, cacti and grasses.

-----  
North on a random line bet.secs. 16 and 17.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.30 Intersect E. and W. line. 5 lks. E. of the cor. of secs. 8,9,16,and 17.

Thence

S.0°02'E. on true line bet.secs. 16 and 17.

Over mountainous land, through scattered timber and undergrowth. Along E. slope.

3.00 Desc. 15 ft.

6.00 Enter small valley, or cove; asc. 55 ft. over gentle NE. slope.

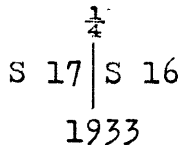
23.00 Leave valley, bears NE. and SW. Asc. 145 ft. over N. slope.

27.63 Four strand wire fence, bears E. and W.

30.75 Ridge, bears E. and W. Desc. 100 ft. over rolling S. slope.

39.55 Drain, 5 lks. wide, course S.20°E.

40.15 Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.



from which

An oak, 10 ins. diam. bears N.25°E. 143 lks. dist. mkd.  $\frac{1}{4}$  S16 BT

An oak, 10 ins. diam. bears S.87°W. 225 lks. dist. mkd.  $\frac{1}{4}$  S17 BT

Desc. 65 ft. over SE. slope.

55.00 Along E. slope, near mountain top.

62.00 Change of slope to NE.; asc. 115 ft.

67.50 Four strand wire fence, bears N.25°W. and S.25°E.

## Survey of Part of the Subdivisions

T.22 S.,R.32 E.

chains

- 76.50 Top of ascent; over level land.
- 80.30 The cor. of secs. 16,17,20, and 21.
- Land, rolling mountains.  
Soil, rocky, 3rd. rate.  
Timber, scattered oak, juniper and pinon.  
Undergrowth, mahogany, cacti and grasses.
- 
- From the cor. of secs. 21,22,27, and 28, hereinbefore described.
- N.0°02'E. bet. secs. 21 and 22.
- Over broken mountainous land, through scattered timber.
- Asc. 160 ft. over broken bluffs.
- 2.50 Top of cliff, bears E. and NW. Asc. 155 ft. over SW.slope.
- 12.30 Spur, slopes S.70°W. Desc. 235 ft. over rolling NW.slope.
- 22.25 Gulch, 20 lks. wide, course W. Asc. 70 ft.
- 27.00 Change of slope to W.
- 28.50 Desc. 150 ft. over NW. slope.
- 36.70 Draw, 30 lks. wide, course S.60°W. Asc. 140 ft. over S. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam. 10 ins. in the ground, to bedrock, with a stone 10 x 10 x 6 ins. marked with a cross, deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.
- $\frac{1}{4}$
- S 21 S 22
- 1933
- Asc. 300 ft. over S. slope.
- 50.00 Top of ascent; over flat spur, sloping W.
- 51.85 Desc. 90 ft. over N. slope.
- 55.60 Head of gully, course NW. Desc. 120 ft. over broken, rocky, NW. slope.
- 62.10 Gulch, course W.
- 64.40 Gulch, course W.
- 71.35 Gulch, course W. Asc. precipitous SW. slope 115 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam. 6 ins. in the ground, to bedrock, and in a mound of stone to top, for the cor. of secs. 15,16,21 and 22, with brass cap mkd:

T22S R32E  
S 16 | S 15  
S 21 | S 22

1933

from which

## Survey of Part of the Subdivisions

T.22 S., R.32 E.

chains

An oak, 8 ins. diam. bears N.36°E. 58 lks. dist.  
mkd. T22S R32E S15 BT

A pinon, 9 ins. diam. bears S.52½°E. 61 lks. dist.  
mkd. T22S R32E S22 BT

Land, rolling and broken mountain.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, scattered oak, juniper and pinon.  
Undergrowth, mahogany, oak and cacti.

-----  
N.89°48'W. on a random line bet.secs. 16 and 21.

40.00 Set temp. ¼ sec. cor.

79.58 Intersect the cor. of secs. 16,17,20, and 21.

Thence

S.89°48'E. on true line bet.secs. 16 and 21.

Over mountainous land, through scattered timber and undergrowth. Across level mountain top.

1.80 Desc. 60 ft. over gentle NE. slope.

4.41 Four strand wire fence, bears N.25°W. and S.25°E.

6.90 Head of drain, course N. Asc. 55 ft. over W. slope.

10.40 Flat spur, extends NE. Desc. broken SE. slope. 400 ft.

26.50 Draw, 25 lks. wide, course S.20°W.. Asc. 400 ft. over W. slope.

37.15 Sharp spur, slopes S. Desc. 75 ft. over SE. slope.

39.79 Set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the ground, for ¼ sec. cor. with brass cap mkd.

$$\frac{1}{4} \begin{array}{l} S 16 \\ S 21 \end{array}$$

from which

An oak, 6 ins. diam. bears N.85°E. 5 lks. dist.  
mkd. ¼ S16 BT

An oak, 6 ins. diam. bears S.20°E. 12 lks. dist.  
mkd. ¼ S21 BT

Desc. 230 ft. over SE. slope.

