Original

4032

4—679

BOOK A

FIELD NOTES

BOOK 4032

OF THE RESURVEY OF

A Portion of the South Boundary of Township 7 South, Range 15 West;

Resurvey of a Portion of the East Boundary,

and Survey and Resurvey of a Portion of the Subdivisional Lines

Completing the Subdivision of Township 8 South, Range 15 West,

Of the Gila and Salt River *Meridian,*

In the State of Arizona

EXECUTED BY

Francis E. Joy, U.S. Cadastral Engineer

and

Robert H. Fischer, U.S. Transitman

In the capacity of U. S. Surveyors, under Special Instructions dated October 4, *19* 33, *issued by the District Cadastral Engineer to govern surveys included in Group No.* 187, *which were approved by the Commissioner of the General Land Office,* October 30, *19* 33, *and Assignment Instructions dated* March 21, *19* 34

Survey commenced March 25, *19* 34

Survey completed April 2, *19* 34

6—151

2
1A

BOOK 4032

INDEX DIAGRAM.

Township 8 South, **Range** 15 West.

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

U. S. GOVERNMENT PRINTING OFFICE 6—151

chains

The necessary resurveys and surveys to complete the subdivisions of T.8 S., R.15 W., were executed with a Buff & Buff light mountain transit, Serial No. 16723, used by Francis E. Joy, and a Young & Sons transit, Serial No. 8545, used by Robert H. Fisher. The instruments were constructed in accordance with the standard specifications of the General Land Office. The horizontal circle of the Buff & Buff has a diameter of 4½ 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 instrument is equipped with the improved Smith solar attachment; radius of the latitude arc 2½ ins., and of the declination arc 3½ ins., each with verniers reading to single minutes.

The horizontal circle of the Young & Sons has a diameter of 4 3/4 ins., with two double opposite verniers reading to single minutes; the vertical circle has a diamter of 5 ins., with one double vernier reading to single minutes; the solar attachment was not used.

The instruments were in good condition and having been placed in satisfactory adjustment prior to beginning the survey and tested and found free from appreciable error, were approved by the district cadastral engineer on March 21, 1934. All of the instrumental adjustments were examined before making the field tests hereinafter recorded.

The directions of all lines, with the Buff & Buff transit, were determined by the solar transit method; and the directions of all lines, with the Young & Sons transit, were determined by direct altitude observations on the sun and the transit method. The measurements were made with Lufkin steel tapes, 5 chains in length, graduated every link for the first 100 lks., and thereafter at intervals of 10 lks. The tapes were tested by comparison with a Keuffel & Esser standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. cor. of the Tp. as follows: latitude 32°40'47"N., and longitude 113°45'10"W.

March 25, 1934, at camp in the NW. cor. of sec. 25, with Buff & Buff transit, at 6h 23m p.m., l.m.t., or 6h 58m p.m. by my watch, which reads correct 105th meridian time as determined from a Western Union clock, I make an hour angle observation on Polaris, west of the meridian, for latitude and azimuth, making six readings, three each with the telescope in direct and reversed positons, reading the vertical angle, and reading the horizontal deflection angle from a sharp pointed rock on skyline about 3 miles distance, in the direction N-W to Polaris.

Mean horizontal angle, rock to Polaris	5°59'45"W.
Azimuth of Polaris	1°11'48"W.
True bearing to rock	N.7°11'33"W.
Mean observed vertical angle	33°00'28"
Reduced latitude	32°42'16"N.

Every hour from 8 to 11 a.m. and from 1 to 4 p.m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than 1½'.

I repeat the tests of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.

T. 8 S., R. 15 W.

chains

March 26, 1934, at the cor. of secs. 25,26,35 and 36, with Young & Sons transit, I make a series of three altitude observations upon the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun; the horizontal angles are measured from a distant peak of peculiar design in a NW. direction.

Observation		Apparent time	Vertical angle	Horizontal angle
1st set	Mean	4h 26m	20° 29' 30"	62° 08' 00"
2d set	Mean	4h 30m	19° 51' 30"	61°40' 30"
3d set	Mean	4h 34m	19° 11' 00"	61° 12' 30"

By first observation the peak bears N.38°48'15"W.
By second observation the peak bears N.38°48'15"W.
By third observation the peak bears N.38°47'50"W.

Altitude observations upon the sun were made at frequent intervals to insure the accuracy of the transit lines throughout the survey.

The south boundary of T.7 S., R.15 W., was surveyed by T.F. White, U.S. Deputy Surveyor, in 1877.

Resurvey of a Portion of the South Boundary of T.7S.,R.15W.

From the cor. of Ts. 7 and 8 S., Rs.14 and 15 W.

West on a random line bet. secs. 1 and 36.

40.11 A point 9 lks. N. of the ¼ sec. cor.

80.29 A point 17 lks. N. of the cor. of secs.1,2,35 and 36.

Return to the cor. of Ts.7 and 8 S., Rs.14 and 15 W., which is an iron post 3 ins. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence, S.89°52'W., on true line along S. bdy. of sec. 36.

Over level land, thru a mesquite thicket.

27.30 Wash, 5 lks. wide, course N.

27.60 Dim road, bears NW. and SE.; leave mesquite thicket and enter scattering greasewood, bears NW. and SE.

40.11 The ¼ sec. cor., which is a mesquite post, 4 ins. diam., 2 ft. long, faced and marked ¼S, lying on N. side of a mound of earth.

At point for cor.

Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, with original post alongside, for ¼ sec. cor. sec. 36, with brass cap mkd.

¼ S36
1934

dig pits,

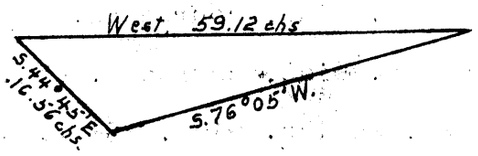
18x18x12 ins., E. and W. of post, 3 ft. dist.

U. S. GOVERNMENT PRINTING OFFICE: 1934 6—8155

Resurvey of a Portion of the South Boundary of
T. 7 S., R. 15 W.

Chains	
	S.89°53'W., on true line along S. bdy. of sec. 36.
13.10	A wash, 10 lks. wide, course N.20°E.
20.25	A wash, 10 lks. wide, course N.30°E.
23.60	A dim road, bears N. and S.
24.50	A wash, 10 lks. wide, 10 ft. deep, course N.
27.80	A wash, 10 lks. wide, 10 ft. deep, course NE.
39.50	A wash, 50 lks.wide, 15 ft. deep, course N.10°E.
40.18	The cor. of secs. 1,2,35 and 36, which is a badly decayed palo verde post lying alongside of a mound of earth. As this now becomes a cor. of secs. 35 and 36, only,
	At point for cor.
	Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground, for cor. of secs. 35 and 36, with brass cap mkd.
	T7S R15W S35 | S36 T8S S 2 1934 from which
	The original bearing trees: A palo verde, 6 ins. diam., bears S.6°W., 101 lks. dist., marked VIII S An ironwood, 14 ins. diam., bears S.58°E., 94 lks. dist., shows old scar. Raise a mound of stone 3 ft. base and 2 ft. high, N. of cor.
	Land, level, badly cut by washes. Soil, sandy and gravelly, 3d rate. Timber, scattering palo verde and ironwood. Undergrowth, mesquite and greasewood.

	West, on a random line bet. secs. 2 and 35.
40.00	Find no trace of the ¼ sec. cor.; set temp. cor.
42.99	Top of the Mohawk Mountains, vertical angle to flag on random line is -11°45'; auxiliary flag bears S.76°05'W.; from flag on random line the auxiliary flag bears S.44°45'E., 16.56 chs. dist.; all bearings checked by direct reading of the solar and all angles checked by deflection.



