

3306

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Book "H"

4-679

BOOK 3306

FIELD NOTES

RE-
OF THE SURVEY OF THE

part of South Bdy. of Frac. T. 22 South, Range 22 East, and

RETRACEMENT of part of

South bdy. of Frac. Township 22 South, Range 22 East, and
~~Boundary of the San Rafael del Valle Private Land Claim, and~~

SURVEY of

Subdivision of Frac. Township 22 South, Range 22 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.

Resurvey
Retracement & Survey commenced August 28, 1916.

Resurvey
Retracement & Survey completed September 5, 1916.

Executed under Assignment
Instructions dated Jan. 14, 1916.

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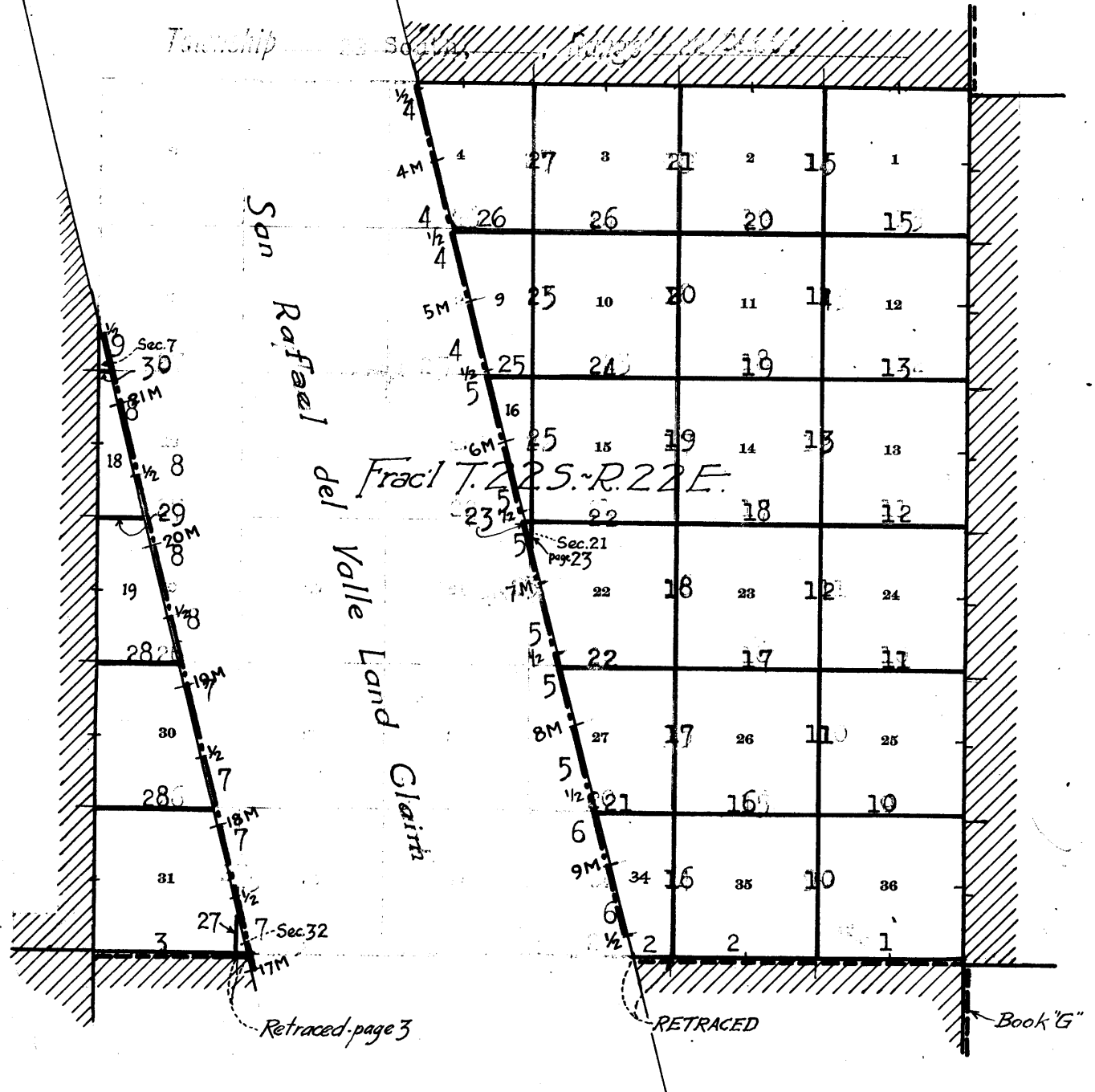
BOOK 3306






3306

Group 64--Arizona.

Book "H"

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.

Resurveys, Retracements and Surveys hereinafter described, executed on dates shown on diagram on page hereof, using a Buff light mountain transit No. 9984, described, with record of test and certificate of approval in Book "F," of this group. A description of later test is given in Book "G."

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 observations on Polaris, proceed as follows:

Aug. 26, 1916. At camp, which is located near the $\frac{1}{4}$ sec. cor. of secs. 2 and 35 on the S. bdy. of T. 22 S., R. 22 E.; latitude, $31^{\circ}27'57''$ N.; longitude, $110^{\circ}05'40''$ W., at 9h. 14m. p.m., l.m.t., observe Polaris at eastern elongation in accordance with the instructions in the Manual, and mark the direction thus determined by a tally pin driven in a stake set firmly in the ground, 5.00 chs. N. of instrument.

August 26, 1916.

August 27, 1916: At 7h. a.m., l.m.t., lay off the azimuth of Polaris, $1^{\circ}20'$ to the W., and mark the meridian thus determined by a small nail driven in a stake set in the ground, 5.00 chs. N. of instrument.

At 8h. l.m. a.m. l.m.t. set off $31^{\circ}28'N.$ on lat. arc; $10^{\circ}04'N.$ on the decl. arc, & 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 on which the solar meridian falls 2 ins. E. of meridian established by Polaris observation.

At 2h. l.m. p.m., l.m.t., set off $31^{\circ}28'N.$ on the lat. arc; $9^{\circ}58'N.$ on the decl. arc, and determine a meridian with the solar, and mark a point thereon by a tack driven in the stake already set 5.00 chs. N. of instrument. This point falls .3 ins. W. of the point determined by the Polaris observation.

The solar apparatus by a.m. and p.m. observations, defines positions for meridians, respectively, about $0'10''E.$ and $0'15''W.$ of the meridian established by the Polaris observation; therefore, conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is $14^{\circ}45'W.$ which gives the magnetic decl. $14^{\circ}45'E.$

A 5.00 chain steel tape and clinometer are the instruments employed to determine all distances hereinafter recorded.

RESURVEY OF PART OF S. BDY. OF E. PORTION OF FRACL. T. 22 S. R. 22 E.

Begin at the cor. of fracl. Ts. 22 and 23 S., R. 22 E. Thence,

- 17.70 S. $89^{\circ}49'W.$, on a true line, bet. secs. 1 and 36 (E. $\frac{1}{2}$).
- 25.10 Over rolling land, thru scattering timber and undergrowth. Abandoned railroad, grade or bed, brs. N. $30^{\circ}W.$ and S. $30^{\circ}E.$
- 40.10 Wash, 10 lks. wide, course N. $50^{\circ}W.$
- Intersect the original $\frac{1}{4}$ sec. cor., a post 4 ins. square, faintly marked and witnessed by partly filled pits E. and W., and remains of mound of earth, N. of cor. No bearing trees.

Reestablish this cor. as follows: Remove the old post, and in same place, set a limestone 12x10x10 ins., 8 ins. in the ground, marked " $\frac{1}{4}$ " on N. face; dig put the original pits to 18x18x12 ins., E. and W. of stone, 3 ft. dist., and destroy the original mound of earth.

Thence, West, on a true line, bet. secs. 1 and 36. (W. $\frac{1}{2}$). Over rolling land, thru scattering timber and undergrowth.

2. Resurvey of part of S. bdy. of E. portion of fracl. T. 22 S. R. 22 E.

Chains.

- 40.12 Intersect the original cor. of secs. 1, 2, 35 and 36, a limestone 14x10x10 ins., loosely set, marked with 1 notch on E., and 5 notches on W. edge, and witnessed by partly destroyed mound of stone, W. of cor. No bearing trees. Reset the same stone firmly in its original place, 9 ins. in the ground, and build up the original mound of stone 2 ft. base, 1½ ft. high.
Land, rolling, slopes to the W.
Soil, dry, sandy and gravelly clay loam, 8 ins. deep, 3rd rate.
Timber, scattering mesquite.
Undergrowth, scattering scrub mesquite, greasewood, buck brush and cacti, 3 to 5 ft. high.
Good grass.

S. 89°52' W., on a true line, bet. secs. 2 and 35 (E. ½).

Over rolling land, thru. scattering undergrowth.

- .54 Wire fence brs. N. and S.
6.31 Wire fence brs. N. 70° E. and S. 70° W.
14.11 Enter level land and cultivated field, brs. N. 60° E. & S. 30° W.
18.21 Robert Coughran's house brs. N. about 5.00 chs. dist.
18.51 Robert Coughran's well and windmill brs. N. 1.00 chain dist.
19.51 A silo brs. N. 30 lks. dist.
24.29 Wire fence brs. N. and S.
27.21 Leave level land and cultivated field, brs. N. 60° E. and S. 60° W.; ascend gradually over SE. slope.
30.41 Wire fence, brs. N. 50° E. and S. 50° W.
33.10 Ridge, brs. N. 70° E. and S. 70° W.; thence along top of ridge.
40.11 Intersect the original sec. cor. of secs. 2 and 35, a redwood post, 4 ins. sq., 14 ins. above ground, firmly set, marked "S35" on N., and "S2" on S. face, and witnessed by almost obliterated pits E. and W., 3 ft. dist., and mound of earth, N. of cor. No bearing trees.
Reestablish this cor. by scattering the remains of original mound of earth, and digging out original pits to 18x18x12 ins.

Thence,

S. 89°52' W., on a true line, bet. secs. 2 and 35 (W. ½).

Over rolling land, thru. scattering undergrowth.

- 40.05 Intersect the original cor. of secs. 2 and 35, and fracl. secs. 3 and 34, a limestone 12x8x6 ins., loosely set, marked with 2 notches on E. and 4 notches on W. edge, and witnessed by faint remains of mound of stone, W. of cor. No bearing trees.
Reset the same stone, firmly in its original place, 9 ins. in the ground, and build up the original mound of stone to 2 ft. base, 1½ ft. high.
Land, level and rolling.
Soil, dry, sandy and rocky clay, 10 to 14 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering greasewood, buck brush and cacti, 4 ft. high. Good grass.

RETRACEMENT OF PART OF S. BDY. OF E. PORTION OF FRACL. T. 22 SOUTH, RANGE 22 EAST.

S. 89°54' W., on a true line, bet. fracl. secs. 3 and 34.

Over rolling land, thru. dense undergrowth.

