4150

131

Original

4—679
(April 1933)

BOOK 4150

Book A.

FIELD NOTES

OF

The Resurvey of a Portion of the E. Bdy. and Subdivision, and the Subdivision of section 12,

T.23 N.,R.21 E.,

Of the Gila and Salt River *Meridian,*

In the State of Arizona

EXECUTED BY

Benjamin J. Kinsey, Cadastral Engineer,

General Land Office,

Under special instructions dated May 5, *19* 38, *which provided for the surveys included under Group No.* 222, *bearing the approval of the Commissioner of the General Land Office under date of* May 18, 1938 *and assignment instructions dated* May 26, *19*38

Survey commenced June 1, *19* 38

Survey completed June 18, *19* 38.

U. S. GOVERNMENT PRINTING OFFICE 6—151

4150

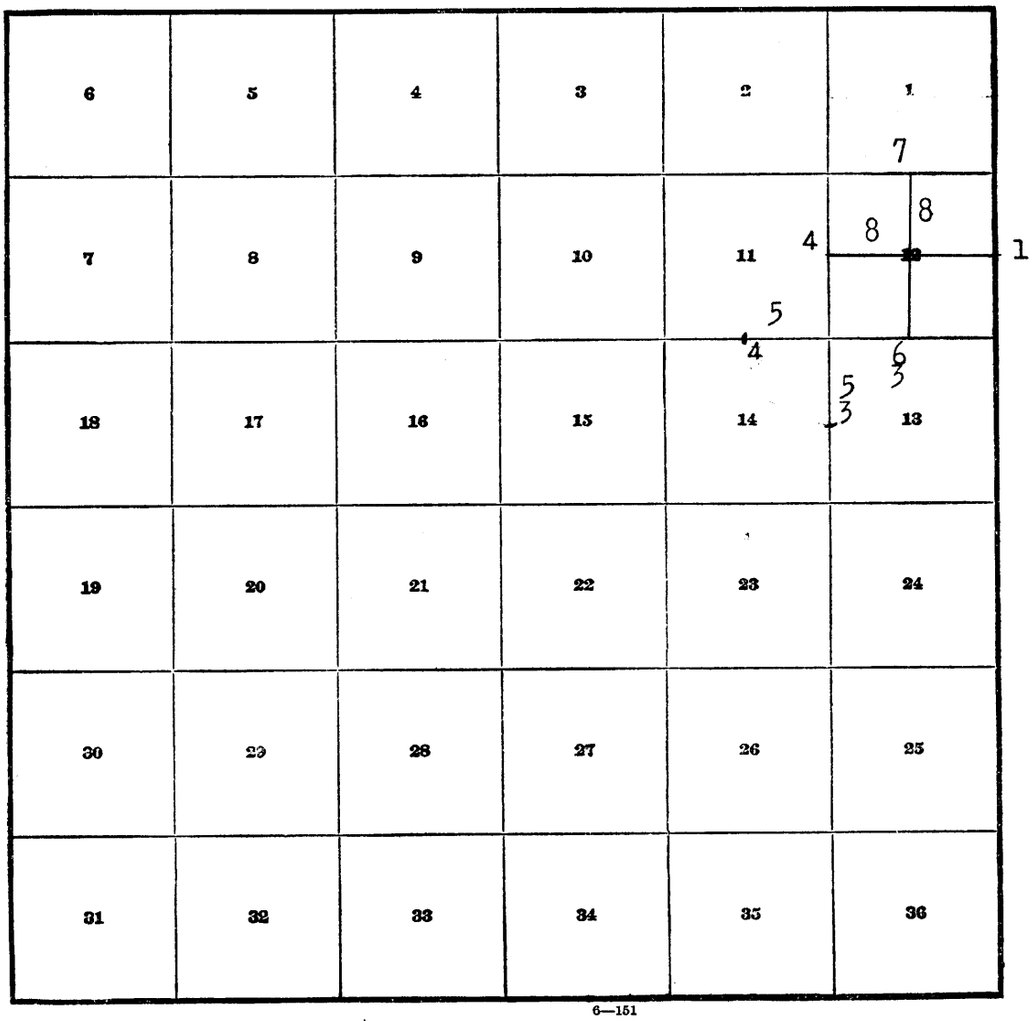
4150

132

BOOK 4150

INDEX DIAGRAM.

Township 23 North, *Range* 21 East, G.& S.R.M.