Dist. on random line	42.99 chs.
Dist. by triangulation	59.12 "
Dist.	102.11 "
by return measurement	22.11 "
	80.00 "

80.00	Find no trace of the cor. of secs. 2,3,34 and 35; set temp. cor.

Resurvey of a Portion of the South Boundary of
T. 7 S., R. 15 W.

chains	
	Continue line and measurement bet. secs. 3 and 34.
120.00	Find no trace of ¼ sec. cor.; set temp. cor.
161.08	A point 52 lks. N. of the cor. of secs. 3,4,33 and 34.
	Return to the cor. of secs. 35 and 36.
	Thence, S.89°49'W., on true line along S. bdy. of sec. 35.
	Over rough broken land, thru scattering timber.
11.00	Ascend 655 ft. over broken NE. slope.
40.27	Proportional distance,
	Set an iron post 3 ft. long 1 in. diam., over a cross (X) marked on surface bedrock, and in a mound of stone to top, for ¼ sec. cor. sec. 35, with brass cap mkd.
	¼ S35 1934
	Ascend 140 ft. over a NE. slope.
42.99	Top of the Mohawk Mountains bearing NW. and SE. and about 1 mile from N. end of range; descend over cliffs and bluffs on W. slope, 750 ft.
65.00	(Estimated) Base of mountains; descend gradually in cove.
80.54	Proportional distance,
	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 2,3,34 and 35, with brass cap mkd.
	T7S, R15W S34 | S35 S3 | S2 T8S 1934 raise a mound
	of stone 3 ft. base and 2 ft. high, west of cor.
	Land, mountainous. Soil, stony, 4th rate. Timber, scattering palo verde.
	S.89°49'W., on true line bet. secs. 3 and 34.
	Descend gradually over land badly cut by washes, thru scattering timber and undergrowth.
2.10	A wash, 15 lks. wide, course NW.
17.10	A wash, 10 lks. wide, course N.80° W.
36.00	Enter a wash, 20 lks. wide, 25 ft. deep, course W., from SE.
40.27	The proportional point for ¼ sec. cor. falls in wash.
41.50	Leave wash, course SW.
41.79	Set an iron post 3 ft. long 1 in. diam., 14 ins. in the ground to bedrock, with a granite rock, 7x4x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for witness ¼ sec. cor., with brass cap mkd.

Resurvey of a Portion of the South Boundary of
T. 7 S., R. 15 W.

chains	
	W C S34 ¼ S3 1934
47.75	Same wash, course NW.
58.00	Same wash, course SW.
79.50	Same wash, course N.10°W.
80.54	The cor. of secs. 3,4,33 and 34, which is a palo verde post with incomplete marks, badly decayed and rotted off at surface of a small mound of earth. At point for cor. Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3,4,33 and 34, with brass cap mkd. T7S R15W S33 | S34 S4 | S3 T8S 1934 from which The original bearing trees: A palo verde limb, dead and fallen, 8 ins. diam., bears N.23°E., 138 lks. dist., mkd. TVIIS RXVW XXXIV. A palo verde, dead and fallen, 10 ins. diam., bears S.79°E., 79 lks. dist., mkd. TVIIIS RXVW III. Raise a mound of stone 3 ft. base and 2 ft. high, west of cor. Land, rolling. Soil, gravelly and stony, 3d rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood.

Resurvey of a Portion of the East Boundary of
T. 8 S., R. 15 W.

The south 2 miles of the east boundary of T.8 S.,R.15 W., was surveyed in 1877 by T.F. White, deputy surveyor. The same was resurveyed and the east boundary was completed by L. Wolfley, deputy surveyor, in 1893. All of the boundary was resurveyed by Francis E. Joy, U.S. Cadastral Engineer, in 1930. As the corners on this boundary referring to T.8 S., R.15 W., are out of limits in measurement, the present resurvey of the north 4 miles is made for the purpose of establishing a new set of corners for R.15 W., at 40 and 80 chain intervals.

Beginning at the cor. of secs. 24 and 25, which is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.

N.0°08'W., along E. bdy. of sec. 24.

17.75	The witness cor. for secs. 19 and 30, T.8 S., R.14 W., which is an iron post 2 ins. diam., firmly set, marked and witnessed as described in the official record.
17.97	True point for cor. of secs. 19 and 30, T.8 S., R.14 W.

Resurvey of a Portion of the East Boundary of
T. 8 S., R. 15 W.

chains	
40.00	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 24, with brass cap mkd. ¼S24 | 1934 raise a mound of stone 3 ft. base and 2 ft. high, west of cor.
40.30	The ¼ sec. cor. of sec. 24, which is an iron post 1 in. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. ¼S24 | 1930 with mound of stone 2 ft. base and 1½ ft. high, west of cor.
	As this cor. now becomes an angle point, I alter the marks on brass cap to read as follows: A P / T8S / R15W | R14W / S24 | S19 / 1934
	N.0°31'E., along E. bdy. of sec. 24.
17.67	The ¼ sec. cor. sec. 19, T.8 S., R.14 W., which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record.
39.58	The cor. of secs. 13 and 24, which is an iron post 2 ins. diam., firmly set in a mound of stone 30 ins. high, with brass cap mkd. T8S | T8S / S13 | R14W / S24 / R15W | S19 / 1930
	As this cor. now becomes an angle point, I alter the marks on brass cap to read as follows: A P / T8S / R15W | R14W / S24 | S19 / 1934
	N.0°58'W., along E. bdy. of sec. 24.
.12	A point 80.00 chs. in latitude from the cor. of secs. 24 and 25.
	Set an iron post 3 ft. long 2 ins. diam., 8 ins. in the ground to bedrock, with a felsite rock, 6x5x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. of secs. 13 and 24, with brass cap mkd. T8S | T8S / S13 | R14W / S24 / R15W | S19 / 1934

U. S. GOVERNMENT PRINTING OFFICE: 1931. 6—8155

chains

N.0°58'W., along E. bdy. of sec. 13.

17.97 The cor. of secs. 18 and 19, T.8 S., R.14 W., which is an iron post 2 ins. diam., firmly set, marked and witnessed as described in the official record.

40.01 A point 40.00 chs. in latitude from the cor. of secs. 13 and 24.

Set an iron post 3 ft. long 1 in. diam., on bedrock, with a felsite rock, 4x3x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor. sec. 13, with brass cap mkd.

¼S13
1934

41.01 The ¼ sec. cor. sec. 13, which is an iron post 1 in. diam. 10 ins. above ground, firmly set, with brass cap mkd.

¼S13
1930 with a mound of stone 2 ft. base and 1½ ft. high, west of cor.

As this corner now becomes an angle point, I alter the marks on brass cap to read as follows:

A P
T8S
R15W | R14W
S13 | S18
1934

N.0°34'W., along E. bdy. of sec. 13.

16.96 The ¼ sec. cor. of sec. 18, T.8 S., R.14 W., which is an iron post 1 in. diam., firmly set, marked and witnessed as described in the official record.

39.00 A point 80.00 chs. in latitude from the cor. of secs. 13 and 24.

Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 12 and 13, with brass cap mkd.

T8S | T8S
S12 / S13 | R14W
R15W | S18
1934 raise a mound of stone 3 ft. base and 2 ft. high, west of cor.

N.0°34'W., along E. bdy. of sec. 12.

.15 The cor. of secs. 12 and 13, which is an iron post 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.

T8S | T8S
S12 / S13 | R14W
R15W | S18
1930 with a mound of stone 2 ft. base and 1½ ft. high, west of cor.

