

BOOK 2482

JUN 3-1913

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of T. 22 S., R. 30 E.

Of the Gila & Salt River, Base and Meridian,

In the State of Arizona

EXECUTED BY

William H. Elliott

In the capacity of U. S. Surveyor, under instructions dated Oct. 6, 1911, 1911, issued by the United States Surveyor General to govern surveys included in Group No. 17, which were approved by the Commissioner of the General Land Office, October 14, 1911, pursuant to authority contained in the Act of Congress dated August 24, 1912

Survey commenced Nov. 25, 1912, 1912

Survey completed Dec. 9, 1912, 1912

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(13)

BOOK 2482

INDEX DIAGRAM.

Township 22 S. Range 30 E.

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——— Book "A"
 ——— Book "D"
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Chains	<p>Survey commenced Nov. 25, 1912, and executed with a Young & Sons light mountain transit No. 8492, with Smith's patent solar attachment on side.</p> <p>The horizontal limb of the instrument reads to single minutes of arc by two verniers placed opposite to each other, which is also the least reading of the verniers of the latitude and declination arcs of the solar.</p> <p>Knowing from recent and repeated tests made on a true meridian established by observation of Polaris, that my instrument is in correct adjustment, I proceed as follows:-</p> <p>At 8h.a.m., l.m.t., at the cor. of secs. 1, 2, 35 and 36, on the S. bdry. of the Tp., recently established by me, and heretofore described, in Book "G"</p> <p>I set off $20^{\circ} 43\frac{1}{2}'$ E. on the decl. arc, and $31^{\circ} 28'$ N. on the lat. arc, and determine a meridian with the solar.</p> <p>Thence I run, as per instructions,</p> <p>N. $0^{\circ} 1'$ W., bet. secs. 35 & 36.</p> <p>Var. $13'$ E.</p> <p>Over slightly rolling land.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,</p> <p>$\frac{1}{4}$ S 35 in W. and S 36 in E. half;</p>
80.00	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p> <p>Set an iron post 3 ft. long, 2 ins. in dia. 24 ins. in the ground, for cor. of secs. 25, 26, 35 & 36, marked on brass cap,</p> <p>T 22 S R 30 E, in N. half, S 26 in NW, S 25 in NE, S 36 in SE., and S 35 in SW. quad.;</p> <p>raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p> <p>Land, slightly rolling. Soil, stoney, dry, 2nd and 3rd rate. No timber. Good grass.</p>
40.00	<p>N. $89^{\circ} 58'$ E. on a random line bet. secs. 25 & 36.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
80.06	<p>Intersect E. bdry. of Tp. at cor. of secs. 25, 30, 31 & 36, recently established by Jesse B. Wright and by him described, in Book "D", whence I run,</p> <p>S $89^{\circ} 58'$ W. on a true line bet. secs. 25 & 36.</p> <p>Over slightly rolling land.</p>
32.00	<p>Asc.</p>
40.03	<p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p> <p>$\frac{1}{4}$ S 25 in N., and S 36 in S. half;</p>
42.60	<p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.</p>
54.00	<p>Low rocky ridge, N & S. and desc. grad.</p>
80.06	<p>Wash, 20 lks. wide, course SSE.</p> <p>Cor. of secs. 25, 26, 35 & 36, hereinbefore described.</p> <p>Land, rolling. Soil, stoney, dry, 2nd and 3rd rate. No timber. Fair grass.</p>
30.00	<p>N. $0^{\circ} 1'$ W. bet. secs. 25 & 26.</p> <p>Over slightly rolling land.</p>
40.00	<p>Wash, 20 lks. wide, course SE., asc. grad.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,</p> <p>$\frac{1}{4}$ S 26 in W., and S 25 in E. half;</p> <p>raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p> <p>Asc. rapidly.</p>
65.00	<p>Ridge, E. and NNW., desc.</p>
73.40	<p>Head of wash, course ESE., asc. grad.</p>
78.50	<p>Spur from W., desc.</p>
80.00	<p>Set an iron post 3 ft. long, 1 in. in dia., 16 ins. in the ground, ^{on bed rock} in mound of stone, for cor. of secs. 23, 24, 25 & 26, marked on brass cap,</p>

Chains	T 22 S R 30 E, in N. half; S 23 in NW., S 24 in NE., S 25 in SE., and S 26 in SW. quad; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Land, heavily rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
40.00	N. 89° 58' E. on a random line bet. secs. 24 & 25 Set temp. ¼ sec. cor.
80.10	Intersect E. bdry. of Tp. 5 lks. N. of cor. of secs. 19, 24, 25 & 30, recently established by Jesse B. Wright, and by him described, in Book 12, whence I run, West on a true line bet. secs. 24 & 25 Over rolling land.
15.00	Asc. grad.
40.05	Top of S. point of ridge, N. & S. Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed rock, in mound of stone, for ¼ sec. cor., marked on brass cap, ¼ S 24 in N. and S 25 in S. half; raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Desc. steep.
48.00	Desc. grad.
65.00	Wash, 10 lks. wide, course ESE., asc. steep.
80.10	Cor. of secs. 23, 24, 25 & 26, hereinbefore described. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass. At this cor. at noon, I set off 20° 47' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 29½' N.
11.00	N. 0° 1' W. bet. secs. 23 & 24. Desc. steep. Head of gulch and asc. steep.
19.00	Ridge, E. & W. Desc. steep.
26.00	Foot of steep descent and over gently rolling.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 23 in W., and S 24 in E. half; dig pits 18x18x12 ins. N. & S. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor. Drift fence, NNE. & SSW.
68.57	Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground, on bed rock, in mound of stone, for cor. of secs. 13, 14, 23 & 34, marked on brass cap, T 22 S R 30 E in N. half; S 14 in NW., S 13 in NE., S 24 in SE. and S 23 in SW. quad.; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, hilly and rough in S. and gently rolling in N. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass
40.00	East on a random line bet. secs. 13 & 24. Set temp. ¼ sec. cor.
80.02	Intersect E. bdry. of Tp. at cor. of secs. 13, 18, 19 & 24, recently established by Jesse B. Wright & described in Book 12, Thence I run West on a true line bet. secs. 13 & 24. Over slightly rolling land.
20.00	Wash. 20 lks. wide, course S.
21.00	Road, NW. & SE., asc. grad.
28.00	Low ridge, NNE. & SSW., desc. grad.
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