6—151

Chains

This resurvey and survey in T.23 N.,R.21 E.,was executed with a Buff light mountain transit, No.18,000, of 1926 model, which is equipped with a full vertical circle and the Smith solar attachment and otherwise conforms to the standard specifications of the General Land Office. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the District Cadastral Engineer on May 26, , 1938, conditional upon satisfactory field tests. I examined all the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all lines were determined by solar transit method. The measurements were made with a Lufkin steel tape, 5 chs. in length, graduated every link for the first 100 lks. and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin 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.

May 8,1938: At my station in the southwest quarter of sec. 12, T.20 N.,R.26 E., the geographic position of which as determined from a state map is latitude 35°8.5'N.,and longitude 109°32'W., at 4h 41.2m a.m.,l.m.t., I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground 5 chs. N. After sunrise, I lay off the azimuth of Polaris, 1°15½' to the west and mark a point in the meridian thus determined by a nail in a second peg driven firmly in the ground 5 chs. N.

In order to verify the latitude of this station and the reading of my watch, I make a meridian observation of the sun, first setting on the lower limb and noting the transit of the west limb, then after reversal of the instrument setting on the upper limb and noting the transit of the east limb, as follows:

Mean observed altitude ----------	71°56'07"
Reduced latitude ----------	35°08'08"
Mean watch time of observation ---------	12h14m53s
Watch fast of l.m.t.----------	18m26s
Same by reference radio signals and calculated difference in longitude----	18m08s.

Every 30 min. from 6 to 10.30 a.m. and from 1.30 to 6 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 1'.

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

The exterior and subdivisional lines of T.23 N.,R.21 E., were surveyed by A.P.Johnson, U.S.D.S.,in 1883. No retracements or resurveys in this township are of record.

From the cor. of secs. 7, 12, 13 and 18, on E. bdy. of T.,

North, on a random line bet. secs. 7 and 12.

Resurvey of a Portion of the E. Bdy. of
T.23 N.,R.21 E.

Chains	
40.00	Find no trace of the original ¼ sec. cor. Set temp. cor.
74.80	A point 83 lks. W. of the cor. of secs. 1, 6, 7 and 12.
	I return to the cor. of secs. 7, 12, 13 and 18, which is a lava stone, 14 x 8 x 6 ins., set in the center of a very old mound of earth and stone. The marks on corner stone have almost disappeared due to erosion; some scratches are visible but not legible. Due to the difference in latitudinal position with the corner system of the original survey to N.,S. and W. of about 5 chs., I make a very thorough search in this vicinity for evidence of another corner monument of the 1883 survey. After weighing carefully all evidence, and measuring south from this corner monument to the south rim of Bito Hochee Mountain, the distance to which agrees within a few links with the record distance of 24.32 chs., also the fact that this corner monument is nearly on line between the original section corners to N. and S.,I accept this monument as the original corner. The record description of the stone is a lava stone 24 x 12 x 7 ins.; the stone found in center of mound is somewhat shorter, but has been broken off. The style and age of mound qualifies for the date of survey. I conclude that the original surveyor had difficulty in reaching the true point for cor. of secs. 7, 12, 13 and 18, due to the precipitous and high slopes of Bito Hochee Mountain, and that an error of about 5 chs. developed in his system of determining the distance to the top of the south edge of the mountain.
	At point for cor.,
	Set an iron post, 3 ft. long, 2 ins. diam.,18 ins. in the ground to bedrock, with the old corner stone alongside, and in a mound of stone to top, for cor. of secs. 7, 12, 13 and 18, with brass cap mkd.
	T23N R21E | R22E S 12 | S 7 --- S 13 | S 18 1883 1938
	from corner,
	A lava stone, 12 x 10x 8 ins. above ground, mkd. for cor. of secs. 7, 12, 13 and 18, bears S.3°33'E.,5.05 chs. dist. This stone was set by the Soil Conservation Survey.
	Thence
	N.0°38'E., on a true line bet. secs. 7 and 12.
	Over mountainous land, through scattering undergrowth.
	Along W. slope.
3.50	Spur, slopes NW.; desc. 119 ft. over NE. slope.
10.70	Wash, 15 lks. wide, course E.; asc. 82 ft. over SE.slope.
17.20	Spur, slopes E.; desc. 258 ft. over NE. slope.
28.30	Junction of washes near heads, from NW. and SW., drains NE.; asc. 9 ft. over SE. slope.
34.20	Spur, slopes NE. A sanstone, 12 x 9 x 8 ins.,mkd. for witness ¼ sec. cor., bears W.,30 lks. dist. This stone was set by the Soil Conservation Survey.

