Book A
West, North and South Bor's. T. R. S., R. 23 W. 2.
and
Sectional Guide Meridian
through
T. R. S., R. 23, W.

1621

4-671

FIELD NOTES

GENERAL LAND OFFICE.

1621 BOOK 1621 1

Field Notes
of the Survey of the
Exterior Boundries
of
Township No 2 South,
Range No. 23 west,
of the
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
John A. Barry,
U. S. Deputy Surveyor
Under his contract, No. 84,
Dated July 13, 1901.

Survey Commenced March 16, 1902
Survey Completed April 9, 1902

BOOK 1621

Names and Duties of Assistants

C. Hamilton Chainman

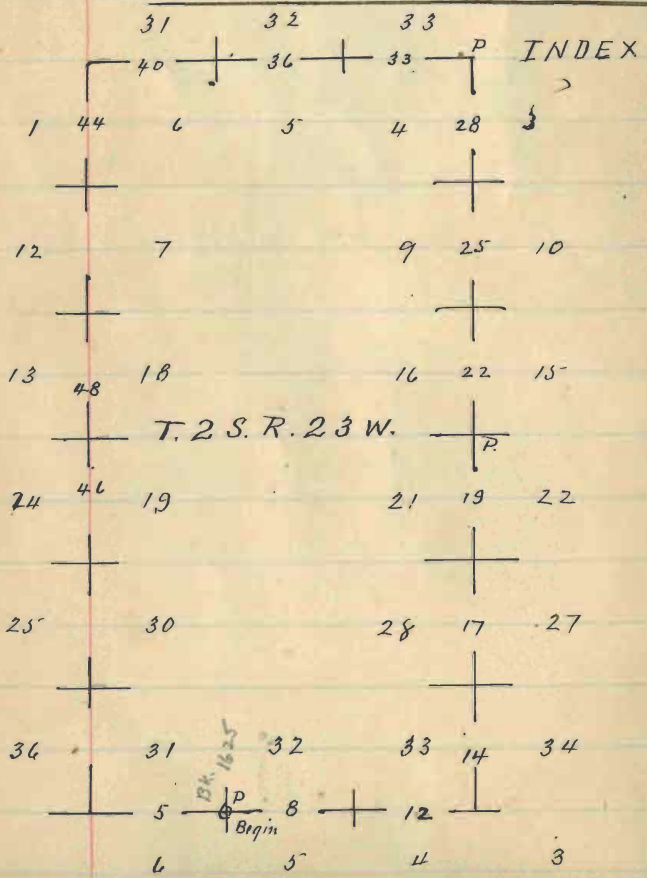
Alonzo Lopez. Chainman

A. W. Frankenberg Axeman.

Alturo Lopez Flagman.

1621

BOOK 1621



South boundary of T. 29 S., R. 23 W.

Chains.

Survey commenced March 16- 1902 and executed with the Young and Sons transit No. 5787, in Book before described; at the cor. of W Bdy T. 28 S R 23 W.
secs. 5, 6, 31, and 32, Tps. 2 and 3 S. R. 23 W., latitude 33° 12' N., longitude 114° 37' W.
At 7h 37m p.m. I observe Polaris at western elongation, in accordance with manual of instructions, and mark a point on the line thus determined, 5.00 chs. N. of my station.

March 16- 1902.

March 17-1902; at 7 a.m., l.m.t., I lay off the azimuth of

South boundary of T. 29.

Chains.

Polaris 1° 27', to the east and mark the true meridian thus determined, by stake set in ground, east of the point established last night; the magnetic bearing of said true meridian is N. 14° 3' W., which reduced by the table on page 100 of the manual, gives the mean magnetic declination, 14° 00' east. I begin at the cor. of secs. 5, 6, 31, and 32, which I established March 15- 1902.

Thence I run West bet. secs. 6 and 31 Down wash valley in the palo verde and palo fierro timber.