- .12 Ravine, 50 lks. wide, course N. 30° W. Ascend 10 ft. over NE. slope.
23.12 Intersect the original closing cor. of fracl. secs. 3 and 34, on 10th mile of bdy. of the San Rafael del Valle Private Land Claim, a limestone 8x8x8 ins. above ground firmly set, marked "CC" on E., and "S R D V" on W. face, and witnessed by mound of stone, N. of cor. No bearing trees.
Make no change in this cor.
Land, rolling.
Soil, rocky clay loam, about 12 ins. deep, 3rd rate.

Retracement of part of S. bdy. of E. portion of fracl. T. 22 S. R. 22 E. 3
Chains.

No timber.
Undergrowth, dense greasewood, buck brush and cacti, 4 ft. high.
Good grass.

RESURVEY OF PART OF S. BDY. OF W. PORTION OF FRACL. T. 22 S. R. 22 E.

From the original cor. of Ts. 22 and 23 S., R. 21 E., and fracl. Ts. 22 and 23 S., R. 22 E., a redwood post 4 ins. sq., 12 ins. above ground, firmly set, marked
"T22S S31" on NE.,
"R22E S6" on SE.,
"S1" on SW., and
"R21E S36" on NW. face, and 6 notches on each of E., W., N. and S. edges, witnessed by pits N., S., E. and W., and mound of earth, S. of cor. No bearing trees.

Thence,
S. 89° 49' E., on a true line, bet. sec. 6 and fracl. sec. 31. Over rolling land, thru. scattering undergrowth.
22.80 Wash, 2.00 chs. wide, on banks 4 ft. high, course N. 40° E.
39.09 Intersect the original 1/4 sec. cor. of secs. 6 and 31, a redwood post 4 ins. sq., 12 ins. above ground, firmly set, marked

"1/4 S31" on N., and
"S6" on S. faces, and witnessed by pits E. and W., and mound of earth N. of cor. No bearing trees. Reestablish this cor. to refer to sec. 6 only, by obliterating marking on S. face, and scattering the mound of earth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of fracl. sec. 31 only, marked on brass cap,

"1/4 S 31"
1916

42.25 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.

63.20 Wash, 6 lks. wide, 3 ft. deep, course N.

75.31 Wash, 5 lks. wide, 3 ft. deep, course N.

79.21 Road to Hereford, Arizona, brs. N. 50° W. and S. 50° E.

Intersect the original cor. of secs. 6, and fracl. secs. 5, 31 and 32, a redwood post, 4 ins. sq., 12 ins. above ground, firmly set, marked

"T22S S32" on NE.,
"R22E S5" on SE.,
"T23S S6" on SW., and
"S31" on NW. faces, and 5 notches on E., and 1 notch on W. edge, witnessed by pits, NE., SE., SW. and NW., and mound of earth W. of cor.

No bearing trees. Make no change in this cor.

Land, rolling valley, slopes to the NE.

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

No timber.

Undergrowth, scattering scrub mesquite and greasewood, 3 to 5 ft. high.

Good grass.

RETRACEMENT OF PART OF W. PORTION OF S. BDY. OF FRACL. T. 22 S., R. 22 E.

N. 89° 55' E., on a true line, bet. fracl. secs. 5 and 32. Over level land, thru. scattering undergrowth.

1.54 Intersect the original closing cor. of fracl. secs. 5 and 32, on 18th mile of Bdy. of San Rafael del Valle Private Land claim, a granite stone 8x8x6 ins. above ground,

4. Retracement of part of W. portion of S. bdy. of fracl. T. 22S., R. 22E.

Chains.

firmly set, marked
 "C. C" on W., and
 "SRDV" on E. face, and witnessed by pits
 NW. and SE., and W., and mound of earth, W. of cor. No
 bearing trees. No change made in this cor.
 Land, level valley, slopes to the northeast.
 Soil, dry, sandy loam, about 12 ins. deep, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite and greasewood.
 Good grass.

RETRACEMENT OF PART OF BDY. OF SAN RAFAEL DEL VALLE PRIVATE
 LAND CLAIM.

EAST BOUNDARY.

Begin retracement at the original closing cor. of fracl.
 secs. 4 and 33, at intersection of N. bdy. of fracl. T.
 22 S., R. 22 E. with boundary of San Rafael del Valle
 Private Land Claim, a limestone 6x6x3 ins. above ground,
 firmly set, marked "CCR22E" on E., and "SRDV" on W.
 face, and 6 grooves on N. and S. faces, and witnessed
 by mound of stone, E. of cor. No bearing trees.

Thence,
 S. 13° 31½' E., on true line, on 4th mile (N. ½).
 Over level land, thru. scattering undergrowth.

2.16 Intersect the original 3½ mile monument, a limestone,
 10x10x4 ins. above ground, firmly set, marked "PL" on
 E., "3M" on S., and "SRDV" on W. face, and witnessed
 by pits N. 13½° W. and S. 13½° E., and mound of earth W. of
 cor. No bearing trees.

Thence,
 S. 13° 35½' E., on true line, on 4th mile (S. ½).

40.14 Intersect the original 4 mile monument, a limestone, 8x8x8
 ins. above ground, firmly set, marked "PL" on E., "4M"
 on S., and "SRDV" on W. face, and witnessed by pits N. 13½°
 W. and S. 13½° E., and mound of earth, W. of cor. No bear-
 ing trees.

Land, rolling and level.
 Soil, sandy and gravelly, 2nd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and
 chaparral.
 Poor grass.

16.89 S. 13° 32½' E., on true line, on 5th mile (N. ½).
 Over level land, thru. scattering undergrowth.
 Wash, 30 lks. wide, course W. Leave level, and enter roll-
 ing land.

32.49 Wash, 15 lks. wide, course W.
 40.19 Intersect the original 4½ mile monument, a limestone,
 12x8x6 ins., above ground, firmly set, marked "PL" on
 E., "4M" on S., and "SRDV" on W. face, and witnessed by
 pits N. 13½° W., and S. 13½° E., and mound of earth, W. of
 cor. No bearing trees.

Thence,
 S. 13° 33½' E., on true line, on 5th mile, (S. ½).
 Over rolling land, thru. scattering undergrowth.

21.64 N. edge of draw, brs. N. 50° W. and S. 50° E. Thence across
 draw.

24.99 Wash, 15 lks. wide, course W. Continue across draw.

27.24 S. edge of draw, brs. E. and W. Leave draw.

40.24 Intersect the original 5 mile monument, a granite stone,
 10x8x8 ins., above ground, firmly set, marked "PL"
 on E., "5M" on S., and "SRDV" on W. face, and witnessed
 by pits N. 13½° W., and S. 13½° E., and mound of earth W.
 of cor.

Retracement of part of Hdy. of San Rafael del Valle P.L.C. - E. hdy.

Chains

Land, level and rolling.
Soil, gravelly and rocky, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and chaparal.
Poor grass.

17.51 S.13°32½'E., on true line, on 6th mile (N.½).
37.71 Over rolling land, thru scattering undergrowth.
Wash, 6 lks. wide, 5 ft. deep, course N.60°W.
40.21 North edge of draw, brs. E. and W. Thence across draw, course W.
Intersect the original 5½ mile monument, a porphyry stone, 6x8x8 ins. above ground, firmly set, marked "PL" on E., "5M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W. and S.13½°E., and mound of earth, W. of cor. No bearing trees.
Thence,
S.13°31½'E., on true line, on 6th. mile (S.½).
Over rolling land, thru scattering undergrowth, in draw, course W.
.30 S. edge of draw, brs. E. and W. Leave draw.
33.10 Wash, 20 lks. wide, 20 ft. deep, course W.
40.20 Intersect the original 6 mile monument, a limestone, 8x8x10 ins., above ground, firmly set, marked "PL" on E., "6M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W., and S.13½°E., and mound of earth W. of cor. No bearing trees.
Land, rolling.
Soil, gravelly, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and chaparal.
Poor grass.

15.01 S.13°33½'E., on a true line, on 7th mile (N.½).
26.21 Over rolling land, thru scattering undergrowth.
Road, brs. E. and W.
40.21 Wash, 15 lks. wide, course W.
Intersect the original 6½ mile monument, a limestone, 8x8x10 ins. above ground, firmly set, marked "PL" on E., "6½M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W. and S.13½°E., and mound of earth W. of cor. No bearing trees.
Thence,
S.13°16½'E., on true line, on 7th mile (S.½).
31.30 Over rolling land, thru scattering undergrowth.
N. edge of draw, brs. N.70°E. and S.60°W. Thence across draw.
33.50 Tombstone wash, 30 lks. wide, course S.70°W. in draw.
36.70 South edge of draw, brs. E. and W. Leave draw. Ascend 65 ft. on N. slope.
38.50 Ridge, brs. E. and W.; descend.
40.00 Intersect the original 7 mile monument, a limestone, 8x10x10 ins., above ground, firmly set, marked "PL" on E., "7M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W. and S.13½°E., and mound of earth, W. of cor. No bearing trees.
Land, rolling.
Soil, gravelly, 3rd rate.
No timber.
Undergrowth, scattering mesquite, greasewood and chaparal.
Poor grass.

3.15 S.13°19½'E., on true line, on 8th mile (N.½).
Over rolling land, thru scattering undergrowth.
Draw, 1.00 ch. wide, course W.

6. Retracement of part of bdy. of San Rafael del Valle P.L.C. - E. bdy.

Chains.	
15.15	Wash, 40 lks. wide, course N.60°W.
28.25	Draw, 2.00 chs. wide, course W.
38.15	North edge of draw, brs. E. and W. Thence across draw, course W.
40.15	Intersect the original 7½ mile monument, a granite stone, 8x8x16 ins. above ground, firmly set, marked "PL" on E., "7½M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W. and S.13½°E., and mound of earth W. of cor. No bearing trees. Thence, S.13° 22½'E., on true line, on 8th mile (S.½). Over rolling land, thru. scattering undergrowth, in draw, course W.
4.22	S. edge of draw, brs. E. and W. Leave draw.
17.42	Draw, 1.00 chain wide, course S.60°W.
32.82	North edge of draw, brs. N.60°E. and S.50°W. Thence across draw, course S.60°W.
36.92	South edge of same draw, brs. N.50°E. and S.60°W. Leave draw.
40.22	Intersect the original 8 mile monument, a limestone, 8x8x10 ins. above ground, firmly set, marked "PL" on E., "8M" on S., and "SRDV" on W. face, and witnessed by mound of stone, W. of cor. No bearing trees. Land, rolling. Soil, gravelly, 3rd rate. No timber. Undergrowth, scattering chaparral, greasewood and buck brush. Poor grass.