U. S. GOVERNMENT PRINTING OFFICE 6—8155

Resurvey of a Portion of the E. Bdy. of
T.23 N.,R.21 E.

Chains	
	Desc. 74 ft. over steep bad land formation.
37.40	Midpoint,
	Set an iron post, 3 ft. long, 1 in. diam.,16 ins. in the ground to bedrock, with a stone 5 x 5 x 4 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 12 | S 7 1883 1938
	Desc. 29 ft. over NW. slope.
40.00	Desc. gradually over NW. slope.
42.00	Wash, 10 lks. wide, course NW.
69.00	Wash, 1 ch. wide, with vertical banks, 8 ft. high, course W. Asc. gradually to
74.80	The cor. of secs. 1, 6, 7 and 12, which is a sandstone, 10 x 9 x 3 ins.,mkd. with 4 grooves on one face and 2 grooves on another. Alongside of same is a sandstone, 9 x 6 x 6 ins. above ground, mkd. S C S on SE.,12 on SW. and 1 on NW. faces, set by the Soil Conservation Survey. Both stones are set in a mound of stone. At point for cor.,
	Set an iron post, 3 ft. long, 2 ins. diam.,26 ins. in the ground, with the original cor. stone deposited at the base, for cor. of secs. 1, 6, 7 and 12, with brass cap mkd.
	T23N R21E | R22E S 1 | S 6 S 12 | S 7 1883 1938
	Rebuild the mound of stone around post.
	Land, S. half, mountainous; N.half,rolling. Soil, S. half,rocky, 4th. rate;N.half,sandy,3rd. rate. Undergrowth, very little. Some grass and weeds.

Resurvey of a Portion of the Subdivision of
T.23 N.,R.21 E.

	From the ¼ sec. cor. of secs. 13 and 14,
	North, on a random line bet. secs. 13 and 14.
40.00	Find no evidence of the cor. of secs. 11, 12, 13 and 14.
	Set temp. cor.
	Thence
	East, on a random line bet. secs. 12 and 13.
40.00	Find no evidence of ¼ sec. cor. Set temp.
79.74	A point 4.68 chs. S. of the cor. of secs. 7, 12, 13 and

Resurvey of a Portion of the Subdivision of
T.23 N.,R.21 E.

Chains	
	18, on E. bdy. of Tp.
	From the temp. cor. of secs. 11, 12, 13 and 14,
	West, on a random line bet. secs. 11 and 14.
40.12	A point 14 lks. N. of the ¼ sec. cor. of secs. 11 and 14.
	From the temp. cor. of secs. 11, 12, 13 and 14,
	North, on a random line bet. secs. 11 and 12.
39.56	A point 20 lks. W. of the ¼ sec. cor. of secs. 11 and 12.
	Thence from ¼ sec. cor.
	North, on a random line bet. secs. 11 and 12.
39.68	A point 6 lks. W. of the cor. of secs. 1, 2, 11 and 12, which is a lava stone, 20 x 14 x 10 ins. mkd. with 5 grooves faintly but unmistakably on one face, and lying in a mound of stone. Alongside this original stone cor. is another stone, 14 x 10 x 10 ins. above ground, firmly set, and mkd.for the proper sections, which was set in 1937, by Harry E. Jones of the Soil Conservation Service.
	At point for cor.,
	Set an iron post, 3 ft. long, 2 ins. diam.,18 ins. in the ground to bedrock, with the original cor. stone deposited alongside, and the other marked stone undisturbed, for cor. of secs. 1, 2, 11 and 12, with brass cap mkd.
	T23N R21E S 2 | S 1 S 11 | S 12 1883 1938
	Rebuild the mound of stone around post.
	Thence
	S.0°05'W., on a true line bet. secs. 11 and 12.
	Over rolling land, through scattering undergrowth.
	Desc. gradually over SE. slope.
14.50	Wash, 1 ch. wide, with vertical banks, 6 ft. high, course SE.; asc. gradually over N. slope.
30.00	Low spur, slopes E.; desc. gradual SE. slope.
39.68	The ¼ sec. cor. of secs. 11 and 12, which is a lava stone, 16 x 10 x 8 ins., mkd. ¼ on W. face, and set in a mound of stone. In the same mound, is another stone mkd. for ¼ sec. cor., which was set by the Soil Conservation Service. The size of this stone is 10 x 9 x 8 ins.
	At point for cor.,
	Set an iron post, 3 ft. long, 1 in. diam.,26 ins. in the ground, with the original cor. stone deposited alongside, and the other marked stone undisturbed, for ¼ sec. cor. with brass cap mkd.
	¼ S 11 | S 12 1883 1938

U. S. GOVERNMENT PRINTING OFFICE 6—8155

Resurvey of a Portion of the Subdivision of
T.23 N.,R.21 E.