Chains

75.50
80.02

$\frac{1}{4}$ S 13 in N. and
 S 24 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Drift fence, NNE. & SSW.
 Cor. of secs. 13, 14, 23 & 24, hereinbefore described.
 Land, rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

16.00
40.00

N. 0° 1' W. bet. secs. 13 & 14.
 Over slightly rolling land.
 Road, WNW. & ESE.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ S 14 in W. and
 S 13 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for cor. of secs. 11, 12, 13 & 14, marked on brass
 cap,
 T 22 S R 30 E in N. half;
 S 11 in NW.,
 S 12 in NE.,
 S 13 in SE. and
 S 14 in SW. quad.;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, slightly rolling.
 Soil, dry, stoney, 2nd rate.
 No timber. Good grass.

40.00
79.96

East on a random line bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp. 5 lks. N. of cor. of secs. 7, 12, 13 &
 18, as recently established by Jesse B. Wright, and sec. 8.
 Described in Book 'D', Thence I run
 N. 89° 58' W. on a true line bet. secs. 12 & 13.
 Over slightly rolling land.
 Wash, 25 lks. wide, course S.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 12 in N. and
 S 13 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Cor. of secs. 11, 12, 13 & 14, hereinbefore described.
 Land, slightly rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Good grass.

Nov. 25, 1912.

40.00
80.00

Nov. 27, 1912, At 8h., a.m., l.m.t., I set off 21° 6 $\frac{1}{2}$ ' S. on the
 decl. arc, and 31° 31 $\frac{1}{2}$ ' N. on the lat. arc and determine a
 meridian with the solar, at the cor. of secs. 11, 12, 13 & 14
~~as described herein~~, whence I run,
 N. 0° 1' W. bet. secs. 11 & 12.
 Over slightly rolling land.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 11 in W. and
 S 12 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for cor. of secs. 1, 2, 11 & 12, marked on brass cap,
 T 22 S R 30 E in N. half;
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE. and
 S 11 in SW. quad;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, slightly rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Good grass.

Chains

S. 89° 58' E. on a random line bet. secs. 1 & 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect E. bdry. of Tp. 5 lks. N. of cor. of secs. 1, 6, 7 & 12, ^{recently estab. by Jesse B. Wright & described in Book D,}
 Thence I run N. 89° 56' W. on a true line bet. secs. 1 & 12
 Over slightly rolling land.
 11.70 Wash, 40 lks. wide, course SSE.
 37.50 Wash, 50 lks. wide, course S.
 39.95 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 1 in N. and
 S 12 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 79.90 Cor. of secs. 1, 2, 11 & 12, heretofore described
 Land, slightly rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Good grass.

N. 0° 1' W. bet. secs. 1 & 2.
 Over slightly rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the
 ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap
 $\frac{1}{4}$ S 2 in W. and
 S 1 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 79.96 Intersect N. bdry. of Tp. at a point from which the cor. of
 secs. 35 & 36, as recently reestablished by me by S. 89° 46' W.
 176 lks. dist., described by me in Book A,
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for C.C. of secs. 1 and 2, marked on brass cap,
 CC S. of center.
 T 21 S R 30 E S 35 S 36, in N. half;
 S 1 in SE. and
 S 2 in SW. quad;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
 Land, slightly rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

Nov. 26, 1912, at 8h., a.m., 1. m. t., I set off 20° 55' S. on the
 decl. arc, 31° 28' N. on the lat. arc, and determine a meridian
 with the solar, at the cor. of secs. 2, 3, 34 and 35, on the
 S. bdy. of ~~the~~ ^{recently} established by me and heretofore
 described by me in Book G
 Thence I run
 N. 0° 1' W. bet. secs. 34 & 35.
 Over rolling land.
 25.30 Wash, 20 lks. wide, course SSE., asc. grad.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the
 ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap,
 $\frac{1}{4}$ S 34 in W. and
 S 35 in E. half; ^{marked on bedrock as indicated}
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 51.00 Ridge, ESE & WSW. desc. grad.
 60.00 Over rolling land:
 72.30 Drift fence, NE. & SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for cor. of secs. 26, 27, 34 & 35, marked on brass cap
 T 22 S R 30 E in N. half;
 S 27 in NW.,
 S 26 in NE.,
 S 35 in SE. and
 S 34 in SW. quad.
 raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

