

3305

Book "G"
4-679

BOOK 3305

FIELD NOTES

OF THE RETRACEMENT

of the

South boundary,

RESURVEY OF PART OF

West boundary, and

SURVEY OF THE

Subdivision lines of

TOWNSHIP 23 SOUTH, RANGE 23 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Sidney E. Blout,

In the capacity of U. S. Surveyor, under instructions dated November 8, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 64, which were approved by the Commissioner of the General Land
Office, November 23, 1915.

Retracement,
Resurvey & Survey commenced August 5, 1916.

Retracement,
Resurvey & Survey completed August 25, 1916.

Executed under Assignment
Instructions dated Jan. 14, 1916.

3305

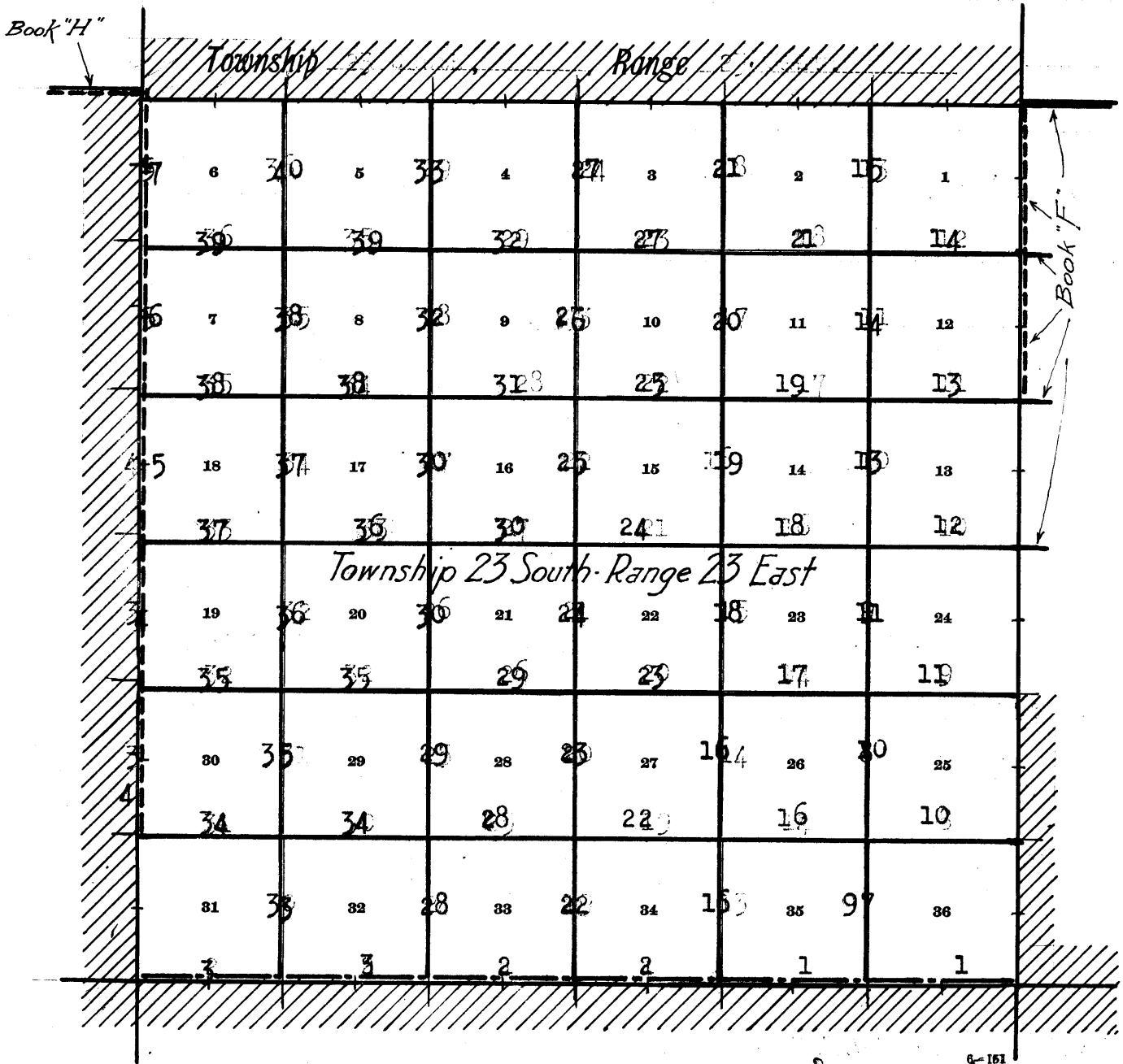
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Book "G"

Group 64 - - - Arizona.

BOOK 3305

INDEX DIAGRAM.



- Lines surveyed under this group.
- Lines resurveyed under this group.
- Lines retraced under this group.
- Accepted surveys.
- //// Areas surveyed as per accepted plats on file.

Chains.

	Retracements, Resurveys and Surveys hereinafter described, executed on dates shown on diagram on page 42 hereof, by Sidney E. Blout, U.S. Surveyor, using a Buff light mountain transit No. 9984 described, with record of test and certificate of approval in Book "F," of this group. A later test hereinafter described. A 5.00 chain steel tape properly adjusted, and clinometer are the instruments used in obtaining all measurements hereinafter recorded.
	Begin at the original cor. of T. 23 and 24 S., R. 23 and 24 E., a granite stone 12x6x6 ins. above ground, firmly set, marked with 6 notches on each of N., S.E. and W. edges, and witnessed by pits 24x24x12 ins., N., E. and W. 4 ft., and S. of cor., 8 ft. dist., and mound of earth S. of cor.
	N. 89° 54' W., on a true line, bet. secs. 1 and 36 (E. $\frac{1}{2}$). Over rolling land, thru scattering undergrowth.
5.00	Draw, 3.00 chs. wide, course S. 20° W. Ascend.
16.80	Road brs. N. 70° E. and S. 70° W.
30.00	Top of ascent, brs. N. and S. Descend.
34.80	State Highway, brs. N. 60° E. and S. 60° W. Extends Northeast-ly, to Bisbee, and Northwest-ly to Tucson.
40.07	Intersect the original $\frac{1}{2}$ sec. cor. of secs. 1 and 36, a lime-stone 8x8x8 ins., above ground, firmly set, marked "1" on N. face, and witnessed by pits E. and W., and mound of earth N. of cor. No bearing trees.
	Thence,
	N. 89° 59' W., on true line, bet. secs. 1 and 36 (W. $\frac{1}{2}$) Over rolling land, thru scattering undergrowth.
1.50	Draw, 3.00 chs. wide, course S. 20° W. Ascend.
20.00	Top of ascent, brs. N. and S. Descend.
24.70	Wash, 10 lks. wide, course S. 30° W. Ascend.
34.00	Top of ascent, brs. N. and S.; descend.
40.06	Intersect the original cor. of secs. 1, 2, 35 and 36, a granite stone, 8x8x12 ins. above ground, firmly set, marked with 1 notch on E. and 5 notches on W. edges, and witnessed by pits NW., NE., SE. and SW., and mound of earth W. of cor. No bearing trees.
	Land, rolling. Soil, gravelly and rocky, 4th rate. No timber. Undergrowth, scattering scrub mesquite, mescal, ocotillo and buck brush. Good grass.
	N. 89° 56' W., on a true line, bet. secs. 2 and 35 (E. $\frac{1}{2}$) Over rolling and hilly land, thru scattering undergrowth. Descend.
3.00	Wash, 10 lks. wide, course S. 10° E. Ascend NE. slope of limestone knoll.
15.00	Top of ascent on N. side of knoll. Descend over NW. slope.
26.15	Wash, 20 lks. wide, course S. 30° W. Ascend on SE. slope.
32.80	Old railroad bed, brs. N. 60° E. and S. 60° W.
39.93	Intersect the original $\frac{1}{2}$ sec. cor. of secs. 2 and 35, a limestone, 10x10x20 ins. above ground, firmly set, marked "2" on N. face, witnessed by mound of stone, N. of cor. No bearing trees.
	Thence,
	N. 89° 58' W., on true line, bet. secs. 2 and 35 (W. $\frac{1}{2}$). Over rolling and hilly land, thru scattering undergrowth; ascend on SE. slope.
11.00	Spur, slopes S. 60° W. Descend on NW. slope.
23.45	Old railroad bed brs. N. 50° W. and S. 50° E.
39.90	Intersect the original cor. of secs. 2, 3, 34 and 35, a lime-stone 8x12x12 ins. above ground, firmly set, marked with 2 notches on E. and 4 notches on W. edges, and witnessed by pits NE., SE., SW. and NW., and mound of earth W. of cor.

2. Retracement of S. bdy. of Township 23 South Range 23 East.

Chains.

Land, rolling and hilly.
Soil, gravelly and rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, mescal and ocotillo.
Good grass.

39.94 N.89°56' W., on a true line, bet. secs. 3 and 34, (E. $\frac{1}{2}$).
Over rolling and hilly land, thru. scattering undergrowth;
descend gradual SW. slope.
Intersect the original $\frac{1}{4}$ sec. cor. of secs. 3 and 34, a lime-
stone, 10x10x10 ins. above ground, firmly set, marked
"1" on N. face, and witnessed by mound of stone, N. of cor.
No bearing trees.

Thence,
N.89°53' W., on true line, bet. secs. 3 and 34 (W. $\frac{1}{2}$).
Over rolling and hilly land, thru. scattering undergrowth.
Descend gradual SW. slope.

34.60 State Highway, brs. N.40° W. and S.40° E. Extends north-
easterly to Bisbee and Northwesterly to Tucson.

39.96 Intersect the original cor. of secs. 3, 4, 33 and 34, a
limestone, 6x10x10 ins. above ground, firmly set, marked
with 3 notches on each of E. and W. edges, and witnessed
by pits NE., SE., SW., and NW. of cor., and mound of
earth W. of cor. No bearing trees.

Land, rolling and hilly, sloping SW.
Soil, gravelly and rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood.
Good grass.

5.35 N.89° 54' W., on true line, bet. secs. 4 and 33 (E. $\frac{1}{2}$).
24.00 Over level land, thru. scattering undergrowth.
Road, brs. N.20° W. and S.20° E.

39.99 Draw, 2.00 chs. wide, course S.10° W.

Intersect the original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, a
limestone, 8x10x12 ins., above, firmly set, marked "1"
on N. face, and witnessed by pits, E. and W., and mound
of earth, N. of cor.
No bearing trees.

Thence,
N.89° 54' W., on true line, bet. secs. 4 and 33 (W. $\frac{1}{2}$)
Over level land, thru. scattering undergrowth. Along road,
brs. W. from SE.

38.80 House brs. S. about 2.00 chs. dist.

40.02 Intersect the original cor. of secs. 4, 5, 32 and 33 on N.
side of road, bearing E. and W., a limestone, 10x10x10
ins. above ground, firmly set, marked with 4 notches
on E. and 2 notches on W. edge, and witnessed by pits
NE., SE., SW. and NW., and mound of earth W. of cor.
No bearing trees.

Land, level, sloping SW.
Soil, gravelly loam, 2nd rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood.
Good grass.

40.04 N.89° 54' W., on true line, bet. secs. 5 and 32. (E. $\frac{1}{2}$).
Over level land, thru. scattering undergrowth. Along road,
brs. E. and W.

Intersect the original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, a
limestone, 8x8x4 ins., above ground, firmly set, marked
"1" on N. face, and witnessed by pits E. and W., and
mound of earth, N. of cor.
No bearing trees.
Thence,

Retracement of S. bdy. of Township 23 South Range 23 East. 3.

Chains.

- N.89° 55' W., on true line, bet. secs. 5 and 32 (W. $\frac{1}{2}$).
Over level land, thru scattering undergrowth. Along road,
brs. E. and W.
- 40.00 Intersect original cor. of secs. 5, 6, 31 and 32, a lime-
stone, 8x8x4 ins., above ground, firmly set, marked with
5 notches on E. and 1 notch on W. edges, and witnessed
by pits NE., SE., SW. and NW., and mound of earth W. of
cor. No bearing trees.
Land, level, sloping SW.
Soil, gravelly loam, 2nd rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood.
Good grass.
-
- N.89° 52' W., on a true line, bet. secs. 6 and 31 (E. $\frac{1}{2}$).
Over level land, thru scattering undergrowth, along road,
brs. E. and W.
- 21.30 Leave road, bearing E. and W. at intersection of road, bear-
ing NW. and SE.
- 40.04 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 6 and 31, a lime-
stone, 6x6x6 ins. above ground, firmly set, marked "1"
on N. face, and witnessed by pits E. and W., and mound of
earth, N. of cor.
No bearing trees.
Thence,
N.89° 53' W., on true line, bet. secs. 6 and 31 (W. $\frac{1}{2}$).
Over level land, thru scattering undergrowth.
- 12.60 Center of E.P. & S.W.R.R. track, brs. N.40° W. and S.40° E.
- 13.60 Telegraph line, parallel to R.R.
- 39.56 Intersect the original cor. of Ts. 23 and 24 S., Rs. 22 and
23 E., a granite stone, 12x8x8 ins. above ground, firmly
set, marked with 6 notches on each of N., S., E. and W.
edges, and witnessed by mound of stone, S. of cor. No
bearing trees.
Land, level, sloping SW.
Soil, gravelly loam, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood.
Good grass.
-

4. Resurvey of part of W. bdy. of Township 23 South Range 23 East.

Chains

Begin at the original cor. of secs. 25, 30, 31 and 36 on W. bdy. of Tp., a limestone, 6x10x10 ins. above ground, firmly set, marked with 1 notch on S. and 5 notches on N. edge, and witnessed by pits NE., SE., SW. and NW., and mound of earth W. of cor.