Resurvey of a Portion of the East Boundary of
T. 8 S., R. 15 W.

chains	
	As this corner now becomes an angle point, I alter the marks on brass cap to read as follows:
	A P T8S R15W | R14W S12 | S18 1934
	N.0°15'W., along E. bdy. of sec. 12.
18.59	The clos. cor. of secs. 7 and 18, T.8 S., R.14 W., which is an iron post 2 ins. diam., firmly set, marked and witnessed as described in the official record.
39.85	A point 40.00 chs. in latitude from the cor. of secs. 12 and 13.
	Set an iron post 3 ft. long 1 in. diam., 6 ins. in the ground to bedrock, with a felsite rock, 6x4x3 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor. sec. 12, with brass cap mkd.
	¼S12 | 1934
42.14	The ¼ sec. cor. sec. 12, which is an iron post 1 in. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.
	¼S12 | 1930 with a mound
	of stone 2 ft. base and 1½ ft. high, west of cor.
	As this corner now becomes an angle point, I alter the marks on brass cap to read as follows:
	A P T8S R15W | R14W S12 | S7 1934
	N.1°03'E., along E. bdy. of sec. 12.
37.72	A point 80.00 chs. in latitude from the cor. of secs. 12 and 13.
	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1 and 12, with brass cap mkd.
	T8S | T8S S1 | R14W S12 | R15W | S7 1934 raise a mound
	of stone 3 ft. base and 2 ft. high, west of cor.

	N.1°03'E., along E. bdy. of sec. 1.
1.41	The cor. of secs. 1 and 12, which is an iron post 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE: 1931 8—8155

chains	
	T8S | T8S S1 | R14W S12 | S7 R15W 1930 with a mound
	of stone 2 ft. base and 1½ ft. high, west of cor.
	As this corner now becomes an angle point, I alter the marks on brass cap to read as follows:
	A P T8S R15W | R14W S1 | S7 1934
	N.0°43'W., along E. bdy. of sec. 1.
17.52	The closing cor. of secs. 6 and 7, T.8 S., R.14 W., which is an iron post 2 ins. diam., firmly set, marked and witnessed as described in the official record.
38.59	A point 40.00 chs. in latitude from the cor. of secs. 1 and 12.
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. of sec. 1, with brass cap mkd.
	¼S1 | 1934 dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
40.22	The ¼ sec. cor. of sec. 1, which is an iron post 1 in. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.
	¼S1 | 1930 with pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
	As this corner now becomes an angle point, I alter the marks on brass cap to read as follows:
	A P T8S R15W | R14W S1 | S6 1934
	N.0°05'E., along E. bdy. of sec. 1.
39.60	The cor. of Ts.7 and 8 S., Rs.14 and 15 W., heretofore described.

10.

Resurvey of a Portion of the Subdivisions of
T. 8 S., R. 15 W.

chains	
	Reestablishment of a portion of the surveys executed by T.F. White, U.S. Deputy Surveyor, in 1877.
	From the cor. of secs. 25,26,35 and 36.
	East, on a random line bet. secs. 25 and 36.
40.15	A point 3 lks. N. of the ¼ sec. cor.
80.15	A point 5 lks. S. of the cor. of secs. 25 and 36, on E. bdy. of Tp., which is an iron post 2 ins. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.
	Thence, S.89°53'W., on true line bet. secs. 25 and 36.
	Over rolling land, thru scattering timber and undergrowth.
3.75	A wash, 10 lks. wide, course S.10°W.; ascend 57 ft. over E. slope.
10.75	A spur, slopes S.; descend 52 ft. over W. slope.
15.70	A wash, 20 lks. wide, course S.10°W.; ascend 80 ft. over E. slope.
20.55	A spur, near S. end, slopes S., descend 80 ft. over W. slope.
25.40	Foot of descent, bears N. and SE.; thence over level desert land.
37.30	A dim road, bears NW. and SE.
40.00	The ¼ sec. cor., which is the remains of a charred palo verde post in center of small mound of earth.
	At point for cor.
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S25 / S36
	1934 from which
	The original bearing trees:
	A dead and fallen palo verde, 6 ins. diam., bears N.44½° E., 60 lks. dist., blazed and shows incomplete scribe marks.
	An ironwood, 8 ins. diam., bears S.71°E., 251 lks. dist., marked with incomplete Roman numerals.
	I dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
	N.89°57'W., on true line bet. secs. 25 and 36.
40.15	The cor. of secs. 25,26,35 and 36, which is a decayed end of a palo verde post in center of small mound of earth, slight evidence of old pits.
	At point for cor.
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for cor. of secs. 25,26,35 and 36, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE: 1921 6—8155

Resurvey of a Portion of the Subdivisions of
T. 8 S., R. 15 W.

chains	
	T8S R15W S26 | S25 S35 | S36 1934 renew the pits
	18x18x12 ins., in each section, 3 ft. dist.
	Land, rolling and level. Soil, gravelly and stony; 3d rate. Timber, palo verde and ironwood. Undergrowth, greasewood.
	From the cor. of secs. 26,27,34 and 35.
	East, on a random line bet. secs. 26 and 35.
40.20	A point 20 lks. S. of the ¼ sec. cor.
80.43	A point 37 lks. S. of the cor. of secs. 25,26,35 and 36.
	Thence, S.89°45'W., on true line bet. secs. 26 and 35.
	Over level desert land, thru scattering timber and undergrowth.
10.00	A dim road, bears NW. and SE.
40.23	The ¼ sec. cor., which is a mesquite post, 3 ins. diam., faced and marked ¼S, lying on a small mound of earth.
	At point for cor.
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd. ¼ S26 S35 1934 dig pits,
	18x18x12 ins., E. and W. of post, 3 ft. dist.
	S.89°43'W., on true line bet. secs. 26 and 35.
10.00	Leave level land and ascend gradually over sand hills, bears NW. and SE.
40.20	The cor. of secs. 26,27,34 and 35, which is a mesquite post 3 ins. diam., 2 ft. above ground, incompletely marked with Roman numerals.
	In place of post, which is set alongside,
	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 26,27,34 and 35, with brass cap mkd. T8S R15W S27 | S26 S34 | S35 1934 dig pits,
	18x18x12 ins., in each sec., 3 ft. dist.
	Land, level and rolling. Soil, gravelly and sandy, 3d and 4th rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood.

Resurvey of a Portion of the Subdivisions of
T. 8 S., R. 15 W.

chains	
	Thence, north on a random line bet. secs. 26 and 27.
40.23	A point 14 lks. E. of the ¼ sec. cor.
80.37	A point 33 lks. E. of the cor. of secs. 22,23,26 and 27.
	Return to the cor. of secs. 26,27,34 and 35.
	Thence, N.0°12'W., on true line bet. secs. 26 and 27.
	Descend gradually over rolling sand hills.
29.90	Leave sand hills and enter level land; thru scattering timber and undergrowth, bears NW. and SE.
40.23	The ¼ sec. cor., which is a mesquite post 3 ins. diam., 2 ft. long, faced and showing incomplete scribe marks, lying on a small mound of earth and alongside a local survey stake.
	At point for cor.
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, with the original post set alongside, for ¼ sec. cor., with brass cap mkd.
	¼ S27 | S26 1934 dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
	N.0°16'W., on true line bet. secs. 26 and 27.
40.14	The cor. of secs. 22,23,26 and 27, which is a mesquite post, 4 ins. sq., 2 ft. long, lying on a mound of earth, marked with incomplete Roman numerals and 2 notches on each of two edges. As this cor. now refers to secs. 22 and 27, only,
	At point for cor.
	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, with the original post set alongside, for cor. of secs. 22 and 27, with brass cap mkd.
	T8S S22 | S26 S27 R15W 1934 dig pits,
	18x18x12 ins., in each section, 3 ft. dist.
	Land, level and rolling. Soil, sandy, 4th rate; and gravelly, 2d rate. Timber, scattering palo verde. Undergrowth, greasewood.

	Thence, north on a random line bet. secs. 22 and 23.
40.00	Find no trace of ¼ sec. cor.; set temp. cor.
80.00	Find no trace of cor. of secs. 14,15,22 and 23; set temp.
	Thence, north on a random line bet. secs. 14 and 15.

Resurvey of a Portion of the Subdivisions of T. 8 S., R. 15 W.