26.00 Leave the valley and timber,

R. 23 W. - continued.

Chains.

bear N. 75° E. and S. 75° W.; begin ascent

27.50 Top of ascent and edge of mesa, 25 ft. above the valley, bears N. 75° E., and S. 75° W.; thence over mesa.

37.00 Road to Yuma, bears N. and S.

39.00 To edge of mesa, bears S. 65° E. and N. 65° W.; as the point at 40 chs. for 1/4 sec. cor., will fall on precipitous slope not a secure place for a monument. Here set a mal pais stone, 18 x 15 x 7 ins.; 12 ins. in the ground, for witness to 1/4 sec. cor., marked W.C. 1/4 on N. face; from which A palo verde 10 ins. diam., bears S. 1° E., 186 lks. dist., marked 1/4 S. 6, W.C.B.T.; no other tree within limits; raised a mound of stone, 4 ft. base, 2 ft. high,

South boundary of T. 2 S.

Chains.	
	N. of cor., Pt to impracticable. Descend.
40.00	The point for 1/4 sec. cor. on steep S.W. slope.
41.00	Foot of descent 30 ft. below mesa, enter valley, bears S. 65° E. and N. 65° W.; thence in valley.
47.75	Top edge of upland on bank 10 ft. high, bears N. and S.; at left edge of slough (now dry), 2.00 chs. wide, 6 ft. deep, course S.; thence over sandy bottom land subject to overflow 2 to 4 ft. deep; through dense undergrowth of young willow
75.00	To left bank of Colorado River. course south. Set a mesquite post, 3 ft. long, 4 ins. sq., 24 ins. in the ground, with marked stone

R. 23 W. - continued.

Chains.

for meander cor. of fracl. secs. 6 and 31, marked M.C. on W., R. 23 W., S. 6, S. ~~32~~ 31, on E. T. 2 S., on N., and T. 3 S., on S. faces; dug a pit 36 x 36 x 12 ins., 8 ft. E. of post; and raised a mound of earth 4 ft. base, 2 ft. high, E of cor. Land, mesa, and valley. Soil gravelly; 2nd rate. Timber, palo verde, palo fierro, and mesquite. Heavily timbered land 2650 chs.

At the cor. of secs. 5, 6, 31, and 32; I lay off from the true meridian, an angle of 90°, from

South boundary of T. 2 S.

Chains.

north to east, and run East on the tangent, S. of sec. 32. On wash valley, through palo verde and palo fierro timber; parallel with, and dist. N. 2.00 chs. from base of mesa.

16.29 A palo verde, 8 ins. diam., on line, 9 mark with 2 notches on E. and W. faces.

32.00 Mouth of ravine 1.00 ch. wide course N. E.; leave valley and heavy timber, bears N. 60° E., and S. 75° W. thence on undulating mesa, parallel with, and dist. 1.00 ch. N. of the ravine.

40.00 N. 0.11 ft. from tangent, Set a malpais stone, 22 x 9 x 7 ins., 15 ins. in the ground, for 1/4 sec. cor.; marked 1/4 on N. face;

R. 23 W. - continued.

Chains	
	from which
	A palo fierro 6 ins. diam., bears S. 51° E., 227 lks. dist., marked 1/4 S. 5 B.T.
	A palo fierro 6 ins. diam., bears S. 60° W. 140 lks. dist., marked 1/4 S. 5 B.T.
	No tree north of line within limits; raised a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
57.00	Base of mountains; bear N. 55° E. and S. 35° W.; leave mesa and ascend.
63.60	Top of spur 150 ft. above mesa bears N.; thence along N. slope.
69.00	Descend rapidly 200 ft.
75.00	Creek (now dry) 30 lks. wide, course N. W., ascend steep.

South Boundary of T. 29.

Chains.

80.00 N. 0.43 ft. from the tangent,
Set a malpais stone, 18x8x6 ins.,
12 ins. in the ground, for cor.
of secs. 4, 5, 32, and 33, marked
with 4 notches on E., and 2
notches on W. edges; and
raised a mound of stone,
4 ft. base, 2 ft. high,
W. of cor. Pits impracticable.
This cor. stands on steep rocky
S. face of mountain about
300 ft. above cor. of secs. 5, 6, 31,
and 32.
Land, valley and mountainous.
Soil, stony; 3rd and 4th rate.
Timber, palo verde and palo fierro.
Mountainous and heavily
timbered land 80.00 chs.