Thence,

N. 0° 3' E., on a true line, on W. bdy. of sec. 30 (S. 1/2).

Over level land, thru scattering undergrowth.

40.15

Intersect the original 1/2 sec. cor. of secs. 25 and 30, a red wood post, 4 ins. sq., 14 ins. above ground, firmly set, marked "S 25" on W., and "S 30" on E. face, and witnessed by pits N. and S., and mound of earth, W. of cor.

No bearing trees.

Thence,

N. 0° 3' E., on true line, on W. bdy. of sec. 30 (N. 1/2).

Over level land, thru scattering undergrowth.

27.80

Road brs. N. 50° E. and S. 50° W.

38.70

Road from Hereford to Bisbee, Arizona, brs. E. and W.

38.75

Wire fence, brs. E. and W.

39.85

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 19 and 30, marked on brass cap,

T23S
S19

S30
R23E

1916

Dig pits, 24x24x12 ins., in each sec. 6 ft. dist., and scatter the earth.

Land, level, sandy valley, slopes to the west.

Soil, dry, sandy loam, about 12 ins. deep, 2nd rate.

No timber.

Undergrowth, scattering scrub mesquite, greasewood, chaparral, joshua and soto, 3 to 6 ft. high.

Good grass.

.61

N. 0° 03' E. on a true line, on W. bdy. of sec. 19.

Over level and rolling land, thru scattering undergrowth.

(40.46 chs. N. 0° 3' E. from 1/2 sec. cor. of secs. 25 and 30) Intersect the original cor. of secs. 19, 24, 25 and 30, a limestone 10x6x6 ins. above ground, firmly set, marked with 2 notches on S. and 4 notches on N. edges, and witnessed by pits NE., SE., SW. and NW., and mound of earth W. of cor.

No bearing trees. Reestablish this cor. to refer to secs. 24 and 25, T. 23 S., R. 22 E. only, by filling in pits NE. and SE. of cor., and enlarging pits NW. and SW. of cor. to 24x24x12 ins.

Thence,

N. 0° 5' W., on a true line, continuing measurement of W. bdy. of sec. 19.

5.40

Road, brs. E. and W.

5.80

Wash, 10 lks. wide, 6 ft. deep, course S. 70° W.

17.51

Wash, 2.00 chs. wide, course S. 60° W.

18.60

Wire fence, brs. N. 70° E. and S. 70° W.

38.60

Wash, 1.00 chain wide, course N. 60° W., banks 6 ft. high.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/2 sec. cor. of sec. 19, marked on brass cap,

S19

1916

Resurvey of part of W. bdy. of Township 23 South Range 23 East. 5.

Chains.

40.73 Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. (40.12 chs. N.0° 5' W. from reestablished cor. of secs. 24 and 25) Intersect the original ¼ sec. cor. of secs. 19 and 24, a limestone, 8x6x6 ins. above ground, firmly set, marked "¼ 24" on W. and "19" on E. face, and witnessed by mound of stone, W. of cor. No bearing trees. Reestablish this cor. to refer to sec. 24 only by obliterating marking on E. face. No change made in accessories.

Thence, N.0° 6' E., on a true line, continuing measurement of W. bdy. of sec. 19.

41.75 Wash, 50 lks. wide, 8 ft. deep, course S.50° W.

48.60 Wash, 25 lks. wide, 6 ft. deep, course S.60° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 18 and 19, marked on brass cap,

T23S
 S18
 S19
 R23E

1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Land, level and rolling, slopes to the W. and SW. Soil, gravelly and rocky clay loam, 2nd and 3rd rate. No timber. Undergrowth, scattering scrub mesquite, chaparral, joshua and soto, 2 to 6 ft. high. Good grass.

.43 N.0° 6' E., on a true line, on W. bdy. of sec. 18.
 .83 Over rolling land, thru. scattering undergrowth. Wash, 60 lks. wide, banks, 8 ft. high, course W. (40.10 chs. N.0° 6' E. from reestablished ¼ sec. cor. of sec. 24) Intersect the original true point for cor. of secs. 13, 18, 19 and 24, which falls in sand wash, and was originally witnessed 1.00 chain N.

Thence, N.0° 2' E. on a true line, continuing measurement of W. bdy. of sec. 18.

1.83 Intersect the original witness cor. to cor. of secs. 13, 18, 19 and 24, a granite stone, 10x6x6 ins., above ground, firmly set, marked "WC" with 3 notches on each of N. and S. edges, and witnessed by pits NE., SE., SW. and NW., and mound of earth, W. of cor. No bearing trees. Reestablish this W.C. to refer to cor. of secs. 13 and 24, T.23 S., R.22 E. only by filling in pits NE. and SE., and enlarging pits NW. and SW. of cor. to 24x24x12 ins.

10.48 Road brs. E. and W.

16.63 Wash, 20 lks. wide, 5 ft. deep, course W.

34.05 Wash, 150 lks. wide, 8 ft. deep, course S.60° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor. of sec. 18, marked on brass cap,

S18

1916

40.98 Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. (40.15 chs. N.0° 2' E. from true point for reestablished cor. of secs. 13 and 24) Intersect the original ¼ sec. cor. of secs. 13 and 18, a limestone 12x10x10 ins. above ground, firmly set, marked "¼ 13" on W., and "18" on E. face, and witnessed by pits N. and S., and mound of earth W. of cor. No bearing trees. Reestablish

6. Resurvey of part of the W. bdy. of T. 23 S., R. 23 E.

Chains. this cor. to refer to sec.13 only, by obliterating marking on E. face. No change made in accessories. Continue measurement of W. bdy. of sec.18, on same course.
 61.00 Wash, 15 lks.wide, 8 ft. deep, course N.70° W.
 63.00 Low gravelly ridge, bra.E. and W.
 67.00 Wash, 200 lks.wide, 4 ft. deep, course W.
 71.00 Wash, 60 lks.wide, 5 ft. deep, course S. 70°W.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor.of secs. 7 and 18, marked on brass cap,

T23S
 S7
 S18
 R23E

1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, E.of cor. Land, rolling valley, slopes to the SW.
 Soil, rocky and gravelly clay loam, about 12 ins. deep, 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, chaparral, ocotillo, joshua and soto, 4 to 6 ft.high.
 Good grass.

N.0°2'E. on true line, on W.bdy.of sec.7.
 Over rolling land, thru scattering undergrowth.
 .10 Intersect the original witness cor. to cor. of secs.7,12, 13 and 18, a granite stone 12x12x10 ins. above ground firmly set, marked "WC" with 4 notches on S.and 2 notches on N.edge, and witnessed by mound of stone, W. of cor., and one tree NW.of cor., marked "T23S R22E S13 WC BT."

This witness cor. now refers to cor.of secs.12 and 13, T,23 S., R.22 E. only. No change necessary.
 1.10 (40.12 chs. N.0° 2'E. from reestablished sec.cor.of sec.13) Intersect the original true point for cor.of secs. 7,12, 13 and 18 in wash 40 lks.wide, 4 ft. deep, course S. 40°W. Now becomes true point for cor.of secs.12 and 13, T.23 S., R.22 E. only.

Thence,
 N.0° 7' E., on a true line, continuing measurement of W. bdy, of sec.7.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for reestablished sec.cor.of sec.7, marked on brass cap,

S7

1916

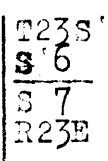
Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
 40.95 (39.85 chs. N.0°7'E. from true point for reestablished cor. of secs. 12 and 13) Intersect the original sec.cor. of secs.7 and 12, a redwood post 3 ins.sq., 14 ins. above ground, firmly set, marked "S 12" on W., "S 7" on E. face, and witnessed by pits, N.and S., and mound of earth W.of cor. Reestablish this cor. to refer to sec.12 only by obliterating marking on E.face. No other change necessary.

Thence,
 N.0° 1'W., on a true line, continuing measurement of W. bdy. of sec.7.
 44.95 Wash, 30 lks.wide, 5 ft. deep, course S.60° W.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor.of secs.6 and 7,

Resurvey of part of W. bdy. of Township 23 South Range 23 E. 7

Chains.

marked on brass cap,



1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Land, rolling valley, slopes to the SW. Soil, dry, rocky clay loam, about 12 ins. deep, 3rd rate. No timber. Undergrowth, scattering scrub mesquite, greasewood, chaparral, soto and joshua, 4 ft. high. Good grass.

.90

N.0°1'W., on a true line, on W. bdy. of sec. 6. Over rolling land, thru scattering undergrowth. (39.95 chs. N.0°1'W. from reestablished ¼ sec. cor. of sec. 12) Intersect the original cor. of secs. 1, 6, 7 and 12, a limestone, 8x12x12 ins. above ground, firmly set, marked with 1 notch on N. and 5 notches on S. edge, and witnessed by mound of stone, W. of cor. No bearing trees. This cor. now refers to secs. 1 and 12 only. No change in marking or accessories necessary.

40.00

Thence, N.0°7'E., on a true line, continuing measurement of W. bdy. of sec. 6. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor. of sec. 6, marked on brass cap,



1916

41.03

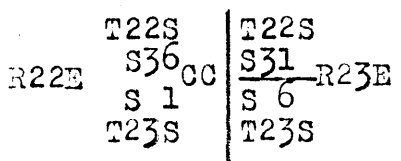
Raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor. No trace of original ¼ sec. cor. of secs. 1 and 6 can be found after diligent search; therefore, at (40.13 chs. N.0°7'E. from reestablished cor. of secs. 1 and 12, being midpoint between existing cors. N. and S., which refer to sec. 1) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor. of sec. 1, marked on brass cap,



1916

51.40
62.50
76.28

Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Abandoned railroad, grade or bed, brs. N.30°W. and S.30°E. Road brs. E. and W. Intersect the original closing cor. of Ts. 22 and 23 S., R. 23 E., an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,



1913

81.16

and witnessed by pits N., S. and E., and mound of earth E. of cor. (40.13 chs. N.0°7'E. from reestablished ¼ sec. cor. of sec. 1) Intersect the cor. of Ts. 22 and 23 S., R. 22 E., a limestone 12x10x8 ins., above ground, firmly set,

8 Resurvey of part of W. bdy. of Township 23 South, Range 23 East

Chains.
 marked with 6 notches on N., S. and W. edges, and witnessed by mound of stone, W. of cor. No bearing trees.
 Land, rolling stony valley, slopes to the southwest.
 Soil, gravelly and rocky clay loam, about 10 ins. deep, 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, soto, joshua, chaparal and ocotillo, 4 to 8 ft. high.
 Good grass.

Boundaries of Township 23 South, Range 23 East.
 Latitudes, Departures, and Closing Errors.

Line designated.	True Course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	N. 89° 54' W.	40.07	.07			40.07
	N. 89° 59' W.	40.06	.01			40.06
	N. 89° 56' W.	39.93	.04			39.93
	N. 89° 58' W.	39.90	.02			39.90
	N. 89° 56' W.	39.94	.04			39.94
	N. 89° 53' W.	39.96	.08			39.96
	N. 89° 54' W.	120.05	.21			120.05
	N. 89° 55' W.	40.00	.06			40.00
	N. 89° 52' W.	40.04	.09			40.04
	N. 89° 53' W.	39.56	.08			39.56
West boundary,	North,	80.00	80.00			
	N. 0° 3' W.	80.61	80.61			
	N. 0° 5' W.	40.12	40.12			.06
	N. 0° 6' E.	40.10	40.10			.07
	N. 0° 2' E.	80.27	80.27			.05
	N. 0° 7' E.	39.85	39.85			.08
	N. 0° 1' W.	39.95	39.95			.01
	N. 0° 7' E.	75.38	75.38			.15
North boundary,	East,	479.46			479.46	
East boundary,	South,	477.95		477.95		
Convergency,					.45	
Totals, -----			476.98	477.95	480.33	479.58
				476.98	479.58	
Error in latitude,			0.97			
Error in departure,					0.75	

Chains.