	S.13° 30½'E. on a true line, on 9th mile (N.½). Over rolling land, thru. scattering undergrowth.
2.21	Wash, 40 lks. wide, 4 ft. deep, course N.70°W.
17.36	Road, brs. N.40°E. and S.50°W.
27.61	Draw, 1.00 chain wide, course S.60°W.
40.11	Intersect the original 8½ mile monument, a limestone, 12x12x10 ins. above ground, firmly set, marked "PL" on E., "8½M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W. and S.13½°E., and mound of earth, W. of cor. No bearing trees. Thence, S.13° 28½'E., on true line, on 9th mile (S.½). Over rolling land, thru. scattering undergrowth.
7.04	Draw, 1.00 ch. wide, course W.
12.64	North edge of draw, brs. E. and W. Thence across draw, course W.
17.74	South edge of draw, brs. E. and W. Leave draw.
29.39	Draw, 2.00 chs. wide, course W.
40.14	Intersect the original 9 mile monument, a limestone, 10x8x4 ins. above ground, firmly set, marked "PL" on E., "9M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W., and S.13½°E., and mound of earth, W. of cor. No bearing trees. Land, rolling. Soil, gravelly, 2nd and 3rd rate. No timber. Undergrowth, scattering scrub mesquite, greasewood and cacti. Poor grass.

	S.13° 26½'E., on true line, on 10th mile (N.½). Over rolling land, thru. scattering undergrowth.
5.51	Ravine, 10 lks. wide, course W.
23.81	Ravine, 10 lks. wide, course W.
40.11	Intersect the original 9½ mile monument, a limestone, 6x8x10 ins. above ground, firmly set, marked "PL" on E., "9½M" on S., and "SRDV" on W. face, and witnessed by pits N.13½°W. and S.13½°E.; and mound of earth W. of

Retracement of part of bdy. of San Rafael del Valle P. L. C. - E. bdy 7

Chains.

cor. No bearing trees.
Land, rolling.
Soil, gravelly, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, chaparral, greasewood, and buck brush.
Poor grass.
Discontinue retracement of the E. bdy. of the San Rafael del Valle Private Land Claim at the above described cor.

West bdy. of San Rafael del Valle Private Land Claim.

Begin retracement at the original 17 mile monument, a limestone, 6x10x10 ins. above ground, firmly set, marked "PL" on W.; "17 M" on N.; and "SRDV" on E. face, and witnessed by pits N.13 1/2° W. and S.13 1/2° E., and mound of earth E. of cor. This monument is on the W. bdy. of the claim, on the E. side of fracl. sec. 5, fracl. T. 23 S., R. 22 E.

Thence,
N.13° 24 1/2' W., on a true line, on 18th mile (S. 1/2).

9.58 Over level land, thru scattering undergrowth.
Intersect the original closing cor. of fracl. secs. 5 and 32 on S. bdy. of fracl. T. 22 S., R. 22 E., hereinbefore described.

23.85 Continue line and measurement.
Wash, 1.00 chain wide, 10 ft. deep, course N. 60° E. from W.
34.00 Draw, 1.00 chain wide, course E.

40.17 Intersect the original 17 1/2 mile monument, a limestone, 8x6x6 ins. above ground, firmly set, marked "PL" on W., "17 1/2 M" on N., and "SRDV" on E. face, and witnessed by pits N.13 1/2° W. and S.13 1/2° E. and mound of earth E. of cor. No bearing trees.

Thence,
N.13° 27 1/2' W., on true line, on 18th mile (N. 1/2).

40.16 Over rolling land, thru scattering undergrowth.
Intersect the original 18 mile monument, a limestone 8x10x12 ins. above ground, firmly set, marked "PL" on W., "18 M" on N. and "SRDV" on E. face, and witnessed by pits N.13 1/2° W. and S.13 1/2° E. and mound of earth E. of cor.
No bearing trees.

Land, rolling.
Soil, sandy and gravelly, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood.
Good grass.

N.13° 25 1/2' W., on true line, on 19th mile, (S. 1/2).
Over rolling land, thru scattering undergrowth.

3.20 Wash, 30 lks. wide, course N. 60° E.
33.60 Wire fence, brs. E. and W.
40.19 Intersect the original 18 1/2 mile monument, a limestone, 8x8x8 ins. above ground, firmly set, marked "PL" on W., "18 1/2 M" on N., and "SRDV" on E. face, and witnessed by pits N.13 1/2° W. and S.13 1/2° E., and mound of earth E. of cor.
No bearing trees.

Thence,
N.13° 26 1/2' W., on true line, on 19th mile (N. 1/2).

19.00 Over rolling land, thru scattering undergrowth.
Wash, 100 lks. wide, course E. from SW.
23.80 SE. cor. of cultivated land, extending W. about 6 chs. dist.
Thence along E. side of cultivated land.
24.30 House brs. W. about 8 chs. dist.
37.00 NE. cor. of cultivated land, extending W. about 3.00 chs. dist. Leave cultivated land.

40.15 Intersect the original 19 mile monument, a limestone

8. Retracement of part of bdy. of San Rafael del Valle P.L.C.

Chains.

12x12x4 ins. above ground, firmly set, marked "P L" on W., "19M" on N., and "SRDV" on E. face, and witnessed by pits N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E., and mound of earth E. of cor. No bearing trees.

Land, rolling.

Soil, sandy and gravelly loam, 1st, 2nd and 3rd rate.

No timber.

Undergrowth, scattering scrub mesquite and greasewood.

Good grass.

- N. 13° $28\frac{1}{2}'$ W., on true line, on 20th mile (S. $\frac{1}{2}$).
Over rolling land, thru. scattering undergrowth.
- 1.00 Wash, 10 lks. wide, course S. 60° E.
- 40.18 Intersect the original $19\frac{1}{2}$ mile monument, a limestone, 12x12x12 ins. above ground, firmly set, marked "PL" on W., "19 $\frac{1}{2}$ M" on N., and "SRDV" on E. face, and witnessed by pits N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E., and mound of earth, E. of cor. No bearing trees.
- Thence,
N. 13° $30\frac{1}{2}'$ W., on true line, on 20th mile (N. $\frac{1}{2}$).
Over rolling land, thru. scattering undergrowth.
- 3.70 Draw, 2.00 chs. wide, course N. 40° E.
- 11.00 Leave rolling land. Enter level land, brs. N. 50° E. and S. 60° W.
- 12.70 South bank of wash, 8 ft. high, brs. N. 70° E. and S. 70° W.
Thence across wash, course E.
- 14.40 North bank of same wash, 8 ft. high, brs. E. and W.; leave wash, and continue over level land.
- 19.70 House brs. W. about 15 chs. dist.
- 24.40 Leave level land, brs. E. and W. Enter rolling land and dense undergrowth.
- 40.14 Intersect the original 20 mile monument, a limestone, 10x12x12 ins. above ground, firmly set, marked "PL" on W., "20M" on N., and "SRDV" on E. face, and witnessed by pits N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E., and mound of earth, E. of cor. No bearing trees.
- Land, rolling and level.
Soil, sandy and gravelly, 1st and 2nd rate.
No timber.
Undergrowth, scattering scrub mesquite, except near N. end of mile, where the mesquite undergrowth is dense.
Good grass.

- N. 13° $29\frac{1}{2}'$ W., on true line, on 21st mile. (S. $\frac{1}{2}$).
Over rolling land, thru. dense undergrowth.
- 2.80 Wire fence, brs. E. and W. Leave dense and enter scattering undergrowth.
- 40.21 Intersect the original $20\frac{1}{2}$ mile monument, a limestone, 8x8x8 ins. above ground, firmly set, marked "PL" on W., "20 $\frac{1}{2}$ M" on N., and "SRDV" on E. face, and witnessed by pits N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E., and mound of earth, E. of cor. No bearing trees.
- Thence,
N. 13° $31\frac{1}{2}'$ W., on true line, on 21st mile (N. $\frac{1}{2}$).
Over rolling land, thru. scattering undergrowth.
- 6.80 Wash, 10 lks. wide, course east.
- 40.17 Intersect the original 21 mile monument, a limestone, 12x12x4 ins., above ground, firmly set, marked "PL" on W., "21M" on N., and "SRDV" on E. face, and witnessed by pits N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E., and mound of earth, E. of cor. No bearing trees.
- Land, rolling.
Soil, sandy and gravelly, 2nd rate.
No timber.
Undergrowth, scattering mesquite and greasewood.
Good grass.

Retracement of part of Bdy of San Rafael del Valle P. L. C. 9

Chains
 11.80 N.13°31 $\frac{1}{2}$ 'W., on true line, on 22nd mile (S. $\frac{1}{2}$).
 Over rolling land, thru scattering undergrowth.
 40.14 Wash, 15 lks. wide, course N.40°E.
 Intersect the original 21 $\frac{1}{2}$ mile monument, a limestone, 8x8x
 2 ins. above ground, firmly set, marked "PL" on W., "21 $\frac{1}{2}$ M"
 on N., and "SRDV" on E. face, and witnessed by pits N.13 $\frac{1}{2}$
 W. and S.13 $\frac{1}{2}$ 'E., and mound of earth, E. of cor.
 No bearing trees.
 Land, rolling.
 Soil, gravelly, 3rd rate. No timber.
 Undergrowth, scattering scrub mesquite and greasewood.
 Good grass.
 Discontinue retracement of the W. bdy. of the San Rafael del
 Valle Private Land Claim at the above described cor.

 Boundaries of Fractional Township 22 South, Range 22 East.
 Latitudes, Departures, and Closing Errors. - E. portion.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S.89°49'W.	40.10		.13		40.10
	West,	40.12				40.12
	S.89°52'W.	80.16		.19		80.16
	S.89°54'W.	23.12		.04		23.12
Boundary of San Rafael del Valle Private Land Claim (E. side)	N.13°31 $\frac{1}{2}$ 'W.	10.40	10.11			2.43
	N.13°26' $\frac{1}{2}$ 'W.	40.11	39.01			9.32
	N.13°28' $\frac{1}{2}$ 'W.	40.14	39.03			9.35
	N.13°30' $\frac{1}{2}$ 'W.	40.22	39.00			9.37
	N.13°22' $\frac{1}{2}$ 'W.	40.22	39.13			9.30
	N.13°19' $\frac{1}{2}$ 'W.	40.15	39.07			9.25
	N.13°16' $\frac{1}{2}$ 'W.	40.00	38.93			9.18
	N.13°33' $\frac{1}{2}$ 'W.	40.21	39.09			9.43
	N.13°31' $\frac{1}{2}$ 'W.	40.20	39.08			9.40
	N.13°32' $\frac{1}{2}$ 'W.	40.21	39.09			9.41
	N.13°33' $\frac{1}{2}$ 'W.	40.24	39.12			9.43
	N.13°32' $\frac{1}{2}$ 'W.	40.19	39.07			9.41
	N.13°35' $\frac{1}{2}$ 'W.	40.14	39.01			9.43
N.13°31' $\frac{1}{2}$ 'W.	2.16	2.10			.50	
North boundary,	East,	298.00			298.00	
East boundary,	South,	480.00		480.00		
Convergency,					.24	
	Total,		480.84	480.36	298.24	298.71
			480.36			298.24
	Error in latitude,		0.48			
	Error in departure,					0.47

(West Portion).