Chains	
40.00	N.89° 58' E. on a random line bet. secs. 26 & 35.
79.96	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. & S. line 7 lks N. of cor. of secs. 25, 26, 35 & 36, herebefore described whence I run, N.89° 59' W. on a true line bet. secs. 26 & 35. Over rolling land.
3.00	Asc. grad.
24.00	Spur, NW. & SE., desc. grad.
27.50	Wash. 25 lks. wide, course SE., asc. grad.
39.98	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 in N. and S 35 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Low ridge, N. & SSE., desc. grad.
43.00	Cor. of secs. 26, 27, 34 & 35, herebefore described .
79.96	Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass. in mound of stone,
	<hr/>
	N.0° 1' W. bet. secs. 26 & 27.
40.00	Over rolling land. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 in W. and S 26 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 22, 23, 26 & 27, marked on brass cap, T 22 S R 30 E in N. half; S 22 in NW., S 23 in NE., 2 S 26 in SE. and S 27 in SW. quad.; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
	<hr/>
40.00	S.89° 59' E. on a random line bet. secs. 23 & 26.
79.98	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. & S. line 7 lks. S. of cor. of secs. 23, 24, 25 & 26, herebefore described whence I run, S.89° 58' W. on a true line bet. secs. 23 & 26.
8.00	Asc. steep.
30.00	Ridge, NNW. & S., desc. steep.
32.90	Foot of steep descent, and over rolling land.
39.99	Drift fence, NNE. & SSW. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 in N. and S 26 in S. half; raise amount of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.98	Cor. of secs. 22, 23, 26 and 27, herebefore described . Land, high and rocky in E., and rolling in W. part. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass. At this cor., at noon, I set off 20° 58 $\frac{1}{2}$ ' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 29 $\frac{1}{2}$ ' N.

Chains	N. 0° 1' W. bet. secs. 22 & 23. Over rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 in W. and S 23 in E. half;
80.00	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 14, 15, 22 & 23, marked on brass cap, T 22 S R 30 E in N. half; S 15 in NW., S 14 in NE., S 23 in SE. and S 22 in SW. quad.;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
40.00	N. 89° 58' E. on a random line bet. secs. 14 & 23. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. & S. line 7 lks. N. of the cor. of secs. 13, 14, 23 & 24, hereinbefore described, whence I run
40.00	N. 89° 59' W. on a true line bet. secs. 14 and 23. Over rolling land. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 in N. and S 23 in S. half;
80.00	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 14, 15, 22 & 23, hereinbefore described. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
23.70	N. 0° 1' W. bet. secs. 14 and 15. Over slightly rolling land. Wire fence, E. & W.
24.00	House of C. E. Lewis bears E. 7 chs. dist.
30.00	Wire fence, E. & W., and enter cultivated field.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 in W. and S 14 in E. half;
63.80	dig pits, 18x18x12 ins., N. & S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Wire fence, E. & W., leave cultivated land.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 10, 11, 14 & 15, marked on brass cap, T 22 S R 30 E in N. half; S 10 in NW., S 11 in NE., S 14 in SE. and S 10 in SW. quad.;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, slightly rolling. Soil, dry, 2nd rate. No timber. Good grass.
40.00	S. 89° 59' E. on a random line bet. secs. 11 & 14. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 12 lks. S. of cor. of secs. 11, 12, 13 & 14, hereinbefore described, whence I run,
40.02	S. 89° 56' W. on a true line bet. secs. 11 & 12. Over nearly level land. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 in N. and S 14 in S. half;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Chains
80.04

Cor. of secs. 10, 11, 14 & 15, hereinbefore described.
Land, slightly rolling.
Soil, dry, stoney, 2nd and 3rd rate.
No timber. Fair grass.

Nov. 26, 1912.

Nov. 27, 1912.

N. 0° 1' W. bet. secs. 10 & 11.

Over slightly rolling land.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ S 10 in W. and
S 11 in E. half;

80.00

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
ground, for cor. of secs. 2, 3, 10 & 11, marked on brass cap,
T 22 S. R. 30 E in N. half;
S 3 in NW.,
S 2 in NE.,
S 11 in SE. and
S 10 in SW. quad.;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Land, slightly rolling.
Soil, dry, stoney, 2nd and 3rd rate.
No timber. Fair grass.

40.00

N. 89° 56' E. on a random line bet. secs. 2 & 11.

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

79.96

Intersect N. & S. line 7 lks. S. of cor. of secs. 1, 2, 11 & 12,
~~hereinbefore described~~, whence I run,

N. 89° 53' W. on a true line bet. secs. 2 & 11.

Over slightly rolling land.

39.98

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 2 in N. and
S 11 in S. half;

79.96

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Cor. of secs. 2, 3, 10 & 11, hereinbefore described.
Land, slightly rolling.
Soil, dry, stoney, 2nd and 3rd rate.
No timber. Fair grass.

40.00

N. 0° 1' W. bet. secs. 2 & 3.

Over rolling land.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 3 in W. and
S 2 in E. half;

80.37

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Intersect N. bdy. of Tp. at a point whence the cor. of secs.
34 & 35 bears N. 89° 48' W., 2.61 chs. dist., which cor. I recently
~~set and remarked~~ as described by me in Book "A".
Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the
ground, on bed rock, in mound of stone, for closing cor.
of secs. 2 & 3, marked on brass cap,
C C S. of center.
T 21 S R 30 E S 34 S 35 in N. half;
S 2 in SE. and
S 3 in SW. quad.

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
Land, slightly rolling.
Soil, dry, stoney, 2nd and 3rd rate.
No timber. Fair grass.

Nov. 27, 1912.