TEST OF INSTRUMENT.

Examine the adjustments of the transit, and correct the level and collimation errors, then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m. and p.m. hours with a meridian, established by observation on Polaris, proceed as follows:

At camp, which is located near the cor. of secs. 15, 16, 21 and 22, T. 23 S., R. 23 E.; latitude, 31° 25' 20" N.; longitude, 110° 01' 07" W., at 4h. 24m. p.m., l.m.t., set off 31° 25' N. on the lat. arc; 16° 54' N. on the decl. arc, and determine a meridian with the solar, and mark a point thereon by a tack driven in a stake set in the ground, 5.00 chs. N. of instrument.

At 10h. 36m. p.m., l.m.t., observe Polaris at eastern elongation, and mark the direction thus determined by a tack driven in a stake set in the ground, 5.00 chs. N. of instrument.

August 5, 1916.

August 6: At 6 a.m., lay off the azimuth of Polaris, 1° 20' to the west, and mark the meridian thus determined by a tally pine driven in the stake set last evening on which the meridian falls 0.4 ins. E. of the mark determined by the solar.

At 7h. 36m. a.m., l.m.t., set off 31° 25' N. on the lat. arc; 16° 53' N. on the decl. arc, and determine a meridian with the solar, and mark a point thereon by a nail driven in the stake already set, 5.00 chs. N. of instrument; this point falls 0.04 ins. E. of the point determined by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively, about 0' 20" W., and 0' 20" E. of the meridian established by the Polaris observation; therefore, conclude that the adjustments of the instrument are satisfactory.

Begin at the original cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp., hereinbefore described.

Thence, N. 0° 1' W., bet. secs. 35 and 36.

Over rolling land, thru scattering undergrowth. Ascend 80 ft. on gradual SW. slope.

9.40
35.00 Abandoned railroad grade or bed, brs. N. 70° E. and S. 70° W. Leave rolling land; enter mountainous land. Ascend 198 ft. on steep SW. slope of spur.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

435 | 336

1916

44.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Limestone spur, slopes S. 60° E. Descend 131 ft. on NE. slope.

70.00 Ravine, 10 lks. wide, course N. 60° E. Leave mountainous, and enter rolling land. Ascend 30 ft.

76.00 Spur, slopes E. Descend 12 ft. on NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

T23S | R23E
S26 | S25
S35 | S36

1916

10. Subdivision of Township 23 North, Range 23 East.

Chains.

Raise a mound of stone, 2 ft, base, 1 1/2 ft. high, W. of cor. Land, rolling and mountainous. Soil, rocky clay loam, 4 to 12 ins. deep, 4th rate. No timber. Undergrowth, scattering scrub mesquite, mescal, Spanish dagger and buck brush, 3 to 6 ft. high. Good grass.

40.00 s. 89° 57' E., on a random line, bet. secs. 25 and 36. Set temp. 1/4 sec. cor.

80.02 Intersect E bdy. of Tp., 18 lks. S. of the original cor. of secs. 25, 30, 31 and 36, a granite stone 6x12x10 ins. above ground, firmly set, marked with 1 notch on S. and 5 notches on N. edge, and witnessed by mound of stone, W. of cor. No bearing trees.

Thence,

S. 89° 55' W., on a true line, bet. secs. 25 and 36.

18.80 Over rolling land, thru. scattering undergrowth. Wash, 60 lks. wide, course S. Ascend 15 ft. on E. slope.

25.00 Gravelly knoll, brs. N. and S. Descend over rolling W. slope.

40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 25

S 36

1916

45.72 Raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Ravine, 30 lks. wide, 8 ft. deep, course S. Ascend 91 ft. on E. slope.

70.00 Sour, slopes S. 70° E. Descend 44 ft. on SW. slope.

79.50 Ravine, 25 lks. wide, course S. 70° E. Ascend 5 ft.

80.02 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil of east 40 chs., gravelly clay loam, about 12 ins. deep, 3rd rate; of W. 40 chs. rocky, 4 ins. deep, 4th rate.

No timber.

Undergrowth, scattering scrub mesquite, greasewood, mescal, ocotillo and buck brush, 3 to 6 ft. high.

Good grass.

N. 0° 01' W., bet. secs. 25 and 26.

Over mountainous land, thru. scattering undergrowth. Descend 6 ft. on NE. slope.

.60 Ravine, 25 lks. wide, course S. 70° E. Ascend 430 ft. on SW. slope.

22.00 Spur, slopes S. 60° E. Descend 255 ft. on NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 26 | S 25

1916

51.15 Raise a mound of stone, 2 ft, base, 1 1/2 ft. high, W. of cor. Ravine, 10 lks. wide, course S. 60° E. Ascend 27 ft. on SW. slope.

55.50 Ridge, brs. N. 20° E. and S. 20° W. Descend 188 ft. on NW. slope.

74.45 Ravine, 15 lks. wide, course S. 70° W. Ascend 91 ft. on SE. slope.

79.80 Spur, slopes S. 70° W. Descend 5 ft. on NW. slope.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap,

Subdivision of Township 23 South, Range 23 East. 11

Chains.

T23S	R23E
S23	S24
S26	S25
1916	

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, mescal, soto, ocotillo, mountain mahogany, buck brush and cacti.
 Good grass.

40.00
79.84

N. 89° 55' E., on a random line, bet. secs. 24 and 25.
 Set temp. sec. cor.
 Intersect E. bdy. of Tp., 8 lks. S. of the original cor. of secs. 19, 24, 25 and 30, a limestone 6x8x8 ins. above ground, firmly set, with 2 notches on S. and 4 notches on N. edge, and witnessed by mound of stone, W. of cor.
 No bearing tree.

14.85
17.54

Thence, S. 89° 52' W., on a true line, bet. secs. 24 and 25.
 Over mountainous land, thru. scattering undergrowth. Ascend 43 ft. on NE. slope.
 Spur, slopes SE. Descend 25 ft. on SW. slope.
 Ravine, 20 lks. wide, course S. 10° E. Ascend 330 ft. on NE. slope.

29.85
39.92

Spur, slopes SE. Descend 332 ft. on SW. slope.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for sec. cor., marked on brass cap,

S 24
S 25
1916

41.15
43.15
63.35

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Ravine, 20 lks. wide, course S. Ascend 223 ft. on E. slope.
 Road brs. N. and S.
 Ridge, brs. N. 10° E. and S. 40° W. Descend 161 ft. on NW. slope.

79.84

The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous.
 Soil, dry, rocky clay loam, 3 to 12 ins. deep, 4th rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, buck brush, ocotillo, soto, mescal, mountain mahogany and cacti, 3 ft. high.
 Good grass.

10.20

N. 0° 01' W., bet. secs. 23 and 24.
 Over mountainous land, thru. scattering undergrowth. Desc. 74 ft. on NW. slope.
 Ravine, 20 lks. wide, course S. 40° W. Ascend 113 ft. on SE. slope.

14.62
26.75

Road, brs. N. 20° E. and S. 20° W.
 Ridge, brs. E. and W. Descend 71 ft. on N. slope.
 Wash, 60 lks. wide, course N. 70° W. in bottom of Abrijo Canyon. Ascend 328 ft. on SW. slope.

31.25
39.90

Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, and build a mound of stone around the post for witness cor. to the sec. cor., marked on brass cap,

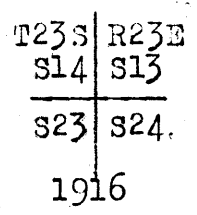
S23	S24
W	C
1916	

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

12. Subdivision of Township 23 South, Range 23 East.

Chains
40.00
45.60
63.40
80.00

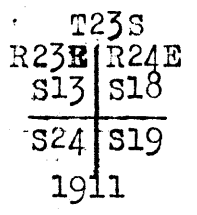
point for sec. cor. falls on steep slide rock, where it is impossible to establish a permanent cor. therefore at the exact cor. point cut a cross (x) & at a point 10 lks. S. 0° 1' E., set W.C. as described above.
Spur, slopes S. 70° W. Descend 247 ft. on NW. slope.
Ravine, 30 lks. wide, course S. 60° W. Asc. 121 ft. on SE. slope.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap,



Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, mountainous.
Soil, rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, chaparral, mescal, ocotillo, soto, buck brush, and mountain mahogany, 4ft. high.
Good grass.

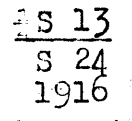
40.00
79.94

N. 89° 52' E., on a random line, bet. secs. 13 and 24.
Set temp. sec. cor.
Intersect E. bdy. of Tp., 40 lks. N. of the original cor. of secs. 13, 18, 19 and 24, an iron post 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,



and witnessed by mound of stone, W. of cor.
Thence,
N. 89° 51' W., on a true line, bet. secs. 13 and 24.
Over mountainous land, thru scattering undergrowth. Ascend 112 ft. on rocky E. slope.
Top of spur, slopes S. Descend 404 ft. on W. slope.
Wash, 20 lks. wide, course S. in bottom of Abrijo Canyon. Ascend 190 ft. on E. slope.
Ridge, brs. N. and S. 20° W. Descend 218 ft. on NW. slope.
Ravine, 15 lks. wide, course S. 50° W. Ascend 38 ft. on SE. slope.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for sec. cor., marked on brass cap,

2.65
18.10
25.34
34.50
39.97



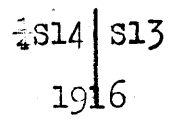
44.95
59.85
62.95
73.90
78.35
79.10
79.94

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
Spur, slopes S. 10° W. Descend 60 ft. on NW. slope.
Ravine, 20 lks. wide, course S. Ascend 56 ft. on E. slope.
Ridge, brs. N. and S. Descend 131 ft. on W. slope.
Ravine, 10 lks. wide, course S. 10° W. Asc. 36 ft. on SE. slope.
Spur, slopes S. Descend 10 ft. on W. slope.
Ravine, 15 lks. wide, course S. 30° E. Asc. 18 ft. on SE. slope.
The cor. of secs. 13, 14, 23 and 24.
Land, mountainous. Soil, rocky, clay loam, 2, tot 8 ins deep, 4th rate. No timber.
Undergrowth, scattering scrub oak, juniper, chaparral, mescal, soto, ocotillo and mountain mahogany, 4th rate.
Good grass.

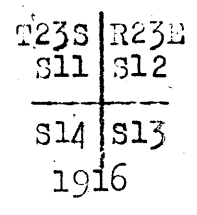
Subdivision of Township 23 South, Range 23 East. 13.

Chains.

- N.0° 01' W., bet. secs.13 and 14.
Over mountainous land, thru. scattering undergrowth. Descend 15 ft. on NE. slope.
- 1.00 Ravine, 20 lks. wide, course S.30° E. Ascend 39 ft. on SW.slope.
- 4.80 Left bank of same ravine. Descend NW.slope.
- 5.00 Bottom of same ravine, 25 lks.wide, course S.20°W. Ascend 71 ft. on SE.slope.
- 13.50 Spur, slopes S.30°W. Descend 9 ft. on NW. slope.
- 17.85 Ravine, 20 lks.wide, course S.60° W. Ascend 183 ft.on SE. slope.
- 28.00 Spur, slopes S.30° W. Descend 58 ft. on NW.slope.
- 37.65 Ravine, 10 lks.wide, course S.60°W. Ascend 85 ft. on SE. slope.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

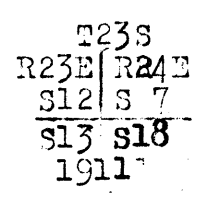


- 45.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Spur, slopes S. 60° W. Descend 11 ft. on NW. slope.
- 48.55 Ravine, 20 lks.wide, course S. 60° W. Ascend 157 ft.on SE. slope.
- 55.70 Spur, slopes S.70°W. Descend 24 ft. on NW.slope.
- 57.00 Ravine, 15 lks.wide, course W. Ascend 655 ft. on S.slope.
- 77.00 Rocky spur, slopes N.50°W. Descend 18 ft. on NE.slope.
- 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs.11,12,13 and 14, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, soto, mescal, ocotillo and mountain mahogany, 4ft. high.
Good grass.

- 40.00 S 89°51'E., on a random line, bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec.cor.
- 79.98 Intersect E. bdy.of Tp., 3 lks.S. of the original cor.of secs. 7,12, 13 and 18, an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,



- and witnessed by mound of stone, W. of cor. Thence,
N.89°52'W., on a true line, bet. secs.12 and 13.
Over mountainous land, thru. scattering timber and undergrowth. Descend 325 ft. on SW.slope.
- 15.00 Ravine, 25 lks.wide, course S.30°E. in Abrijo Canyon, near head of same.
Ascend 500 ft. on NE.slope.
- 39.60 Escabrosa ridge of the Mule Mountains, brs.N.60°W. and S, 60°E. Descend 531 ft. over S.slope of spur.