Lines designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	N.89°55'W.	1.54				1.54
	N.89°49'W.	79.21	.25			79.21
West boundary,	North,	333.34	333.34			
Bdy. of San Rafael del Valle Private Land Claim (W. side)	S.13°31 $\frac{1}{2}$ 'E.	31.99		31.10	7.48	
	S.13°31' $\frac{1}{2}$ 'E.	40.17		39.05	9.40	
	S.13°29' $\frac{1}{2}$ 'E.	40.21		39.09	9.38	
	S.13°30' $\frac{1}{2}$ 'E.	40.14		39.02	9.38	
	S.13°28' $\frac{1}{2}$ 'E.	40.18		39.07	9.36	
	S.13°26' $\frac{1}{2}$ 'E.	40.15		39.05	9.33	
	S.13°25' $\frac{1}{2}$ 'E.	40.19		39.09	9.33	
	S.13°27' $\frac{1}{2}$ 'E.	40.16		39.06	9.35	
S.13°24' $\frac{1}{2}$ 'E.	30.54		29.71	7.08		
Convergency,					.03	
	Totals,		333.59	334.24	80.12	80.75
				333.59		80.12
	Error in latitude,		0.65			
	Error in departure,					0.63

10. Subdivision of frac^l Township 22 South, Range 22 East.

Chains.

Examine the adjustments of the transit, and find them to be correct, and know from recent tests of the solar apparatus by comparing its indications, resulting from a.m. and p.m. observations with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

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.

1.12 Wire fence brs. E. and W.

3.10 South edge of draw, brs. N. 60° E. and S. 60° W. Thence over cultivated land in bottom of draw, drains S. 60° W.

7.30 Leave cultivated land and bottom of draw, brs. N. 60° E. and S. 60° W. Ascend on gradual SE. slope.

15.80 Wire fence brs. N. 50° E. and S. 50° 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,

$\frac{1}{4}$ S35 | S36

1916

55.00 Raise a mound of stone, 2 ft base, 1 $\frac{1}{2}$ ft. high, W. of cor. Short gravelly ridge, brs. N. 60° E. and S. 60° W. Descend gradually over NW. slope.

59.00 Wash, 10 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 cor. of secs. 25, 26, 35 and 36, marked on brass cap,

T22S | R22E
S26 | S25
S35 | S36

1916

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling and hilly, slopes to the west. Soil, dry, gravelly clay loam, about 8 ins. deep, 2nd and 3rd rate.

No timber.

Undergrowth, scattering scrub mesquite, greasewood and cacti, 4 to 6 ft. high.

Poor grass.

40.00 N. 89° 55' E., on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect E. bdy. of Tp., 32 lks. S. of the cor. of secs. 25 and 36, a limestone, 6x10x10 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. Cor. established in May, 1909, to refer to 4 secs. but became cor. of 2 secs. only when closing cor. of secs. 30 and 31 was set in Feb. 1913.

Thence,

S. 89° 41' W., on a true line, bet. secs. 25 and 36.

Over rolling land, slopes to the W., thru scattering undergrowth.

8.45 Wash, 30 lks. wide, 15 ft. deep, course S. 30° W.

10.46 Road brs. N. 10° W. and S. 10° E.

40.08 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 25

S 36

1916

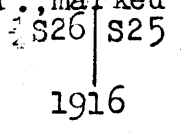
Subdivision of Fracl Township 22 South Range 22 East 11

Chains
53.06
80.16

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
Abandoned railroad, grade or bed, brs. N. 20° W. and S. 20° E.
The cor. of secs. 25, 26, 35 and 36.
Land, rolling, gravelly and stony valley, slopes to the W.
and SW.
Soil, gravelly and stony clay loam, about 10 ins. deep, 3rd
rate.
No timber.
Undergrowth, scattering greasewood, chaparral, buck brush
and cacti, 4 to 6 ft. high.
Poor grass.

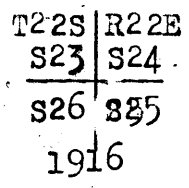
4.75
15.20
40.00

N. 0° 1' W., bet. secs. 25 and 26.
Over rolling land, thru scattering brush undergrowth.
Wash, 10 lks. wide, 6 ft. deep, course N. 70° W.
Wash, 20 lks. wide, 10 ft. deep, course S. 70° 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,



44.60
77.50
80.00

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Wash, 30 lks. wide, 10 ft. deep, course W.
Wash, 15 lks. wide, 15 ft. deep, course N. 70° W.
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,



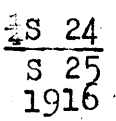
Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling, gravelly and stony valley, slopes to the
W.
Soil, gravelly clay loam, about 8 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering greasewood, chaparral, soto and cacti,
4 to 8 ft. high.
Poor grass.

40.00
80.10

N. 89° 41' E., on a random line, bet. secs. 24 and 25.
Set temp. 1/4 sec. cor.
Intersect E. bdy. of Tp., 14 lks. N. of the cor. of secs. 24,
and 25, a limestone, 6x8x12 ins. above ground, firmly
set, marked with 2 notches on S. and 4 notches on N.
edge, and witnessed by mound of stone, W. of cor. No
bearing trees.
Cor. established in May, 1909, to refer to 4 secs. but be-
came cor. of two secs. only when closing cor. of secs. 19
and 30 was set in February, 1913.

25.00
35.40
40.05

Thence,
S. 89° 47' W., on a true line, bet. secs. 24 and 25.
Over mountainous land, thru scattering undergrowth. Descend
397 ft. on NW. slope.
Foot of descent; leave mountainous, and enter rolling land.
Road brs. N. 30° E. and S. 30° 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,



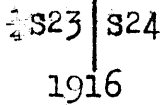
Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.,
and scatter the earth.

12. Subdivision of Fracl Township 22 South, Range 22 East

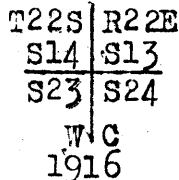
Chains

72.20 Abandoned railroad, grade or bed, brs. N.20° W. and S.20°E.
 80.10 The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous and rolling.
 Soil, 2nd, 3rd and 4th rate.
 No timber.
 Undergrowth, scattering greasewood, ocotillo, chaparal, buck
 brush and cacti; 3 to 6 ft. high.
 Poor grass.

N.0°01'W., bet. secs. 23 and 24.
 Over rolling land, thru scattering undergrowth.
 26.69 Abandoned railroad, grade or bed, brs. N.30°W. and S.30°E.
 32.10 Wash, 8 lks. wide, 5 ft. deep, course S.70°W.
 36.50 Grassy draw, 100 lks. wide, course S.50°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,



54.70 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Road brs. E. and W.
 66.00 Road brs. N.20°E. and S.20°W.
 76.25 Descend 20 ft.
 77.00 Foot of descent; enter bottom land.
 79.80 Tombstone wash, 50 lks. wide, course S.70° W.
 80.00 The point for the cor. of secs. 13, 14, 23 and 24, falls in
 the bottom of the wash; therefore, continue line and
 measurement, and at
 80.30 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for witness cor. to the cor. of secs. 13, 14,
 23 and 24, marked on brass cap.



from which,
 A walnut, 6 ins. in diam., brs. S.17 $\frac{1}{2}$ °E., 75 lks.
 dist., marked WC T22S R22E S24 BT.
 A walnut, 8 ins. in diam., brs. S.46°W., 75 lks. dist.
 marked WC T22S R22E S23 BT.
 No other trees within limits. Raise a mound of stone, 2 ft.
 base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling valley, slopes to the west.
 Soil, gravelly and stony clay loam, about 10 ins. deep, 3rd
 rate.
 Timber, scattering walnut and hackberry along the Tombstone
 Wash.
 Undergrowth, scattering scrub mesquite, greasewood, chap-
 aral, soto, buck brush and cacti, 4 ft. high.
 Poor grass.

40.00 From true point for cor. of secs. 13, 14, 23 and 24,
 80.00 N.89° 47' E., on a random line, bet. secs. 13 and 24.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp., 32 lks. N. of the cor. of secs. 13
 and 24, a limestone, 6x6x12 ins., above ground, firmly
 set, marked with 3 notches on each of N. and S. edges, and
 witnessed by mound of stone W. of cor. No bearing
 trees.
 Cor. established in May, 1909 to refer to four secs. but
 became cor. of two secs. only, when closing cor. of secs.
 18 and 19, was set in February, 1913.

Subdivision of frac1. Township 22 South. Range 22 East. 13

Chains

Thence,
 N.89°59'W., on a true line, bet. secs.13 and 24.
 Over rolling land, thru scattering undergrowth.
 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,
 S13
 S 24
 1916

Dig pits, 18x18x12 ins., E.and W.of post, 3 ftl dist.,and
 scatter the earth.
 65.00 Descend 20 ft.
 66.00 Foot of descent; enter level, sandy bottom land,and scat-
 tering timber,brs.N.70°E. and S.70°W.
 79.50 Tombstone Wash, 50 lks.wide, course S. 70°W.
 80.00 The true point for cor.of secs. 13,14, 23 and 24, in
 wash.
 Land, rolling and level.
 Soil,dry,sandy and gravelly loam, 8 to 12 ins.deep, 2nd and
 3rd rate.
 Timber, scattering mesquite and hackberry, along wash.
 Undergrowth, scattering scrub mesquite, greasewood, chap-
 aral, soto, buck brush and cacti, 4ft. high.
 Poor grass.

From the true point for cor.of secs.13,14, 23 and 24,
 N.0° 1' W., bet.secs. 13 and 14.
 Over dry bed of the Tombstone Wash, course S.70°W.
 .05 Leave Tombstone Wash, and enter level sandy bottom land,
 thru scattering timber and undergrowth.
 4.50 Leave level bottom land, brs. E. and W., enter rolling
 land.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam.,26 ins.in the
 the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap,
 S14 | S13
 1916

Raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$ ft. high,W.of cor.
 41.60 Road to Bisbee, Arizona, brs.N.40° E. and S.40°W.
 55.20 Wash, 10 lks.wide, course S.70°W.
 62.40 Road to Bisbee, Arizona, brs.N.60° E. and 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.11,12,13 and 14, marked on
 brass cap,
 T22S | R22E
 S11 | S12
 S14 | S13
 1916

Dig pits. 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft.dist.,and scat-
 ter the earth.
 Land,level and rolling valley, slopes to the west.
 Soil,dry,sandy and rocky clay loam, about 12 ins.deep,2nd
 and 3rd rate.
 Timber, scattering mesquite and hackberry along Tombstone
 Wash.
 Undergrowth, scattering scrub mesquite, greasewood and chap-
 aral, 4ft.high.
 Poor grass.

S.89° 59' E., on a random line, bet.secs.12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.