BOOK 403

chains	
40.60	A point 38 lks. E. of the ¼ sec. cor.
80.75	A point 49 lks. E. of the cor. of secs. 10,11,14 and 15.
	Return to the temp. cor. of secs.14,15,22 and 23.
	Thence, west on a random line bet. secs. 15 and 22.
39.94	Find no trace of ¼ sec. cor.
79.87	Find no trace of cor. of secs. 15,16,21 and 22.
	Continue line and measurement bet. secs. 16 and 21.
119.92	Find no trace of ¼ sec. cor.
161.20	A point 27 lks. S. of the cor. of secs. 16,17,20 and 21, which is a mesquite post 4 ins. sq., 2½ ft. above ground, firmly set and marked XVI on NE., XXI on SE., XX on SW. and XVII on NW. faces, with 3 notches on S. and 4 notches on E. edges.
	Alongside of post,
	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, with a brown glass bottle deposited at the base, for cor. of secs. 16,17,20 and 21, with brass cap mkd.
	T8S R15W S17 | S16 S20 | S21 1934
	This cor. is in sand hills; pits impracticable.

	Return to the cor. of secs. 22 and 27.
	Thence, N.0°52'W., along the E. bdy. of sec. 22.
	Over level land, thru scattering timber and undergrowth.
40.20	Proportional distance,
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ½ sec. cor. sec. 22, with brass cap mkd.
	¼ S22 1934 dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
44.00	S. edge of clearing, 30. chs. long, bears E. and W.
50.00	N. edge of clearing.
51.60	A wash, 5 lks. wide, course NW.
57.80	A wash, 20 lks. wide, course W.
75.60	Telephone line, parallel to railroad.
76.80	Telegraph line, parallel to railroad.
77.30	Center line of single track of the Southern Pacific R.R., bears N.79°52'E. and S.79°52'W.
78.10	Telegraph line, parallel to railroad.

Resurvey of a Portion of the Subdivisions of
T. 8 S., R. 15 W.

chains	
78.40	Top of levee, 6 ft. high, along railroad.
79.70	U.S. Highway No.80, parallel to railroad.
80.41	A point proportional distance in latitude between the original cor. of secs. 22,23,26 and 27 and the original ¼ sec. cor. secs. 14 and 15; and at record distance in departure east of the cor. of secs. 16,17,20 and 21.
	Set an iron post 3 ft. long 2 ins. diam., 33 ins. in the ground, with a glass bottle deposited at the base, for cor. of secs. 15 and 22, with brass cap mkd.
	T8S S15 | S23 S22 R15W 1934
	Land, level. Soil, sandy and gravelly; 2d rate. Undergrowth, greasewood. Timber, scattering palo verde and ironwood.
	N.1°12'E., on true line along E. bdy. of sec. 15.
	Over level land, thru scattering timber and undergrowth.
.35	Telephone line, bears N.80°E. and S.80°W.
1.00	Levee, 3 ft. high, protection for highway, bears N.80°E. and S.80°W.
1.20	A wash, 20 lks. wide, course S.80°W., along N. side of levee.
22.00	A wash, 15 lks. wide, course W.
40.21	The ¼ sec. cor., which is a decayed stub in small mound of earth. As this cor. now refers to sec. 15, only,
	At point for cor.
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 15, with brass cap mkd.
	¼ S15 1934 from which
	The original bearing trees:
	A palo verde, dead and fallen, 12 ins. diam., bears S.67½°E., 40 lks. dist., mkd. ¼ S.
	Dead prong of palo verde, 5 ins. diam., bears S.64½°W., 185 lks. dist., mkd. ¼ S.
	The new bearing trees:
	A palo verde, 7 ins. diam., bears S.64°W., 188 lks. dist., marked ¼ S15 BT.
	A palo verde, 6 ins. diam., bears N.52°W., 169 lks. dist., marked ¼ S15 BT.
	N.0°09'W., on true line along E. bdy. of sec. 15.
5.55	A wash, 10 lks. wide, course SW.

U.S. GOVERNMENT PRINTING OFFICE: 1934 6—8155

Resurvey of a Portion of the Subdivisions of T. 8 S., R. 15 W. BOOK 408?

chains	
7.60	A road, bears NW. and SE.
19.60	A road, bears NW. and SE.
22.10	A wash, 20 lks. wide, course W.
27.60	A wash, 20 lks. wide, course W.
32.50	A wash, 10 lks. wide, course SW.
38.50	A wash, 10 lks. wide, course W.
40.15	The cor. of secs. 10,11,14 and 15, which is the decayed remains of a palo verde post in a small mound of earth.
	At point for cor.
	Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10,11,14 and 15, with brass cap mkd.
	T8S R15W S10 | S11 S15 | S14 1934 from which
	The original bearing trees:
	A dead palo verde limb, 4 ins. diam., bears N.56½°E., 14 lks. dist., blazed, marks obliterated.
	A dead palo verde limb, 4 ins. diam., bears N.80½°E., 187 lks. dist., blazed, marks obliterated.
	A palo verde, 10 ins. diam., bears S.3¼°E., 178 lks. dist., blazed, marks rotted away.
	A dead and fallen palo verde limb, 4 ins. diam., bears S.87°W., 144 lks. dist., marked with incomplete Roman numerals.
	Raise a mound of stone 3 ft. base 2 ft. high, W. of cor.
	Land, level. Soil, gravelly, 3d rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood.
	North, on a random line bet. secs. 10 and 11.
39.99	A point 5 lks. E. of the point for ¼ sec. cor.
80.32	A point 13 lks. E. of the point for cor. of secs. 2,3,10 and 11.
	Return to the cor. of secs. 10,11,14 and 15.
	Thence, N.0°04'W., on true line bet. secs. 10 and 11.
	Over level land, thru scattering timber and undergrowth.
10.60	A dim road, bears E. and W.
13.30	Enter shallow wash, course W.
20.00	Leave wash; continue over badly washed land.
39.99	The point for ¼ sec. cor.; determined from the original west bearing tree. At this point,

Resurvey of a Portion of the Subdivisions of
T. 8 S., R. 15 W.

chains	
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S10 | S11 1934 from which
	The original bearing trees:
	A dead and fallen palo verde, 8 ins. diam., bears west, 110 lks. dist., showing incomplete scribe marks. Evidence of the original position of this tree was found.
	A palo verde, 5 ins. diam., dead and fallen, bears N.5°E. 165 lks. dist., shows old blaze; original position of this tree is not determinable.
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
	N.0°07'W., on true line bet. secs. 10 and 11.
4.60	Enter shallow wash, course W.
15.00	Leave wash.
18.00	A wash, 15 lks. wide, course SW.
39.00	Enter a wash, 150 lks. wide, course SW., from SE.
40.33	The point for cor. of secs. 2,3,10 and 11, falls in wash.
	From this point the original bearing trees:
	A dead palo verde, 9 ins. diam., bears N.29½°E., 68 lks. dist., mkd TVIII RXVW II
	A dead and fallen palo verde, 6 ins. diam., bears S.66½° E., 91 lks. dist., mkd. TVIII RXVW XI
	An ironwood, 12 ins. diam., bears S.12°W., 41 lks.dist., marked TVIII RXVW X
	A dead and fallen palo verde, 4 ins. diam., bears N.45° W., 99 lks. dist., mkd. TVIII RXVW III
	At a point N.0°04'E., 130 lks. dist., I set a witness cor. of secs. 2,3,10 and 11, hereinafter described.
	Land, nearly level, badly cut by washes. Soil, gravelly, 3d rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood.

	From the cor. of secs. 3,4,9 and 10.
	East, on a random line bet. secs. 3 and 10.
40.22	A point 6 lks. S. of the ¼ sec. cor.
80.44	A point 13 lks. S. of the true point for cor. of secs. 2,3, 10 and 11.
	Thence, S.89°54'W., on true line bet. secs. 3 and 10.
	Along wash, thru scattering timber and undergrowth.
14.00	Leave wash, course SW.