Chains	Nov. 28. 1912. At 8h. pm 1. m. t., at the cor. of secs. 33, 34, 3 & 4, on the S. bdry. of the Tp. recently established by me & described in Book G set off 21' 17" S. on the decl. arc, 31' 28" N. on the lat. arc, and determine a meridian with the solar. Thence I run N. 0° 2' W. bet. secs. 33 and 34. Over rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 in W. and S 34 in E. half;
80.00	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 27, 28, 33 & 34, marked on brass cap, T. 22 S R 30 E in N. half; S 28 in NW., S. 27 in NE., S 34 in SE. and S 33 in SW. quad.;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
40.00	N. 89° 58' E. on a random line bet. secs. 27 & 34. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 7 lks. N. of cor. of secs. 26, 27, 34 & 35, whence I run whence I run, N. 89° 59' W. on a true line bet. secs. 27 & 34. Over rolling land.
2.00	Asc. grad.
10.85	Low rocky ridge, N. & S., desc. grad.
25.50	Wash, 10 lks. wide, course SSW., asc. grad.
40.02	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 in N. and S 34 in S. half;
50.00	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. Spur, S. & NNW., desc. grad.
80.04	Cor. of secs. 27, 28, 33 & 34, hereinbefore described. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
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	N. 0° 2' W. bet. secs. 27 & 28. Asc. grad.
10.00	Spur, E. & W., desc. grad.
17.00	Wash, 60 lks. wide, course WSW., over rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 in W. and S 27 in E. half;
80.00	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 21, 22, 27 & 28, marked on brass cap, T 22 S R 30 E in N. half; S. 21 in NW., S 22 in NE., S 27 in SE. and S 28 in SW. quad.;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass. At this cor. at noon I set off 21' 20" S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31' 29 $\frac{1}{2}$ " N.

Chains	
40.00	S.89° 59'E. on a random line bet. secs.22 & 27. Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. & S. line 5 lks. N. of cor. of secs.22, 23, 26 & 27, herebefore described , whence I run, N.89° 57'W. on a true line bet. secs.22 & 27. Over slightly rolling land.
40.03	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 in N. and S 27 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.06	Cor. of secs.21, 22, 27 & 28, hereinbefore described. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
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9.50	N.0° 2'W. bet. secs.21 & 22. Over slightly rolling land.
40.00	Wash, 25 lks. wide, course SW. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 in W. and S 22 in E. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Asc. grad.
52.00	Low spur, E. & W., desc. grad.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs.15, 16, 21 & 22, marked on brass cap, T 22 S R 30 E in N. half; S 16 in NW., S 15 in NE. S 22 in SE. and S 21 in SW. quad.; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate.
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40.00	S.89° 57'E. on a random line bet. secs.15 & 22. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line 7 lks. S. of cor. of secs.14, 15, 22 & 23, herebefore described , whence I run, West on a true line bet. secs.15 & 22. Over slightly rolling land.
21.00	Asc. grad.
38.00	Ridge, N. & S.
39.99	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 15 in N. and S 22 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
45.00	Desc. grad.
79.98	Cor. of secs.15, 16, 21 & 22, hereinbefore described. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate, No timber. Fair grass.

Nov. 28, 1912.

Chains	Nov. 29, 1912. At 8h., a.m., l.m.t., I set off, $21^{\circ} 27' S.$ on the decl. arc, and $31^{\circ} 30\frac{1}{2}' N.$ on the lat. arc, and determine a meridian with the solar, at the cor. of secs. 15, 16, 21 & 22. Thence I run $N. 0^{\circ} 2' W.$ bet. secs. 15 & 16, herebefore described Over slightly rolling land.
13.80	Road, ESE. & W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 in W. and S 15 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
55.50	Road, W. & SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 9, 10, 15 & 16, marked on brass cap, T 22 S R 30 E in N. half; S 9 in NW., S 10 in NE., S 15 in SE. and S 16 in SW. quad.; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
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40.00	East on a random line, bet. secs. 10 & 15.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. & S. line 5 lks. N. of cor. of secs. 10, 11, 14 & 15, herebefore described , whence I run, N. $89^{\circ} 58' W.$ on a true line bet. secs. 10 & 15. Over nearly level land.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 in N. and S 15 in S. half;
80.00	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 9, 10, 15 & 16, herebefore described . Land, nearly level. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
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40.00	N. $0^{\circ} 2' W.$ bet. secs. 9 & 10 Over slightly rolling land.
80.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 9 in W. and S 10 in E. half; dig pits, 18x18x12 ins., N. & S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 3, 8, 9 & 10, marked on brass cap, T 22 S R 30 E in N. half; S 4 in NW., S 3 in NE., S 10 in SE. and S 9 in SW. quad.; dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Good grass. At this cor. at noon, I set off $21^{\circ} 30\frac{1}{2}' S.$ on the decl. arc, and observe the sun on the meridian. The resulting lat. is $31^{\circ} 32' N.$

Chans
 40.00 S. 89° 58' E. on a random line bet. secs. 3 & 10.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. & S. line 5 lks. N. of cor. of secs. 2, 3, 10 & 11,
~~herebefore described~~ whence I run,
 N. 89° 56' W. on a true line bet. secs. 3 & 10.
 Over slightly rolling land.
 39.97 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 3 in N. and
 S 10 in S. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 79.94 Cor. of secs. 3, 4, 9 & 10, herebefore described.
 Land, slightly rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

N. 0° 2' W. bet. secs. 3 & 4
 Over rolling land.
 24.90 Road, NE. & SW.
 25.58 Right of way fence, NE. & SW.
 26.66 Telegraph line, NE. & SW.
 27.93 Center of track of E. I. P. & S. W. R. R., NE. & SW.
 30.41 Right of way fence, NE. & SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 4 in W. and
 S 3 in E. half;
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 80.72 Intersect N. bdry. of Tp. at a point whence the cor. of secs.
 33 & 34, recently re-set & marked by me as described in Book A, by S 89° 54' W. 3.45
 chs. dist.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for closing cor. of secs. 3 & 4, marked on brass
 cap,
 C C S. of center;
 T 21 S R. 30 E S 33 S 34, in N. half;
 S 3 in SE. and
 S 4 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
 Land, rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

Nov. 29, 1912.