14. Subdivision of fracl. Township 22 south, Range 22 East.

Chains.
79.98 Intersect E. bdy. of Tp., 37 lks. S. of the cor. of secs. 12, and 13, a limestone, 12x6x6 ins. above ground, marked with 2 notches on N., and 4 notches on S. edge, and witnessed by pits N7. and SW., and mound of earth, W. of cor. No bearing trees.
Cor. established in May, 1909, to refer to four secs., but became cor. of two secs. only, when closing cor. of secs. 7 and 18, was set in February, 1913.
Thence,
S. 89° 45' W., on a true line, bet. secs. 12 and 13.
Over nearly level land, thru scattering undergrowth.
5.68 Road to Bisbee, Arizona, brs. N. 30° E. and S. 30° W.
37.50 Road from Hereford to Bisbee, Arizona, brs. N. 60° E. and S. 60° W.
39.99 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 12
S 13
1916

79.98 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. The cor. of secs. 11, 12, 13 and 14.
Land, rolling valley, slopes to the west.
Soil, dry, sandy and gravelly clay loam, about 12 ins. deep, 2d and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, chaparral and soto, 4 to 6 ft. high.
Poor grass.

N. 0° 01' W., bet. secs. 11 and 12.
Over rolling land, thru scattering undergrowth.
25.58 Road brs. N. 50° W. and S. 50° E.
39.50 Wash, 15 lks. wide, 4 ft. deep, course N. 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,

S 11 | S 12
1916

50.00 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.
57.00 Gravelly ridge, brs. N. 70° E. and S. 70° W.
65.00 Wash, 10 lks. wide, 6 ft. deep, course W. Ascend 8 ft.
74.90 Gravelly ridge, brs. E. and W.
80.00 Road to Bisbee, Arizona, brs. N. 50° W. and S. 50° E.
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,

T 22 S | R 22 E
S 2 | S 1
S 11 | S 12
1916

Dig pits, 18x18x12 ins. in each sec. 5½ ft. dist., and scatter the earth.
Land, rolling valley, slopes to the W.
Soil, dry, sandy and stony clay loam, about 12 ins. deep, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood, chaparral and ocotillo, 4 ft. high.
Poor grass.

Subdivision of fracl. Township 22 South, Range 22 East. 15

Chains

40.00 N. 89° 45' E., on a random line, bet. secs. 1 and 12.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect E. bdy. of Tp., 8 lks. S. of the cor. of secs. 1 and 12, a porphyry stone, 8x10x10 ins., above ground, firmly set, marked with 1 notch on N., and 5 notches on S. edge, and witnessed by mound of earth, W. of cor.
 No bearing trees.
 Cor. established in May, 1909, to refer to four secs., but became cor. of two secs. only, when closing cor. of secs. 6 and 7, was set in February, 1913.
 Thence,
 S. 89° 42' W., on a true line, bet. secs. 1 and 12.
 Over rolling land, thru scattering undergrowth.
 28.62 Road from Bisbee, to Lewis Springs, Arizona, brs. N. 50° W. and S. 50° E.
 29.42 Long distance telephone line from Bisbee, to Tucson, Arizona, brs. N. 30° W. and S. 40° E.
 32.15 Wash, 15 lks. wide, banks 4 ft. high, course N. 50° W.
 39.96 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 1
 S 12
 1916

79.92 Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and scatter the earth.
 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling valley, slopes to the west.
 Soil, rocky clay loam, about 12 ins. deep, 2nd and 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood, chaparral, soto, and cacti.
 Poor grass.

40.00 N. 0° 01' W. on a random line, bet. secs. 1 and 2.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.56 Intersect N. bdy. of Tp. 21 lks. E. of the original cor. of secs. 1, 2, 35 and 36, a porphyry stone 10x10x10 ins. above ground, firmly set, marked with 1 notch on E. and 5 notches on W. edge, and witnessed by mound of stone, W. of cor. No bearing trees.
 Thence,
 S. 0° 10' E., on a true line, bet. secs. 1 and 2.
 Over hilly land, thru scattering undergrowth.
 2.07 Wash, 10 lks. wide, 4 ft. deep, course N. 30° W.; ascend 10 ft.
 10.50 Gravelly ridge, brs. NW. and SE. Descend 8 ft.
 14.47 Long distance telephone line from Bisbee to Tucson, Arizona, brs. N. 40° W. and S. 40° E.
 18.67 Road from Bisbee to Lewis Springs, Arizona, brs. N. 30° W. and S. 40° E.
 21.00 Foot of gradual descent; enter level bottom land.
 28.50 Leave bottom land, brs. E. and W. Ascend gradually.
 40.56 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 1
 1916

45.50 Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.
 Gravelly ridge, brs. NW. and SE. Descend 8 ft.
 50.00 Wash, 100 lks. wide, course N. 40° W. Ascend 10 ft.
 80.56 The cor. of secs. 1, 2, 11 and 12.
 Land, level and hilly.
 Soil, gravelly and rocky loam, about 10 ins. deep, 3rd rate.
 No timber.

16 Subdivision of fracl. Township 22 South, Range 22 East.

Chains	Undergrowth, scattering scrub mesquite, greasewood and chaparal, 4 ft. high. Poor grass.										
	-----00-----										
	From the original cor. of secs. 2 and 35, and fracl. secs. 3 and 34 on S. bdy. of Tp., hereinbefore described, N. 0° 01' W., bet. sec. 35, and fracl. sec. 34. Over hilly land, thru dense undergrowth.										
2.10	Wash, 100 lks. wide, 6 ft. deep, course N. 70° W. Ascend 10 ft.										
15.00	Gravelly ridge, brs. N. 70° W. and S. 70° E. Descend 15 ft.										
21.30	Wash, 150 lks. wide, course S. 60° W. Ascend 15 ft.										
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,										
	<table border="1"> <tr><td>1/4 S 34</td><td>1/4 S 35</td></tr> <tr><td colspan="2" style="text-align: center;">1916</td></tr> </table>	1/4 S 34	1/4 S 35	1916							
1/4 S 34	1/4 S 35										
1916											
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.										
60.00	Short gravelly ridge brs. N. 70° E. and S. 70° W. Descend 15 ft.										
68.20	Wash, 10 lks. wide, course W. Ascend 10 ft.										
74.00	Short low ridge, brs. N. 80° E. and S. 80° W. Descend 10 ft.										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26 and 35, and fracl. secs. 27 and 34, marked on brass cap,										
	<table border="1"> <tr><td>T 22 S</td><td>R 22 E</td></tr> <tr><td>S 27</td><td>S 26</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td>S 34</td><td>S 35</td></tr> <tr><td colspan="2" style="text-align: center;">1916</td></tr> </table>	T 22 S	R 22 E	S 27	S 26	-----		S 34	S 35	1916	
T 22 S	R 22 E										
S 27	S 26										

S 34	S 35										
1916											
	raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, hilly. Soil, gravelly clay loam, about 8 ins. deep, 3rd rate. No timber. Undergrowth, dense scrub mesquite, greasewood, chaparal and buck brush, 5 ft. high. Poor grass.										

40.00	N. 89° 52' E., on a random line, bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.										
80.28	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 25, 26, 35 and 36. Thence, S. 89° 53' W., on a true line, bet. secs. 26 and 35. Over rolling land, thru scattering undergrowth.										
40.14	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,										
	<table border="1"> <tr><td>1/4 S 26</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td>S 35</td></tr> <tr><td colspan="2" style="text-align: center;">1916</td></tr> </table>	1/4 S 26	-----		S 35	1916					
1/4 S 26											

S 35											
1916											
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.										
45.28	Wash, 200 lks. wide, 3 ft. deep, course S. 40° W.; ascend 15 ft.										
50.00	Short gravelly ridge, brs. NE. and SW. Descend gradually.										
80.28	The cor. of secs. 26 and 35, and fracl. secs. 27 and 34. Land, rolling and hilly, slopes to the SW. Soil, dry, gravelly loam, about 8 ins. deep, 3rd rate. No timber. Undergrowth, scattering greasewood, chaparal and buck										

Subdivision of fracl. Township 22 South Range 22 East 17

Chains

brush, 5 ft. high.
 Poor grass.

40.00 N.0° 01' W., bet. sec. 26 and fracl.sec.27.
 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,

$\frac{1}{4}$ S27		S26
1916		

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

50.00 Wash, 25 lks.wide, course N. 70° W. Ascend 10 ft.

55.00 Short gravelly ridge, brs.N.70°W. and S.70°E. Descend
 gradually over NE.slope.

77.40 Road from Hereford to Bisbee, Arizona, brs. N.40°E. and
 S.40° W.

80.00 South edge of draw, brs.N.70°E. and S.70° W. Thence across
 draw, 3.00 chs.wide, course 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. 23 and 26, and fracl.secs.
 22 and 27, marked on brass cap,

T22S		R22E
S22		S23

S27		S26
1916		

Dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$ ft. dist.,and
 scatter the earth.
 Land,rolling.
 Soil, gravelly clay loam, 6 to 10 ins.deep, 2nd and 3rd
 rate.
 No timber.
 Undergrowth, scattering greasewood, chaparal, buck brush,
 soto and cacti, 5 ft. high.
 Poor grass.

40.00 N.89°53'E., on a random line, bet. secs.23 and 26.
 Set temp. $\frac{1}{4}$ sec.cor.

80.28 Intersect N. and S. line, 12 lks.S. of the cor.of secs.
 23,24, 25 and 26.

Thence,
 S.89°48'W., on a true line, bet.secs. 23 and 26.
 Over rolling land, thru.scattering undergrowth. Descend
 8 ft. on SW.slope.

4.65 Wash, 150 lks.wide, course N.60°W. Ascend 10 ft.

10.30 Short gravelly ridge, brs.N.60°W. and S.60°E. Descend
 over W.slope.

40.14 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 23

S 26
1916

54.70 Dig pits, 18x18x12 ins., E.and W.of post, 3 ft. dist.,
 and scatter the earth.

56.00 Road from Bisbee to Hereford,Arizona, brs.N.30°E. and S.
 10°W.

76.50 Wash, 100 lks.wide, course N.60°W.

80.28 South edge of draw, brs. N.50°E. and S.70°W. Thence across
 draw, 3.00 chs.wide, course S.70°W.

80.28 The cor.of secs. 23 and 26,and fracl.secs.22 and 27, in
 draw.

18. subdivision of fracl. Township 22 South, Range 22 East.

Chains.

Land, rolling.
Soil, dry, sandy and gravelly clay loam, 4 to 8 ins. deep,
3rd rate.
No timber.
Undergrowth, scatterig greasewood, chaparal, buck brush and
sote 4 to 6 ft. high.
Poor grass.

N.0° 1'W., bet. sec.23, and fracl. sec.22.
Over level land in bottom of draw, thru scattering under-
growth.

- .60 North edge of draw, brs. E. and W. Leave draw, and enter rolling land. Ascend gradual S. slope.
- 3.10 A deserted tent house, brs. W. about 2.00 chs. dist.
- 3.60 Road, brs. N.40°E. and S.40°W.
- 3.70 A well brs. W. about 2.50 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,

S22 | S23

1916

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

- 41.00 Short gravelly ridge, brs. E. and W. Descend gradually over N. slope.
- 51.50 Wash, 150 lks. wide, course S.60° W. Ascend S. slope.
- 57.00 Top of ascent, brs. N.70°E. and S.70°W. Descend gradually over N. slope.
- 60.90 Wash, 100 lks. wide, course W. Ascend gradual S. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14, 15, and 23, and fracl. sec. 22, marked on brass cap,

T22S | R22E.