14. Subdivision of Township 23 South, Range 23 East.

Chains.

39.99

Set an iron post, 3 ft. long, 1 in. in diam., firmly set in a mound of stone, marked on brass cap,

S 12

S 13

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. The top of Mt. Ballard brs. N. from this cor. in the center of sec. 12.

62.00

Spur, slopes S. 60° W. Descend 300 ft. over NW. slope of spur.

79.98

The cor. of secs. 11, 12, 13 and 14.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, scattering oak and juniper.

Undergrowth, scattering scrub oak, juniper, buck brush and mountain mahogany.

Good grass.

N. 0° 01' W., bet. secs. 11 and 12.

Over mountainous land, thru scattering timber and undergrowth. Descend 45 ft. on NW. slope of spur, to

4.80

Top of cliff, 60 ft. high, brs. N. 50° W. and S. 40° E. From foot of cliff, descend 437 ft. on NE. slope.

16.20

Ravine, 30 lks. wide, course N. 40° W. Ascend 20 ft. on SW. slope.

19.00

Spur, slopes NE. Descend 25 ft. on NW. slope.

21.85

Wash, 30 lks. wide, in bottom of Bolsa Canyon, course S. 70° W. Ascend 678 ft. on broken S. slope.

39.60

Granite cliff 30 ft. high, brs. E. and W., extends E. 3 chs. and W. 4 chs. dist.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap,

S 11 | S 12

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

41.30

Spur, slopes W. Descend 478 ft. on N. slope.

57.90

Ravine, 30 lks. wide, course S. 60° W. Ascend 487 ft. on SE. slope.

71.40

Spur, slopes S. 60° W. Descend 93 ft. on NE. slope.

79.56

Ravine, 10 lks. wide, course W. Ascend 12 ft. on SW. slope, to

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap,

T23S | R23E

S 2 | S 1

S 11 | S 12

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, scattering juniper and oak.

Undergrowth, scattering scrub oak, juniper, pinon, soto, mescal and locust.

Good grass.

S. 89° 52' E., on a random line, bet. secs. 1 and 12.

40.00

Set temp. 1/4 sec. cor.

79.94

Intersect E. bdy. of Tp. 14 lks. N. of the reestablished cor. of secs. 1, 6, 7 and 12, described in Book "F" of this group.

Subdivision of Township 23 South, Range 23 East. 15.

Chains.

Thence
 N.89°46'W., on a true line, bet. secs. 1 and 12.
 Over mountainous land, thru scattering timber and under-
 growth. Descend 175 ft. on NW.slope.
 16.50 Ravine, 20 lks.wide, in bottom of canyon, course N.40°E.
 Ascend 750 ft. on SE.slope.
 38.50 Spur, slopes N. 30°E. Descend 280 ft.on NW.slope.
 39.97 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
 ground, for sec.cor., marked on brass cap,

S 1
 S 12
 1916

53.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Ravine, 20 lks.wide, in bottom of canyon, course N.40°E.
 Ascend 200 ft. on SE. slope.
 63.00 Escabrosa ridge of the Mule Mountains, brs.N.30°W. and S.
 20°E. Descend 395 ft. over W.slope.
 79.94 The cor.of secs.1,2,11 and 12.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak and juniper.
 Undergrowth, scattering scrub oak and juniper, pinyon, soto,
 mescal and mountain mahogany.
 Good grass.

40.00 N.0° 1' W. on a random line, bet. secs. 1 and 2.
 Set temp. sec.cor.
 77.60 Intersect N. bdy. of Tp., 8 lks.E. of the original cor.of
 secs. 1,2, 35 and 36, an iron post, 3 ins. in diam.,
 set firmly in a mound of stone, marked

T22S
 S35 | S36
 R23E S 2 | S 1
 T23S
 1913

and witnessed by a mound of stone, W. of cor. No bear-
ing trees.

Thence,
 S.0° 4'E., on a true line, bet. secs.1 and 2.
 Over mountainous land, thru scattering timber and under-
 growth. Descend 158 ft. on SE.slope.
 7.90 Ravine, 25 lks.wide, in bottom of canyon, course N.60°E.
 Ascend 1000 ft., over broken NW.slope.
 12.80 Gulch, 10 lks.wide, 10 ft. deep, course N.10°W.
 36.10 Spur, slopes N.40°E. Descend 32 ft. over SE. slopes. in
 37.60 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in, the
 ground for sec.cor., marked on brass cap,

S1 | S2
 S2 | S1
 1916

42.90 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Ravine, 6 lks.wide, course E. Ascend 334 ft. on NE.slope.
 59.40 Escabrosa ridge of the Mule Mountains, brs.N.40°W. and S.
 40°E. Descend 153 ft. on SW.slope.
 77.60 The cor.of secs.1,2, 11 and 12.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak and juniper.
 Undergrowth, scattering scrub oak, juniper, pinon and im-
 mountain mahogany.
 Good grass.

16. Subdivision of Township 23 South, Range 23 East.

Chains.

From the original cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp., hereinbefore described, N. 0° 01' W., bet. secs. 34 and 35. Over rolling land, thru. scattering undergrowth, ascending SW. slope.

15.90 Road, brs. N. 20° W. and S. 20° E.

18.30 Abandoned railroad, grade or bed, brs. N. 40° W. and S. 40° E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

S34 | S35

1916

60.00 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Leave rolling land, brs. N. 60° W. and S. 60° E. Enter mountainous land; ascend 157 ft. on SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap,

T23S | R23E
S27 | S26

S34 | S35

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling and mountainous. Soil, rocky, 3rd and 4th rate. No timber. Undergrowth; scattering greasewood, buck brush and ocotillo, 3 to 6 ft. high. Good grass.

40.00 s. 89° 57' E., on a random line, bet. secs. 26 and 35. Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence,

N. 89° 58' W., on a true line, bet. secs. 26 and 35.

Over mountainous land, thru. scattering undergrowth, ascend 417 ft. on NE. slope.

31.00 Ridge, brs. N. and S. Descend 335 ft. on SW. slope.

40.01 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

S 26

S 35

1916

57.22 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Ravine, 16 lks. wide, course S. 50° W. Ascend 24 ft. on SE. slope.

73.50 Spur, slopes S. Descend 213 ft. on W. slope.

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

Land, mountainous.

Soil, rocky, 3rd and 4th rate.

No timber.

Undergrowth, scattering scrub mesquite, greasewood, chaparral, soto, ocotillo, mescal and buck brush.

Good grass.

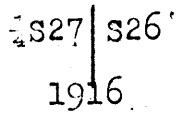
N. 0° 01' W., bet. secs. 26 and 27.

Over mountainous land, thru. scattering undergrowth. Descend 23 ft. on NW. slope.

Subdivision of Township 23 South, Range 23 East 17

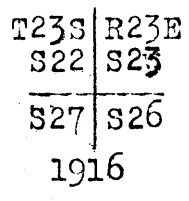
Chains

14.60 Ravine, 20 lks.wide, course S.30° W. Ascend 370 ft. on SE.slope.
 30.00 Spur, slopes S. 30°W. Ascend 105 ft. on SW.slope.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



41.80 Raise a mound of stone 2 ft.base, 1½ ft. high, W.of cor. Ridge, brs.N.50°W. and S.30°E. Descend 463 ft.on NE.slope.

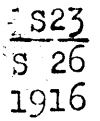
71.30 Draw, 200 lks.wide, course W. Ascend 10 ft.on S. slope.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs.22,23, 26 and 27, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1½ ft. high, W.of cor. Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, chaparral, soto, mescal, ocotillo, buck brush and mountain mahogany.
 Good grass.

40.00 S.89°58'E., on a random line, bet. secs.23 and 26.
 80.12 Set temp. $\frac{1}{4}$ sec.cor.
 Intersect the cor.of secs.23, 24, 25 and 26.
 Thence,
 N.89° 58' W., on a true line, bet. secs.23 and 26.
 Over mountainous land, thru. scattering undergrowth. Desc. 115 ft. on NW. slope.

10.20 Wash, 100 lks. wide, course S. 10°W. Ascend 33 ft. on SE.slope.
 11.72 Road brs.N, and S.
 15.12 Spur, slopes S 20°W. Descend 42 ft. on W.slope.
 19.40 Ravine, 10 lks.wide, course S. Ascend 25 ft.
 22.40 Spur, slopes S. Descend 23 ft. on W.slope.
 23.72 Ravine, 15 lks.wide, course S.40°E. Ascend 197 ft. on NE.slope.
 36.40 Spur, slopes SE. Descend 285 ft. over SW.slope.
 40.06 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



60.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, N.of cor. Foot of steep descent; leave mountainous land, brs.N.and S. Enter rolling land. Descend gradual SW.slope.
 80.12 The cor.of secs.22,23, 26 and 27.
 Land, rolling and mountainous.
 Soil, rocky, 2nd, 3rd and 4th rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, buck brush and mountain mahogany, 3 to 5 ft.high.
 Good grass.

18 Subdivision of Township 23 South, Range 23 East.

Chains.

N.0° 01' W., bet. secs. 22 and 23.
 Over rolling land, thru. scattering undergrowth. Ascend 40 ft. on gradual SW. slope.
 2.30 Road, brs. N.60°E. and S.60°E.
 2.60 Low spur, slopes W. Descend 39 ft. on NW. slope.
 6.95 Wash, 30 lks. wide, course S.60° W. Leave rolling and enter mountainous land. Ascend 140 ft. on SE. slope.
 18.00 Spur, slopes SE. Descend 32 ft. on NE. slope.
 31.40 Ravine, 10 lks. wide, course S.80°E.
 From this point, the mouth of Abrijo Canyon brs. E. about 40 chs. Leave mountainous, and enter rolling land. Ascend gradual SE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

S22 | S23

1916

48.45 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Wire fence, brs. E. and W., about 30 lks. W. of SE. cor.
 56.00 An earth reservoir on line in draw, course E. Leave rolling, and enter mountainous land. Ascend 386 ft. on S. slope.
 59.00 Lewis Martin's house W. about 8.00 chs. dist.
 77.00 Spur, slopes S.60°E. Descend 15 ft. on NE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,

T23S	R23E
S15	S14
S22	S23

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, rolling and mountainous.
 Soil, gravelly and rocky, 3rd and 4th rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, chaparral, soto, mescal and ocotillo, 3 to 5 ft. high.
 Good grass.

- S 89°58'E., on a random line, bet. secs. 14 and 23.
 40.00 Set temp. 1/4 sec. cor.
 80.08 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 13, 14, 23 and 24.
 Thence, S. 89°58' W., on a true line, bet. secs. 14 and 23.
 Over mountainous land, thru. scattering undergrowth,
 2.00 Spur, slopes SW. Descend 102 ft. on NW. slope.
 12.25 Ravine, 20 lks. wide, course S.10° W. Ascend 108 ft. on SE. slope.
 17.00 Spur, slopes S. 10°E. Descend 137 ft. on SW. slope.
 23.60 Ravine, 30 lks. wide, course S.20°E. Ascend 96 ft. on NE. slope.
 35.00 Spur, slopes S.40°W. Descend 263 ft. on NW. slope.
 40.04 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone, for 1/4 sec. cor. marked on brass cap,

S 14

S 23

1916

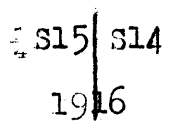
65.20 Raise a mound of stone, 2 ft. high, 1 1/2 ft. high, N. of cor.
 Ravine, 20 lks. wide, in bottom of canyon, course S.20°E.
 Ascend 193 ft. on NE. slope, to
 74.25 Base of granite cliff, 50 ft. high, brs. N.20°W. and S.10°E.
 Extends N.1.00 ch., and S. 2.00 chs. dist.

Subdivision of Township 23 South, Range 23 East. 19

Chains.

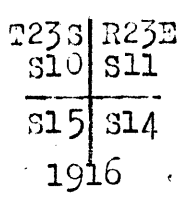
80.08 From top of cliff, ascend 116 ft. on NE. slope to the cor. of secs. 14, 15, 22 and 23.
 Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, chaparral, soto, mescal and ocotillo.
 Good grass.

 N. 0° 01' W., bet. secs. 14 and 15.
 Over mountainous land, thru scattering undergrowth. Descend 72 ft. on NE. slope, to
 30.00 Saddle in ridge, brs. NE. and SW.; enter scattering timber, brs. E. and W. Descend 132 ft. on NE. slope.
 37.00 Ravine, 15 lks. wide, course N. 30° W. Ascend 42 ft. on SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 Tom Lester's house brs. N. 29° 15' W.
 An oak, 8 ins. in diam., brs. S. 86° W., 138 lks. dist., marked $\frac{1}{4}$ S 15 B T.