Dec. 2, 1912; At 8h., a.m., 1.m.t., I set off 21° 56' S. on the
 decl. arc, and 31° 28' N. on the lat. arc, and determine a
 meridian with the solar, at the cor. of secs. 4, 5, 32 & 33,
 on the S. bdry. of the Tp., recently established & described in Book G.
 Thence I run,
 N. 0° 2' W. bet. secs. 32 & 33.
 Over slightly rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 32 in W. and
 S 33 in E. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for cor. of secs. 28, 29, 32 & 33, marked on brass
 cap,
 T 22 S R 30 E in N. half;
 S 29 in NW.,
 S 28 in NE.
 S 33 in SE. and
 S 32 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
 Land, rolling. Soil, dry, stoney, 2nd and 3rd rate.
 No timber, Fair grass.

Chains	N. 89° 58' E. on a random line bet. secs. 28 & 33
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line at cor. of secs. 27, 28, 33 & 34, hereinbefore described , whence I run, North course S. 89° 58' W. on a true line bet. secs. 28 & 33. Over rolling land.
14.00	Asc. grad.
34.00	Low ridge, N. & S., desc. grad.
40.02	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 in N. and $\frac{1}{4}$ S 33 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
45.00	Wash, 25 lks. wide, course S.
61.80	Wash, 15 lks. wide, course SSW.
79.50	Wash, 10 lks. wide, course SE.
80.04	Cor. of secs. 28, 29, 32 & 33, hereinbefore described. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
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	N. 0° 2' W. bet. secs. 28 & 29. Over rolling land.
0.70	Wash, 10 lks. wide, course SE.
15.00	Same wash, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 in W. and $\frac{1}{4}$ S 28 in E. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground, on bed rock, in mound of stone, for cor. of secs. 20, 21, 28 & 29, marked on brass cap, T 22 S R 30 E in N. half; S 20 in NW., S 21 in NE., S 28 in SE. and S 29 in SW. quad; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. At this cor. at noon I set off 21° 58 $\frac{1}{2}$ ' E. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 31° 29 $\frac{1}{2}$ ' N.
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	N. 89° 58' E. on a random line bet. secs. 21 & 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. & S. line 9 lks. N. of cor. of secs. 21, 22, 27 & 28, hereinbefore described , whence I run, N. 89° 58' W. on a true line bet. secs. 21 & 28. Over slightly rolling land.
10.00	Wash, 10 lks. wide, course SW.
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 in N. and S 28 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.02	Cor. of secs. 20, 21, 28 & 29, hereinbefore described. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Good grass.
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Chains	
9.00 10.80 40.00	<p>N. 0° 2' W. bet. secs. 20 & 21. Over nearly level land. House of J.R. Head bears W. about 12 chs. dist. Wire fence, E. & W. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 in W. and S 21 in E. half; raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Wire fence, N. 15° W. & S 15° E. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 16, 17, 20 & 21, marked on brass cap, T 22 S R 30 E in N. half; S 17 in NW., S 16 in NE., S 21 in SE. and S 20 in SW. quad.; dig pits, 18x18x12 ins., in each sec., 5$\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, dry, heavy, 2nd rate. No timber. Good grass.</p>
40.00 79.98	<p>S. 89° 58' E. on a random line line bet. secs. 16 & 21. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. & S. line 2 lks, S. of cor. of secs. 15, 16, 21 & 22, hereinbefore described, whence I run, N. 89° 59' W. on a true line bet. secs. 16 & 21. Over gently undulating land. Road, NE. & SW. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, on bed rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 in N. and S 21 in S. half; raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 16, 17, 20 & 21, hereinbefore described. Land, Gently undulating. Soil, dry, stoney, 2nd and 3rd rate. No timber. Good grass.</p>
27.30 39.99	<p>Dec. 4, 1912.</p>
5.85 23.40 25.52 34.50 35.00 36.70 40.00 43.50 76.70 77.00 78.40 79.60 80.00	<p>Dec. 3, 1912.; At 8h., a.m., l.m.t., I set off 22' 4$\frac{1}{2}$' S. on the decl. arc; 31' 30$\frac{1}{2}$' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 16, 17, 20 & 21, hereinbefore described Thence I run N. 0 2' W. bet. secs. 16 & 17. Over slightly undulating land. Road, E. & W. Road, NW. & SE. Wire fence, NW. & SE. Wire fence, NW. & SE. Road, E. & W. Road, NE. & SW. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 17 in W. and S 16 in E. half; raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Road, E. & W., Bernardino Sta. on E.P. & S.W. R.R. brs. W. about 25 chs. Main road, NE. & SW. Right of way fence, NE. & SW. Telegraph line, NE. & SW. Center of track, main line, El P. & SW. R.R., N. 36° 28' E. and S. 36° 28' W. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 8, 9, 16 & 17, marked on brass cap,</p>

Chains

T 22 S R 30 E in N.half;

S 8 in NW.,

S 9 in NE.,

S 16 in SE.and

S 17 in SW.quad;

raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, slightly undulating.
Soil, dry, heavy, 2nd rate,
No timber. Good grass.

40.00

S. 89° 59' E., on a random line bet, secs. 9 & 16.

Set temp. ¼ sec. cor.

80.02

Intersect N. & S. line 9 lks. S. of cor. of secs. 9, 10, 15 & 16,
~~hereinbefore described~~, whence I run,

S. 89° 57' W., on a true line bet. secs. 9 & 16.

Over gently rolling land.

13.50

Road, NNW. & SSE.