Resurvey of a Portion of the Subdivisions of [illegible] 4032
T. 8 S., R. 15 W.

chains	
14.80	A wash, 10 lks. wide, course S.10°W.
26.70	A wash, 40 lks. wide, course N.60°W.
40.22	The ¼ sec. cor., which is a stub of a palo verde post, badly decayed, in center of a mound of earth. At record courses and distances slight evidence is found of original bearing trees. At point for cor. Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd. ¼ S3 S10 1934 raise a mound of stone, 3 ft. base and 2 ft. high, north of cor. S.89°55'W., on true line bet. secs. 3 and 10.
5.20	Enter shallow wash, course N.70°W.
31.60	A road, bears NW. and SE.; leave wash.
40.22	The cor. of secs. 3,4,9 and 10, which is the remains of a charred palo verde post, 3 ins. below the surface of a small mound of earth. At point for cor. Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3,4,9 and 10, with brass cap mkd. T8S R15W S4 | S3 S9 | S10 1934 from which The original bearing trees: An ironwood, 4 ins. diam., bears N.21½°E., 229 lks.dist., marked TVIII RXVW III A dead and fallen palo verde, 10 ins. diam., bears S.80½°E., 198 lks. dist., marked with incomplete Roman numerals. The new bearing trees: An ironwood, 5 ins. diam., bears N.5½°E., 102 lks.dist., marked S3 BT. A palo verde, 8 ins. diam., bears S.74°E., 51 lks.dist., marked T8S R15W S10 BT. A palo verde, 8 ins. diam.,bears S.40°W.,63 lks. dist., marked T8S R15W S9 BT. A palo verde, 4 ins. diam.,bears N.25½°W.,78 lks. dist., marked BT. A local survey cor., bears N.26½°E., 10 lks. dist.; a redwood post, 4 ins. sq., 2 ft. above ground. Land, nearly level. Soil, gravelly, 3d rate. Timber, palo verde and ironwood; undergrowth, greasewood.

Resurvey of a Portion of the Subdivisions of
T. 8 S., R. 15 W.

chains	
	Thence, north on a random line bet. secs. 3 and 4.
40.00	Find no trace of ¼ sec. cor.
80.30	Intersect N. bdy. of Tp. at the cor. of secs., 3,4,33 and 34; heretofore described.
	Thence, South, on a true line bet. secs. 3 and 4.
	Over nearly level land, badly cut by washes, thru scattering timber and undergrowth.
11.70	A wash, 1 ch. wide, 10 ft. deep, course N.30°W.
22.40	A wash, 40 lks. wide, 8 ft. deep, course NW.
35.40	A road, bears NW. and SE.
40.23	Proportional distance,
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S4 | S3 1934 raise a mound
	of stone 3 ft. base and 2 ft. high, west of cor.
41.30	A road, bears E. and W.
41.70	Enter shallow wash, course N.60°W.; also enter heavy timber, bears with the wash.
80.15	A road, bears NE. and SW.; leave wash.
80.30	The cor. of secs. 3,4,9 and 10.
	Land, nearly level. Soil, gravelly, 3d rate. Timber, palo verde and ironwood. Undergrowth, greasewood.

Subdivisions of T. 8 S., R. 15 W.

The completion of the subdivisional lines of T.8 S., R.15 W. was initiated at the cor. of secs. 25,26,35 and 36.

As the east boundary of the township is out of limits in both alinement and distance, a sectional guide meridian is surveyed north to an intersection with the south boundary of T.7 S., R.15 W.

	From the cor. of secs. 25,26,35 and 36.
	North, on sectional guide meridian bet. secs. 25 and 26.
	Over nearly level land, thru scattering timber and undergrowth.
30.00	Ascend 91 ft. over rocky SW. slope.
40.00	Set an iron post 3 ft. long 1 in. diam., 4 ins. in the ground to bedrock, with a felsite rock, 6x3x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor., with brass cap mkd.

Subdivisions of T. 8 S., R. 15 W.

chains	
	$\frac{1}{4}$ S26 | S25 1934
	Ascend 257 ft. over SW. slope.
45.00	A spur, slopes SE.; descend 23 ft. over NW. slope.
50.30	Foot of descent; ascend 60 ft. over SW. slope.
53.30	Top of ascent; descend 326 ft. over NW. slope.
68.60	Head of wash, 10 lks. wide, course W.; ascend 21 ft. over S. slope.
70.50	Top of knoll; descend 25 ft. over N. slope.
72.70	Base of knoll; ascend 154 ft. over SE. slope.
78.90	Top of ascent; descend 77 ft. over NE. slope.
80.97	A point 80.16 chs. West of the cor. of secs. 24 and 25, on E. bdy. of Tp.;
	Set an iron post 3 ft. long 2 ins. diam., on bedrock, with a felsite rock, 8x6x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. of secs. 23,24,25 and 26, with brass cap mkd. T8S R15W S23 | S24 S26 | S25 1934
	Land, level and mountainous. Soil, gravelly and stony; 3d and 4th rate. Undergrowth; greasewood. Timber, palo verde.

	The cor. of secs. 24 and 25 on E. bdy. of T.8 S., R.15 W., is an iron post 2 ins. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.
	Thence, West, on true line bet. secs. 24 and 25.
	Over nearly level land, thru scattering timber and undergrowth.
14.25	A wash, 15 lks. wide, course S.80°W.
40.08	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S24 S25 1934 dig pits,
	18x18x12 ins., E. and W. of post, 3 ft. dist.
50.75	A wash, 15 lks. wide, course NW.
57.45	A road, bears N. and S.
73.95	Ascend 64 ft. over NE. slope.
80.16	The cor. of secs. 23,24,25 and 26.

U. S. GOVERNMENT PRINTING OFFICE: 1935 6—3155

Subdivision of T. 8 S., R. 15 W.

chains	
	Land, nearly level. Soil, gravelly, 3d rate. Timber, palo verde. Undergrowth, greasewood.
	West, on true line bet. secs. 23 and 26.
	Ascend 93 ft. over NE. slope.
4.80	Top of ascent, slopes NW.; descend 147 ft. over W. slope.
12.30	Foot of descent; thence over level land.
19.20	Ascend 45 ft. over NE. slope.
21.40	Top of knoll; descend 80 ft. over SW. slope.
26.30	Foot of descent; thence over level land, thru scattering timber and undergrowth.
40.00	Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. sec. 23, with brass cap mkd. ¼S23 1934 dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
40.64	A point 40.00 chs. in departure from the cor. of secs. 22 and 27. Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. sec. 26, with brass cap mkd. ¼S26 1934 dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
80.64	Intersect the E. bdy. of sec. 22. Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 23 and 26, with brass cap mkd. S22 | T8S / S23 / S26 CC / R15W 1934 dig pits, 18x18x12 ins., N., S. and E. of post, 3 ft. dist. From this point the cor. of secs. 22 and 27 bears S.0°52'E., 1.03 chs. dist.; heretofore described. Land, level and hilly. Soil, sandy and gravelly, 2d and 4th rates. Timber, palo verde and catclaw. Undergrowth, greasewood.

U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8155

chains	
	Return to the cor. of secs. 23,24,25 and 26.
	Thence, North, on sectional guide meridian bet. secs. 23 and 24.
	Descend 63 ft. over NE. slope.
7.10	Bottom of descent; thence over nearly level land, thru scattering timber and undergrowth.
20.75	A wash, 20 lks. wide, course N.30°W.
22.00	A wash, 25 lks. wide, course NW.
40.00	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S23 | S24 1934 dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
80.00	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for cor. of secs. 13,14,23 and 24, with brass cap mkd.
	T8S R15W S14 | S13 S23 | S24 1934 dig pits,
	18x18x12 ins., in each sec., 3 ft. dist.
	From this point the railroad station at Mohawk bears N.67°22'E.
	Land, nearly level. Soil, sandy, 2d rate. Timber, palo verde and catclaw. Undergrowth, greasewood.