48.80 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Spur, slopes N. 60° W. Descend 102 ft. on NE. slope.
 54.60 Ravine, 15 lks. wide, course W. Ascend 15 ft. on S. slope.
 61.70 Spur, slopes W. Descend 10 ft. on N. slope.
 67.00 Wash, 40 lks. wide, course S. 70° W. Ascend 63 ft. on SE. slope.
 73.00 Spur, slopes N. 40° W. Descend 97 ft. on NE. slope.
 79.00 Wash, 15 lks. wide, in Bolsa Canyon. course N. 60° W. Ascend 24 ft. on SW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap,



from which,
 An oak, 8 ins. in diam., brs. S. 41° E., 185 lks. dist., marked T23S R23E S14 B T.
 An oak, 8 ins. in diam., brs. S. 55° W., 49 lks. dist., marked T 23 S R 23 E S 15 B T.
 An oak, 6 ins. in diam., brs. N. 23° W., 50 lks. dist., marked T 23 S R 23 E S 10 B T.

No other trees within limits.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak.
 Undergrowth, scattering scrub oak, soto, greasewood, mescal and ocotillo.
 Good grass.

 N. 39° 53' E., on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence,
 S. 39° 54' W., on a true line, bet. secs. 11 and 14.
 Over mountainous land, thru scattering timber and undergrowth. Descend along N. slope of spur.

20. Subdivision of Township 23 South, Range 23 East

Chains.

8.00 Spur, slopes N. 60°W. Descend 1200 feet, over SW.slope.
 35.00 Wash, 30 lks.wide, course S.60°W. in Bolsa Canyon. Ascend
 297 ft. on SE.slope.
 40.06 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 11
 S 14
 1916

43.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, N.of cor.
 80.12 Spur, slopes S. Descend 300 ft. on SW.slope.
 The cor.of secs.10,11, 14 and 15.
 Land, mountainous.
 Soil, **rocky**, 3rd and 4th rate.
 Timber, scattering oak and juniper.
 Undergrwth, scattering scrub oak, juniper, soto, nescal
 and ocotillo.
 Good grass.

N.0° 01' W., bet. secs. 10 and 11.
 Over mountainous land, thru. scattering timber and under-
 growth. Ascend 23 ft. on SW.slope.

4.00 Spur, slopes N.60°W. Descend 12 ft. on NW.slope.
 7.60 Ravine, 10 lks.wide, course N.60°W. Ascend 12 ft. on SW.
 slope.
 16.00 Spur, slopes SW. Descend 14 ft. on NW.slope.
 21.95 Ravine, 40 lks.wide, course S.50°W. Ascend 10 ft. on SW.
 slope.
 25.00 Spur, slopes S.40°W. Descend 10 ft. on NW.slope.
 37.10 Road, brs.N.30°E. and S.30°W.
 39.50 Wash, 30 lks.wide, course S.40° W. in Moore Canyon. Ascend
 176 ft. on SE.slope.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 10 | S 11
 1916

from which,

An oak, 16 ins. in diam., brs.N.32½°E., 21 lks.
 dist., marked $\frac{1}{4}$ S 11 B.T.

An oak, 6 ins. in diam., brs.N.9½°W., 88 lks.
 dist., marked $\frac{1}{4}$ S 10 B.T.

56.00 Spar, slopes E: Descend 65 ft. on NE.slope.
 65.80 Ravine, 8 lks.wide, course S.50° E. Ascend 155 ft.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for cor.of secs: 2,3, 10 and 11, marked on
 brass cap,

T23S | R23E
 S 3 | S 2
 S 10 | S 11
 1916

And raise a mound of stone, 2 ft. base, 1½ ft. high, W.of
 cor.
 Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 Timber, scattering oak.
 Undergrowth, scrub oak, mesquite, greasewood, mountain, ma-
 hogany, soto, nescal and ocotillo.
 Good grass.

Subdivision of Township 23 South, Range 23 East. 21

Chains.

40.00 N.89° 54' E., on a random line, bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec.cor.
 80.14 Intersect N. and S. line, 10 lks.S. of the cor.of secs.1,
 2, 11 and 12.
 Thence,
 S.89° 50' W. on a true line, bet. secs.2 and 11.
 Over mountainous land, thru scattering timber and under-
 growth. Descend SW.slope.
 3.20 Ravine, 10 lks.wide, course N.60°W. Ascend 125 ft. on NE.
 slope.
 8.15 Spur, slopes N.60°W. Descend 325 ft. on SW. slope.
 16.20 Ravine, 20 lks.wide, course S. 49°W. Ascend 275 ft.
 26.00 Spur, slopes SW. Descend 450 ft. on NW.slope.
 38.15 Wash, 20 lks.wide, course S.30°W. in Moore Canyon. Ascend
 86 ft. on SE.slope.
 40.07 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 2
 S 11
 1916

49.00 Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.of cor.
 Spur, slopes S. 30°W. Descend 189 ft. on SW.slope.
 56.49 Ravine, 20 lks.wide, course S.20°W. in canyon. Ascend 188
 ft. on SE.slope.
 63.00 Spur, slopes S. Descend 299 ft. on SW.slope.
 78.00 Ravine, 10 lks.wide, course S.20° E. Ascend 50 ft. on NE.
 slope, to
 80.14 The cor, of secs. 2,3,10 and 11.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak.
 Undergrowth, scattering scrub oak, juniper, chaparal, moun-
 tain mahogany, soto, mescal.
 Good grass.

40.00 N.0° 1' W., on a random line, bet. secs. 2 and 3.
 Set temp. $\frac{1}{4}$ sec.cor.
 77.54 Intersect N. bdy. of Tp., 37 lks.W. of the original cor.
 of secs. 2,3, 34 and 35, an iron post 3 ins. in diam.,
 firmly set, marked on brass cap,

T22S
 S34 | S35
 R23E S 3 | S 2
 T23S
 1913

and witnessed by mound of stone W.of cor. No bearing trees.

Thence,
 S.0° 15' W., on a true line, bet. secs. 2 and 3.
 Over mountainous land, thru scattering timber and under-
 growth. Descend 12 ft. on SW.slope.
 2.00 Ravine, 20 lks.wide, course N.20°W. Ascend NE.slope, 561
 ft.
 19.00 Escabrosa ridge of the Mule Mountains brs.S.70°E. and W.
 Descend 121 ft. over SW.slope, to
 30.15 Top of perpendicular cliffs, 365 ft. high, brs.N.50°W.and
 S.60°E.
 Descend.
 32.00 Foot of cliff. Descend SW.slope.
 36.00 Ravine, 15 lks.wide, course S.60°W. Ascend 20ft. over
 cliffs and ledges.
 37.54 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

22. Subdivision of Township 23 South, Range 23 East.

Chains

1/4 S3 | S2

1916

- 38.00 Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.
 - 38.80 Rocky spur, slopes S. 60° W. Descend 556 ft. over S. slope.
 - 51.85 Granite cliff, 40 ft. high, brs. E. and W.
 - 61.00 Ravine, 30 lks. wide, course S. 50° W. Ascend 35 ft. on NW slope.
 - 77.54 Spur, slopes SW. Descend 213 ft. over SE slope.
- The cor. of secs. 2, 3, 10 and 11.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak and juniper.
 Undergrowth, scattering scrub oak, juniper, greasewood, mountain mahogany, mesal and soto.
 Good grass.

 From the original cor., of secs. 3, 4, 33 and 34 on S. bdy. of Tp. hereinbefore described,

- N. 0° 2' W., bet. secs. 33 and 34.
- 1.20 Over nearly level land, thru scattering undergrowth.
- 40.00 State Highway from Bisbee to Tucson, Arizona, brs. N. 72° W. and S. 72° E.
- Set an iron post, 2 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S33 | S34

1916

- 80.00 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
- Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap,

T23S | R23E
 S28 | S27

S33 | S34

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, level and rolling valley, slopes to the W.
 Soil, dry, gravelly clay loam, about 10 ins. deep, 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, chaparral and buck brush.
 Good grass.

- 40.00 S. 89° 54' E., on a random line, bet. secs. 27 and 34.
- 79.88 Set temp. 1/4 sec. cor.
- Intersect N. and S. line, 10 lks. S. of the cor. of secs. 26, 27, 34 and 35.
- Thence,
- N. 89° 58' W. on a true line, bet. secs. 27 and 34.
- Over mountainous land, thru scattering undergrowth. Descend 133 ft. on W. slope.
- 8.50 Foot of steep descent; leave mountainous, and enter rolling land. Descend gradual W. slope.
- 12.18 Ravine, 20 lks. wide, course S. 30° W. Ascend.
- 13.45 Spur, slopes S. 30° W. Descend 8 ft.
- 20.90 Ravine, 15 lks. wide, course S. Ascend 15 ft. on SE slope.
- 35.00 Spur, slopes SW. Descend gentle SW slope.
- 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

Subdivision of Township 23 South, Range 23 East. 23

Chains.

S 27
S 34
1916

63.98 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
79.88 Abandoned railroad, grade or bed, brs. N. 60° W. and S. 60° E.
The cor. of secs. 27, 28, 33 and 34.
Land, rolling, hilly and mountainous.
Soil, gravelly and rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub oak, greasewood, chaparal and
buck brush.
Good grass.

11.50 N. 0° 2' W., bet. secs. 27 and 28.
27.00 Over rolling land, thru. scattering undergrowth.
Abandoned railroad, grade or bed, brs. N. 60° W. and S. 60° E.
38.00 Leave rolling, and enter mountainous land.
40.00 Ascend 192 ft. on SW. slope.
Spur, slopes W. Descend 98 ft. on N. slope.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for sec. cor., marked on brass cap,

S 28 | S 27
1916

44.65 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
55.00 Ravine, 15 lks. wide, course NW. Ascend 175 ft. on SW.
74.00 slope.
Spur, slopes W. Descend 177 ft. on N. slope.
79.10 Ravine, 40 lks. wide, course S. 70° W. Leave mountainous,
80.00 and enter rolling land. Ascend 10 ft.
Road brs. N. 50° E. and S. 50° W.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 21, 22, 27 and 28, marked on
brass cap,

T 23 S | R 23 E
S 21 | S 22
S 28 | S 27
1916

Dig pits, 18x18x12 ins., in each sec. 5 1/2 ft. dist., and
scatter the earth.
Land, rolling and mountainous.
Soil, gravelly and rocky, 2nd, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, chaparal, ocotillo,
soto and mescal, 3 to 6 ft. high.
Good grass.

40.00 S. 89° 58' E., on a random line, bet. secs. 22 and 27.
79.92 Set temp. sec. cor.
Intersect N. and S. line, 5 lks. N. of the cor. of secs. 22,
23, 26 and 27.
Thence,
N. 89° 56' W., on a true line, bet. secs. 22 and 27.
2.92 Over level and slightly rolling land, thru. scattering un-
39.96 dergrowth. Descend gradual W. slope.
Road brs. N. 60° E. and S. 60° W.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for sec. cor., marked on brass cap,

S 21

24 Subdivision of Township 23 South, Range 23 East.

Chains.

4S 22
S 27
1916

49.12 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Road brs. N. 70° W. and S. 70° E.
78.82 Road brs. N. 40° E. and S. 40° W.
79.92 The cor. of secs. 21, 22, 27 and 28.
Land, level and rolling valley.
Soil, sandy gravelly and rocky loam, about 12 ins. deep,
2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, chap-
aral, joshua and soto.
Good grass.

N. 0° 2' W., bet. secs. 21 and 22.
Over level land, thru scattering undergrowth.
19.58 Wire fence, brs. E. and W.
32.60 Wash, 50 lks. wide, banks 4 ft. high, course N. 60° W.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground for sec. cor., marked on brass cap,

S21 | S22
1916

42.50 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Leave level and enter mountainous land. Ascend 210 ft.
on S. slope.
58.00 Spur, slopes W. Descend 159 ft. on N. slope.
73.00 Foot of descent; leave mountainous, and enter level land.
73.25 Road from Bisbee to Engle's ranch, brs. E. and W.
74.55 Wash, 15 lks. wide, 4 ft. deep, course N. 70° W.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor. of secs. 15, 16, 21 and 22, marked on
brass cap,

T23S | R23E
S16 | S15
S21 | S22
1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, level and mountainous.
Soil, sandy, gravelly and rocky, 2nd, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, chap-
aral, soto and ocotillo.
Good grass.

S. 89° 56' E., on a random line, bet. secs. 15 and 22.
40.00 Set temp. sec. cor.
79.94 Intersect N. and S. line, 8 lks. S. of the cor. of secs.
14, 15, 22 and 23.
Thence,
N. 89° 59' W., on a true line, bet. secs. 15 and 22.
Over mountainous land, thru scattering undergrowth. Ascend
43 ft. on E. slope.
2.75 Ridge, brs. N. and S. Descend 451 ft. on W. slope.
17.35 Ravine, 20 lks. wide, course N. 60° W. Ascend 50 ft. on NE.
slope.
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for sec. cor., marked on brass cap,

Subdivision of Township 23 South, Range 23 East. 25

Chains.

