

JUN 20 1913

BOOK 2495

FIELD NOTES

OF THE SURVEY OF THE

Partial Subdivision of T. 19 S., R. 19 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William H. Elliott

In the capacity of U. S. Surveyor, under ^{supplemental} instructions dated Jan. 13, 1913, 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, February 4, 1913, pursuant to authority contained in the Act of Congress dated August 24, 1912

Survey commenced March 4, 1913, 191

Survey completed March 15, 1913, 191



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

9632 (942)

ARIZONA STATE OFFICE
2400 VALLEY BANK CENTER
PHOENIX, ARIZONA 85073

March 3, 1978

Memorandum

To : Chief, Branch of Cadastral Survey, ASO

From : Harry K. Smith, Cadastral Surveyor

Subject: Location of U.S.L.M. No. 2246, T. 19 S., R. 19 E.,
Gila and Salt River Meridian, Arizona

In your memorandum of February 22, 1978, I was instructed to make a field check as to the location of U.S.L.M. No. 2246, T. 19 S., R. 19 E., Gila and Salt River Meridian, Arizona. The field work was completed February 24, 1978 and a complete report for the record is as follows:

U.S.L.M. No. 2246 is monumented with a 1x3 in. weathered board, projecting 6 ft. above a mound of stone, 5 ft. base, 6 ft. high.

from which original accessories

A granite outcropping, bears N. 66°30' E., 7.1 ft. dist.,
mkd. BR; (Record N. 88°30' E., 10.6 ft. dist.)

A white oak, 16 ins. diam., bears S. 19°30' E., 72.4 lks. dist.,
scribe marks are visible through a partially healed blaze.

The cor. of secs. 20, 21, 28 and 29, T. 19 S., R. 19 E., Gila and Salt River Meridian, Arizona, set by William H. Elliott, U.S. Surveyor, in 1913, bears S. 32°17' E., 76.76 chs. dist., monumented with an iron post, 2 ins. diam., projecting 8 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. as described in the official record of the 1913 field notes.