	East, on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.43	A point 7 lks. S. of the cor. of secs. 13 and 24, on E. bdy. of Tp.
	Thence, S.89°57'W., on true line bet. secs. 13 and 24.
	Over hilly land, thru scattering timber and undergrowth.
3.30	Descend 73 ft. over NW. slope.
15.40	A wash, 15 lks. wide, 10 ft. deep, course SW.; thence over nearly level land.
40.21	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S13 S24 1934 dig pits,
	18x18x12 ins., E. and W. of post, 3 ft. dist.

Subdivision of T. 8 S., R. 15 W.

chains	
42.70	A road, bears N. and S.
52.20	A wash, 10 lks. wide, course SW.
80.43	The cor. of secs. 13,14,23 and 24.
	Land, level and hilly. Soil, gravelly and stony, 3d rate. Undergrowth, greasewood. Timber, palo verde.
	West, on true line bet. secs. 14 and 23.
	Over level land, thru timber and undergrowth.
40.00	Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S14 / S23 1934
	from which
	An ironwood, 7 ins. diam., bears N.82°E., 99 lks. dist., marked ¼ S14 BT.
	An ironwood, 24 ins. diam., bears S.7½°E., 119 lks. dist., marked ¼ S23 BT.
51.50	Telephone line, parallels railroad.
58.00	Telegraph line, parallels railroad.
60.70	Center line of single track of the Southern Pacific railroad, bears N.79°52'E. and S.79°52'W.
64.80	Telegraph line, parallels railroad.
66.00	Levee, 5 ft. high, parallels railroad.
74.00	U.S. Highway No. 80, parallels railroad.
78.00	Telephone line, parallels highway.
81.80	Intersect the E. bdy. of sec. 15.
	Set an iron post 3 ft. long 2 ins. diam., 26 ins. in the ground, with a white glass bottle deposited at the base, for closing cor. of secs. 14 and 23, with brass cap mkd.
	S15 | T8S / S14 / S23 CC / R15W 1934
	This cor. is on N. edge of levee 2½ ft. high, parallel to highway; pits impracticable.
	From this point the cor. of secs. 15 and 22 bears S.1°12'W., 59 lks. dist.; heretofore described.
	Land, level. Soil, sandy, 2d rate. Timber, palo verde, ironwood and catclaw. Undergrowth, greasewood.

U. S. GOVERNMENT PRINTING OFFICE: 1931 — 6—8155

chains	
	At a point on the E. bdy. of sec. 22, which is midway in latitude bet. the NW. and SW. cors. of sec. 23.
	Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. sec. 23, with brass cap mkd.
	¼S23 | 1934
	dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
	From this point the ¼ sec. cor. on E. bdy. sec. 22 bears S.0°52'E., 81 lks. dist.; heretofore described.
	From the cor. of secs. 13,14,23 and 24.
	North, on sectional guide meridian bet. secs. 13 and 14.
	Over level land, thru timber and undergrowth.
9.20	Telephone line, parallels railroad.
10.35	Telegraph line, parallels railroad.
10.85	Center line of single track of Southern Pacific railroad, bears N.79°52'E. and S.79°52'W.
11.60	Telegraph line, parallels railroad.
21.00	U.S. Highway No. 80, parallels railroad.
21.60	Telephone line, parallels highway.
26.50	A wash, 15 lks. wide, course S.60°W.
40.00	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S14 | S13 1934
	dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.
44.80	A wash, 10 lks. wide, course S.15°W.
60.00	Ascend S. slope, 118 ft.
66.24	Top of ascent, bears E. and W.; the railroad station at Mohawk bears S.36°40'E.; descend 102 ft. on N. slope.
72.00	A wash, 15 lks. wide, 12 ft. deep, course S.75°W.
76.00	Ascend 28 ft. over SW. slope.
80.00	Set an iron post 3 ft. long 2 ins. diam., 5 ins. in the ground to bedrock, with a felsite rock, 5x4x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. of secs. 11,12,13 and 14, with brass cap mkd.
	T8S R15W S11 | S12 S14 | S13 1934
	From this point two adobe kilns bear S.49°W.,15 chs.dist.

Subdivision of T. 8 S., R. 15 W.

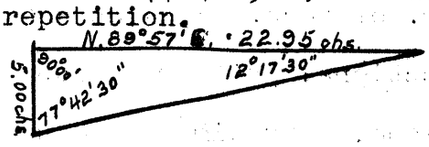
chains

Land, level and hilly.
Soil, gravelly and stony, 3d rate.
Timber, palo verde.
Undergrowth, greasewood.

N.89°57'E., on a random line bet. secs. 12 and 13.

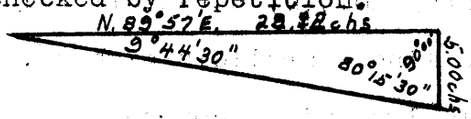
27.28 Temp. point for further reference.

39.94 Set temp. witness ¼ sec. cor., at base of bluffs and cliffs; return to the flag at 27.28 chs., from which the vertical angle to a flag on the random line is + 17°; an auxiliary flag is set S.0°03'E., 5.00 chs. dist.; from the latter flag the angle subtended between the two flags on the random line is 77°42'30"; all deflection angles are checked by repetition.



Distance on random lines	27.28 chs.
Distance by triangulation	22.95 "
	50.23 chs.

50.23 Flag on top of Mohawk Mts.; from this point the vertical angle to flag on random line ahead is -.16°; from latter flag an auxiliary flag bears S.0°03'E., 5.00 chs. dist.; from the auxiliary flag the angle subtended between the two flags on the random line is 80°15'30"; all deflection angles are checked by repetition.



Distance on random line	50.23 chs.
Distance by triangulation	29.12 "
	79.35 "
Distance by return measurement	.08 "
	79.27 "

79.27 A point 7 lks. S. of the cor. of secs. 12 and 13, on E. bdy. of Tp.; heretofore described.

Thence, S.89°54'W., on true line bet. secs. 12 and 13.

Ascend 530 ft. over rough and broken NE. slope.

29.04 Top of Mohawk Mountain, bears NW. and SE.; descend 319 ft. over W. slope.

39.27 True point for ¼ sec. cor.; falls on face of bluff.

39.33 Set an iron post 3 ft. long 1 in. diam., on bedrock, with a felsite rock, 6x5x4 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor., with brass cap mkd.

W C
¼ S12
S13

1934

Ascend 22 ft. crossing canyon, 70 ft. deep, course SW.

41.02 A spur, slopes S.; descend 144 ft. over broken SW. slope.

47.00 Foot of steep descent; descend gradually.

U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8155

chains	
51.99	Ascend 74 ft. over SE. slope of knoll.
56.90	Top of knoll; descend 65 ft. over NW. slope.
61.50	Base of knoll and ascend 45 ft. over NE. slope.
64.40	Top of knoll; descend 65 ft. over SW. slope.
69.30	Base of knoll; descend gradually.
79.27	The cor. of secs. 11,12,13 and 14.
	Land, mountainous and rolling. Soil, rocky, 4th rate; and gravelly, 3d rate. Timber, scattering palo verde. Undergrowth, scattering greasewood.

	West, on a random line bet. secs.11 and 14.
40.00	Set temp. ¼ sec. cor.
81.03	A point 12 lks. N. of the cor. of secs. 10,11,14 and 15.
	Return to the cor. of secs. 11,12,13 and 14.
	Thence, S.89°55'W., on true line bet. secs. 11 and 14.
	Over rolling land, thru scattering timber and undergrowth.
9.60	A dim road, bears NE. and SW.
12.40	A prospect hole, a shaft 10 ft. sq. and 15 ft. deep, bears south, 40 lks. dist.
26.40	A road, bears NW. and SE.
40.00	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap mkd. ¼ S11 / S14 1934 from which A palo verde, 7 ins. diam., bears S.22°45'W.,39 lks. dist., mkd. ¼ S14 BT. A palo verde, 5 ins. diam., bears N.31°W., 53 lks. dist., mkd. BT.
81.03	The cor. of secs. 10,11,14 and 15.
	Land, rolling. Soil, stony, 3d and 4th rate. Timber, palo verde. Undergrowth, greasewood.