Chains	
	Raise a mound of stone, 4 ft. base, 2 ft. high W. of cor.
	From cor., the SW. end of Bito Hochee Mt.,bears S.50°E.; a black rock on NE. cor. of Bito Hochee Mt.,bears S.79°38' E.; the south end of Indian Wells store, bears S.87°50'W.; the SW. cor. of the Lore Trading Co. store, bears S.61°15' E.; the SW. cor. of Lore's land, as claimed, bears S.33° 40'E.
	Thence
	S.0°30'W., on a true line bet. secs. 11 and 12.
	Desc. over gradual SE. slope.
2.00	Enter valley, bears NE. and SW.; over level land.
29.40	Road, bears E. and W.
30.25	Enter wash, course S.,from N.15°E.
39.00	Cross point of land, from NW.
39.78	A point determined by the method of double proportion,
	Set an iron post, 3 ft. long, 2 ins. diam.,18 ins. in the ground to bedrock, with a stone 8x8x8 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.

T23N R21E

S 11	S 12
S 14	S 13

1883
1938

from which

The Lore Trading Co. store, bears N.66°E.; a prominent black rock on the west end of Bito Hochee Mt.,bears S.74° 39'E.; center of black knob on mountain about 1 mile dist. bears N.34°10'W.; west end of salient of mesa, bears N.19° E., about 2 miles dist.

This cor. is about 40 lks. N. of the center of a wash, 40 lks. wide, course SW.

Land, rolling.
Soil, sandy, 3rd. rate.
Undergrowth, very little, some grass and weeds.

From the cor. of secs. 11, 12, 13 and 14, the ¼ sec. cor. of secs. 13 and 14, bears S.0°13'E.,39.78 chs. dist.; a lava stone, 18 x 12 x 6 ins.,mkd. ¼ on E. face, and set firmly in the ground and in a mound of stone.

From the cor. of secs. 11, 12, 13 and 14, the ¼ sec. cor. of secs. 11 and 14, bears N.89°53'W.,39.97 chs.dist.; a lava stone, 10 x 8 x 6 ins.,mkd. ¼ on E. face, and set in a mound of stone. Alongside of cor. stone, is another stone mkd. for ¼ sec. cor., which was set by the Soil Conservation Service in 1937.

At point for cor.,

Set an iron post, 3 ft. long, 1 in. diam.,26 ins. in the ground, with the old cor. stone deposited alongside, for ¼ sec. cor. with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 6—8155

Resurvey of a Portion of the Subdivision of
T.23 N.,R.21 E.

Chains	
	$\frac{1}{4}$ S 11 ---- S. 14 1883 1938 raise a mound of stone, 4 ft. base, 2 ft. high N. of cor.
	From the cor. of secs. 11, 12, 13 and 14,
	N.86°29'E., on a true line bet. secs. 12 and 13.
	Over mountainous land, through scattering undergrowth.
	Across bottom of wash.
1.00	Center of wash, 40 lks. wide, course SW.
1.20	Asc. 7 ft. over vertical bank, bears NE. and SW. Thence asc. gradually over general NW. slope.
1.54	Intersect a sandstone, 10 x 8 x 5 ins. above ground, firmly set, and mkd. for witness cor. of secs. 11, 12, 13 and 14. This cor. was set by Harry E. Jones of the Soil Conservation Service, in 1937.
23.25	Asc. 33 ft. over steeper slope of small hill.
26.00	Spur, slopes N.; desc. 20 ft. over NE. slope.
28.50	Foot of descent; asc. over gradual W. slope.
36.00	Road, bears N.5°E. and S.5°W.; asc. 55 ft. over SW. slope.
40.02	Midpoint,
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, with a stone 6x6x5 ins., mkd. X, deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 12 ---- S 13 1938 from which
	The $\frac{1}{4}$ sec. cor. of secs. 12 and 13, established by the Soil Conservation Service, in 1937, bears S.3½°E., 2.58 chs. dist.; the SW. cor. of Lore's land, as claimed, bears S.87°18'W.; the SE. cor. of the Indian Wells store, bears N.62°52'W.; center of black peak, bears S.54°W., about 2 miles dist.; center of black knob, bears N.47°35'W., about 1 mile dist.
	Asc. 285 ft. over W. slope.
56.00	Spur, slopes S.20°W.; desc. gradual SE. slope.
60.50	Desc. 64 ft. over more abrupt SE. slope.
61.80	Wash, 15 lks. wide, course SW.; asc. 292 ft. over W. slope.
64.70	Foot of black cliff, bears N. and S.; asc. 100 ft. over nearly vertical wall of same.
66.70	Top of cliff, bears NE. and SW.; continue ascent.
76.50	Ridge, bears SE. and NW.; desc. gradual NE. slope.