40.01

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap,

¼ S 9 in N. half;

S 16 in S. half;

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

raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

77.40

Road, NE. & SW.

77.75

Right of way fence.

78.75

Telegraph line, NE. & SW.

79.70

Center of main line, El Paso & ~~SW. R. 30 E. N. 36, 28, 17, & S, 36~~
28' W.

80.02

Cor. of secs. 8, 9, 16 & 17, hereinbefore described.

Land, gently rolling.

Soil, dry, stoney, 2nd and 3rd rate.

No timber. Good grass.

N. 0° 2' W. bet. secs. 8 & 9.

Over slightly rolling land.

2.03

Right of way fence.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for ¼ sec. cor. marked on brass cap,

¼ S 8 in W. and

S 9 in E. half;

dig pits, 18x18x12 ins., N. & S. of post, 3 ft. dist., and

raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

43.40

Wire fence, E. & W.

47.80

House of E. R. Clounch bears E. 65 lks. dist.

48.69

Wire fence, E. & W.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
ground, for cor. of secs. 4, 5, 8 & 9, marked on brass cap,

T 22 S R 30 E in N. half;

S 5 in NW.,

S 4 in NE.,

S 9 in SE. and

S 8 in SW. quad.;

raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, slightly rolling.

Soil, dry, stoney, 2nd and 3rd rate.

No timber. Good grass.

At this cor., at noon, I set off 22° 7½' S. on the decl. arc,
and observe the sun on the meridian. The resulting
latitude is 31° 32' N.

Chains

N.89°57'E., on a random line bet. secs.4 & 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. & S. line 7 lks. S. of cor. of secs.3,4,9 & 10.
 Thence I run
 S.89°54'W., on a true line bet. secs.4 & 9.
 Over rolling land.
 18.50 Road, NE & SW.
 18.68 Right of way fence.
 19.57 Telegraph line, NE & SW.
 20.60 Center of main line El Paso & SW.R.R., N.36 28'E. & S.36 28' W.
 22.50 Right of way fence.
 40.02 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 4 in N. and
 S 9 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 80.04 Cor. of secs.4, 5, 8 & 9, hereinbefore described.
 Land, rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

N.0°2'W. bet. secs.4 & 5.
 over rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 5 in W. and
 S 4 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 81.00 Intersect N. bdry. of Tp. at a point, whence the cor. of secs.
 32 & 33 bears N.89°43'W. 4.45 chs. dist., recently
 re-established by me & described in Book "A";
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for closing cor. of secs.4 & 5, marked on brass
 cap,
 C C S. of center.
 T 21 S R 30 E S 32 S 33 in N. half;
 S 4 in S^E. and
 S 5 in SW. quad;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
 Land, rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

Dec. 3, 1912.

Dec. 4, 1912; at 8h., a.m., 1.m.t., I set off 22°13'S. on the
 decl. arc; 31°28'N. on the lat. arc; and determine a meridian
 with the solar at the cor. of secs.5, 6, 31 & 32, on the
 S. bdry. of the Tp., recently estab. by me & described in Book "G";
 Thence I run
 N.0°3'W. bet. secs.31 & 32.
 Over gently undulating land.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 31 in W. and
 S 32 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the
 ground, on bed rock, in mound of stone, for cor. of secs.
 29, 30, 31 & 32, marked on brass cap,
 T 22 S R 30 E in N. half;
 S 30 in NW.,
 S 29 in N^E.,
 S 32 in SE. and
 S 31 in SW. quad.;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, gently undulating.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

Chains	N.89° 58' E., on a random line bet. secs. 29 & 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. & S. line 5 lks. N. of cor. of secs. 28, 29, 32 & 33, hereinbefore described , whence I run, West, on a true line bet. secs. 29 and 32. Over gently rolling land.
37.00	Wash, 80 lks. wide, course S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 in N. and S 32 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
46.00	Road, N. & S.
80.00	Cor. of secs. 29, 30, 31 & 32, hereinbefore described. Land, gently rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
<hr/>	
	S.89° 58' W., on a random line bet. secs. 30 & 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
90.48	Intersect W. bdry. of Tp. 14 lks. N. of cor. of secs. 25, 30, 31 & 36, recently re-established by leasee B. Wright & myself , & described by us in Book A, whence I run
	N.89° 52' E., on a true line bet. secs. 30 & 31. Over gently rolling land, through scattering mesquite brush.
20.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 in N. and S 31 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Leave mesquite brush.
50.48	
90.48	Cor. of secs. 29, 30, 31 & 32, hereinbefore described. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
<hr/>	
	N.0° 3' W. bet. secs. 29 & 30. Over rolling land.
20.00	Asc.
36.00	Top of lava hill, desc.
40.00	Foot of hill. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 in W. and S 29 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. At this cor. at noon, I set off. 22° 16' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 29' N.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 19, 20, 29 & 30, marked on brass cap, T 22 S R 30 E in N. half; S 19 in NW., S 20 in NE., S 29 in SE, and S 30 in SW. quad.; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber, Fair grass.