cc: Field Notes, T. 19 S., R. 19 E. ✓
M.S. #2246
Br. of Records

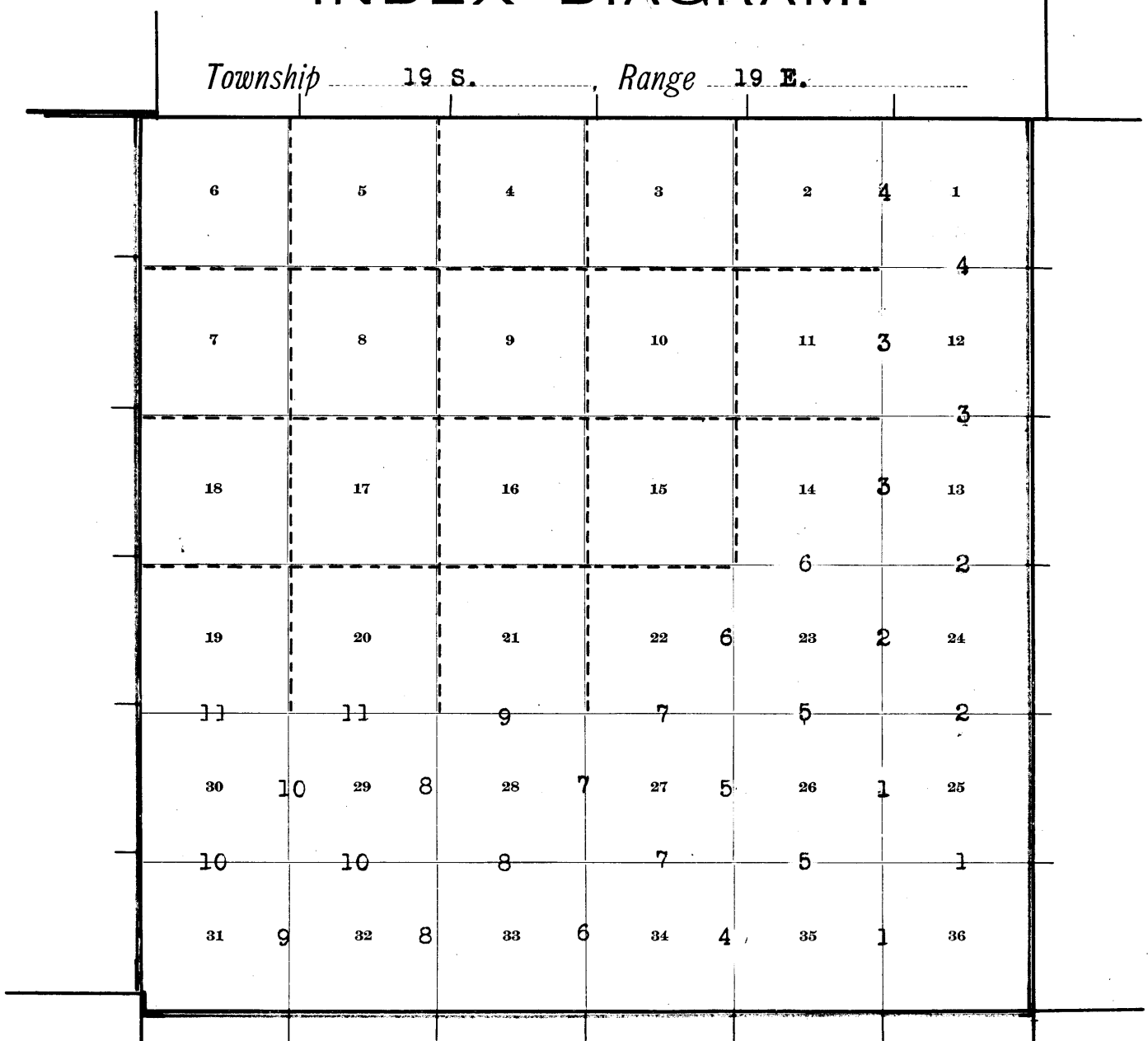
Harry K. Smith

142
1A

BOOK 2495

INDEX DIAGRAM.

Township 19 S. Range 19 E.



6-151

----- Unsurveyed
———— Book "A"
———— Book "G"

Chains	
	<p>Survey commenced March, 4, 1913, and executed with a Young & Son's light mountain transit, No. 8492, as heretofore described.</p> <p>Knowing from recent and repeated tests made on a true meridian established by observation on Polaris, that my instrument is in correct adjustment, I proceed as follows:</p> <p>At 8h a.m., l.m.t., I set off $6^{\circ} 28\frac{1}{2}'$ S. on the decl. arc; $31^{\circ} 44'$ N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 & 36, on the S. bdry. of the Tp. recently established by me & described in Book "G"</p> <p>Whence I run, as per instructions</p> <p>N. $0^{\circ} 1'$ W., bet. secs. 35 & 36.</p> <p>Over gently rolling land.</p>
14.30	Wash, 20 lks. wide, course ENE.
22.00	Wash, 400 lks. wide, course E.
31.85	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,
	<p>$\frac{1}{4}$ S 35 in W. and</p> <p>S 36 in E. half;</p> <p>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.</p>
80.00	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>T 19 S R 19 E in N. half;</p> <p>S 26 in NW.,</p> <p>S 25 in NE.,</p> <p>S 36 in SE. and</p> <p>S 35 in SW. quad.;</p> <p>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.</p> <p>Land, slightly rolling.</p> <p>Soil, dry, sandy, 2nd rate.</p> <p>Scattering mesquite and catsclaw. Fair grass.</p>
40.00	East, on a random line bet. secs. 25 & 36.
	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdry. of Tp. 2 lks. N. of cor. of secs. 25, 30, 31 & 36, recently established by me & described in Book "G",
	Whence I run,
	N. $89^{\circ} 59'$ W., on a true line bet. secs. 25 & 36.
40.00	Over gently rolling land, ascending.
	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>$\frac{1}{4}$ S 25 in N. and</p> <p>S 36 in S. half;</p> <p>dig pits, 18x18x12 ins., E. & W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p>
80.00	Cor. of secs. 25, 26, 35 & 36, hereinbefore described.
	Land, gently rolling.
	Soil, dry, sandy loam, 2nd rate.
	Scattering mesquite, greasewood and catsclaw.
	Fair grass.
40.00	N. $0^{\circ} 1'$ W. bet. secs. 25 & 26.
	Over gently 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,
	<p>$\frac{1}{4}$ S 26 in W. and</p> <p>S 25 in E. half;</p> <p>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.</p>
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs.,
	23, 24, 25 & 26, marked on brass cap,
	T 19 S R 19 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, $1\frac{1}{2}$ high, W. of cor.