S15 | S14

S22 | S23

1916

Dig pits, 18x18x12 ins., in each sec. 5 1/2 ft. dist., and scatter the earth.

Land, rolling.
Soil, dry, sandy and gravelly clay loam, about 8 ins. deep,
3rd rate.
No timber.

- 40.00 N.89°48' E., on a random line, bet. secs. 14 and 23.
- 80.38 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 8 lks. S. of the true point for cor. of secs. 13, 14, 23 and 24, in Tombstone Wash.
Thence,
S.89° 45' W., on a true line, bet. secs. 14 and 23.
Over level land in dry bed of Tombstone Wash, course S.80° W.
- .40 Leave wash, enter scattering timber and undergrowth.
- 35.50 End of fill on abandoned railroad, grade or bed, brs. N.75° lks. dist.
- 35.60 North edge of Tombstone Wash, brs. N.60°W. and S.60°E. Thence across wash, course W. from S.70°E.
- 38.20 North edge of wash, brs. N.60°E. and S.60°W. Leave bed of wash, thence along N. side of wash, over level land.
- 40.19 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,

1916

Subdivision of frac1. Township 22 South Range 22 East 19

Chains.

1/4 S 14
S 23
1916

41.10 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 Tombstone Wash, 40 lks. wide, course N. 40° W. from E.
 47.10 Tombstone Wash, 50 lks. wide, course S. 50° W.
 48.50 Foot of rolling SE. slope, brs. N. 50° E. and S. 60° W. Leave
 level land and scattering timber; enter rolling land.
 51.30 Road from Bisbee to Hereford, Arizona, brs. N. 20° E. and S. 10°
 W.
 80.38 The cor. of secs. 14, 15, and 23, and frac1. sec. 22.
 Land, level and rolling.
 Soil, sandy and gravelly clay loam, about 10 ins. deep, 3rd
 rate.
 Timber, scattering mesquite, along wash.
 Undergrowth, scattering scrub mesquite, greasewood, chapar-
 al and soto.

N. 0° 01' W., bet. secs. 14 and 15.
 Over rolling land, thru scattering undergrowth. Ascend
 gradual SW. slope.
 15.00 Low, gravelly spur, slopes W. Descend gradually, over NW.
 27.99 slope.
 20.90 Wash, 10 lks. wide, course W. Ascend gradually.
 25.00 Low spur, slopes W. Descend gradually.
 27.90 Road, brs. E. and W.
 32.00 Wash, 10 lks. wide, course S. 40° 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,

1/4 S 15 | S 14
1916

68.00 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 69.20 Abandoned railroad, grade or bed, brs. N. 30° W. and S. 30° E.
 80.00 Road brs. N. 30° W. and S. 30° E.
 Set an iron post, 3 ft. long, 2 ins. in diam., 2 3/4 ins. in
 the ground for cor. of secs. 10, 11, 14 and 15, marked
 on brass cap,

T 22 S | R 22 E
S 10 | S 11
S 15 | S 14
1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of
 cor.
 Land, rolling.
 Soil, dry, gravelly and rocky clay loam, 4 to 10 ins. deep,
 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and
 chaparal, 4 to 6 ft. high.
 Poor grass.

N. 89° 45' E., on a random line, bet. secs. 11 and 14.
 40.00 Set temp. 1/4 sec. cor.
 80.36 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 11, 12,
 13 and 14.
 Thence,
 S. 89° 47' W., on a true line, bet. secs. 11 and 14.
 Over rolling land, thru scattering undergrowth.
 40.18 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,

20. Subdivision of fract. Township 22 South, Range 22 East

Chains.

$\frac{1}{4}$ S 11
S 14
1916

80.36

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. The cor. of secs. 10, 11, 14 and 15.
Land, rolling valley, slopes to the west.
Soil, dry, sandy and gravelly clay loam, about 10 ins. deep, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and chaparral, 4 to 6 ft. high.
Poor grass.

10.00

N. $0^{\circ}01'$ W., bet. secs. 10 and 11.
Over rolling land, thru scattering undergrowth.

17.00

Low gravelly spur slopes N. 60° W. Descend.
Wash, 100 lks. wide, course N. 60° W. Ascend.

25.00

Gravelly spur, slopes NW. Descend.

28.60

Wash, 10 lks. wide, course S. 70° W. Ascend.

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,

$\frac{1}{4}$ S10 S11
1916

50.00

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Low, gravelly spur, slopes NW. Descend.

67.80

Wash, 15 lks. wide, course N. 70° W. Ascend.

78.00

Low gravelly spur, slopes W. Descend.

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,

T22S R22E
S 3 S 2
S10 S11
1916

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling, slopes to the W. and SW.
Soil, gravelly and rocky clay loam, 4 to 8 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and chaparral, 3 to 6 ft. high.
Poor grass.

40.00

N. $89^{\circ}47'$ E., on a random line, bet. secs. 2 and 11.
Set temp. $\frac{1}{4}$ sec. cor.

80.42

Intersect N. and S. line, 3 lks. S. of the cor. of secs. 1, 2, 11 and 12.
thence,

6.92

S. $89^{\circ}46'$ W., on a true line, bet. secs. 2 and 11.
Over rolling land, thru scattering undergrowth.

22.12

Road brs. N. 40° W. and S. 40° E.
Wash, 6 lks. wide, 5 ft. deep, course N. 60° W. Ascend gradually, over NE. slope.

40.21

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 2
S 11
1916

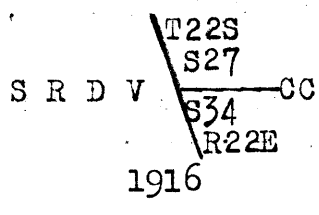
Subdivision of Fract. Township 22 South, Range 22 East 21

Chains.	
80.42	Raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. The cor. of secs. 2, 3, 10 and 11. Land, rolling valley, slopes to the W. Soil, dry, sandy and gravelly loam, 4 to 10 ins. deep, 2nd and 3rd rate. No timber. Undergrowth, scattering scrub mesquite, greasewood and chaparral, 3 to 6 ft. high. Poor grass.
40.00	N. 0° 12' W. on a random line, bet. secs. 2 and 3. Set temp. ¼ sec. cor.
80.98	Intersect N. bdy. of Tp., 42 lks. W. of the original cor. of secs. 2, 3, 34 and 35, a limestone, 6x6x10 ins. above ground, firmly set, marked with 2 notches on E. and 4 notches on W. edge, and witnessed by mound of stone, W. of cor. and 3 bearing trees, SE., SW. and NW. of cor. Thence,
3.50	S. 0° 06' W. on a true line, bet. secs. 2 and 3. Over level land, in bottom of draw, course W.
3.78	A house brs. E., about 20.00 chs. dist. Road, brs. E. and W.
4.75	Wire fence, brs. N. 70° W. and S. 70° E.
7.00	South edge of draw, brs. N. 60° W. and S. 70° E. Leave draw, and level land, and enter rolling land.
21.60	Wash, 20 lks. wide, 6 ft. deep, course N. 60° W.
36.00	Low spur slopes NW. Descend gradually over SW. slope.
40.98	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 3 S 2 1916	
56.28	Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth. Road, brs. E. and W.
72.08	Draw, 300 lks. wide, course W. Ascend gradually.
80.98	The cor. of secs. 2, 3, 10 and 11. Land, level and rolling. Soil, dry, sandy and gravelly loam, 8 to 14 ins. deep, 2nd and 3rd rate. No timber. Undergrowth, scattering scrub mesquite, greasewood and chaparral. Poor grass.
20.00	From cor. of secs. 26 and 35, and fract. secs. 27 and 34, S. 89° 55' W., on a true line, bet. fract. secs. 27 and 34. Over rolling land, thru. scattering undergrowth. Wash, 250 lks. wide, 4 ft. deep, course S. 50° W. Ascend about 6 ft.
29.00	Gravelly spur, slopes SW. Descend about 8 ft.
31.20	Ravine, 8 lks. wide, course S. 30° W. Ascend 10 ft.
35.00	Gravelly spur, slopes SW. Descend.
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,
1/4 S 27 S 34 1916	
42.20	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth. Intersect the bdy. of the San Rafael del Valle private land claim, 8.46 chs. S. 13° 28½' E. from the original 8½ mile monument thereof, hereinbefore described.

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

Chains.

At the point of intersection,
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 27 and 34, marked on brass cap,

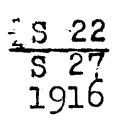


Dig pits 24x18x12 ins. crosswise on each line N.13 $\frac{1}{2}$ °W. and S.13 $\frac{1}{2}$ °E. 3 ft., and E. of post 7 ft. dist., and scatter in the earth.

Land, rolling.
Soil, rocky clay loam, 4 to 8 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering greasewood, chaparal, buck brush, soto and cacti, 4 to 6 ft. high.
Poor grass.

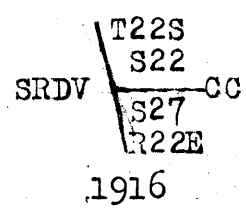
5.00 From cor. of secs. 23 and 26, and fracl. secs. 22 and 27, in draw, 3.00 chs. wide, course S.70°W, S.89° 55'W., on a true line, bet. fracl. secs. 22 and 27. Over level land, thru scattering undergrowth, in draw.
North edge of draw, brs. N.70°E. and S.70°W. Leave draw and level land, and enter rolling land. Ascend gradually over SE. slope.

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,



41.00 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
61.28 Short, low gravelly ridge, brs. NE. and SW. Descend.
Intersect the bdy. of the San Rafael del Valle Private land claim 6.60 chs. S.13° 22' E. from the original 7 $\frac{1}{2}$ mile monument thereof, hereinbefore described.

At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of fracl. secs. 22 and 27, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
Land, level and rolling.
Soil, dry gravelly and rocky clay loam, 4 to 8 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering greasewood, chaparal and buck brush, 3 to 5 ft. high.
Poor grass.

12.50 From cor. of secs. 14, 15, and 23, and fracl. sec. 22, S.89° 55' W. on true line, bet. sec. 15, and fracl. sec. 22. Over rolling land, thru scattering undergrowth. Descend SW. slope.

Road from Bisbee, to Hereford, Arizona, brs. N.10°E. and S.10°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,

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

Chains.

S 15
S 22
1916

55.20 Raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor.
65.00 Wash, 5 lks. wide, 4 ft. deep, course S. 20° W. Ascend 10 ft.
80.00 Gravelly spur, slopes S. 20° W. Descend gradually over NW.
slope.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of sec. 15, and fracl. secs. 16, 21, and
22, marked on brass cap,

T22S | R22E
S16 | S15
S21 | S22
1916

Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling.
Soil, dry, gravelly clay loam 4 to 10 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and
chaparral, 4 to 6 ft. high.
Poor grass.