U. S. GOVERNMENT PRINTING OFFICE 6—8155

Resurvey of a Portion of the Subdivision of
T.23 N.,R.21 E.

Chains	
78.00	Wash, near head, 10 lks. wide, course NE.; asc. 30 ft. over NW. slope.
80.04	The cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., hereinbefore described.
	Land, rolling and mountainous. Soil, sandy, 3rd. rate, and rocky, 4th. rate. Undergrowth, very little, some grass and weeds.
	From the cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp.,
	West, on a random line bet. secs. 1 and 12.
40.00	Find no trace of original cor. Set temp.
80.28	A point 9 lks. N. of the cor. of secs. 1, 2, 11 and 12.
	I return to the cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp.,hereinbefore described,
	Thence
	S.89°56'W., on a true line bet. secs. 1 and 12.
	Desc. gradual W. slope, over rolling land, through scattering undergrowth.
40.09	Intersect a sandstone, 9 x 8 x 7 ins., mkd. for ¼ sec. cor., which was set by the Soil Conservation Service.
40.14	Midpoint,
	Set an iron post, 3 ft. long, 1 in. diam.,26 ins. in the ground, for ¼ sec. cor., with brass cap mkd. ¼ S 1 / S 12 1883 1938 raise a mound of stone, 4 ft. base, 2 ft. high N. of cor.
	Continue descent over W. slope.
46.50	Road, bears N. and S.
58.00	Enter broken land, bears N. and S.
62.40	Vertical bank of wash, 8 ft. deep, bears N. and S.
63.40	Center of wash, 180 lks. wide, course S.30°E.
64.00	Asc. 20 ft. over vertical bank, bearing SE. and NW.
64.20	Asc. slight E. slope.
80.28	The cor. of secs. 1, 2, 11 and 12.
	From this cor., the NW. end of the Lore Trading Co.store, bears S.33°05'E.; the NE. cor. rock on Bito Hochee Mt., bears S.55°45'E.; Mound on black butte, bears S.16°20'E., about 4 miles dist.; the SW. cor. of Lore's land,as claimed, bears S.18°30'E.
	Land, rolling. Soil, sandy, 3rd. rate. Undergrowth, very little; some grass and weeds.

Subdivision Lines of Sec. 12, T.23 N.,R.21 E.

Chains	
	From the ¼ sec. cor. of secs. 11 and 12,
	N.88°15'E., on a random line in sec. 12,
40.00	Set temp. cor.
80.00	Intersect the ½ sec. cor. of secs. 7 and 12, on E. bdy. of Tp.
	From the ¼ sec. cor. of secs. 12 and 13,
	N.0°30'E.,on a random line in sec. 12.
38.57	A point 5 lks.W. of temp. cor.
77.10	A point 2 lks. E. of the ¼ sec. cor. of secs. 1 and 12.
	Thence
	S.0°29'W.,on true meridional center line of sec. 12.
	Over rolling land.
28.00	Wash, 50 lks. wide, course SW., vertical banks 5 ft. high.
38.53	Intersect latitudinal center line.
	Set an iron post, 3 ft. long, 1 in. diam.,26 ins. in the ground, for ¼ sec. cor. at center of sec. 12, with brass cap mkd.
	C¼ S 12
	1938
	from which
	S. edge of Indian Wells store, bears S.87°57'W.; the NW. cor. of the Lore Trading Co. store, bears S.0°48'W.; Center of Indian Wells hospital, bears S.85½°W.; Lore's water tank, bears S.16°25'E.,about 17 chs. dist.; the NW. cor. of Lore's land, as claimed, bears S.37½°W.;black rock on west end of Bito Hochee Mt.,bears S.30°E.; a large rock on NE. end of Bito Hochee Mt.,bears S.68°E.
	Continue over rolling land.
51.00	West end of corral, bears E.,67 lks. dist.
52.40	West end of Indian Hogan.
54.40	Low spur, slopes W.
56.97	Wash, 10 lks. wide, course NW.; asc. gradual NW. slope.
58.05	The SW. cor. of a stone house, bears N.12°05'E.,93 lks. dist.; the SE. cor. of same house, bears N.48°18'E.,110 lks. dist.; front door of pump house, bears S.83°E.,287 lks. dist.; the NW. cor. of the Lore Trading Co. store, bears S.4°W.,243 lks. dist.; the east end of a dwelling, bears S.44½°E.,183 lks. dist.; indian hogan, bears N.62½° W.,about 250 lks. dist.
64.50	Spur, slopes W.; desc. gradually along SW. slope.
77.10	The ¼ sec. cor. of secs. 12 and 13.