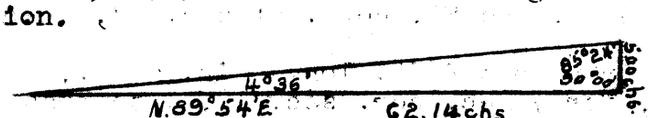
	At a point on the E. bdy. of sec. 15, midway in latitude bet. the NW. and SW. cors. of sec. 14,
	Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 14, with brass cap mkd. ¼S14 1934 dig pits,
	18x18x12 ins., N. and S. of post, 3 ft. dist.

Subdivision of T. 8 S., R. 15 W.

chains	
	From this point the ¼ sec. cor. on E. bdy. sec. 15 bears S.0°09'E., 27 lks. dist.; heretofore described.

	From the cor. of secs. 11,12,13 and 14.
	North, on sectional guide meridian bet. secs. 11 and 12.
	Ascend 14 ft. over S. slope, thru scattering timber and undergrowth.
2.90	Top of knoll; descend 34 ft. over N. slope.
7.10	A shaft 30 ft. deep ending in a stope, bears east, 15 lks. dist.
7.30	A wash, 30 lks. wide, course S.75°W.
27.25	A wash, 15 lks. wide, course S.60°W.
33.80	A wash, 40 lks. wide, course S.75°W.
36.70	Ascend 47 ft. over SW. slope.
40.00	Set an iron post 3 ft. long 1 in. diam., on bedrock, with a felsite rock, 6x6x3 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor., with brass cap mkd. ¼ S11 | S12 1934
	Ascend 577 ft. over SW. slope.
50.00	A spur, slopes W.; descend 300 ft. over NW. slope.
60.00	A canyon, course SW.; ascend 857 ft. over SW. slope.
80.00	True point for cor. of secs. 1,2,11 and 12; falls on edge of steep ledge and is not a suitable place for establishment of permanent cor. monument; at a point 10 lks. N., I set a witness cor., hereinafter described.
	Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, palo verde. Undergrowth, greasewood.

	Thence from true point for cor. of secs. 1,2,11 and 12.
	N.89°54½E., on a random line bet. secs. 1 and 12.
4.43	Top of precipitous bluffs; vertical angle to flag on random line is -18°; from latter point an auxiliary flag bears N.0°06'W., 5.00 chs. dist.; at the auxiliary flag the angle subtended between the two flags on the random line is 85°24'; all deflection angles are checked by repetition.



	4.43. chs.
Distance on random line	62.14 "
Distance by triangulation	66.57 "
Distance by return measurement	26.57 "
	40.00

40.00	Set temp. ¼ sec. cor.

U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8155

chains	
79.68	A point 21 lks. N. of the cor. of secs. 1 and 12, on E. bdy. of Tp.; heretofore described. Thence, N.89°57'W., on true line bet. secs. 1 and 12. Ascend 147 ft. over NE. slope; thru scattering timber and undergrowth.
29.26	A shaft, about 150 ft. deep, on line.
33.11	A shaft, about 200 ft. deep, bears north, 30 lks. dist.
39.68	Set an iron post 3 ft. long 1 in. diam., on bedrock, with a felsite rock, 6x4x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor., with brass cap mkd. ¼ S 1 / ¼ S12 1934 Ascend 1143 ft. over bluffs and cliffs.
75.25	Top of Mohawk Mountain, bears NW. and SE.; descend 24 ft. over SW. slope.
79.68	True point for cor. of secs. 1,2,11 and 12. Land, rolling and mountainous. Soil, rocky, 3d and 4th rate. Undergrowth, greasewood. Timber, palo verde.

	Thence, from true point for cor. of secs. 1,2,11 and 12. North, on sectional guide meridian bet. secs. 1 and 2. Ascend 22 ft. over SW. slope.
.10	Set an iron post 3 ft. long 2 ins. diam., on bedrock, with a felsite rock, 6x4x4 ins., mkd. X, deposited at the base, and in a mound of stone to top, for witness cor. secs. 1,2,11 and 12, with brass cap mkd. W. C. T8 S R15W S2 | S1 S11 | S12 1934
.37	Top of Mohawk Mountain, bears NW. and SE.; descend 1143 ft. over cliffs and bluffs impractical to chain; the vertical angle to a flag on line is -20°; from which an auxiliary flag bears west, 4.40 chs. dist.; the angle subtended between the flags on the line is 85°20': all angles are checked by repetition. 4.40 chs 85°20' North 53.90 chs. Distance on line 0.37 chs. Distance by triangulation 53.90 " 54.27 " Distance by return measurement 14.27 " 40.00 "

Subdivision of T. 8 S., R. 15 W.

chains	
40.00	Set an iron post 3 ft. long 1 in.diam., on bedrock,with a felsite stone, 4x4x2 ins., mkd. X, deposited at the base, and in a mound of stone to top,for ¼ sec. cor., with brass cap mkd. ¼ S2 | S1 1934
	Descend 97 ft.
54.27	Triangulation point.
59.10	A wash, 30 lks. wide, 10 ft. deep, course N.75°E.
64.50	A wash, 30 lks. wide, 12 ft. deep, course E. about 2 chs., thence N.15°E.; ascend 69 ft. over S. slope.
68.40	Top of knoll; descend 113 ft. over N. slope.
75.50	Descend 34 ft. over bank to wash, 100 lks. wide, course N.10°W.
80.55	Intersect N. bdy. of Tp. Set an iron post 3 ft. long 2 ins. diam., 30 ins. in the ground, for closing cor. of secs. 1 and 2, with brass cap mkd. T7S R15W S36 S2 | S1 T8S R15W C C 1934 raise a mound of stone 3 ft. base and 2 ft. high, south of cor. From this point the cor. of secs. 35 and 36, on S. bdy. of T.7 S., R.15 W., bears S.89°53'W., 92 lks. dist.; heretofore described. Land, mountainous and rolling. Soil, rocky, 4th rate; and gravelly, 3d rate. Timber, scattering palo verde and mesquite. Undergrowth, greasewood.

At a point on the S. bdy. of sec. 36, T.7 S.,R.15 W., 40.00 chs. in departure from the clos. cor. of secs. 1 and 2, T.8 S.,

Set an iron post 3 ft. long 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 1, with brass cap mkd.

¼ S1

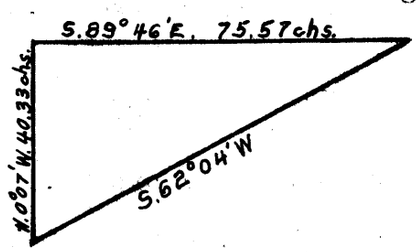
1934 dig pits,

18x18x12 ins., E. and W. of post, 3 ft. dist.

From this point the ¼ sec. cor. on S. bdy. sec. 36, bears S.89°52'W., 74 lks. dist.; heretofore described.

U. S. GOVERNMENT PRINTING OFFICE: 1931. 6—8155

chains	
	At a point on the S. bdy. of sec. 35, T.7 S., R.15 W., 40.00 chs. in departure west of the clos. cor. of secs. 1 and 2, T.8 S.,
	Set an iron post 3 ft. long 1 in. diam., on bedrock, with a felsite rock, 4x4x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for ¼ sec. cor. sec. 2, with brass cap mkd.
	$\frac{\frac{1}{4}S\ 2}{1934}$
	From this point the ¼ sec. cor. on S. bdy. sec. 35 bears S.89°49'W., 119 lks. dist.; heretofore described.