<p>BOOK 2493 BOOK 2495</p>	<p>Chains Land, slightly rolling. Soil, dry, sandy, 2nd rate, Scrub mesquite and catsclaw. Fair grass. At this cor., at noon, I set off $6.25\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ}45\frac{1}{2}'$ N.</p>
<p>40.00 80.02 30.20 40.01 80.02</p>	<p>S. $89^{\circ}59'E.$, on a random line bet. secs. 24 & 25. Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdry. of Tp. 16 lks. S. of cor. of secs. 19, 24, 25 & 30, recently established by me & described in Book "G"; Whence I run S. $89^{\circ}54'W.$, on a true line bet. secs. 24 & 25. Asc. grad. Low ridge, NW. & SE., desc. grad. 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 24 in N. and S 25 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 23, 24, 25 & 26, hereinbefore described. Land, rolling. Soil, dry, sandy, 2nd and 3rd rate. Catsclaw and cacti. Fair grass.</p>
<p>40.00 80.00</p>	<p>N. $0^{\circ}1'W.$, bet. secs. 23 & 24. Over rolling land, ascending grad. Set an iron post, 3 ft. long, 1 in. in dia., 12 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 W. and S 24 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., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs., 13, 14, 23 & 24, marked on brass cap, T 19 S R 19 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, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. Scrub mesquite, catsclaw and cacti. Sparse grass.</p>
<p>40.00 80.02 8.00 40.01 41.80 46.30 80.02</p>	<p>N. $89^{\circ}54'E.$, on a random line bet. secs. 13 & 24. Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdry. of Tp. 7 lks. N. of cor. of secs. 13, 18, 19 & 24, recently established by me & described in Book "G"; Whence I run S. $89^{\circ}57'W.$, on a true line bet. secs. 13 & 24. Over rolling land. Wash, 30 lks. wide, course ESE., asc. grad. 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 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. Low ridge, N. & S., desc. grad. Wash, 15 lks. wide, course NNE., asc. grad. Cor. of secs. 13, 14, 23 & 24, hereinbefore described. Land, rolling. Soil, dry, stoney, 2nd and 3rd rate. Scrub mesquite, catsclaw and cacti. Sparse grass.</p>

March 4, 1913.

Chains	March 5, 1913. At 8h a.m., l.m.t., I set off 6°5'S. on the decl. arc; 31°46'N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 13, 14, 23 & 24, hereinbefore described, whence I run, N. 0° 1' W., bet. secs. 13 & 14. Over heavily rolling land.
23.50	Wash, 300 lks. wide, course ESE.
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 14 in W. and $\frac{1}{4}$ S 13 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
55.60	Wash, 30 lks. wide, course NE.
79.50	Wash, 20 lks. wide, course NE.
80.00	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. 11, 12, 13 & 14, marked on brass cap, T 19 S R 19 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, rolling, cut with deep washes. Soil, dry, stoney, 3rd rate. Catsclaw and cacti. Sparse grass.
40.00	N. 89° 57' E., on a random line bet. secs. 12 & 13. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. cor. of T. 19 S. R. 19 E., 2 lks. N. of cor. of secs. 7, 12, 13 & 18, recently established by me & described in Book "G", whence I run, S. 89° 58' W., on a true line bet. secs. 12 & 13. Over rolling land, ascending.
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 12 in N. and $\frac{1}{4}$ S 13 in S. half; dig pits, 18x18x12 ins., E. & W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.10	Wash, 500 lks. wide, course ENE.
79.70	Wash, 20 lks. wide, course NE.
80.00	Cor. of secs. 11, 12, 13 & 14, hereinbefore described. Land, rolling. Soil, dry, sandy, 2nd and 3rd rate. Scrub mesquite, catsclaw and cacti. Fair grass.
22.00	N. 0° 1' W., bet. secs. 11 & 12. Over rolling land, ascending. Wash, 30 lks. wide, course E.
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 11 in W. and $\frac{1}{4}$ S 12 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
51.85	Wash, 30 lks. wide, course ENE.
65.50	Wash, 20 lks. wide, course E.
80.00	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 19 S R 19 E in N. half; S 2 in NW., S 11 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, rolling. Soil, dry, stoney, 3rd rate. Catsclaw and cacti. Sparse grass. At this cor. at noon, I set off 6° 2' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 48' N