S 15
S 22
1916

44.40 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
56.00 Spur, slopes N.60°W. Descend 228 ft. on NW. slope.
Foot of steep descent; leave mountainous land, brs. NE.
and SW.; enter rolling land.
60.75 Enter pasture, brs. N. and S.
65.15 Leave pasture, brs. N. and S.
65.85 L.A. Engle's house, brs. N. 1.00 chain dist.
67.00 L.A. Engle's barn, brs. S. about 3.00 chs. dist.
79.94 The cor. of secs. 15, 16, 21 and 22.
Land, rolling and mountainous.
Soil, gravelly and rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, oak,
chaparral, soto, mesquite and ocotillo.
Good grass.

N. 0°02'W., bet. secs. 15 and 16.
Over rolling land, thru scattering undergrowth.
3.90 Wire fence brs. E. and W.
22.00 Ravine, 10 lks. wide, 4 ft. deep, course S. 60°W.
29.60 Road brs. E. and W.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap,

S 16 | S 15
1916

51.80 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Wash, 60 lks. wide, banks, 15 ft. high, course S. 70°W.
Ascend gradually, over S. slope.
79.60 Gulch, 5 lks. wide, course S. 30°W.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 9, 10, 15 and 16, marked on
brass cap,

T23S | R23E
S 9 | S 10
S 16 | S 15
1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, rolling valley, drains to the W.
Soil, dry, sandy loam, about 10 ins. deep, 2nd and 3rd rate.
No timber,
Undergrowth, scattering scrub mesquite, greasewood, chap-
arral, soto, joshua and ocotillo.
Good grass.

S. 89°59'E., on a random line, bet. secs. 10 and 15.
40.00 Set temp. ¼ sec. cor.
79.90 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 10,
11, 14 and 15.
Thence,
N. 89°58'W., on a true line, bet. secs. 10 and 15.
Over mountainous land, thru scattering undergrowth.
1.50 Ravine, 20 lks. wide, course N. 20°W. Ascend 37 ft. on NE.
slope.
4.60 Spur, slopes N. 30°W. Descend 107 ft. on W. slope.
23.70 Wash, 50 lks. wide, course S. 60°W.; leave mountainous land,
brs. N. and S.; enter hilly land.
27.40 Road brs. N. 40°W. and S. 40°E.
39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

26 Subdivision of Township 23 South, Range 23 East.

Chains.

ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 10
S 15
1916

from which,

An oak, 6 ins. in diam., brs.N.56 $\frac{1}{2}$ °W., 241 lks. dist., marked $\frac{1}{4}$ S 10 BT.

An oak, 6 ins. in diam., brs.S.71 $\frac{1}{2}$ °W., 93 lks. dist., marked $\frac{1}{4}$ S 15 B T.

Thomas Lester's house, brs.N.48 $\frac{1}{2}$ °E.

- 47.00 Road, brs.N.30°E. and S.30°W.
- 47.90 Enter wash, course S.
- 51.50 Leave wash. Ascend 46 ft., on SE.slope.
- 64.90 Spur,slopes S. Descend 52 ft.on W.slope.
- 69.60 Ravine, 20 lks.wide, course S. Ascend 30 ft. on SE.slope.
- 74.90 Spur,slopes S.20°W. Descend 23 ft.on SW.slope.
- 79.40 Ravine, 6 lks.wide, course S.30°W. Ascend 5 ft. on SE. slope to
- 79.90 The cor.of secs.9,10,15 and 16.
Land,rolling,hilly and mountainous.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, scattering oak.
Undergrowth, scattering scrub oak, mesquite, greasewood, chaparal, soto,, mescal and ocotillo.
Good grass.

N.0° 2' W., bet. secs.9 and 10.

Over mountainous land, thru.scattering undergrowth. Ascend on steep broken S.slope.

30.00 Limestone ledge, 50 ft. high, brs.N.40°E. and S*40°W.

35.00 Mountain 770 ft. above the sec.cor., brs.N.80°E.and S.80°W. Descend 163 ft. on broken NE.slope.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the.ground, for $\frac{1}{4}$ sec.cor. marked on brass cap,

S 9 | S 10
1916

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor. Descend 650 ft. on broken NE.slope.

60.50 Ravine, 25 lks.wide, course N.70° W.; leave mountainous land, brs.E. and W.; enter broken and rolling valley land. Ascend on S.slope.

63.00 Spur,slopes W.; descend.

65.90 Ravine, 20 lks.wide, course S.60° W. Ascend 10 ft.

69.00 Spur,slopes S.60°W. Descend.

74.00 Ravine, 15 lks.wide, banks 6 ft. high, course W. Ascend.

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the.ground, for cor.of secs.3,4,9 and 10, marked on brass cap,

T23S | R23E
S 4 | S 3
S 9 | S 10
1916

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,W.of cor. Land,mountainous and rolling.
Soil, rocky,4th rate.
No timber.
Undergrowth, scattering.

Chains.

40.00 S. 89° 58' E., on a random line, bet. secs. 3 and 10.
 Set temp. $\frac{1}{2}$ sec. cor.
 79.86 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 2, 3, 10 and 11.
 Thence,
 N. 89° 59' W., on a true line, bet. secs. 3 and 10.
 Over mountainous land, thru. scattering undergrowth. Asc. 34 ft. on NE. slope.
 1.80 Spur, slopes S. 20° E. Descend 69 ft. on SW. slope.
 16.20 Head of ravine, 5 lks. wide, course S. 40° E. Ascend 12 ft. on NE. slope.
 18.00 Ridge, brs. N. 30° E. and S. Descend 243 ft. on W. slope.
 35.80 Ravine, 20 lks. wide, course S. 60° W. Ascend 12 ft. on SE. slope.
 39.93 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,

S 3
 ———
 S 10
 1916

43.00 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Spur, slopes S. 20° W. Descend 126 ft. on NW. slope.
 59.00 Ravine, 15 lks. wide, course, S. 60° W. Ascend 29 ft. on SE. slope.
 64.00 Spur, slopes S. 50° W. Descend 52 ft. on NW. slope.
 72.45 Ravine, 12 lks. wide, course S. 40° W. Ascend 19 ft. on SE. slope.
 76.00 Spur, SW. Descend 20 ft. on SW. slope, to
 79.86 The cor. of secs. 3, 4, 9 and 10.
 Land, mountainous.
 Soil, rocky, 3rd and 4th.
 No timber.
 Undergrowth, scattering scrub oak, greasewood, soto, mes- cal, ocotillo, and mountain mahogany.
 Good grass.

40.00 N. 0° 15' E., on a random line, bet. secs. 3 and 4.
 Set temp. $\frac{1}{2}$ sec. cor.
 77.34 Intersect N. bdy. of Tp., 5 lks. E. of the original cor. of secs. 3, 4, 33 and 34, an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,

T22S
 S33 | S34
 R23E |
 S 4 | S 3
 T23S
 1913

and witnessed by mound of stone, W. of cor. No bearing trees.

Thence,
 S. 0° 13' W., on a true line, bet. secs. 3 and 4.
 Over mountainous land, thru. scattering undergrowth. Desc. 49 ft. on SW. slope.
 2.30 Road brs. N. 60° E. and S. 60° W.
 3.10 Ravine, 30 lks. wide, course S. 60° W. Descend 16 ft. on NW. slope.
 6.64 Spur, slopes S. 60° W. Descend 25 ft. on S. slope.
 12.15 Ravine, 15 lks. wide, course N. 60° W. Ascend 288 ft. on NW. slope.
 28.85 Spur, slopes W. Descend 120 ft. on S. slope.
 35.67 Ravine, 15 lks. wide, course S. 70° W. Asc. 15 ft. on NW. slope.
 36.85 Spur, slopes W. Descend 118 ft. on SW. slope.
 37.34 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,

28 Subdivision of Township 23 South, Range 23 East.

Chains.

S4 | S3
1916

- 40.64 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Ravine, 6 lks. wide, course N. 40° W. Ascend 133 ft. on N. slope.
- 44.35 Spur, slopes S. 60° W. Descend 407 ft. on SE. slope.
- 54.30 Wire fence brs. N. 50° E. and S. 50° W.
- 64.15 Ravine, 10 lks. wide, course S. 30° W. Ascend 10 ft. on NW. slope.
- 70.00 Spur, slopes SW. Descend 10 ft. on SE. slope.
- 76.55 Ravine, 6 lks. wide, course S. 70° W. Ascend 8 ft. on NW. slope, to
- 77.34 The cor. of secs. 3, 4, 9 and 10.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, scattering greasewood, chaparral, soto, mescal and ocotillo.
Good grass.

From the original cor. of secs. 4, 5, 32 and 33, on s. bdy. of Tp. hereinbefore described.

- 5.97 N. 0° 2' W., bet. secs. 32 and 33.
Over level land, thru scattering undergrowth.
- 21.30 Road, brs. N. 20° E. and S. 20° W.
- 40.00 State Highway from Bisbee to Tucson, Arizona, brs. N. 72° W. and S. 72° E.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

S32 | S33
1916

- 80.00 Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter in the earth.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap.

T23S | R23E
S29 | S28
S32 | S33
1916

- 40.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, level.
Soil, gravelly loam, about 14 ins. deep, 2nd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti.
Good grass.

- 40.00 S. 89° 54' E., on a random line, bet. secs. 28 and 33.
Set temp. ¼ sec. cor.
- 79.98 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 27, 28, 33 and 34.

- Thence, N. 89° 56' W., on a true line, bet. secs. 28 and 33.
Over level land, thru scattering undergrowth.
- 39.08 Ravine, 40 lks. wide, course S. 20° W.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

Subdivision of Township 23 South, Range 23 East, 29

Chains

1/2 S 28
S 33
1916

47.28 raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
79.98 Road, brs. N. 20° W. and S. 20° E.
The cor. of secs. 28, 29, 32 and 33.
Land, level.
Soil, gravelly and rocky clay loam, about 12 ins. deep,
2nd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, soto,
and chaparral, 3 to 6 ft. high.
Good grass.

35.60 N. 0° 2' W. bet. secs. 28 and 29.
40.00 Over level land, thru scattering undergrowth.
Wash, 100 lks. wide, 4 ft. deep, course S. 60° W.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap,

1/2 S 29 | S 28
1916

55.75 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
63.10 Road, brs. N. 70° W. and S. 70° E.
80.00 Road, brs. N. 20° W. and S. 20° E.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 20, 21, 28 and 29, marked
on brass cap,

T23S | R23E
S20 | S21
S29 | S28
1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, level valley, slopes to the SW.
Soil, dry, sandy and gravelly loam, about 12 to 15 ins. deep,
2nd rate.
No timber.
Undergrowth, scattering scrub mesquite, ^{greasewood} and cacti, 3 to 5
ft. high.
Good grass.

40.00 S. 89° 56' E., on a random line, bet. secs. 21 and 28.
80.04 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 6 lks. N. of the cor. of secs. 21,
22, 27 and 28.
Thence,
N. 89° 54' W., on a true, bet. secs. 21 and 28.
36.84 Over level land, thru scattering undergrowth.
40.02 Road, brs. N. 20° E. and S. 20° W.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap,

1/2 S 21
S 28
1916

67.54 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
68.84 Abandoned railroad, grade or bed, brs. N. 31 1/2° W. and S. 31 1/2° E.
80.04 Road, brs. N. 31 1/2° W. and S. 31 1/2° E.
The cor. of secs. 20, 21, 28 and 29.
Land, level valley, slopes to the SW.
Soil, gravelly and rocky loam, 12 to 15 ins. deep, 2nd rate.

30. Subdivision of Township 23 South, Range 23 East.

Chains.

No timber.
Undergrowth, scattering scrub mesquite, greasewood, soto,
and cacti, 4 ft. high.
Good grass.

- 19.10 N.0°02' W., bet. secs.20 and 21.
Over level land, thru. scattering undergrowth.
- 21.20 Road brs.N.20°W. and S.20°E.
- 23.05 Abandoned railroad, grade or bed, brs.N. 31½°W., and S.31½°
E.
- 26.52 Leave undergrowth, brs.N.30°W. and S.30°E.; wire fence brs.
N.30°W. and S.30°E.; enter cultivated land, brs.NW.
4.00 chs. and SE.3.00 chs.dist.
- 31.00 Wire fence brs.N.65°E. and S.65° W.; leave cultivated
land, brs.N.65°E. about 40.00 chs. and S.65°W. about
2.00 chs.dist.; enter undergrowth.
- 40.00 Wash, 40 lks.wide, banks, 8 ft. high, course S.70°W.
Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in
the ground, for ¼ sec.cor., marked on brass cap,

S20 | S21
1916

- 44.40 Dig pits, 18x18x12 ins., N.and S.of post, 3 ft. dist.,and
scattering the earth.
- 80.00 Road brs.N.60°W and S.60°E.
Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for cor.of secs. 16,17, 20 and 21, marked
on brass cap,

T23S | R23E
S17 | S16

S20 | S21
1916

Raise a mound of stone, 2 ft.base, 1½ ft. high, W.of cor.
Land, level valley, slopes to the SW.
Soil, dry sandy and rocky clay loam, about 12 ins.deep,
2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, soto,
mescal and chaparal, 3 to 6 ft.high.
Good grass.