From the ¼ sec. cor. of secs. 11 and 12,

N.88°15'E.,on true latitudinal center line of sec. 12.

U. S. GOVERNMENT PRINTING OFFICE 6—8155

Subdivision Line of Sec. 12,T.23 N.,R.21 E.

Chains	
	Desc. gradual SE. slope, over rolling land.
2.20	Enter valley, bears NE. and SW.
14.80	Desc. 25 ft. over vertical bank, bearing N. and S.
15.80	Center of wash, course S.
16.80	Asc. over vertical bank of wash, bearing N. and S.
36.50	Road, bears N. and S.
39.94	The ¼ sec. cor. at center of sec. 12.
64.86	Foot of hill, bears NE. and SW.; asc. 85 ft. over NW. slope.
70.00	Top of hill, on spur from S.; desc. 90 ft. over NE. slope.
73.35	Wash, 10 lks. wide, course N.; asc. 34 ft. over NW.slope.
78.35	Spur, slopes N.; desc. 19 ft. over NE. slope.
80.00	The ¼ sec. cor. of secs. 7 and 12, on E. bdy. of Tp.,hereinbefore described.

Land, rolling and hilly.
Soil, sandy, 3rd. rate.
Undergrowth, grass and weeds.

Final Test of Solar Attachment.

June 18: At my station in the SW. ¼ of sec. 12,T.20 N., R.26 E.,at 9h 00m a.m.,app.t., I set off 35°08'N.,on the latitude arc; 23°24'N.,on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 3h 00m p.m.,app.t., I set off 35°08'N. on the lat. arc; 23°24'N.,on the decl. arc.; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

June 18,1938.

General Description.

The land embraced in the foregoing survey, is mostly rolling, except in the SE.¼ of sec. 12, where Bito Hochee Mountain rises to about 800 ft. above the surrounding surface. The soil is sandy, 3rd. rate, except in the SE.¼ where it is of rocky volcanic formation, 4th. rate. The land appears most suitable for grazing.

The only water in the section, is a spring in the SE. ¼ of sec. 12, owned by the Lore Trading Co. The land is accessible by road from Holbrook.

U. S. GOVERNMENT PRINTING OFFICE 6—8155

(11)

4—680
(Revised May 1934)

BOOK 4150

FIELD ASSISTANTS

NAMES	CAPACITY
Walter Wright	Principal Assistant
Charles F. Bobo, Jr.,	Chainman
Norman Simser	Flagman
Jack Williams	Cornerman
Louis L. Francis, Jr.,	Cornerman
Elsi Landis	Axman

6—8412

144

BOOK 4150

CERTIFICATE OF [redacted] SURVEYOR

I, Benjamin J.Kinsey, Cadastral Engineer / General Land Office, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 5th day of May, 1938, received from the district cadastral engineer for Arizona, with assignment instructions dated May 26, 1938, I have surveyed re a Portion of the E. Bdy., and a Portion of the Subdivision, and surveyed the subdivision of section 12, T.23 N.,R.21 E.

of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said resurvey and survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California
July 11, 1938.

Benjamin J. Kinsey
Cadastral Engineer.
General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF . SUPERVISOR OF SURVEYS,

Denver, Colorado, July 26, 1938.

The foregoing field notes of the re survey of a Portion of the E. Bdy. and a Portion of the Subdivision, and the survey of the subdivision of section 12, T.23 N.,R.21 E.,G. & S.R.M.

executed by Bemjamin J. Kinsey, Cadastral Engineer, under special instructions dated May 5, 1938, and assignment instructions dated May 26, 1938, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the resurvey and survey therein described, are hereby approved.

[redacted]
Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY ~~that the foregoing~~ transcript of the field notes of the above-described surveys in ~~original field~~ notes on file in the public survey office.

~~U.S. Supervisor of Surveys.~~

U.S. GOVERNMENT PRINTING OFFICE: 1934 6—8412