BOOK 2495

Chains

	N.89° 58' E., on a random line bet. secs. 1 & 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
89.00	Intersect E. bdry. of Tp. at cor. of secs. 1, 6, 7 & 12, recently established by me & described in Book "G", whence I run, S.89° 58' W., on a true line bet. secs. 1 & 12.
	Asc. grad. 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 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.
70.00	Wash. 15 lks. wide, course SE.
80.00	Cor. of secs. 1, 2, 11 & 12, hereinbefore described. Land, rolling. Soil, dry, stoney, 2nd and 3rd class. No timber. catsclaw and cacti. Sparse grass.
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	N. 0° 1' W., bet. secs. 1 & 2.
	Over heavily rolling land.
5.30	Wash. 15 lks. wide, course ESE.
14.80	Wash, 40 lks. wide, course E.
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 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.
46.30	Old road, SE. & NW.
72.30	Gulch, 2 chs. wide, course ENE.
82.10	Intersect S. bdry. of T. 18 S., R. 19 E., at a point, from which the cor. of secs. 35 & 36 on said bdry. bears N.89° 54' E. 4.45 chs. dist., which is a quartzite stone in place, exposing 20x16x6 ins., marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 1 & 2, marked on brass cap, C C S. of center; T 18 S R 19 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, heavily rolling, mountainous. Soil, dry, rocky, 3rd rate. No timber. Sparse grass.
March 5, 1913.	
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March 6, 1913: At 8h a.m., 1.m.t., I set off 5° 42' S. on the decl. arc; 31° 44' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 2, 3, 34 & 35, on the S. bdry. of the Tp., recently established by me & described in Book "G", whence I run,	
	N 0° 1' W., bet. secs. 34 & 35.
	Over slightly rolling land.
4.00	Enter wash, course ENE.
10.00	Leave wash.
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 34 in W. and S 35 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.
61.00	Road, ENE. & WSW.
71.00	Wash, 20 lks. wide, course ENE.
72.00	Wash 30 lks. wide, course E.
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 19 S R 19 E in N. half; S 27 in NW., S 26 in NE., S 35 in SE. and S 34 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, sandy, 2nd and 3rd class. Scattering mesquite brush. Fair grass.

Chains	
40.00	East on a random line bet. secs. 26 & 35.
79.98	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. & S. line 5 lks. S. of cor. of secs. 25, 26, 35 & 36, hereinbefore described , whence I run, S. 89° 58' W., on a true line bet. secs. 26 & 35. Over slightly rolling land, ascending.
39.99	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 26 in N. and S 35 in S. half;
	dig pits, 18x18x12 ins., E. & W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
79.98	Cor. of secs. 26, 27, 34 & 35, hereinbefore described . Land, slightly rolling. Soil, dry, sandy, 2nd and 3rd rate. Scrub mesquite and catsclaw. Fair grass.
	N. 0° 1' W., bet. secs. 26 & 27.
12.55	Over slightly rolling land, ascending.
40.00	Wash, 20 lks. wide, course E.
	Set an iron post, 3 ft. long, 1 in. in dia., 16 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 W. and S 26 in E. half;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
42.30	Wash, 80 lks. wide, course E.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, in mound of stone, on bed-rock, for cor. of secs.
	22, 23, 26 & 27, marked on brass cap, T 19 S R 19 E in N. half;
	S 22 in NW.,
	S 23 in NE.,
	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, slightly rolling.
	Soil, dry, stoney, 2nd and 3rd rate.
	Scrub mesquite and catsclaw.
	Fair grass.
	At this cor., at noon, I set off 5° 39' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 45 $\frac{1}{2}$ ' N.
40.00	N. 89° 58' E., on a random line bet. secs. 23 & 26.
80.00	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. & S. line 9 lks. S. of cor. of secs. 23, 24, 25 & 26, hereinbefore described , whence I run, S. 89° 54' W., on a true line bet. secs. 23 & 26. Over rolling land, ascending.
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 23 in N. and S 26 in S. half;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
68.50	Low rocky ridge, NW. & SE., desc. grad.
73.60	Wash, 70 lks. wide, course SE., asc. grad.
80.00	Cor. of secs. 22, 23, 26 & 27, hereinbefore described
	Land, rolling.
	Soil, dry, stoney, 2nd and 3rd rate.
	Scrub mesquite and catsclaw.
	Fair grass.