49.40 Gulch, 40 lks. wide, course S. Asc. 200 ft. over SW. slope.

57.50 Broad steep spur, slopes S. Desc. 160 ft. over SE.slope.

71.00 Draw, 40 lks. wide, course SW. Asc. 320 ft. over W.slope.

79.58 The cor. of secs. 15,16,21, and 22.

Land, broken mountains.  
Soil, rocky, 3rd. and 4th. rate.  
Timber, oak, pinon and juniper.  
Undergrowth, manzanita, oak, mahogany, cacti.

-----

## Survey of Part of the Subdivisions

T.22 S.,R.32 E.

chains

- N.0°20'E. on a random line bet.secs. 15 and 16.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.75 Intersect E. and W. line 3 lks. W. of the cor. of secs. 9,10,15, and 16.
- Thence
- S.0°21'W. on true line bet.secs. 15 and 16.
- Over rough mountainous land, through scattered timber and undergrowth. Along S. slope.
- 1.40 Change of slope to SE. ; desc. 245 ft.
- 9.70 Draw, 30 lks. wide, course NE. Asc. 255 ft. over precipitous N. slope.
- 16.00 Short rocky spur, slopes NW. Asc. over broken, rocky NW. slope 180 ft.
- 33.30 Short rocky spur, slopes W. Desc. 50 ft. over SW. slope.
- 38.95 Gulch, course NW. Asc. 45 ft. over NE. slope.
- 40.75 Set an iron post, 3 ft. long, 1 in. diam. 16 ins. in the ground, to bedrock, with a stone 8 x 6 x 6 ins. marked with a cross deposited alongside, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
- $\frac{1}{4}$   
 S 16 | S 15  
 1933
- Asc. 230 ft. over N. slope.
- 50.40 Divide, from SW. slopes N.25°E. Change of slope to NE.; asc. 15 ft.
- 52.85 Divide. from NW. slopes SE. Desc. 465 ft. over broken S. slope.
- 61.90 Top of broken bluffs, 40 ft. high, bearing W. and SE.
- 65.00 Gully, course SE.
- 72.50 Draw, 30 lks. wide, course W. Asc. precipitous N. slope 220 ft.
- 78.60 Shoulder of flat rocky spur, from SE. Desc. 15 ft. over rocky W. slope.
- 80.75 The cor. of secs. 15,16,21, and 22.
- Land, rough mountains.  
 Soil, rocky, 3rd. and 4th. rate.  
 Timber, scattered pinon, juniper and oak.  
 Undergrowth, manzanita, mahogany, oak and cacti.

-----

From the cor. of secs. 2,3,34, and 35, on the S. bdy. of the Tp., hereinbefore described.

N.0°02'E. bet. secs. 34 and 35.

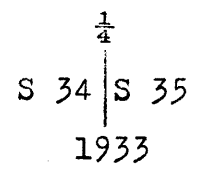
Over broken mountainous land, through scattered timber and undergrowth.

Survey of Part of the Subdivisions

T.22 S.,R.32 E.

chains

- Desc. 10 ft. over NW. slope.
- 0.80 Gully, 15 lks. wide, course SW. Asc. 95 ft. over S.slope.
- 1.80 Drain, course S.20°W.
- 5.45 Across spur, sloping W.
- 6.00 Desc. 165 ft. over N. slope.
- 12.75 Gulch, 25 lks. wide, course N.60°W. Asc. 140 ft. over SW. slope.
- 19.00 Along W. slope. across spur.
- 26.50 Desc. 185 ft. over N. slope.
- 34.20 Mouth of gully. from SE. into gulch, course W.
- 34.70 Gulch, 30 lks. wide, course W. Asc. 140 ft. over S.slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 34 ins. in the ground. for  $\frac{1}{4}$  sec. cor. with brass cap mkd.



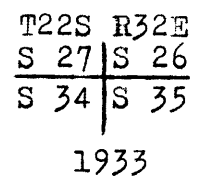
from which

An oak, 7 ins. diam. bears N.20°E. 124 lks. dist. mkd.  $\frac{1}{4}$  S35 BT

A pinon, 7 ins. diam. bears S.20°W. 219 lks. dist. mkd.  $\frac{1}{4}$  S34 BT

Continue ascent 60 ft.