Chains
 East, on a random line bet. secs. 20 & 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 5 lks. N. of cor. of secs. 20, 21 28 & 29. ~~Herebefore described~~, whence I run, N. 89° 58' W., on a true line bet. secs. 20 and 29. Over gently rolling land.
 7.00 Wire fence, NNE. & SSW.
 14.25 Small dam.
 19.78 Wire fence, NNE. & SSW.
 26.26 Road, N. & S.
 28.50 Road, NW. & SSE.
 39.98 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 in N. and S 29 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 50.00 Road, NW. & SE.
 79.96 Cor. of secs. 19, 20, 29 & 30, hereinbefore described. Land, gently rolling. Soil, dry, heavy, 2nd rate, No timber. Good grass

S. 89° 52' W., on a random line bet. secs. 19 & 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 89.21 Intersect W. bdy. of Tp. 19 lks. N. of cor. of secs. 19, 24, 25 & 30, recently re-established by Jesse B. Wright & myself & described by us in Book A, whence I run, N. 89° 44' E., on a true line bet. secs. 19 & 30. Over rolling land, through scrub mesquite brush.
 3.13 Right of way fence.
 5.57 Center of main line of El P. & SW. R.R. Bridge NO. 1954 bears S. 47 W. 6 chs. dist.; bridge No. 1952 bears N. 58 $\frac{1}{2}$ E. 8 chs. dist.
 6.83 Telegraph line, parallel to R.R.
 7.73 Right of way fence.
 10.71 Road, NE. & SW.
 18.96 Wash, 10 lks. wide, course S.
 48.68 Road, N. & S.
 49.21 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 in N. and S 30 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 85.13 Road, NNE. & SSW.
 89.21 Cor. of secs. 19, 20, 29 & 30, hereinbefore described. Land, rolling. Soil, dry, gravelly, 2nd and 3rd rate. No timber. Fair grass.

Dec. 4, 1912.

Dec. 5, 1912; at 8h., a.m., l.m.t., I set off 22° 20' S. on the decl. arc; 31' 29 $\frac{1}{2}$ ' N. on the 1 $\frac{1}{2}$ arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 & 30, Thence I run N. 0° 3' W. bet. secs. 19 & 20. hereinbefore described
 Over rolling land.
 4.50 Road, E. & W.
 5.54 Road, NE. & SW.
 33.60 Road, E. & W.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 in W. and S 20 in E. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 44.90 Main road, NE. & SW.
 46.80 Right of way fence.
 47.79 Telegraph line, parallel to R.R.
 48.70 Center of main line, El P. & SW. R.R., on curve to the left facing NE.
 51.23 Right of way fence.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 17, 18, 19 & 20, marked on brass cap,

Chains	<p>T 22 S R 30 E in N.half; S 18 in NW., S 17 in NE., S 20 in SE.and S 19 in SW.quad.;</p> <p>raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling. Soil, gravelly, dry, 2nd and 3rd rate. No timber. Fair grass.</p>
40.00	S. 89° 58' E., on a random line bet. secs. 17 & 20. Set temp. ¼ sec. cor.
80.00	Intersect N. & S. line 5 lks. S. of cor. of secs. 16, 17, 20 & 21, hereinbefore described , whence I run, West, on a true line bet. secs. 17 & 20. Over slightly rolling land.
8.45	Road, N. & S.
8.70	Wire fence, N. & S.
11.80	Wire fence, NE. & SW.
29.80	Road, NNE. & SSW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, on bed rock, in mound of stone, for ¼ sec. cor., marked on brass cap, ¼ S 17 in N. and S 20 in N. half; raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
48.93	Main road, NE. & SW.
57.77	Right of way fence.
58.20	Telegraph line, parallel to R.R.
58.70	Center of main line, El P. & SW. R.R., N. 36 28' E. & S. 36 28' W.
60.59	Right of way fence.
80.00	Cor. of secs. 17, 18, 19 & 20, hereinbefore described. Land, rolling. Soil, dry, sandy, gravelly, 2nd and 3rd rate. No timber. Fair grass.
40.00	S. 89° 44' W., on a random line bet. secs. 18 & 19. Set temp. ¼ sec. cor.
88.42	Intersect W. bdry. of Tp. 5 lks. S. of cor. of secs. 13, 18, 19 & 24, recently re-marked by Jesse B. Wright & myself, & described by us in Book A, whence I run N. 89° 46' E., on a true line bet. secs. 18 & 19. Over rolling land.
4.00	Gulch, 80 ft. wide, course S.
48.42	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 18 in N. and S 19 in S. half; raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
88.42	Cor. of secs. 17, 18, 19 & 20, hereinbefore described. Land, rolling. Soil, dry, sandy, gravelly, 2nd and 3rd rate. No timber. Fair grass. At this cor., at noon, I set off 22° 23½' E. on the decl. arc; and observe the sun on the meridian. The resulting latitude is 31° 30½' N.
35.06	N. 0° 3' W. bet. secs. 17 & 18. Over rolling land. Road, WNW. & ESE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 18 in W. and S 17 in E. half; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 8, 17 & 18, marked on brass cap T 22 S R 30 E in N. half; S 7 in NW., S 8 in NE., S 17 in SE. and S 18 in SW. quad.;

Chains

raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, rolling.
Soil, dry, sandy, gravelly, 2nd and 3rd rate.
No timber. Scattering scrub mesquite brush.
Fair grass.

40.00 East, on a random line bet. secs. 8 & 17.
Set temp. ¼ sec. cor.
79.94 Intersect N. & S. line 9 lks. S. of cor. of secs. 8, 9, 16 & 17,
~~hereinbefore described~~, whence I run,
S. 89° 56' W., on a true line bet. secs. 8 & 17.
Over gently rolling land.
1.54 Right of way fence.
27.10 Road, NNW. & SSE.
39.50 Enter scattering scrub mesquite, NE. & SW.
39.97 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap,
¼ S 8 in N. and
S 17 in S. half;
raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
79.94 A vacant house bears N. 31 E. about 13 chs. dist.
Cor. of secs. 7, 8, 17 & 18, ~~hereinbefore described~~.
Land, gently rolling.
Soil, dry, gravelly, 2nd and 3rd rate.
No timber. Fair grass.