- 40.00 S.89°54'E., on a random line, bet. secs.16 and 21.
Set temp. ¼ sec.cor.
- 80.12 Intersect N. and S; line, 5 lks.N.of the cor. of secs.15,
16, 21 and 22.
- Thence,
N.89°52'W., on a true line, bet. secs.16 and 21.
Over hilly land, thru,scattering undergrowth. Ascend 8
ft. onSE.slope.
- 5.00 Low hill, brs.N.30°E. and S.30°W. Descend 8ft, on W.slope.
- 15.62 Wash, 10 lks.wide, course S.50°W. Leave hilly and enter
level land.
- 39.82 Wire fence, brs.N.20°E. and S.20°W.
- 40.06 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in
the ground, for ¼ sec.cor., marked on brass cap,

S 16
S 21
1916

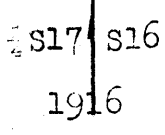
- 61.62 Raise a mound of stone, 2 ft. base, 1½ ft. high, N.of cor.
- 80.12 Wash, 40 lks.wide, 4 ft. deep, course S.40°W.
The cor.of secs.16,17,20 and 21.

Subdivision of Township 23 South, Range 23 East. 31.

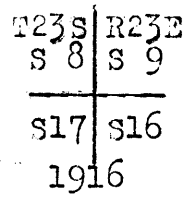
Chains.

Land, hilly and level valley, slopes to the SW.
Soil, gravelly and rocky clay loam, about 12 ins. deep,
2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and
cacti, 3 ft. high.
Good grass.

11.40 N. 0° 02' W., bet. secs. 16 and 17.
12.40 Over rolling land, thru. undergrowth.
40.00 Wash, 30 lks. wide, 4 ft. deep, course S. 60° W.
Road, brs. N. 40° E. and S. 40° W.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for sec. cor., marked on brass cap,

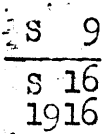


51.00 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
51.00 Road brs. N. 40° W. and S. 40° E.
67.10 Wash, 100 lks. wide, 4 ft. deep, course S. 60° W.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 8, 9, 16 and 17, marked
on brass cap,



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling valley, slopes to the SW.
Soil, gravelly clay loam, about 10 ins. deep, 2nd and 3rd
rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and
cacti, 3 to 5 ft. high.
Good grass.

40.00 S. 89° 52' E., on a random line, bet. secs. 9 and 16.
80.20 Set temp. sec. cor.
Intersect N. and S. line, 3 lks. S. of the cor. of secs. 9,
10, 15 and 16.
Thence,
N. 89° 53' W., on a true line, bet. secs. 9 and 16.
Over mountainous land, thru. scattering undergrowth. Ascend
8 ft. on SE. slope.
5.20 Spur, slopes S. 20° E. Descend 15 ft. on SW. slope.
23.40 Ravine, 20 lks. wide, course S. 10° W. Ascend 65 ft. on NE.
slope.
32.60 Spur, slopes S. Descend 80 ft. on W. slope.
39.40 Ravine, 20 lks. wide, course S. 40° W. Ascend 60 ft. on SE.
slope.
40.10 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for sec. cor., marked on brass cap,



55.80 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
80.20 Spur, slopes SW. Descend 143 ft. on SW. slope, to
The cor. of secs. 8, 9, 16 and 17.

32. Subdivision of Township 23 South, Range 23 East.

Chains.

Land, mountainous.
Soil, rocky, 3rd and 4th rate,
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti, 4 to 6 ft. high.
Good grass.

N.0° 2' W., bet. secs. 8 and 9.
Over rolling land, thru scattering undergrowth. Along W. slope.

21.20 Wash, 10 lks. wide, 4 ft. deep, course W. Ascend about 10 ft. on S. slope.

33.00 Point of spur, slopes S.70°W. Descend 25 ft. on NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

188 | S9
1916

45.80 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Wash, 40 lks. wide, course S.70° W. Leave rolling, and enter mountainous land. Ascend 196 ft. on SW. slope.

70.00 Limestone spur, slopes S.50°W. Descend 123 ft. on NW. slope to

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

T23S | R23E
S 5 | S 4
S 8 | S 9
1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling and mountainous.
Soil, rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite and cacti, 3 to 6 ft. high.
Good grass.

40.00 S.89°53'E., on a random line, bet. secs. 4 and 9.
Set temp. 1/4 sec. cor.

80.14 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence,

N.89° 52' W. on a true line, bet. secs. 4 and 9.

Over mountainous land, thru scattering undergrowth. Descend 25 ft. on NW. slope, to

10.85 Ravine, 10 lks. wide, course S.40°W. Ascend 20 ft.

13.15 Spur, slopes SW. Descend 24 ft.

15.25 Wash, 15 lks. wide, course S.40°W. Ascend 65 ft. on SE. slope.

21.00 Wire fence brs. N.40°E. and S.40°W.

21.75 Spur, slopes S.10°W. Descend 63 ft. on NW. slope.

26.10 Ravine, 15 lks. wide, course S.50°W. Ascend 175 ft. on S. slope.

40.07 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap,

48 | S 4
S 9
1916

62.75 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Spur; slopes S. 60°W. Descend 276 ft. on NW. slope, to
80.14 The cor. of secs. 4, 5, 8 and 9.

Subdivision of Township 23 South, Range 23 East. 33

Chains.

Land, mountainous.
Soil, rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti,
4ft. high.
Good grass.

40.00 N. 0° 13' E. on a random line, bet. secs. 4 and 5.
Set temp. $\frac{1}{4}$ sec. cor.
77.16 Intersect N. bdy. of Tp. 12 lks. W. of the original cor. of
secs. 4, 5, 32 and 33, an iron post 3 ins. in diam., firmly
set, marked on brass cap,

	T22S	
R23E	S32	S33
	S 5	S 4
	T23S	
	1913	

and witnessed by mound of stone, W. of cor. No bearing
trees.

Thence
S. 0° 18' W., on a true line, bet. secs. 4 and 5.
Over mountainous land.
32.16 Descend 537 ft., over limestone cliffs, facing SE.
Wash, 40 lks. wide, course S. 30° W.; leave mountainous land,
bears NE. and SW.; enter rolling land and scattering
undergrowth.
37.16 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

	S5	S4
	1916	

46.86 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
53.86 Road, brs. E. and W.
63.95 Road, brs. N. 30° E. and S. 30° W.
Wash, 20 lks. wide, course S. 60° W.
Leave rolling land, brs. NE. and SW. Enter mountainous
land.
77.16 Ascend 12 ft. on NW. slope, to
The cor. of secs. 4, 5, 8 and 9.
Land, mountainous and rolling.
Soil, gravelly and rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite and cacti, 3 to 8
ft. high.
Good grass.

40.00 From the original cor. of secs. 5, 6, 31 and 32 on S. bdy.
of Tp., hereinbefore described,
N. 0° 3' W., bet. secs. 31 and 32.
Over level land, thru. scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

	S31	S32
	1916	

44.50 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
State Highway from Bisbee to Tucson, Arizona, brs. N. 72° W.
and S. 72° E.
55.50 Wash, 150 lks. wide, 3 ft. deep, course S. 40° W.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 29, 30, 31 and 32, marked
on brass cap,

34. Subdivision of Township 23 South, Range 23 East

Chains

T23S	R23E
S30	S29
S31	S32

1916

Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and scatter the earth.
 Land, level valley, slopes to the SW.
 Soil, dry, sandy clay loam, about 12 ins. deep, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and cacti, 3 to 6 ft. high.
 Good grass.

40.00 S. 39° 55' E., on a random line, bet. secs. 29 and 32.
 80.08 Set temp. sec. cor.
 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.
 Thence,
 40.04 N. 39° 56' W., on a true line, bet. secs. 29 and 32.
 Over level land, thru scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for sec. cor., marked on brass cap,

S 29
S 32

1916

57.78 Dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.
 80.08 Wash, 100 lks. wide, 3 ft. deep, course S. 40° W.
 The cor. of secs. 29, 30, 31 and 32.
 Land, level valley, slopes to the SW.
 Soil, dry, sandy, clay loam, about 12 ins. deep, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and cacti, 3 to 7 ft. high.
 Good grass.

40.00 N. 39° 52' W. on a random line, bet. secs. 30 and 31.
 79.46 Set temp. sec. cor.
 Intersect W. bdy. of Tp., 5 lks. S. of the original cor. of secs. 25, 30, 31 and 36, hereinbefore described.
 Thence,
 39.46 S. 39° 50' E., on a true line, bet. secs. 30 and 31.
 Over level land, thru scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for sec. cor., marked on brass cap,

S 30
S 31

1916

79.46 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.
 The cor. of secs. 29, 30, 31 and 32.
 Land, level valley, slopes to the SW.
 Soil, dry, sandy loam, about 14 ins. deep, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, and cacti, 3 to 8 ft. high.
 Good grass.

Subdivision of Township 23 South, Range 23 East 35

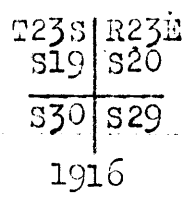
Chains.

40.00 N. 0° 03' W., bet. secs. 29 and 30.
 Over level land, thru. scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. indiam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S30 | S29
 1916

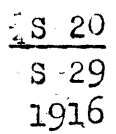
Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and
 scatter the earth.

71.70 Road, brs. N. 70° W. and S. 70° E.
 71.95 Wire fence, brs. N. 70° W. and S. 70° E.
 73.00 An earth reservoir and well, belonging to C. H. Martin, brs.
 E. about 5.00 chs. dist.
 77.65 Wire fence brs. N. 50° W. and S. 50° E.
 78.70 Road to Hereford, Arizona, brs. N. 60° W. and S. 60° E.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the
 ground, for cor. of secs. 19, 20, 29 and 30, marked on
 brass cap,



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, level valley, slopes to the SW.
 Soil, dry, sandy loam, about 12 ins. deep, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and
 cacti, 3 to 6 ft. high,
 Good grass.

40.00 S. 89° 56' E., on a random line, bet. secs. 20 and 29.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line, 6 lks. N. of the cor. of secs. 20, 21,
 28 and 29.
 Thence,
 N. 89° 54' W., on a true line, bet. secs. 20 and 29.
 Over level land, thru. scattering undergrowth.
 40.06 Set an iron post 3 ft. long, 1 in. indiam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



44.92 Dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and
 scatter the earth.
 80.12 Wire fence brs. N. 50° E. and S. 50° W.
 The cor. of secs. 19, 20, 29 and 30.
 Land, level valley land, slopes to the SW.
 Soil, sandy and rocky clay loam, about 12 ins. deep, 2nd
 rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and
 cacti, 3 to 6 ft. high.
 Good grass.

40.00 N. 89° 50' W., on a random line, bet. secs. 19 and 30.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.36 Intersect W. bdy. of Tp., 5 lks. S. of the reestablished
 cor. of secs. 19 and 30, hereinbefore described.
 Thence,

36 subdivision of Township 23 South, Range 23 East.

Chains.

S.89° 48' E., on a true line, bet. secs.19 and 30.
 Over level land, thru. scattering undergrowth.
 22.55 Wire fence, brs.N. and S.; enter cultivated land, brs.N.
 about 18.00 chs. and S.1.00 chain dist.
 31.05 J. W. Baker's house brs.N. about 10.00 chs.dist.
 39.36 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 19
 S 30
 1916

44.46 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.,
 and scatter the earth.
 Leave cultivated land, brs.N.15.00 chs. and S.50 lks.dist.
 61.00 Wire fence, brs.N. and S. 50 lks.N.of SE.cor.
 79.36 The cor. of secs. 19,20, 29, and 30.
 Land, level valley, slopes to the W.
 Soil; sandy loam, about 14 ins. deep, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and
 cacti, 4 ft. high.
 Good grass.