- 42.00 Over top of spur, sloping W.
- 43.30 Desc. 110 ft. over NW. slope.
- 48.35 Gulch, 20 lks. wide, course N.75°W. Asc. 100 ft. over SW. slope.
- 53.00 Spur, slopes S.70°W. Desc. 15 ft.
- 55.90 Gully, course SW. Asc. 95 ft. over SE. slope.
- 60.40 Spur, slopes SW. Change of slope to SW; asc. 50 ft.
- 64.75 Gully, course S.25°W. Asc. 245 ft. over S. slope.
- 72.20 Sharp ridge, bears SE. and W. Desc. 190 ft. over NE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam. 34 ins. in the ground, for the cor. of secs. 26,27,34, and 35, with brass cap mkd.



from which

A juniper, 18 ins. diam. bears N.30 $\frac{1}{2}$ °E. 306 chs. dist.

## Survey of Part of the Subdivisions

T.22 S., R.32 E.

chains

mkd. T22S R32E S26 BT

An oak, 8 ins. diam. bears S.75½°E. 105 lks. dist.  
mkd. T22S R32E S35 BTRaise a mound of stone 3½ ft. base, 3 ft. high, W. of  
cor.

Land. mountainous.

Soil. rocky and gravelly, 2nd. and 3rd. rate.

Timber, oak, pinon and juniper.

Undergrowth, manzanita, oak, creosote, mahogany and cacti

-----  
West on a random line bet.secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

79.88 Intersect N. and S. line, 18 lks. S. of the cor. of secs.  
27,28,33, and 34.

Thence

S.89°52'E. on true line bet.secs. 27 and 34.

Over mountainous land, through scattered timber and  
undergrowth. Along gentle S. slope.

4.80 Gully, course SW. Asc. 365 ft. over W. slope.

14.60 Small spur, slopes S.30°W.

16.00 Top of broken ledge of rimrock, 20 ft. high, bears NW.  
and S.70°E. Over top of broad flat spur. through  
granite outcrops and boulders; desc. 25 ft.

31.80 Small swale, drains N. Asc. 35 ft.

36.80 Desc. 20 ft.

39.50 Drain, course N. Along gently sloping N. edge of broad  
spur.39.94 Set an iron post, over cross (X) on bedrock, supported in  
a mound of stone 5 ft. base, 3 ft. high. for ¼ sec. cor.  
with brass cap mkd. $\frac{1}{4} \frac{S 27}{S 34}$ 

1933

from which

A juniper, 9 ins. diam. bears N.77½°E. 164 lks. dist.  
mkd. ¼ S27 BTAn oak, 18 ins. in diam. bears S.22½°E. 300 lks. dist.  
mkd. ¼ S34 BT.

Asc. 60 ft. over gentle NW. slope.

50.90 Apex of rocky outcrop, 20 ft. high. on point of short  
spur, from SE. Desc. 65 ft. over N. slope.58.50 Rocky gulch, 30 lks. wide. course NW. Asc. 450 ft. over  
W. slope.74.15 Ridge, from SE.. slopes steeply N.60°W. Desc. 95 ft.  
over NE. slope.

Survey of Part of the Subdivisions

T.22 S.,R.32 E.

BOOK 1188

chains

79.88 The cor. of secs. 26,27,34,and 35.

Land, broken mountains.  
Soil, rocky, 3rd. rate.  
Timber, pinon, oak and juniper.  
Undergrowth, mahogany, manzanita and cacti.

-----  
East on true line bet.secs. 26 and 35.

Over mountainous land, through scattered timber and undergrowth. Desc. 65 ft. over NE. slope.

- 4.20 Drain, course N.20°E. Asc. 25 ft.
- 11.00 Short spur, slopes NE. Desc. 235 ft. over E. slope.
- 12.85 A cabin bears N.75°E. about 35 chs. dist.
- 21.00 Desc. 260 ft. along small flat spur.
- 31.10 Foot of slope; gulch, course N.20°E. Asc. 30 ft.
- 33.00 Small spur, slopes N.20°E. Along N. slope.
- 36.00 Short spur, slopes NE. Desc. 65 ft. over E. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$  S 26  
S 35

1933

from which

An ash, 5 ins. diam. bears N.50 $\frac{1}{2}$ °W. 24 lks. dist.  
mkd.  $\frac{1}{4}$  S26 BT

A twin oak, 16 ins. diam. bears S.76 $\frac{1}{4}$ °E. 133 lks. dist.  
mkd.  $\frac{1}{4}$  S35 BT

- 40.40 Gully, 10 lks. wide, course N.10°E. Asc. 45 ft.
- 43.15 Small spur, slopes N. Desc. 110 ft. over broken NE.slope.
- 46.95 Gully, course N.
- 50.35 Flat spur, slopes N.; prospect shaft bears N. about 3 chs. dist.
- 58.35 Wash, 40 lks. wide, course NW. Asc. 85 ft. over rolling SW. slope. along N. side of wash, draining E.
- 66.30 Drain, 5 lks. wide, course S.
- 71.04 Intersect the Arizona-New Mexico boundary at a point S.1°12'E.. 37.93 chs. dist. from the 380 mile monument. hereinbefore described.  
  