1.06 S. 0° 02' E. on true line, bet. fracl. secs. 21 and 22.
Over rolling land, thru scattering undergrowth.
Intersect the bdy. of the San Rafael del Valle Private
Land Claim, 5.64 chs. S. 13° 16' E. from the original
6 1/2 mile monument thereof hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for closing cor. of fracl. secs. 21 and
22, marked on brass cap,

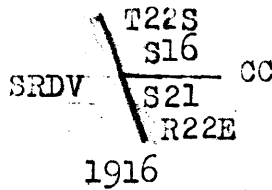
CC
T22S | R22E
S21 | S22
SRDV
1916

Dig pits 24x18x12 ins. crosswise on each line N. 13 1/2° W. and
S. 13 1/2° E. 3 ft., and N. of post 7 ft. dist., and scatter
the earth.
Land, rolling.
Soil, dry, gravelly clay loam, 6 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood, 3 ft.
high.
Poor grass.

.28 From cor. of sec. 15 and fracl. secs. 16, 21, and 22,
S. 89° 55' W., on a true line, bet. fracl. secs. 16 and 21.
Over rolling land, thru scattering undergrowth.
Intersect the bdy. of the San Rafael del Valle Private
Land Claim, 4.44 chs. S. 13° 16' E. from the 6 1/2 mile monu-
ment, thereof hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for closing cor. of fracl. secs. 16 and 21,
marked on brass cap,

24. Subdivision of fracl. Township 22 South, Range 22 East.

Chains.



Dig pits, 24x18x12 ins., crosswise on each line, N.13 1/2°W. and S.13 1/2°E. 3 ft., and E. of post 7 ft. dist., and scatter the earth.

Land, rolling.

Soil, gravelly clay loam about 6 ins. deep, 3rd rate.

No timber.

Undergrowth, scattering scrub mesquite and greasewood, 3 ft. high.

Poor grass.

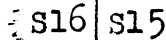
From cor. of sec. 15 and fracl. secs. 16, 21 and 22, N. 0° 02' W., bet. sec. 15 and fracl. sec. 16.

Over rolling land, thru scattering undergrowth.

18.40 Wash, 20 lks. wide, course N. 60° W. Ascend gradually.

34.10 Road brs. N. 60° E. and S. 60° 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,



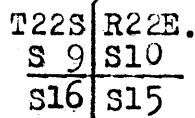
Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.

41.00 Low gravelly spur, slopes SW. Descend about 20 ft.

52.50 Wash, 20 lks. wide, banks 4 ft. high, course W. Ascend about 10 ft.

70.00 Low spur, slopes W. Descend gradually over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10 and 15, and fracl. secs. 9 and 16, marked on brass cap,



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

Land, rolling.

Soil, dry, rocky and gravelly clay loam, 5 to 10 ins. deep, 3rd rate.

No timber.

Undergrowth, scattering scrub mesquite, greasewood, chaparral and buck brush, 4 to 6 ft. high.

Poor grass.

N. 89° 55' E., on a random line, bet. secs. 10 and 15.

40.00 Set temp. sec. cor.

80.08 Intersect N. and S. line 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence,

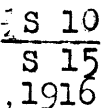
S. 89° 57' W., on a true line, bet. secs. 10 and 15.

Over rolling land, thru scattering undergrowth.

8.08 Abandoned railroad, grade or bed, brs. N. 30° W. and S. 30° E.

Road, same bearing on E. side of same.

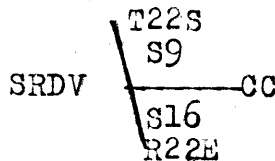
40.04 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap,



Chains.

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of corner.
 57.70 Ravine, 5 lks. wide, 4 ft. deep, course N. 30° W.
 80.08 The cor. of secs. 10 and 15, and fracl. secs. 9 and 16. Land, rolling valley, slopes to the SW. Soil, dry, sandy and gravelly clay loam, 4 to 10 ins. deep, 3rd rate. No timber. Undergrowth, scattering scrub mesquite, greasewood and chaparral, 3 to 6 ft. high. Poor grass.

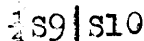
From cor. of secs. 10 and 15, and fracl. secs. 9 and 16, S. 89° 55' W., on a true line, bet. fracl. secs. 9 and 16. Over rolling land, thru. undergrowth.
 19.44 Intersect the boundary of the San Rafael del Valle Private Land Claim, 2.65 chs. S. 13° 31½' E. from the original 5½ mile monument thereof, hereinbefore described. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 9 and 16, marked on brass cap,



1916

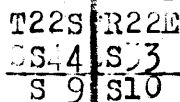
Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of corner.
 Land, rolling.
 Soil, gravelly loam, 9 ins. deep, 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite, greasewood and chaparral, 3 to 6 ft. high.
 Poor grass.

From cor. of secs. 10 and 15, and fracl. secs. 9 and 16, N. 0° 2' W., bet. secs. 10 and fracl. sec. 9. Over rolling land, thru. scattering undergrowth.
 4.30 Wash, 15 lks. wide, course W. Ascend 15 ft. over S. slope.
 34.00 Gravelly spur, slopes W. Descend gradually over N. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1 sec. cor., marked on brass cap,



1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 47.00 Wash, 200 lks. wide, course N. 60° W. Ascend gradually, over SW. slope.
 79.00 Low gravelly spur, slopes N. 60° W. Descend.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 3 and 10, and fracl. secs. 4 and 9, marked on brass cap,



1916

26. Subdivision of fractionals. Township 22 South, Range 22 East.

Chains.

Dig pits, 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and scatter the earth.

Land, rolling, slopes W.

Soil, dry, gravelly clay loam, about 8 ins. deep, 3rd rate.

No timber.

Undergrowth, scattering scrub mesquite, greasewood and chaparral, 4 to 6 ft. high.

Poor grass.

40.00 N. $89^{\circ} 57'$ E., on a random line, between secs. 3 and 10.
Set temp. $\frac{1}{2}$ sec. cor.

80.04 Intersect N. and S line, 3 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence,

S. $89^{\circ} 56'$ W., on a true line, bet. secs. 3 and 10.

Over rolling land, thru. dense undergrowth.

37.05 Wash, 20 lks. wide, 4 ft. deep, course N. 50° W. Ascend gradually, over NE. slope.

40.02 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,

2S 3

S 10

1916

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of corner.

51.05 Road brs. N. 30° W. and S. 20° E.

62.05 Abandoned railroad, grade or bed, brs. N. 30° W. and S. 30° E. Road, same bearing along E. side of same.

80.04 The cor. of secs. 3 and 10, and fracl. secs. 4 and 9.

Land, rolling valley, slopes to the west.

Soil, sandy and gravelly clay loam, about 10 ins. deep, 3rd rate.

No timber.

Undergrowth, dense scrub mesquite, greasewood and chaparral, 3 to 6 ft. high.

No grass.

S. $89^{\circ} 55'$ W., on a true line, bet. fracl. secs. 4 and 9. Over rolling land, thru. scattering undergrowth.

30.65 Wash, 12 lks. wide, course N. 30° W.

38.65 Intersect the boundary of the San Rafael del Valle Private Land Claim, 72 lks. S. $13^{\circ} 33\frac{1}{2}'$ E. from the $4\frac{1}{2}$ mile monument thereof, hereinbefore described.

At the point of intersection,

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

SRDV

222S

S4 CC

S9

R22E

1916

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of corner.

Subdivision of fracl. Township 22 South, Range 22 East. 27

Chains.

Land, rolling.
Soil, gravelly and rocky clay loam, about 10 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and chaparral.
Poor grass.

40.00
80.96

N. 0° 6' E., on a random line, bet. sec. 3 and fracl. sec. 4.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. bdy. of Tp., 18 lks. E. of the original cor. of secs. 3, 4, 33 and 34, a redwood post 3 ins. sq., 14 ins. above ground, firmly set, marked "T21S S34" on NE., "R22 E S3" on SE., "T22S S4" on SW., "R22E S33" on NW. face, and 3 notches on each of E. and W. faces, and witnessed by pits NE., SE., SW. and NW., and mound of earth W. of cor. No bearing trees.

11.00
17.66
17.85
40.96

Thence,
S. 0° 2' E., on a true line, bet. sec. 3 and fracl. sec. 4.
Over rolling land, thru scattering undergrowth.
Low gravelly spur, slopes W. Descend 6 ft. on S. slope.
Road brs. E. and W.
Ravine, 10 lks. wide, course 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,

S4 | S3
1916

61.85
64.75
66.00
69.36
80.96

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.
Abandoned railroad, grade or bed, brs. N. 30° W. and S. 30° E. Road, same bearing on W. side of same.
Wash, 20 lks. wide, 3 ft. deep, course W. Ascend about 6 ft.
Low sandy spur, slopes W. Descend 8 ft.
Wash, 6 lks. wide, 4 ft. deep, course N. 70° W. Ascend gradually over NE. slope.
The cor. of secs. 3 and 10 and fracl. secs. 4 and 9.
Land, rolling.
Soil, dry, sandy and gravelly loam, about 10 ins. deep, 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite, greasewood and chaparral, 4 to 6 ft. high.
Poor grass.

6.43

From the original cor. of sec. 6 and fracl. secs. 5, 31 and 32, on S. bdy. of Tp., hereinbefore described,
N. 0° 03' W., bet. fractional secs. 31 and 32.
Over level land, thru scattering undergrowth.
Intersect the bdy. of the San Rafael del Valle Private Land Claim 16.18 chs. N. 13° 24' W. from the original 17 mile monument thereof, hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 31 and 32, marked on brass cap,

SRDV
S31
T22S
S32
R22E
C C
1916

28 Subdivision of Fractional Township 22 South, Range 22 East.

Chains.

Dig pits, 24x18x12 ins. crosswise on each line, N.13 1/2°W. and S.13 1/2°E., 3 ft., and S. of post 7 ft. dist., and scatter the earth.

Land, level.

Soil, dry, sandy loam, 14 ins. deep, 2nd rate.

No timber.

Undergrowth, scattering scrub mesquite and greasewood.

Good grass.

From the original cor. of secs. 25 and 36, and frac. secs. 30 and 31, on W. bdy. of Tp., an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,

T22S	
R21E	R22E
S25	S30
S36	S31

1911

and witnessed by pits NE., SE., SW. and NW., and mound of earth, W. of cor. No bearing trees.

S. 89° 49' E., on a true line, bet. frac. secs. 30 and 31. Over rolling land, thru. scattering undergrowth.

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 30
S 31

1916

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

61.43

Intersect the bdy. of the San Rafael del Valle Private Land Claim, 11.65 chs. N.13° 25' W. from the 18 mile monument thereof, hereinbefore described.

At the point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of frac. secs. 30 and 31, marked on brass cap,

T22S	
CC	S30
SRDV	
S31	
R22E	

1916

Dig pits 24x18x12 ins., crosswise on each line N.13 1/2°W. and S.13 1/2°E., 3 ft., and W. of post 7 ft. dist., and scatter the earth.

Land, rolling, slopes to the east.

Soil, dry, sandy loam, about 13 ins. deep, 2nd rate.

No timber.