R. 23 W. - Continued

Chains.	
	S 89° 59' E. on the tangent, S. of sec. 33.
	Ascending rocky mountain.
2.70	Top of high spur, trending S. W., Peak of mountain bears N. E. 20 lks; descend.
9.00	Depression, course S. W.; ascend.
22.00	Top of ridge, in saddle, bears N. 60° W. and S. 60° E.; descend.
32.00	Head of gulch, course N. 25° W.; ascend.
37.00	Top of detached hill, descend.
40.00	N. 1.00 ft. from the tangent, Set a malpais stone 24 x 10 x 6 ins; 18 ins. in the ground, for 1/4 sec. cor.; marked 1/4 on N. face; and raised a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

South Boundary of T. 2 S.

Chains.	
	Pits impracticable.
	Thence hilly.
49.50	Top of low hill.
56.00	Gulch 10 lks. wide, course S. 5.00 chs. to ravine.
59.50	Gulch 20 lks. wide, course S.W. 6.00 chs. to ravine.
61.85	Top of low hill.
65.00	Touch N. edge of ravine 1.00 ch. wide; comes from N. 72° E, and runs S. 54° W.; and ascend very rugged mountain.
79.30	Top of high sharp spur 500 ft. above ravine, that trends S. N. 1.75 ft from tangent. Set a malpais stone, 16 x 8 x 6 ins., 11 ins. in the ground for witness cor. to cor. of secs. 3, 4, 33, and 34, marked W.C.

R. 23 W. - continued.

Chains.

and 3 notches on E. and W. edges; and raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor.,
Pits impracticable.
Descend precipitous.

80.00 N. 1.75 ft ~~from tangent~~; the true point for cor. of secs. 3, 4, 33, and 34, about 450 ft. above ravine, and on precipitous E. face of mountain; not a suitable or secure place for a monument.
Land mountainous.
Soil rocky; 4th rate.
No timber.
Mountainous land 80.00 chs.
March 17, 1902

Note - the cor. to secs. 3, 4, 33 and 34

Sectional Guide Meridian

Chains	
	falls in position, from which it is not practicable to observe Polaris. From Cor. point N. 0° 2' W. on sectional guide meridian bet. secs. 33 and 34:
	Ascending mountain
6.00	Top of mountain about 150 ft. above sec. cor. descend.
10.40	Gulch 10 lks. wide, course W., ascend.
21.33	Top of high spur, trends S. E., thence along E. face of mountain.
29.00	Top of mountain; descend.
40.00	Head of hollow, course W. Set a malpais stone, 18 x 10 x 8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raised a mound

Through T. 2 S., R. 23 W. continued

Chains	
	of stone, 4 ft. base, 2 ft. high, W. of cor. Pits impracticable. Ascend rugged mountain.
49.60	Top of mountain about 800 ft. above plain, on the N. W. part of sec. 33,
52.20	Descend.
58.00	Descend rapidly.
69.00	Ravine 100 ch. wide, 750 ft. below tops of mountain, course W.; ascend.
80.00	Set a malpais stone, 18 x 8 x 6 ins., 12 ins. in the ground for cor. of secs. 27, 28, 33, and 34; marked with 1 notch on S. and 3 notches on E. sides; and raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor. Pits impracticable.

Sectional Guide Meridian

Chains.

This cor. stands on S. slope about 250 ft. above ravine.
Land, rugged mountains.
Soil, rocky; 4th rate.
No timber.

N. 0° 2' W. on sectional guide meridian, bet. secs. 27 and 28;
Ascending.

10.00 Top of ridge 300 ft. above sec. cor., bears E. and W.; descend.

18.30 Gulch 10 lks. wide, course W.; ascend.

24.40 Top of ridge about 300 ft. above sec. cor. bears E. and W.; descend.

40.00 Set a malpais stone, 24x10x6 ins., 18 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which

Through T. 23., R. 23 W.-continued

Chains.	
	A palo fierro, 8 ins. diam., bears N. 27° W., 135 lks. dist., marked 1/4 S. 28 B.T.; no other tree within limits; raised a mound of stone 4 ft. base, 2 ft. high, W. of cor. Pits impracticable This 1/4 sec. cor. stands on steep N.W. slope, 100 ft. above mesa on the north.
43.00	Head of ravine 1.00 ch. wide, course N.W.; at foot of mountains bearing N.E. and N.W.; thence over mesa.
53.00	Ravine 1.00 ch. wide 30 ft. deep, course W.
74.00	Ravine 2.00 chs. wide, 30 ft. deep, course W.
80.00	Set a malpais stone, 24x10x5 ins.; 18 ins. in the ground,