At point of intersection set an iron post, 3 ft. long. 2 ins. diam. 26 ins. in the ground, to bedrock, and in a mound of stone to top, for closing cor. of secs. 26 and 35, with brass cap mkd.

## Survey of Part of the Subdivisions

T.22 S., R.32 E.

chains

T22S	
R32E	
S 26	NEW
CC S 35	MEXICO

1933

from which

An oak, 7 ins. diam. bears S.29°W. 111 lks. dist.  
mkd. T22S R32E S35 CC BT

Raise a mound of stone 4 ft. base, 3 ft. high. W. of cor.

Land, rolling mountains.  
Soil, rocky and gravelly, 3rd. rate.  
Timber, scattered oak, ash and pinon.  
Undergrowth, manzanita, mahogany, oak and cacti.

At a point midway in latitude on the E. bdy. of sec. 35.  
N.1°12'W. 0.96 chs. dist. from the 381 mile monument on  
the Arizona-New Mexico boundary, hereinbefore described,  
set an iron post, 3 ft. long, 1 in. diam. 34 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$	
S 35	NEW
	MEXICO

1933

raise a mound

of stone,  $3\frac{1}{2}$  ft. base, 3 ft. high, W. of cor.

From the cor. of secs. 26, 27, 34, and 35.

N.0°02'E. bet. secs. 26 and 27.

Over mountainous land, through scattered timber and  
undergrowth. Desc. 100 ft. over NE. slope.

- 6.20 Head of gulch, course N.70°E. Along E. slope.
- 7.30 Top of conglomerate bluff, 60 ft. high, facing N.; spur  
slopes N.70°E. Desc. 305 ft. over N. slope.
- 13.50 Head of gulch, course NE. Asc. 105 ft. over SE. slope.
- 19.50 Spur, slopes N.60°E. Desc. 105 ft. over N. slope.
- 23.00 Gully, course NE. Change of slope to NE.; desc. 115 ft.
- 32.80 Spur, slopes NE. Desc. 300 ft. over N. slope.
- 34.20 Top of broken bluffs, 30 ft. high, facing N.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam. 24 ins. in the  
ground, to bedrock, and in a mound of stone to top, for  
 $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$	
S 27	S 26

1933

from which



Survey of Part of the Subdivisions

T.22 S.,R.32 E.

3983

chains

An oak, 5 ins. diam. bears N.42½°E. 30 lks. dist. mkd. ¼ S26 BT

An oak, 5 ins. diam. bears S.40°W. 54 lks. dist. mkd. ¼ S27 BT

This cor. is situated against the west face of a porphyry-granite boulder, 5 ft. high, 8 ft. long. Raise a mound of stone 3 ft base, 1½ ft. high. on top of boulder.

Desc. 75 ft. over a decreasing N. slope.

44.70 Wash, 30 lks. wide, course SW. A road follows along the wash at this point, bearing irregularly E. and W.

Asc. 175 ft. over SW. slope.

54.20 Gully, course SW.

55.50 West base of small broken bluff, facing SW. on spur, sloping S.10°E. Change of slope to S.; asc. 235 ft. over an increasing S. slope.

69.00 Spur, extends W. Desc. 240 ft. over N. slope.

77.30 Gully, course NW. Asc. 30 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam. 18 ins. in the ground, to bedrock, and in a mound of stone to top. for the cor. of secs. 22,23,26, and 27, with brass cap mkd.

T22S R32E	
S 22	S 23
S 27	S 26

1933

from which

An oak, 14 ins. diam. bears N.17°E. 175 lks. dist. mkd. T22S R32E S23 BT

A pinon, 6 ins. diam. bears S.49½°E. 202 lks. dist. mkd. T22S R32E S26 BT

A pinon. 10 ins. diam. bears S.4½°W. 171 lks. dist. mkd. T22S R32E S27 BT

A juniper. 7 ins. diam. bears N.40°W. 100 lks. dist. mkd. T22S R32E S22 BT

Land, rolling mountains.  
Soil, rocky, 3rd. rate.  
Timber, oak, pinon and juniper.  
Undergrowth, oak, manzanita, mahogany and cacti.