	From true point for cor. of secs. 2,3,10 and 11.
	S.89°46'E., on a random line bet. secs. 2 and 11.
38.00	From this point the vertical angle to a flag on line on top of the Mohawk Mountains is +31°.
41.50	Set temp. ¼ sec. cor. near the base of Mohawk Mountains; impractical to proceed with chaining.
	From the flag on line on top of the Mohawk Mts. the ¼ sec. cor. secs. 10 and 11 bears S.62°04'W.; from this ¼ sec. cor. the true point for cor. of secs. 2,3,10 and 11 bears N.0°07'W., 40.33 chs. dist.; all bearings checked by direct reading of the solar and all angles checked by deflection.
	
	Distance by triangulation from true point for cor. of secs. 2,3,10 and 11 is 75.57 chs.
81.26	Intersect the true point for cor. of secs. 1,2,11 and 12.
	Thence, N.89°46'W., on true line bet. secs. 2 and 11.
	Over rough mountainous land.
	Ascend 18 ft. over SE. slope.
1.90	A narrow rock ledge; descend 53 ft.
5.69	A spur, slopes S.20°W.; descend 1171 ft. over cliffs and bluffs on SW. slope.
39.79	Set an iron post 3 ft. long 1 in. diam., 3 ins. in the ground to bedrock, with a granite rock, 6x4x3 ins., mkd. X, deposited at the base, and in a mound of stone to top, for witness ¼ sec. cor., with brass cap mkd.
	$\frac{\frac{1}{4}\ \frac{W\ C}{S\ 2}}{S11}$
	1934
40.00	True point for ¼ sec. cor. falls on steep bedrock; not a suitable place for establishment of permanent cor.monument.

Subdivision of T. 8 S., R. 15 W.

chains	
	Descend 106 ft. over W. slope.
44.45	A wash, 10 lks. wide, course SW.; continue over rolling land, thru scattering timber and undergrowth.
51.75	A wash, 50 lks. wide, course S.
68.55	A wash, 20 lks. wide, course S.
73.25	Enter wash, course W.; from SE.
81.26	The true point for cor. of secs. 2,3,10 and 11.
	Land, rolling and mountainous. Soil, rocky, 4th rate; and gravelly, 3d rate. Timber, palo verde and mesquite. Undergrowth, greasewood.

	Thence, north on a random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.35	A point 10 lks. W. of the cor. of secs. 2,3,34 and 35, on N. bdy. of Tp.; heretofore described.
	Thence, S.0°04'W., on true line bet. secs. 2 and 3.
	Over rolling land, thru scattering timber and undergrowth.
1.05	A wash, 20 lks. wide, course W.
5.35	A wash, 40 lks. wide, course NW.; ascend 98 ft. on N. slope.
9.30	Top of low ridge, bears E. and W.; descend 59 ft. over S. slope.
15.35	A wash, 20 lks. wide, course W.
18.50	A wash, 20 lks. wide, course NW.; ascend 722 ft. over N. slope.
39.83	Set an iron post 3 ft. long 1 in. diam., 3 ins. in the ground to bedrock, with a granite rock, 8x6x2 ins., mkd. X, deposited at the base, and in a mound of stone to top, for witness ¼ sec. cor., with brass cap mkd. W C ¼ S3 | S2 1934
40.26	True point for ¼ sec. cor. falls on steep bedrock; not possible to establish permanent cor. monument.
	Ascend 175 ft. over N. slope.
43.25	Top of ridge, spur from the Mohawk Mts., bears N.60°W. and S.60°E.; descend 772 ft. over S. slope.
62.75	Base of ridge; continue over rolling land.
67.05	A wash, 50 lks. wide, course SW.
76.45	A wash, 20 lks. wide, course W.
79.05	Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for witness cor. of secs. 2,3,10 and 11, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8155

chains	
	W C T8S R15W S3 S2 S10 S11 1934 raise a mound
	of stone 3 ft. base and 2 ft. high, west of cor.
79.85	Enter wash, course W. and SW.
80.35	True point for cor. of secs. 2,3,10 and 11.
	Land, mountainous and rolling. Soil, rocky, 4th rate; and gravelly, 3d rate. Timber, palo verde and mesquite. Undergrowth, greasewood.

FINAL TEST OF SOLAR ATTACHMENT.

April 2: On the camp meridian hereinbefore described at 8h 0m a.m., app.t., I set off 32°42'N. on the latitude arc; 4°50½'N. on the declination arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 4h 0m p.m., app.t., I set off 32°42'N. on the latitude arc; 4°58'N. on the declination arc; and repeat the solar test; the line of sight agrees with the meridian established by Polaris observation.

April 2, 1934.

GENERAL DESCRIPTION

That portion of T.8 S., R.15 W. covered by the foregoing survey includes sec. 3 and the first and second ranges excepting secs. 35 and 36. The altitude varies from 500 to 2000 ft. in elevation, the highest point being on top of the Mohawk Mountains and near the cor. of secs. 1,2,11 and 12. The Mohawk Mountains extend approximately one half mile beyond the N. boundary of the township.

The soil in the level sections is sandy and gravelly while in the mountainous area barren rock predominates. Parts of secs. 11,13,14,23,24,25 and 26 provide agricultural possibilities if sufficient water for irrigation can be obtained.

The ground cover consists of palo verde, mesquite, ironwood, and greasewood and more or less cacti.

The main line of the Southern Pacific railroad, paralleled by U.S. Highway No. 80, passes thru secs. 13 and 14 with a general bearing of E. and W. The postoffice and railroad station of Mohawk is in the S½ of sec. 13. The village consists of a couple of stores, garage and service station supporting about 25 to 30 people. Domestic water is supplied by the Southern Pacific, being hauled by train from elsewhere.

Considerable evidence of mining operations, now abandoned, is found along the line bet. secs. 1 and 12, consisting of a couple of deep shafts and cement foundations for buildings.

U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8155

35
32

BOOK 4032

4—680
(August, 1926)

FIELD ASSISTANTS.

NAMES.	CAPACITY.
T. H. Burris	Chainman
Wallace Reid	Chainman.
Jack Sheley	Chainman.
Otho Thornton	Chainman.
John Midzor	Flagman.
W. H. Shelden	Flagman.
Arthur A. Kidd	Axman.
Olliver H. Miller	Axman.
A. H. Hargrave	Axman.
Walter C. Smith	Axman.
E. A. Robart	Moundman.
Stanley E. Wood	Moundman.
J. I. Meskimons	Moundman.

6—2764

36

33

BOOK 4032

CERTIFICATE OF UNITED STATES SURVEYOR

We, Francis E. Joy, U.S. Cadastral Engineer, and Robert H. Fischer, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 4th day of October, 1933, we have well, faithfully, and truly in our own proper persons and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed a portion of the South Boundary of Township 7 South, Range 15 West; resurveyed a portion of the East Boundary, and surveyed and resurveyed a portion of the subdivisional lines completing the subdivision of Township 8 South, Range 15 West, ... 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 us, and under our 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.

Francis E. Joy,
U.S. Cadastral Engineer.
September 7, 1934,
Glendale, California.

Robert H. Fischer
U. S. Transitman,
April 7, 1934,
Phoenix, Arizona.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, February 23, 1935

The foregoing field notes of the resurvey of a portion of the South Boundary of Township 7 South, Range 15 West; resurvey of a portion of the East Boundary, and survey and resurvey of a portion of the subdivisional lines completing the subdivision of Township 8 South, Range 15 West, of the Gila and Salt River Meridian, in the State of Arizona,

executed by (Francis E. Joy, U.S. Cadastral Engineer, and Robert H. Fischer, U.S. Transitman,

under their special instructions dated October 4, 1933, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys therein described, 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.~~

U. S. GOVERNMENT PRINTING OFFICE: 1927 6—2764