Sectional Guide Meridian

Chains.

for cor. of secs. 21, 22, 27, and 28, marked with 2 notches on S. and 3 notches on E. edges; from which A palo verde 6 ins. diam., bears N. 65° W., 262 lks. dist., marked T. 2 S., R. 23 W., S. 21 B.T.; No other tree in limits; raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor. Pits impracticable. Sand mountainous and mesa. Soil, rocky; 4th and 2nd rate. Timber palo verde and palo fierro in ravines.

Mountainous land 43.00 chs.

N. 0° 2' W. On sectional guide meridian, bet. secs. 21 and 22. On high mesa.

Through T. 2 S., R. 23 W.-continued.

Chains.	
5.20	Edge of mesa bears E. and W.; begin descent.
6.00	Foot of descent 20 ft. below, bears E. and W.; thence over lower mesa.
17.50	Ravine 300 chs. wide, 15 ft. deep course W.
35.70	Begin descent.
40.00	Set a malpais stone, 24×6×5 ins.; 18 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; from which A palo verde, 5 ins. diam., bears N. 15° E., 95 lks. dist., marked 1/4 S. 22 B. T. A palo verde, 7 ins. diam., bears N. 23° W. 105 lks. dist., marked 1/4 S. 21 B. T. I raised a mound of stone,

Sectional Guide Meridian

Chains.	
	4 ft. base, 2 ft. high, W. of cor. This 1/4 sec. cor. stands on low point, that trends N.; and 30 ft. below sec. cor.
41.00	Ravine 1.00 ch. wide 15 ft. deep, comes from S.W., and runs S.E.; foot of descent, thence on rolling or foot hills.
49.50	Top of spur trending W.
64.00	Gulch 20 lks. wide, course W.
67.80	Top of spur trending W.
77.55	Top of spur trending W.
79.75	Top of spur trending W.
80.00	Set a malpais stone, 22 x 10 x 5 ins., 17 ins. in the ground, for cor. of secs. 15, 16, 21, and 22. marked T. 2 S. on N.E., and 23 W. on S.E. faces; with 3 notches on S. and E. edges;

Through T. 2 S., R. 23 W. continued.

Chains.

and raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Pits impracticable.

Land, rolling and mesa.

Soil, gravelly; 2nd rate

Timber in ravine only, palo verde, and palo fierro.

March, 18, 1902

Note - from cor. of secs. 15, 16, 21, and 22, I determine true meridian from observation on Polaris, and check and find correct, the alinement of line as ran to this cor.

N. 0° 2' W. On sectional guide meridian bet secs. 15 and 16

On rolling or foot hill

Sectional Guide Meridian

Chains.	Lands.
5.00	Gulch 10 lks. wide, course W; ascend.
9.90	Top of spur that trends W.; descend.
18.00	Ravine 2 chs. wide, 20 ft. deep, course S.W.; thence over mesa.
37.50	Point at W. base of mountains, bearing S. E. and N. 15° W.; leave mesa; descend.
40.00	Set a malpais stone 18 x 8 x 6 ins., 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; from which A palo fierro, 5 ins. diam., bears N. 35° W., 76 lks. dist., marked 1/4 S. 16 B.T.; No other tree within limits; raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Through T. 2 S., R. 23 W.-continued.

Chains.	
	Pits impracticable
	Thence on W. slope of hills.
40.50	Gulch 10 lks. wide, course N. W.; ascend.
43.70	Top of spur, bears W. descend.
49.00	Foot of descent; bears W., thence ascend.
55.30	Top of spur; bears W.; descend
62.00	Head of gulch 10 lks. wide; course W.; ascend.
70.00	Top of hill; descend.
76.00	Gulch 10 lks. wide, course W.; ascend.
80.00	Set a malpais stone, 24x8x6 ins.; 18 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, marked with 4 notches on S. and 3 notches on E. edges; and raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Sectional Guide Meridian

Chains.