N.89°52'W. on a random line bet.secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect N. and S. line 37 lks. N. of the cor. of secs. 21,22,27 and 28,

Thence

N.89°52'E. on true line bet.secs. 22 and 27.

## Survey of Part of the Subdivisions

T.22 S.,R.32 E.

chains

Over mountainous land. Asc. 150 ft. over SW. slope, along base of bluffs.

4.50 Leave bluffs.

4.85 Small flat spur, slopes S.10°W.

12.65 Change of slope to S.

16.90 Gully. course S.

22.70 Spur, slopes S.5°E. Desc. 270 ft. over SE. slope.

39.97 Set an iron post, 3 ft. long, 1 in. diam. 24 ins. in the ground. to bedrock and in a mound of stone to top. for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \begin{array}{l} S \ 22 \\ S \ 27 \end{array}$$

1933

from which

An oak, 10 ins. diam. bears N.23 $\frac{1}{2}$ °W. 19 lks. dist.  
mkd.  $\frac{1}{4}$  S22 BT

An oak, 10 ins. diam. bears S.62 $\frac{1}{2}$ °E. 103 lks. dist.  
mkd.  $\frac{1}{4}$  S27 BT

Desc. 425 ft. through scattered timber.

44.50 Small spur, slopes S.25°E.

51.75 Spur, slopes SE.

56.60 Gully, 20 lks. wide, course SE.

65.60 Foot of slope; across bottom land.

69.30 Cottonwood Creek. in dry bed, 40 lks. wide, course S.35°W  
Asc. 60 ft. over NW. slope.

70.45 Geronimo Trail, bears N.30°E. and S.30°W.

72.50 Point of spur, sloping NW. Along N. slope, through scattered undergrowth.

75.00 Gulch, 20 lks. wide, course NW. Asc. 90 ft. over SW. slope.

79.94 The cor. of secs. 22,23,26, and 27.

Land, rolling mountains.  
Soil, rocky. 3rd. rate.  
Timber, oak and juniper.  
Undergrowth, scattered manzanita, mahogany and oak in the E. $\frac{1}{2}$ .

-----  
East on true line bet. secs. 23 and 26.

Over mountainous land, through scattered undergrowth.  
Asc. 370 ft. over SW. slope.

6.30 Small spur, slopes S.30°W.

17.70 Top of ascent; across flat hill, extending N. and S.

21.15 Desc. 210 ft. over E. slope, through scattered timber.

Survey of Part of the Subdivisions

T.22 S., R.32 E.

BOULDER 1883

chains

28.45 Head of gully, course S.60°E. Desc. 65 ft. over SE.slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam. 32 ins. in the ground. for 1/4 sec. cor. with brass cap mkd.

1/4 S 23  
S 26

1933

from which

An oak, 10 ins. diam. bears N.31 1/2°W. 53 lks. dist.  
mkd. 1/4 S23 BT

A juniper, 9 ins. diam. bears S.47 1/2°E. 246 lks. dist.  
mkd. 1/4 S26 BT

Desc. 115 ft. over SE. slope.

48.65 Gulch, 15 lks. wide, course S.30°W. Asc. 340 ft. over broken W. slope.

59.00 Gully, course NW.

70.50 Cross shoulder of small ridge, from SE.

70.95 Intersect the Arizona-New Mexico boundary at a point S.1°02'W. 35.37 chs. dist. from the 379 mile monument, hereinbefore described.

At point of intersection set an iron post, 3 ft. long. 2 ins. diam. 32 ins. in the ground, for closing cor. of secs. 23 and 26, with brass cap mkd.

T22S  
R32E  
CC S 23 NEW  
S 26 MEXICO

1933

from which

A pinon, 8 ins. diam. bears N.34°W. 98 lks. dist.  
mkd. T22S R32E S23 CC BT

Raise a mound of stone 4 ft. base, 3 ft. high, W. of cor.

Land, mountainous.  
Soil, rocky and gravelly. 3rd. rate.  
Timber, oak, juniper and pinon.  
Undergrowth, manzanita, oak and cacti.

-----  
At a point midway in latitude on the E. bdy. of sec. 26. N.1°02'E.. 2.10 chs. dist. from the 380 mile monument on the Arizona-New Mexico boundary, hereinbefore described, set an iron post, 3 ft. long, 1 in. diam. 30 ins. in the ground, for 1/4 sec. cor.. with brass cap mkd.

1/4  
S 26 NEW  
MEXICO

1933

from which

A chihuahua pine, 10 ins. diam. bears S.53°W. 120 lks. dist. mkd. 1/4 S26 BT

chains

A chihuahua pine, 10 ins. diam. bears N.45 $\frac{1}{2}$ °W. 121 lks. dist. mkd.  $\frac{1}{4}$  S26 BT

-----  
From the cor. of secs. 22, 23, 26, and 27.