Undergrowth, scattering scrub mesquite and greasewood.

Poor grass.

From the original cor. of secs. 24 and 25, and frac. secs. 19 and 30 on W. bdy. of Tp., an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,

T22S	
R21E	R22E
S24	S19
S25	S30

1911

Subdivision of Tract Township 22 South, Range 22 East. 29

Chains.

.45
40.00

and witnessed by pits NE., SE., SW. and NW., and mound of earth, W. of cor. No bearing trees.
S. 89° 49' E., on a true line, bet. fracl. secs. 19 and 30.
Over rolling land, thru scattering undergrowth.
Wire fence brs. N. and S.
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,

T22S
S19
S30
1916

41.94

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.
Intersect the bdy. of the San Rafael del Valle Private Land Claim, 13.95 chs. N. 13° 28' W. from the original 19 mile monument thereof, hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 19 and 30, marked on brass cap,

T22S
S19
CC — SRDV
S30
R22E
1916

Dig pits, 24x18x12 ins., crosswise on each line, N. 13½° W. and S. 13½° E. 3 ft. and W. of post, 7 ft. dist., and scatter the earth.
Land, rolling, slopes to the east.
Soil, sandy clay loam, about 12 ins. deep, 2nd rate.
Timber, scattering mesquite.

From the original cor. of secs. 13 and 24, and fracl. secs. 18 and 19, on W. bdy. of Tp., an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,

T22S
R21E | R22 E
S13 | S18
S24 | S19
1916

22.45

and witnessed by pits, NE., SE., SW. and NW., and mound of earth W. of cor.
No bearing trees.
Thence,
S. 89° 49' E., on a true line, bet. fractional secs. 18 and 19.
Over rolling land, thru scattering undergrowth.
Intersect the Bdy. of the San Rafael del Valle Private Land Claim, 16.14 chs. N. 13° 29' W. from the original 20 mile monument thereof, hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 18 and 19, marked on brass cap,

T22S
S18
CC — SRDV
S19
R22E
1916

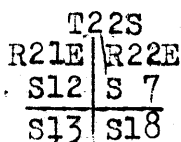
Dig pits, 24x18x12 ins., crosswise on each line N. 13½° W.

30 Subdivision of fracl. Township 22 South, Range 22 East

Chains

and S. $13\frac{1}{2}^{\circ}$ E. 3 ft. and W. of post, 7 ft. dist., and scatter the earth.
 Land, rolling, slopes to the east.
 Soil, dry, sandy loam, 12 ins. deep, 2nd rate.
 Timber, scattering mesquite.
 Undergrowth, scattering scrub mesquite and greasewood, 4 to 6 ft. high.
 Poor grass.

From the original cor. of sec. 13, and fracl. secs. 7, 12, and 18, on W. bdy. of Tp., an iron post, 3 ins. in diam., 10 ins. above ground, firmly set, marked on brass cap,



1911

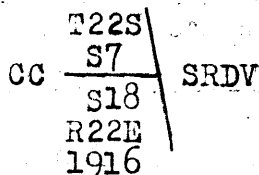
and witnessed by pits NE., NW., SW. and NW., and mound of earth, W. of cor. No bearing trees,

Thence, S. $89^{\circ} 49'$ E., on a true line, bet. fracl. secs. 7 and 18. Over level land, thru. scattering undergrowth.

3.18 Intersect bdy. of the San Rafael del Valle, Private Land Claim, 18.23 chs. N. $13^{\circ} 31\frac{1}{2}'$ W. from the original 21 mile monument thereof, hereinbefore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of fracl. secs. 7 and 18, marked on brass cap,



Dig pits 24x18x12 ins., crosswise on each line N. $13\frac{1}{2}^{\circ}$ W. and S. $13\frac{1}{2}^{\circ}$ E. 3 ft., and W. of post 7 ft. dist., and scatter the earth.

Land, level valley, slopes to the east.

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

No timber.

Undergrowth, scattering scrub mesquite and greasewood, 4 to 6 ft. high.

GENERAL DESCRIPTION.

This town is situated in the southeastern part of the State of Arizona, about 9 miles N. from the U.S.-Mexico Bdy., and about 12 miles NW. from the border town of Naco, Arizona. The township is rendered fractional by the San Rafael del Valle Private Land claim, bearing NW. and SE., thru. the west central part of the township, segregating about 10,100 acres from the total area of a full township, and creating fractional portions of public land in the township both east and west of said claims. The San Pedro river (dry), course NW., passes thru. the middle of the S.R.D.V. claim, and the entire township consists of rolling surface in the valley of said river. The drainage into the river is thru. dry washes, draws, and ravines, there being no permanent natural running water in the township. Except the San Pedro river, the only watercourse bearing a name is the Tombstone Wash, course westerly thru. the central portion of that part of the township lying east of the S.R.D.V. claims.

Chains.

The soil of most of the land is a sandy and gravelly clay loam, 2nd and 3rd rate, underlaid at a depth ranging from a few inches to several feet, with an impervious limestone formation.

There is no timber, except along the San Pedro river and Tombstone wash, where a scattering growth of mesquite, walnut and hackberry exists.

A scattering growth of scrub mesquite, greasewood, and numerous other varieties of undergrowth is prevalent in all parts.

There is good grass in some portions, but the greater part of the surface has a poor growth of grass, which affords only fair grazing facilities.

There is only one settler residing in the portion of the township subdivided, being Robert Coughran in the SE. $\frac{1}{4}$ of sec. 35, his improvements consisting of house, well, windmill, fences and cultivated land.

A tent house unoccupied, and a well adjoining same, is located in the SE. $\frac{1}{4}$ of sec. 22.

The El Paso and Southwestern R.R. brs. NW. and SE. along the San Pedro river, within the San Rafael del Valle Private Land Claim.

An abandoned road bed or grade of same railroad company brs. NW. and SE., thru the surveyed portion of the township lying east of the San Rafael del Valle Private Land Claim. There is no evidence of the existence of valuable minerals in the township.

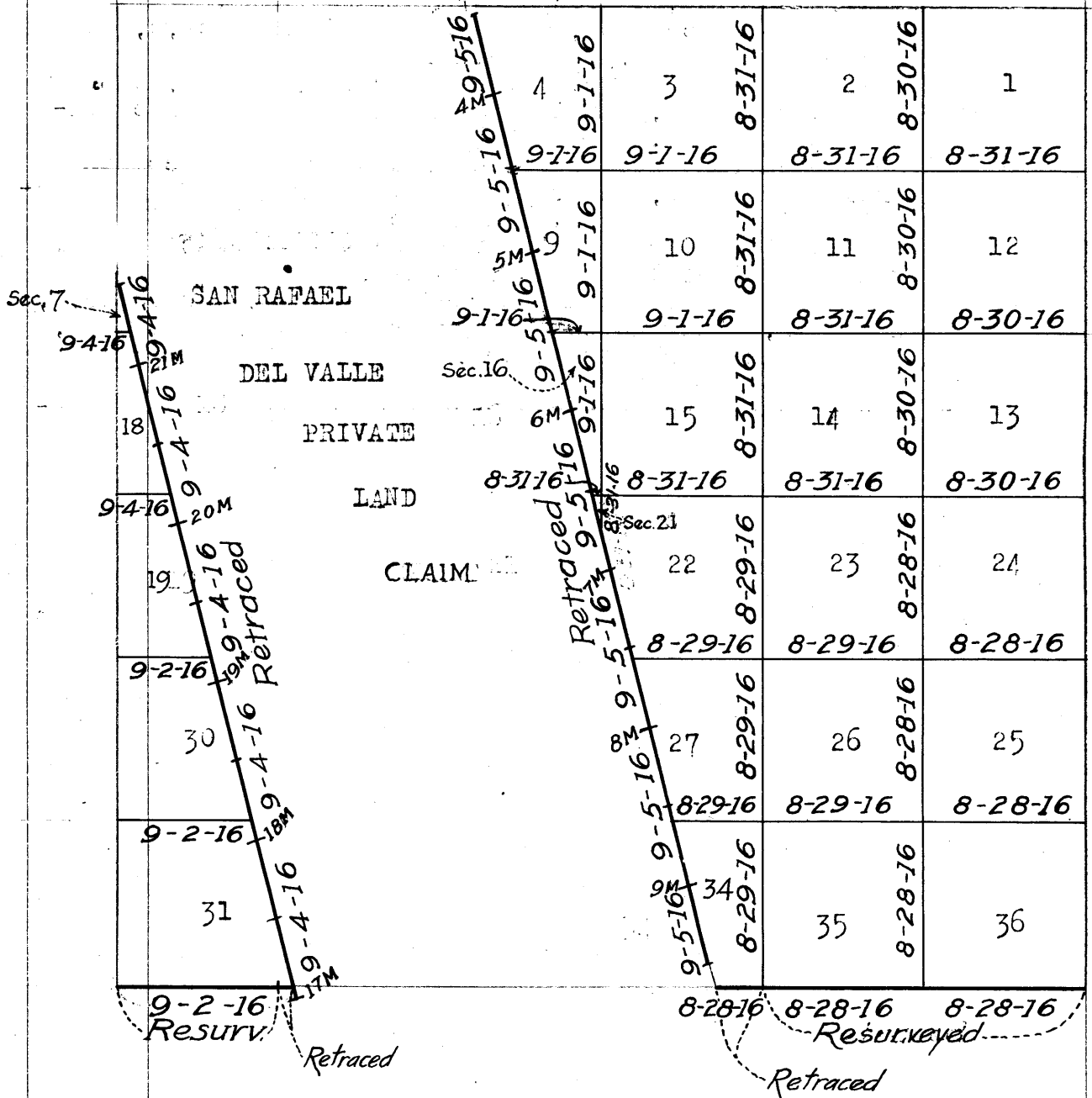
A telephone line follows the road NW. and SE. thru secs. 1, 2 and 12, the road extending northwesterly to Tucson, and southeasterly to Bisbee.

Fractional T. 22 S., R. 22 E.

Date Diagram.

Group 64 - - - Arizona.

Book "H"



CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 3306

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, re-surveyed all those parts or portions of the South bdy. of Fracl. Township 22 South, Range 22 East, and Retraced all those parts or portions of the South bdy. of Fracl. Township 22 South, Range 22 East, and Boundary of the San Rafael del Valle Private Land Claim, and re-surveyed all those parts or portions of the Subdivision of Fracl. Township 22 South, Range 22 East, of the Gila and Salt River Base & Meridian, in the State of Arizona, and by diagram on page 32 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of said resurvey, retracement and 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, resurvey, retracement, and survey.

Sidney E. Blout
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz., JUN 10, 1919

The foregoing field notes of the re-survey of part of South bdy. of Fracl. Township 22 South, Range 22 East, and Retracement of parts of South bdy. of fracl. Township 22 South, Range 22 East, and Boundary of the San Rafael del Valle Private Land Claim, and Survey of Subdivision of Fracl. Township 22 South, Range 22 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 Grp. 64, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys retracements and surveys they describe, are hereby approved.

Frank A. Frost
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.