BOOK 2495

Chains

BOOK 2495

	N.0° 1' W., bet. secs. 22 & 23. Over broken, mountainous land, desc.
12.20	Wash, 60 lks. wide, course E., asc. steep.
14.00	Low spur, ESE. & WNW., desc. grad
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 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 22 in W. and S 23 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
40.60	Wash, 60 lks. wide, course ESE.
52.20	Wash, 20 lks. wide, course SE., asc. precipitously.
71.40	Rocky ridge, ESE. & WNW., desc. precipitously.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed rock, in mound of stone, for cor. of secs. 14, 15, 22 & 23, marked on brass cap, T 19 S R 19 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, mountainous, badly broken. Soil, dry, rocky, 3rd rate. Cacti. Sparse grass.
40.00	N. 89° 54' E., on a random line bet. secs. 14 & 23. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 9 lks. N. of cor. of secs. 13, 14, 23 & 24, the hereinbefore described , whence I run, S. 89° 58' W., on a true line bet. secs. 14 & 23. Asc. grad.
18.00	Asc. steep.
30.00	Asc. precipitously.
38.00	Asc. grad.
40.02	Set an iron post, 3 ft. long, 1 in. in dia., 14 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 14 in N. and S 23 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.50	High, rocky NE. point of ridge, desc. precipitously along N. slope of same ridge.
80.04	Cor. of secs. 14, 15, 22 & 23, hereinbefore described . Land, rough, mountainous. Soil, dry, rocky, 3rd rate. Catsclaw and cacti. Sparse grass.
	March 6, 1913.
	The land to the N. & W. of this cor. is mountainous and not suitable for grazing or agricultural purposes.
	March 7, 1913: At 8h a.m., l.m.t., I set off 5° 18 $\frac{1}{2}$ ' S. on the decl. arc; 31° 44' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 3, 4, 33 & 34, on the S. bdry of the Tp., recently established by me & described in Book "G", whence I run, N. 0° 2' W., bet. secs. 33 & 34. Ascending over rolling land.
9.60	Road, E. & W. of the cor.
13.30	Wash, 80 lks. wide, course ENE.
33.50	Wash, 20 lks. wide, course SE.
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 33 in W. and S 34 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.
72.60	Road, ESE. & WNW.
80.00	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

Chains	
	<p style="text-align: right;">BOOK 2495</p> <p>T 19 S R 19 E in N.half; S 28 in NW., S 27 in NE., S 34 in SE.and S 33 in SW.quad.;</p> <p>raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor. Land, rolling, broken. Soil, dry, sandy, 2nd and 3rd rate. Cacti. Fair grass.</p>
40.00	East, on a random line bet.secs.27 & 34. Set temp.¼ sec.cor.
80.02	Intersect N.& S.line at cor.of secs.26, 27, 34 & 35, hereinbefore described, whence I run, West, on a true line bet.secs.27 & 34. Over slightly rolling land, ascending.
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 27 in N.and S 34 in S.half;
50.20	raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
68.00	Wash, 20 lks.wide, course SE.
71.00	Wash, 30 lks.wide, course SSE.
80.02	Wash, 20 lks.wide, course SE. Cor.of secs.27, 28, 33 & 34, hereinbefore described. Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass. At this cor., at noon, I set off 5°15½'S.on the decl.arc, and observe the sun on the meridian. The resulting latitude is 31°44½'N.
5.00	N.0° 2'W., bet.secs.27 & 28. Over heavily rolling land, ascending
13.90	Wash, 20 lks.wide, course SE.
25.70	Wash, 20 lks.wide, course ESE.
40.00	Wash, 30 lks.wide, course E. 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 28 in W.and S 27 in E.half;
50.00	raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor. Wash, 50 lks.wide, course SE., asc.steep.
76.20	Spur, E.& W., desc.steep.
80.00	Set an iron post, 3 ft.long, 2 ins.in dia., 12 ins.in the ground, on bed-rock, in mound of stone, for cor.of secs. 21, 22, 27 & 28, marked on brass cap, T 19 S R 19 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, 1½ ft.high, W.of cor. Land, mountainous. Soil, dry, rocky, 3rd rate. Catsclaw and cacti. Fair grass.
40.00	East, on a random line bet.secs.22 & 27. Set temp.¼ sec.cor.
80.06	Intersect N.& S.line 5 lks.N.of cor.of secs.22, 23, 26 & 27, hereinbefore described, whence I run, N.89° 58'W., on a true line bet.secs.22 & 27. Ascending over mountainous land.
38.80	Butte, N.& S., desc.grad.
40.03	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 22 in N.and S 27 in S.half;
43.20	raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
60.00	Wash, 30 lks.wide, course S., asc.along NE.slope. Asc.steep.