N.0°02'E. bet. secs. 22 and 23.

Over mountainous land, through scattered timber and undergrowth. Asc. 110 ft. over SW. slope.

7.60 Change of slope to NW.; desc. 150 ft.

16.15 Geronimo Trail. bears E. and W.

16.50 Cottonwood Creek, in dry bed 30 lks. wide, course W. Asc. 345 ft. over S. slope.

32.80 Drain. 10 lks. wide, course S.30°E. Change of slope to SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam. 16 ins. in the ground, to bedrock, and in a mound of stone to top. for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 22 \mid \text{S } 23 \\ 1933 \end{array}$$

from which

An oak, 18 ins. diam. bears N.37°E. 152 lks. dist. mkd.  $\frac{1}{4}$  S23 BT

An oak, 14 ins. diam. bears S.31 $\frac{1}{2}$ °W. 166 lks. dist. mkd.  $\frac{1}{4}$  S22 BT

Asc. 245 ft. over SE. slope.

57.20 Gully, 15 lks. wide, course SE. Asc. 425 ft. over an increasing S. slope.

72.30 Top of broken ledge of rimrock, 20 ft. high, bearing E. and W. Over gently rolling summit of mountain.

75.70 Divide, bears E. and SW. Desc. 30 ft. over gentle NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam. 8 ins. in the ground, to bedrock, and in a mound of stone to top. for the cor. of secs. 14, 15, 22, and 23. with brass cap mkd.

$$\begin{array}{c} \text{T22S } \text{R32E} \\ \text{S } 15 \mid \text{S } 14 \\ \text{S } 22 \mid \text{S } 23 \\ 1933 \end{array}$$

from which

A juniper, 20 ins. diam. bears N.30 $\frac{1}{2}$ °E. 103 lks. dist. mkd. T22S R32E S14 BT

A twin oak, 10 ins. diam. bears S.26°E. 209 lks. dist. mkd. T22S R32E S23 BT

An oak, 14 ins. diam. bears S.74 $\frac{1}{4}$ °W. 175 lks. dist. mkd. T22S R32E S22 BT

Survey of Part of the Subdivisions

BOOK 8888

T.22 S., R.32 E.

chains

A twin oak. 20 ins. diam. bears N.23 1/2°W. 238 lks. dist. mkd. T22S R32E S15 BT.

Land. mountainous.  
Soil, rocky, 3rd. rate.  
Timber, oak and juniper.  
Undergrowth, manzanita, mahogany, oak and cacti.

S.89°52'W. on a random line bet.secs. 15 and 22.

40.00 Set temp. 1/4 sec. cor.

79.80 Intersect the cor. of secs. 15,16,21 and 22.

Thence

N.89°52'E. on true line bet.secs. 15 and 22.

Over broken mountainous land, through scattered timber and undergrowth. Asc. 30 ft. over W. slope.

1.00 Across flat spur, extending N.30°W.

3.90 Desc. 160 ft. over NE. slope.

9.70 Draw, course NW. Asc. 355 ft. over W. slope.

26.00 Over gently rolling top of mountain.

28.60 Divide, bears NW. and S. Desc. 35 ft. over gentle E. slope.

35.60 Desc. 80 ft. over steep NE. slope.

39.90 Set an iron post, 3 ft. long, 1 in. diam. 18 ins. in the ground, to bedrock, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

1/4 S 15  
1/4 S 22

1933

from which

A pinon, 6 ins. diam. bears N.30°E. 58 lks. dist. mkd. 1/4 S15 BT

A pinon, 8 ins. diam. bears S.38°E. 82 lks. dist. mkd. 1/4 S22 BT

Desc. 180 ft. over broken NE. slope.

47.40 Gulch, 10 lks. wide, course SE. Desc. 90 ft. over SE. slope.

52.20 Draw, 40 lks. wide, course N.30°E. Asc. 365 ft. over W. slope.

59.60 Gully, course NW.

67.20 Shoulder of spur, from SE. slopes steeply N. Desc. 40 ft.

73.75 Head of gully. course N. Asc. 90 ft. over NW. slope.

79.80 The cor. of secs. 14,15,22, and 23.

Land, broken mountains.

## Survey of Part of the Subdivisions

T.22 S., R.32 E.

chains

Soil, rocky, 3rd. and 4th. rate.  
 Timber, juniper, pinon and oak.  
 Undergrowth, manzanita, mahogany and cacti.

-----  
 East on true line bet.secs. 14 and 23.

Over mountainous land, through scattered timber and  
 undergrowth. Asc. 35 ft. over gentle NW. slope.