N, 0° 3' W., bet. secs. 19 and 20.
 Over rolling land, thru. scattering undergrowth.
 3.30 Road from Bisbee, Arizona, to Hereford, Arizona, brs.N.60°
 W. and S.60° E.
 19.40 Road, brs.N. 70°E. and S.70°W.
 20.00 Wash, 100 lks.wide, 4 ft. deep, course S.70° W.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S19 | S20
 1916

56.30 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Ravine, 40 lks.wide, 10 ft. deep, course S.70°W.
 60.75 Road, brs.N.70° E. and S.70°W.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for cor.of secs.17, 18, 19, and 20, marked
 on brass cap,

T23S | R23E
 S18 | S17
 S19 | S20
 1916

Raise a mound of stone, 2- ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling valley, slopes to the W.
 Soil, gravelly and rocky clay loam, about 10 ins. deep, 2nd
 and 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite and cacti, 3 to 6
 ft. high.
 Good grass.

S.89°54'E., on a random line, bet. secs.17 and 20.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect N. and S. line, 6 lks.S. of the cor. of secs.16,17,
 20 and 21.
 Thence,
 N.89°56'W., on a true line, bet. secs.17 and 20.
 Over rolling land, thru. scattering undergrowth.
 8.50 Wash, 30 lks.wide, 6 ft. deep, course S.50°W.

Subdivision of Township 23 South, Range 23 East.

Chains.

34.50
40.00

Abandoned railroad, grade or bed, brs. N. $31\frac{1}{2}^{\circ}$ W. and S. $31\frac{1}{2}^{\circ}$ E.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 17
S 20
1916

80.00

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.
The cor. of secs. 17, 18, 19 and 20.
Land, rolling valley, slopes to the W. and SW.
Soil, dry rocky clay loam, about 12 ins. deep, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti, 3 to 6 ft. high.
Good grass.

40.00
79.40

N. $89^{\circ} 48'$ W., on a random line, bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Tp., 8 lks. N. of the reestablished cor. of secs. 18 and 19, hereinbefore described.

39.40

Thence,
S. $89^{\circ} 51'$ E., on a true line, bet. secs. 18 and 19.
Over rolling land, thru. scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 18
S 19
1916

79.40

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. The cor. of secs. 17, 18, 19 and 20.
Land, rolling valley, slopes to the W. and SW.
Soil, dry, sandy and rocky clay loam, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti, 4 to 6 ft. high.
Good grass.

22.90
40.00

N. $0^{\circ} 3'$ W., bet. secs. 17 and 18.
Over rolling land, thru. scattering undergrowth.
Wash, 15 lks. wide, 8 ft. deep, course S. 70° W.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 18 | S 17
1916

56.00
77.00
80.00

Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.
Wash, 30 lks. wide, 10 ft. deep, course S. 60° W.
Abandoned railroad, grade or bed, brs. N. $31\frac{1}{2}^{\circ}$ W. and S. $31\frac{1}{2}^{\circ}$ E.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

R23S | R23E
S 7 | S 8
 $\frac{1}{4}$ S 18 | S 17
1916

38. Subdivision of Township 23 South, Range 23 East.

Chains.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, rolling valley, slopes to the SW.
Soil, rocky clay loam, about 12 ins. deep, 2nd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, and
cacti, 4 to 8 ft. high.
Good grass.

40.00 S. 89° 56' E., on a random line, bet. secs. 8 and 17.
Set temp. ¼ sec. cor.
79.94 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8,
9, 16 and 17.

Thence,
N. 89° 58' W., on a true line, bet. secs. 8 and 17.
Over rolling land, thru. scattering undergrowth.
25.80 Road, brs. N. 30° E. and S. 30° W.
31.10 Wash, 20 lks. wide, banks 4 ft. high, course S. 70° W.
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap,

1/4 S 8

S 17
1916

79.94 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
The cor. of secs. 7, 8, 17 and 18.
Land, rolling valley, slopes to the SW.
Soil, rocky loam, 3 to 10 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite and cacti, 4 to 8
ft. high.
Good grass.

40.00 N. 89° 51' W., on a random line, bet. secs. 7 and 18.
Set temp. ¼ sec. cor.
79:35 Intersect W. bdy. of Tp., 3 lks. S. of the reestablished cor.
of secs. 7 and 18, hereinbefore described, established
by me, and described in this book.

Thence,
S. 89° 50' E., on a true line, bet. secs. 7 and 18.
Over level valley land, thru. scattering undergrowth.
37.25 Wash, 10 lks. wide, course S. 50° W. Leave level and enter
rolling land.
39.35 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap,

1/4 S 7

S 18
1916

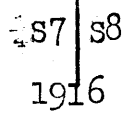
62.35 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Wash, 15 lks. wide, course S. 60° W.
77.65 Abandoned railroad, grade or bed, brs. N. 31½° W. and S. 31½° E.
79.35 The cor. of secs. 7, 8, 17 and 18.
Land, level and rolling, slopes to the SW.
Soil, rocky clay loam, about 10 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and
cacti, 4 to 8 ft. high.
Good grass.

9.50 N. 0° 03' W., bet. secs. 7 and 8.
Over rolling land, thru. scattering undergrowth.
18.05 Wash, 10 lks. wide, course W.
Wash, 20 lks. wide, course W.

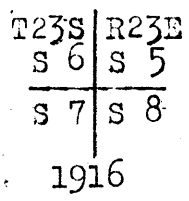
Subdivision of Township 23 South, Range 23 East. 39

Chains.

33.00 Wash, 15 lks.wide, course S.70° W.
40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., marked on brass cap,



71.60 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.of cor.
Wash, 40 lks.wide, course S.60° W.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.5,6, 7 and 8, marked on brass cap,

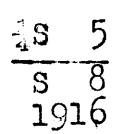


Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.of cor.
Land, rolling, slopes to the SW.
Soil, rocky, clay loam, 4 to 12 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti, 4 to 6 ft. high.
Poor grass.

40.00 S.89°58'E., on a random line, bet. secs. 5 and 8.
Set temp. 1/4 sec.cor.
80.02 Intersect N. and S. line, 10 lks.N.of the cor.of secs.4, 5, 8 and 9.

Thence,
N.89° 54' W., on a true line, bet. secs. 5 and 8.
Over mountainous land, thru.scattering undergrowth.
Descend 100 ft. on NW. slope.
17.65 Wash, 20 lks.wide, course S. 30° W.; leave mountainous land, brs. NE. and SW. Enter rolling land.

19.12 Road, brs.N. 30°E. and S.30°W.
33.80 Wash, 30 lks.wide, course S.30°W.
40.01 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec.cor., marked on brass cap,



69.15 Raise a mound of stone, 2 ft.base, 1 1/2 ft. high, N.of cor.
80.02 Wash, 15 lks.wide, course S.20°W.
The cor.of secs.5,6, 7 and 8.
Land,mountainous and rolling.
Soil,rocky, 2 to 10 ins.deep,3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cacti, 4 to 8 ft.high.
Poor grass.

40.00 N.89°50'W., on a random line, bet. secs.6 and 7.
Set temp. 1/4 sec.cor.
79.24 Intersect W. bdy.of Tp., 5 lks.S. of the reestablished cor. of secs.6 and 7, hereinbefore described.

Thence,
S.89°48'E., on a true line, bet. secs. 6 and 7.
Over rolling land, thru.scattering undergrowth.
30.34 Abandoned railroad,grade or bed, brs.N.31 1/2°W. and S.31 1/2°E.
39.25 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the

40. Subdivision of Township 23 South, Range 23 East.

Chains.

ground for 1/4 sec.cor., marked on brass cap,

S 6

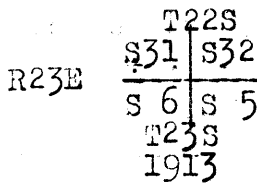
S 7
1916

57.75
79.24

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
Road, brs. N. 10° W. and S. 10° E.
The cor. of secs. 5, 6, 7 and 8.
Land, rolling valley, slopes to the W.
Soil, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and
cacti, 4 to 6 ft. high.
Poor grass.

40.00
76.86

N. 0° 18' E., on a random line, bet. secs. 5 and 6.
Set temp. 1/4 sec. cor.
Intersect N 1/4 bdy. of Tp., 9 lks. E. of the original cor. of
secs. 5, 6, 31 and 32, an iron post, 3 ins. in diam., 12
ins. above ground, firmly set, marked on brass cap,



and witnessed by mound of stone, W. of cor. No bearing
trees.

14.16
18.25
30.36
36.70
36.86

Thence,
S. 0° 14' W., on a true line, bet. secs. 5 and 6.
Over mountainous land, thru scattering undergrowth. Ascend
149 ft. on NW. slope.
Wire fence brs. N. 60° W. and S. 60° E.
Rocky spur, slopes NW: Descend 188 ft. on SW. slope.
Foot of descent. Leave mountainous and enter rolling land.
Wash, 25 lks. wide, course W.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap,

S 6 | S 5

1916

76.86

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
The cor. of secs. 5, 6, 7 and 8.
Land, rolling and mountainous.
Soil, rocky, 3rd and 4th rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and cac-
ti, 4 to 6 ft. high.
Poor grass.

GENERAL DESCRIPTION.

This Tp. is situated in the southeastern part of the State
of Arizona, about three miles north from the Town of
Naco, Arizona, on the U.S.-Mexico International Bdy.
The northeastern quarter of the Tp. is mountainous, being
known as the Escabrosa Ridge of the Mule Mountains,
bearing NW. and SE., and is at the SE. extremity of the
Range. The "Continental Divide" is located in the
E. half of sec. 12, extending NE. and E. from Mt. Ballard.
The southeastern quarter of the township is mountainous,
hilly and broken, covered by what is known as the Naco

Chains.

Hills, which are connected with the mountains in the NE. 1/4 of the Tp. The southwestern quarter, and most of the northwestern quarter of the Tp. is rolling and level, sloping W. and SW., and the soil in these portions is mostly a sandy and gravelly loam, 1st and 2nd rate.

The hilly and mountainous surface has a rocky soil, 3rd and 4th rate.

There is very little timber in the township, and the scattering growth of oak and juniper that exists in some parts is not valuable for any purpose except fence posts and fuel.

A scattering growth of scrub mesquite, greasewood, ocotillo, mescal, buck brush, and other varieties of brush, and a good growth of grass suitable for grazing purposes, is prevalent over most of the township.

There is no natural permanent running water in the township, the water supply of the settlers being obtained from wells.

L. A. Engle with house in sec. 15, has other improvements consisting of barn, fences and cultivated land in secs. 15, 16, 21 and 22.

Lewis Martin has house and fence in sec. 22, and fence in sec. 23.

Tom Lester has house in sec. 10.

J. W. Baker has house, fences and cultivated land in sec. 19, fences in secs. 29 and 30, and wells and reservoir in sec. 29.

Abandoned railroad, grade or bed of D.P. and S.W.R.R. extends thru. the township from NW. cor., southeasterly to the south bdy. of sec. 35; thence northeasterly thru. secs. 35 and 36, leaving the township about one-half mile north from the SE. cor. of the Tp.

The El Paso and Southwestern R.R. track, now operating, paralleled by telegraph line, extends NW. and SE. thru. sec. 31.

The Tucson-Bisbee State Highway passes thru. secs. 31, 32, 33 and 36.

A patented mining claim in secs. 13 and 24 is the only evidence at the present time of the existence of valuable minerals in this township, though the adjoining townships on the east in which the Town of Bisbee is located, is a famous copper mining region, and is almost entirely mineral in character.

" Book"G."

Group 64 - - Arizona.

T.23 S.,R.23 E.

Date Diagram.

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

7-15-16
Resurveyed

Retraced

BOOK 3305

4-680

FIELD ASSISTANTS. to

Sidney E. Blout, U. S. Surveyor,

NAMES.	CAPACITY.
Tl. Y. White,	1st chairman,
G.A. McEnnis,	2nd chairman,
W. E. Ditmars,	2nd chairman and moundman,
Roy White,	flagman,
Tim Murtaugh,	moundman,
George S. Henry,	axman,
Wm. Workman,	flagman and moundman,
A. L. Lance,	Moundman,
Charlie Mathews,	Axman.

44

CERTIFICATE OF UNITED STATES SURVEYOR.

44

I, Sidney E. Blout, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 64, Arizona, bearing date of the 8th day of November, 1915, 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~~ ^{retraced} all those parts or portions of the south bdy., and Resurvey all those parts or portions of the West bdy., and Surveyed all those parts or portions of the Subdivision lines, all of

TOWNSHIP 23 SOUTH, RANGE 23 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 42 hereof} as having been executed by me, and under my direction; and that all the corners of said retracement, resurvey and ~~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 Group 64, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{retracement, resurvey and survey}.

Sidney E. Blout
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona. JUN 10, 1919.

The foregoing field notes of the ~~survey of~~ retracement of the south, bdy., Resurvey of part of the West bdy., and survey of the subdivision lines, all of

TOWNSHIP 23 SOUTH, RANGE 23 EAST.

of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Sidney E. Blout, U. S. Surveyor, under his special instructions dated November 8, 1915, for Group 64, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ ^{retracements, resurveys and surveys} they describe, are hereby approved.

Frank O. Groh
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.~~