BOOK 2495

Chains	Ridge, N. & S., desc. steep.
74.80	Cor. of secs. 21, 22, 27 & 28, hereinbefore described.
80.06	Land, mountainous. Soil, dry, stoney, 3rd rate. Catsclaw and cacti. Sparse grass.
	March 7, 1913.
	March 8, 1913: At 8h a.m., l.m.t., I set off 4° 55½' S. on the decl. arc; 31° 44' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 4, 5, 32 & 33, on the S. bdy. of the Tp., recently established by me & described in Book "G", whence I run N. 0° 2' W., bet. secs. 32 & 33. Ascending over mountainous land.
35.00	Spur, ENE. & WSW., desc. steep.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for ¼ sec. cor., marked on brass cap, ¼ S 32 in W. and S 33 in E. half; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
43.30	Gulch, 25 lks. wide, course ENE., asc. steep.
48.20	Spur, E. & W., desc. steep.
73.20	Road, E. & W., asc. grad.
76.50	Wash, 25 lks. wide, course ESE., asc. grad.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 28, 29, 32 & 33, marked on brass cap, T 19 S R 19 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, 1½ ft. high, W. of cor. Land, mountainous. Soil, dry, rocky, 3rd rate. Catsclaw and cacti. Sparse grass.
	East, on a random line bet. secs. 28 & 33.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. & S. line 5 lks. S. of cor. of secs. 27, 28, 33 & 34, hereinbefore described, whence I run, S. 89° 58' W., on a true line bet. secs. 28 & 33. Over mountainous land.
4.00	Wash, 20 lks. wide, course ESE.
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 28 in N. and S 33 in S. half; raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
51.00	Wash, 60 lks. wide, course S,
66.10	Wash, 25 lks. wide, course S.
66.50	Road, NE. & SW., asc.
80.02	Cor. of secs. 28, 29, 32 & 33, hereinbefore described. Land, mountainous. Soil, dry, rocky, 2nd and 3rd rate. Catsclaw and cacti. Sparse grass. At this cor., at noon, I set off 4° 52½' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 44½' N.
	N. 0° 2' W., bet. secs. 28 & 29. Ascending over mountainous land.
15.60	Wash, 15 lks. wide, course SE.
29.10	Spur, NW. & SE., desc. grad.
31.30	Gulch, 25 lks. wide, course SE., asc. grad.
35.00	Asc. steep along W. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for ¼ sec. cor., marked on brass cap ¼ S 28 in W. and S 28 in E. half;

Chains	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
72.25	Spur, SSE. from W., desc. precipitously.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 20, 21, 28 & 29, marked on brass cap, T 19 S R 19 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.
	Land, mountainous.
	Soil, dry, stoney, 3rd rate.
	Few scattered oak trees. cacti. Sparse grass.
<hr/>	
	N. $89^{\circ} 58' E.$, on a random line bet. secs. 21 & 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 5 lks. S. of cor. of secs. 21, 22, 27 & 28, as hereinbefore described , whence I run, S. $89^{\circ} 56' W.$, on a true line bet. secs. 21 & 28. Desc. steep over mountainous land.
6.00	Gulch, 20 lks. wide, course NW., asc. steep.
21.00	Spur, WNW. & ESE., desc. steep.
31.70	Gulch, 25 lks. wide, course SSW., asc. steep.
39.00	Spur, N. & S., desc. grad.
39.98	Set an iron post, 3 ft. long, 1 in. in dia., 16 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 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.
44.00	Gulch, 65 lks. wide, course S., asc. steep.
61.50	Spur, ENE. & WSW., desc. steep.
76.80	Head of wash, course N., asc. steep.
79.96	Cor. of secs. 20, 21, 28 & 29, hereinbefore described. Land, mountainous. Soil, dry, rocky, 3rd rate. Scattering oak trees. cacti. Sparse grass.