Dec. 5, 1912.

Dec. 9, 1912: At 8h., a.m., l.m.t., I set off 22° 47' S. on the
decl. arc; 31° 31½' N. on the lat. arc; and determine a meridian
with the solar, at the cor. of secs. 7, 8, 17 & 18,
whence I run ~~hereinbefore described~~
S. 89° 46' W. on a random line bet. secs. 7 & 18.
40.00 Set temp. ¼ sec. cor.
85.50 Intersect W. bdry. of Tp. 2 lks. N. of cor. of secs. 7, 12, 13 & 18
~~recently re-marked by Jesse B. Wright & myself & described by us in Book A~~
whence I run
N. 89° 45' E., on a true line bet. secs. 7 & 18.
Over rolling land.
24.35 Wash, 60 lks. wide, course S.
45.50 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the
ground, on bed-rock, in mound of stone, for ¼ sec. cor.,
marked on brass cap,
¼ S 7 in N. and
S 18 in S. half;
raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
85.50 Cor. of secs. 7, 8, 17 & 18, ~~hereinbefore described~~.
Land, rolling.
Soil, dry, gravelly, 2nd and 3rd rate.
No timber. Fair grass.
Scattering mesquite brush.

N. 0° 3' W. bet. secs. 7 & 8.
Over gently rolling land.
18.15 Road, E. & W.
40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap,
¼ S 7 in W. and
S 8 in E. half;
raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
50.60 Wash, 30 lks. wide, course ESE.
80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
ground, for cor. of secs. 5, 6, 7 & 8, marked on brass cap,
T 22 S R 30 E in N. half;
S 6 in NW.,
S 5 in NE.,
S 8 in SE. and
S 7 in SW. quad;
raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, rolling.
Soil, dry, sandy, gravelly, 2nd and 3rd rate.
No timber, Fair grass, Scattering mesquite brush.

Chains
 40.00 N. 89° 56' E., on a random line bet. secs. 5 & 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 9 lks. S. of cor. of secs. 4, 5, 8 & 9.
~~Hereinbefore described~~, whence I run,
 S. 89° 52' W., on a true line bet. secs. 5, & 8. Over rolling land.
 8.58 Road, bet. N. & S. end.
 11.00 Wash, 15 lks. wide, course S.
 39,98 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 5 in N. and
 S 8 in S. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Wash, 15 lks. wide, course S.
 45.00 Wash, 15 lks. wide, course SE.
 79.96 Cor. of secs. 5, 6, 7 & 8, hereinbefore described.
 Land, rolling.
 Soil, dry, sandy, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.
 At this cor., at noon. I set off 22° 50' S. on the decl. arc, and
 observe the sun on the meridian. The resulting latitude
 is 31° 32' N.

40.00 S. 89° 45' W., on a random line bet. secs. 6 & 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 86.25 Intersect W. bdy. of Tp. 30 lks. S. of cor. of secs. 1, 6, 7 & 12.
~~Recently re-set & re-marked by Jesse B. Wright & myself & described by us in Book A, whence I run,~~
 N. 89° 58' E., on a true line bet. secs. 6 & 7.
 Over rolling land.
 46.25 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 6 in N. and
 S 7 in S. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 66.80 Wash, 25 lks. wide, course SSE.
 86.25 Cor. of secs. 5, 6, 7 & 8, hereinbefore described.
 Land, rolling.
 Soil, dry, sandy, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.

40.00 N. 0° 3' W. bet. secs. 5 & 6.
 Over rolling land.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 6 in W. and
 S 5 in E. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 81.16 Intersect N. bdy. of Tp. at a point, whence the cor. of secs.
 31 & 32 bears S. 89° 48' W. 5.35 chs. dist., ~~recently~~ ~~before~~
 reestablished by me & described in Book A.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for closing cor. of secs. 5 & 6, marked on brass
 cap,
 C C S. of center;
 T 21 S R 30 E S 31 S 32 in N. half;
 S 5 in SE. and
 S 6 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
 Land, rolling.
 Soil, dry, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.

General Description.

T. 22 S., R. 30 E., is in general rolling, covered with volcanic tufa of various sizes. There is some very nearly level land in the N. and W. central parts, on which considerable wild hay is cut. Bernardino Sta. on E. & S. W. R.R. is in Sec. 17. E. R. Clounch, in secs. 8 & 9, C. E. Lewis, in secs. 14 & 15, and J. R. Head in sec. 20, have considerable improvements, consisting of house, fences, corrals etc. They raise some cereal crops by dry farming. There is very little developed water in the Tp., and no timber nor indications of mineral.

BOOK 2482

For CERTIFICATE OF ASSISTANTS.

See Book "C" _____

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,
 _____, U. S. Surveyor, during the periods and in the capacities
 stated opposite our several signatures, in surveying all those parts or portions of _____

of the _____ Meridian, in the State of _____
 which are represented in the foregoing field notes as having been executed by him, and under his direc-
 tion; and that said survey has been, in all respects, to the best of our knowledge and belief, well and
 faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	

Subscribed and certified to before me on the dates of the final service as shown above.

74 (21) 2482
BOOK

FOR FINAL OATH OF UNITED STATES SURVEYOR.

See Book "C"

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, 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, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191 _____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Jan. 26, 1914.

The foregoing field notes of the survey of _____
Subdivision lines of Township 22 South, Range 30 East,
of the Gila and Salt River Base and Meridian, Arizona,

executed by _____ William H. Elliott, U.S. Surveyor,
under his special instructions dated _____ October 6, _____, 191 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Galloway
U. S. Surveyor General.

~~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.~~