- 5.35 Ridge extends N. Desc. 115 ft. over E. slope.  
 16.00 Gulch, 10 lks. wide, course N. Asc. 275 ft. over W.slope.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam. 8 ins. in the  
 ground, to bedrock, and in a mound of stone to top, for  
 $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \frac{S \ 14}{S \ 23}$$

1933

from which

A twin oak, 13 ins. diam. bears N.49°W. 35 lks. dist.  
 mkd.  $\frac{1}{4}$  S14 BT

A twin oak. 12 ins. diam. bears S.18 $\frac{1}{2}$ °W. 147 lks. dist.  
 mkd.  $\frac{1}{4}$  S23 BT

Asc. 30 ft.

- 45.70 Divide, bears N. and S. Desc. 500 ft. over precipitous  
 E. slope.  
 58.15 Gulch, 30 lks. wide, course SE. Desc. 145 ft. over SE.  
 slope.  
 63.95 Gully. 20 lks. wide, course SE.  
 66.30 Gully. 30 lks. wide, course SE.  
 70.00 Small flat spur, slopes S.30°E. Desc. 35 ft.  
 71.07 Intersect the Arizona-New Mexico boundary at a point  
 S.0°36'E., 34.41 chs. dist. from the 378 mile monument,  
 hereinbefore described.

At point of intersection set an iron post, 3 ft. long, 2  
 ins. diam. 34 ins. in the ground, for closing cor. of  
 secs. 14 and 23, with brass cap mkd.

$$\begin{array}{c|c} T22S & \\ R32E & \\ \hline CC \frac{S \ 14}{S \ 23} & \begin{array}{l} NEW \\ MEXICO \end{array} \end{array}$$

1933

from which

An oak, 12 ins. diam. bears S.30 $\frac{1}{2}$ °W. 22 lks. dist.  
 mkd. T22S R32E S23 CC BT

An oak, 7 ins. diam. bears N.59°W. 32 lks. dist.  
 mkd. T22S R32E S14 CC BT

Land, mountainous.  
 Soil, rocky, 3rd. and 4th. rate.

Survey of Part of the Subdivisions

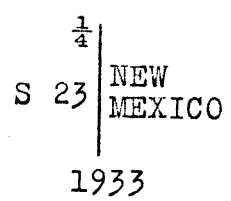
T.22 S.,R.32 E.

BOOK 5983

chains

Timber, oak, pinon and juniper.  
Undergrowth, mahogany, manzanita, oak and cacti.

At a point midway in latitude on the E. bdy. of sec. 23.  
N.0°36'W. 4.69 chs. dist. from the 379 mile monument.  
on the Arizona-New Mexico boundary, hereinbefore desc-  
ribed, set an iron post, 3 ft. long, 1 in. diam. 30 ins.  
in the ground, for 1/4 sec. cor. with brass cap mkd.

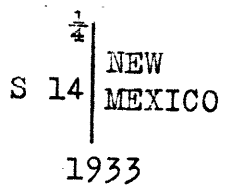


from which

An oak, 10 ins. diam. bears S.16°W. 118 lks. dist.  
mkd. 1/4 S23 BT

An oak, 10 ins. diam. bears N.69°W. 268 lks. dist.  
mkd. 1/4 S23 BT

At a point on the E. bdy. of sec. 14, 40.00 chs. in N..  
latitude from the closing cor. of secs. 14 and 23.  
N.0°50'W. 5.59 chs. dist. from the 378 mile monument on  
the Arizona-New Mexico boundary, hereinbefore described,  
set an iron post, 3 ft. long, 1 in. diam. 12 ins. in  
the ground, to bedrock, and in a mound of stone to top,  
for 1/4 sec. cor. with brass cap mkd.



from which

An oak, 17 ins. diam. bears S.42 1/2°W. 96 lks. dist.  
mkd. 1/4 S14 BT

A mahogany, 5 ins. diam. bears N.40 1/2°W. 154 lks. dist.  
mkd. 1/4 S14 BT.

- From the cor. of secs. 14,15,22, and 23.
- N.0° 'E. on random line bet. secs. 14 and 15.
- 40.00 Set temp. 1/4 sec. cor.
- 80.80 Intersect E. and W. line 1 lks. . of the cor. of secs.  
10,11,14 and 15.
- Thence
- S.0°16'W. on true line bet.secs. 14 and 15.
- Over broken mountainous land, through scattered timber  
and undergrowth. Asc. 30 ft. over precipitous E.slope.
- 4.00 Top of rocky and precipitous ridge, extending from S. to  
N. Asc. 100 ft. along broken ridge, closely following  
the crest thereof.

chains

31.00 Short spur, slopes W. Along broken W. side of top of ridge.

38.50 Sharp spur, slopes W. Desc. 45 ft.

40.30 Head of gully, course W.

40.80 Set an iron post, 3 ft. long, 1 in. diam. 18 ins. in the ground, to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ | \\ S\ 15 \quad | \quad S\ 14 \\ | \\ 1933 \end{array}$$

from which

A pinon, 6 ins. diam. bears S.86°E. 45 lks. dist.  
mkd.  $\frac{1}{4}$  S14 BT

A pinon, 7 ins. diam. bears N.75 $\frac{1}{2}$ °W. 56 lks. dist.  
mkd.  $\frac{1}{4}$  S15 BT

Asc. 45 ft. over NW. slope.