March 8, 1913.

	March 10, 1913: At 8h a.m., l.m.t., I set off $4^{\circ} 8\frac{1}{2}' S.$ on the decl. arc; $31^{\circ} 44' N.$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 5, 6, 31 & 32, on the S. bdy. of the Tp., recently established by me & described in Book "G", whence I run, N. $0^{\circ} 3' W.$, bet. secs. 31 & 32. Over gently rolling land.
8.00	Road, W. & NNE.
15.50	Wash, 15 lks. wide, 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 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.
43.00	Enter foot-hills; asc. steep.
57.00	W. point of lone hill; desc. steep.
76.80	Wash, 20 lks. wide, course SE., asc.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 29, 30, 31 & 32, marked on brass cap T 19 S R 19 E in N. half; S 30 in NW., S 29 in NE., 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 rolling, 43 chs., mountainous 37 chs.
	Soil, dry sandy rocky, 2nd and 3rd rate.
	Scattering oak trees. Fair grass.

BOOK 2495

Chains East, on a random line bet. secs. 29 & 32.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. & S. line 9 lks. N. of cor. of secs. 28, 29, 32 & 33, ~~hereinbefore described~~, whence I run, N. $89^{\circ} 56' W.$, on a true line bet. secs. 29 & 32.
 Desc. grad.
 2.50 Wash, 15 lks. wide, course SSE., asc. grad.
 13.50 Low spur, NNW. & SSE., desc.
 15.50 Wash, 15 lks. wide, course S., asc. grad.
 32.75 Spur, NNW. & SSE., desc. grad.
 38.70 Wire fence, SSE. & NNW., turns W. 2 chs. N.
 39.50 Wash, 10 lks. wide, course S., asc. grad.
 39.99 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; from which
 An oak, 4 ins. dia., bears N. $3^{\circ} W.$ 6 lks. dist., marked
 $\frac{1}{4}$ S 29 B T
 An oak, 6 ins. dia., bears S. $50^{\circ} W.$ 57 lks. dist., marked
 $\frac{1}{4}$ S 32 B T
 44.50 Spur, N. & S., desc. grad.
 47.50 House of Fred Friedwald bears S. 5 chs. dist.
 49.75 Wash, 15 lks. wide, course S., asc. grad.
 51.90 Wire fence NNW. & SSE.
 58.00 Spur, N. & S., desc. grad.
 79.98 Cor. of secs. 29, 30, 31 & 32, hereinbefore described.
 Land, heavily rolling, foot-hills of mountains.
 Soil, dry, stoney, 2nd and 3rd rate.
 Scattering oak trees. Sparse grass.
 At this cor., at noon, I set off $4^{\circ} 5\frac{1}{2}' S.$ on the decl. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ} 44\frac{1}{2}' N.$

March 10, 1913

March 15, 1913: At 8h a.m., l.m.t., I set off $2^{\circ} 10\frac{1}{2}' S.$ on the decl. arc; $31^{\circ} 44' N.$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 29, 30, 31 & 32, ^{hereinbefore} ~~described~~.
 Knowing that I will intersect the W. bdy. more than 50 lks. from the cor., I run
 West, on a true line bet. secs. 30 & 31.
 Over heavily rolling land.
 2.00 Wash, 20 lks. wide, course SE.
 16.00 Wash, 30 lks. wide, course S.
 34.00 Wash, 20 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 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.
 54.00 Wash, 50 lks. wide, course S.
 79.98 Intersect E. bdy. of T.19 S., R.18 E. at a point from which the cor. of secs. 25 & 36 bears N. 4.13 chs. dist., recently established by me, & described in Book "G"
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 30 & 31, marked on brass cap,
 C C W. of center;
 T 19 S in N. and
 S 25 S 36 R 18 E in W. half;
 S 30 in NE. and
 S 31 R 19 E in SW. quad.;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 Land, heavily rolling.
 Soil, dry, gravelly, 2nd and 3rd rate.
 A few scattering oak trees.
 Fair grass.