44.50 Blunt rocky spur, slopes W. Continue along broken W. slope, near top of ridge; asc. 100 ft.

66.50 Head of gulch, course N.70°W.

76.00 Leave broken slopes; asc. gradually over gentle NW. slope. along top of mountain.

80.80 The cor. of secs. 14,15,22,and 23.

Land. rough, broken mountain.  
Soil, rocky, 4th. rate.  
Timber, scrub pinon and oak.  
Undergrowth, manzanita, oak, mahogany and cacti.

#### Final Test of Solar Attachment.

May 12,1933. At the azimuth station established in the NE.  $\frac{1}{4}$  of sec. 27, at 8h. 0m. a.m., app. t., set off 31° 29'30"N. on the latitude arc, 18°08'N. on the declination arc and orient the instrument with the solar; the line of sight agrees with the true meridian.

At 4h. p.m., app. t., with the latitude arc unchanged, and a setting of 18°13'N. on the decl. arc repeat the test of the solar; the line of sight agrees with the true meridian.

May 12,1933

#### General Description.

Township 22 South, Range 32 East. lies in the Guadalupe Mountains, at an elevation of from 4800 to 6200 ft. above sea level. The crest of the mountain range, or divide, extends through the eastern part of sections 14 and 11. The mountains are of eruptive character, the higher ridges comprising a broken plateau of narrow and irregular extent, cut by many draws and canyons draining into the valley to the west. The soil is of a heavy rocky texture and shallow depth, varying from 2nd. to 4th. rate.



General Description.

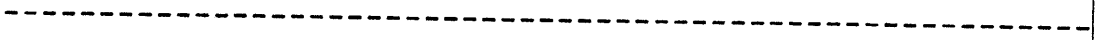
BOOK 8988

Cottonwood Creek, a seasonal stream, heading in New-Mexico about a mile east of the Arizona State boundary, runs through sections 23 and 27 in a southwesterly direction. A well has been dug, and is maintained, by the Forest Service at a designated camping ground near the center of the NE.  $\frac{1}{4}$  of section 27. Some developed water is noted to the north of the  $\frac{1}{4}$  sec. cor. on the S. bdy. of section 26, supplying the domestic needs of a small prospecting camp located there.

The Geronimo Trail, a newly constructed highway leading from Douglas to points in New Mexico, follows Cottonwood Creek through this district. An irregular, unimproved stub road leads up a branch canyon into section 26.

There are no settlers within the confines of the present survey; one ranch is situated near the center of section 33. There is no agricultural land; some mining prospects are located in sections 26 and 35.

The timber noted is of no commercial value, a dwarfed oak predominating, intersperced with juniper and pinon. A few pine trees are found in isolated clusters. The undergrowth is scattered and low; good grasses on the plateau and southern and western slopes afford an excellent range for live stock.



341  
40

BOOK 3983

4-680  
(August, 1926)

**FIELD ASSISTANTS.**

NAMES.	CAPACITY.
Ray McCreary	1st. chainman.
John Boggs	2nd. chainman.
Albert Heath	cornerman.
J. B. Chumbley	flagman.

BOOK 393

CERTIFICATE OF UNITED STATES SURVEYOR

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 13th day of September, 1932, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed a part of the Arizona-New Mexico State boundary from Monument 377 to Monument 382; and resurveyed a part of the South boundary, and resurveyed and surveyed a part of the subdivision lines, completing the subdivision of fractional Township 22 South, Range 32 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 all the corners of said survey and resurvey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey and resurvey.

Glendale, California.
September 30, 1933.

Dupree R. Averill, U. S. Surveyor.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, December 4, 1933.

The foregoing field notes of the resurvey of a part of the Arizona-New Mexico State boundary from Monument 377 to Monument 382; and of the resurvey of a part of the south boundary, and resurvey and survey of a part of the subdivision lines, completing the subdivision of fractional Township 22 South, Range 32 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Dupree R. Averill, U. S. Surveyor,

under his special instructions dated September 13, 1932, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys they describe, are hereby approved.

U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.