March 30, 1913

N. $0^{\circ} 3' W.$, bet. secs. 29 & 30.
 Asc. along W. slope of Whetstone Mts.
 10.00 Desc. grad.
 17.00 Gulch, 30 lks. wide, course W., asc. steep.
 31.50 W. slope of ridge and desc. steep.
 39.50 Gulch, 30 lks. wide, course SW., asc. steep.

153
BOOK 2495

Chains

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 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.
 66.00 W. point of high spur and desc. steep through scrub oak, cedar and juniper.
 79.00 Bluff, 50 ft. high, WSW. & ENE.
 80.00 Point for cor. falls in gulch 40 lks. wide, course WSW. ^{therefore} at
 79.75 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for witness cor. of secs. 19, 20, 29 & 30, marked on brass cap,
 W C N. of center.
 T 19 S R 19 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, mountainous.
 Soil, dry, rocky, 3rd rate.
 Scrub oak, cedar and juniper.
 Sparse grass.

From true point for cor. of secs. 19, 20, 29 & 30, I run,
 S. 89° 56' E., on a random line bet. secs. 20 & 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 2 lks. N. of cor. of secs. 20, 21, 28 & 29, ~~herebefore~~ described, whence I run,
 N. 89° 55' W., on a true line bet. secs. 20 & 29
 Over mountainous land, along steep N. slope, ascending.
 2.00 Desc. grad.
 25.00 Enter gulch, 25 lks. wide, course ENE., and along same.
 35.00 Leave gulch, flows from WSW., asc. steep.
 39.98 Set an iron post, 3 ft. long, 1 in. in dia., 12 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 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.
 60.00 Main ridge, N. & S., desc. steep.
 79.96 Point for cor. of secs. 19, 20, 29 & 30, hereinbefore described.
 Land, mountainous.
 Soil, dry, rocky, 3rd rate.
 Scattering scrub oak, cedar and juniper.
 Sparse grass.

West, on a true line bet. secs. 19 & 30, from true point for cor. of secs. 19, 20, 29 & 30 over mountainous land.
 13.00 Gulch, 20 lks. wide, course S., asc. steep.
 20.00 Spur, N. & S., desc. steep.
 28.00 Gulch, 50 lks. wide, course S., asc. steep.
 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 N. and
 S 30 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 41.00 Spur, N. & S., desc. steep.
 47;00 Gulch, 40 lks. wide, course S., asc. steep.
 74.00 Spur, NE. & SW., desc. steep.
 79.91 Intersect E. bdry. of T. 19 S., R. 18 E., at a point, whence the ^{recently established by me} ~~cor. of~~ ^{& described in Book "G"} ~~secs. 24 & 25 bears N. 4.35 chs. dist.~~
 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for closing cor. of secs. 19 & 30, marked on brass cap,
 C C W. of center.
 T 19 S in N. and
 S 24 S 25 R 18 E. in W. half;
 S 19 in NE. and
 S 30 R 19 E in SE. quad.; from which

Chains

BOOK

2495

An oak, 12 ins. dia., bears N. 70° E. 150 lks. dist., marked
T 19 S R 19 E S 19 B T

An oak, 14 ins. dia., bears S. 69° E. 55 lks. dist., marked
T 19 S R 19 E S 30 B T

Land, mountainous.
Soil, dry rocky, 3rd rate.
Scattering oak trees.
Sparse grass.

March 15, 1913.

General Description

T.19 S., R.19 E., is mostly mountainous, being in the Whetstone mountains. Most of the drainage is to the E. and SE.

There is very little agricultural land in the Tp. and no farming being done. The SE. portion is of a sandy loam and has a fair growth.

Fred Friedwald has house and water tank in sec. 32, the water for the tank being piped from a spring N. of the house.

There are mining locations in the NW. portion but no developed mines.

There is a sparse growth of oak, cedar and juniper in the mountains.

William H. C. Lord

U. S. Surveyor.

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.

 U. S. Surveyor.

156. (13)

BOOK 2495 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 19 South, Range 19 East,
of the Gila and Salt River Base and Meridian, Arizona,

executed by James S. Wright and William H. Elliott, U.S. Surveyor, under his ~~special~~ ^{supplemental} instructions dated January 13, 1913, 1913, 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. Ingalls
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.~~

~~U. S. Surveyor General.~~