Pits impracticable.
This cor. stands on stony ground sloping S.
Land, level, and mountainous.
Soil, stony; 3rd and 4th rate.
Timber in ravine and gulches only, of pals verde and pals fierro.
Mountainous land, 42.50 chs.

N. 0° 2' W. on sectional guide meridian, bet. secs. 9 and 10.
Over hills; ascend.

2.60 Top of hill, bears E. and W.; descend.

5.00 Gulch 10 lks. wide, course W.; ascend.

9.40 Top of spur, trends W., about 15 chs. to mesa; descend.

Through T. 2 S., R. 23 W. - continued.

Chains.	
17.00	Gulch 20 lks. wide, course W.; ascend.
24.50	Top of spur, trends W., about 10 chs. to mesa; descend.
30.00	Gulch 40 lks. wide, course W.;
34.50	Top of spur trends W.; descend.
39.00	Gulch 10 lks. wide, course S.W.; ascend.
40.00	Set a malpais stone, 16 x 8 x 6 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
42.60	Top of spur, trends W., 5 chs. to mesa. descend.
47.00	Base of hills, bears E. and W. thence over east end of mesa.

Sectional Guide Meridian

Chains	
53.50	Edge of mesa bears E. and W., descend.
56.00	Ravine 1.00 ch. wide, 30 ft. deep, course W. at base of hills, bearing E. and N.W.; ascend.
65.60	Top of spur, bears W. descend.
69.00	Depression, course W. slope of mountain, ascend.
73.70	High hill and rock mound: descend.
79.00	Gulch, 10 lks. wide, course W.; ascend
80.00	Set a malpais stone, 20×12×5 ins., 15 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, marked with 5 notches on S. and 3 notches on E. edges; and raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor. This cor. stands about

Through T. 2 S., R. 23 W. - continued.

Chains.	
	150 ft. above mesa, on S. slope of spur.
	Land, mesa and rugged hills.
	Soil, rocky; 4th rate.
	No timber.
	Mountainous land 73.50 chs.

N. 0° 2' W. on sectional guide meridian, bet. secs. 3 and 4.

Over hills; ascend.

1.10	Top of spur trending S. W.; thence along west slope.
12.90	Top of spur, trending W.
20.00	Gulch, 10 lks. wide, course W.
25.00	Leave hills, bearing N. 40° E. and S. 40° W.; thence over mesa.
33.00	Ravine 3.00 chs. wide, 40 ft. deep, course W. about 1½ chs., then turns S. W.

BOOK 1621

Sectional Guide Meridian

Chains.	
	Note- at point dist. east about 600 chs. is junction of ravines, a lateral enters from S.E.; a gulch from the E., and the main ravine comes from the N.
40.00	Set a malpais stone, 18x12x4 ins., 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face; from which A palo verde 8 ins. diam., bears S. 15° W., 96 lks. dist., marked 1/4 S. 4 B.T.; no other tree within limits; raised a mound of stone, 4ft. base, 2ft. high, W. of cor. Pits impracticable.
44.00	To the left bank of ravine, last crossed, course S. 45° E.

Through T. 2 S., R. 23 W. - continued.

Chains.	
	thence along up W. edge of the ravine.
57.00	Leave the left bank of the ravine, bears (up) N. 40° E.
70.00	Road from Hart mill to Hart mine, bears N. 55° E., and S. 55° W.
74.00	Gulch 20 lks. wide, course S.W.
80.00	Set a malpais stone, 32 x 14 x 6 ins. 24 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, Tps. 1 and 2 S. R. 23 W., marked with 3 notches on E. and W. edges, from which A palo verde, 6 ins. diam., bears N. 45° E., 261 lks. dist., marked T. 1 S., R. 23 W., S. 34 B. T. A palo verde, 8 ins. diam., bears S. 83° E., 285 lks. dist., marked

BOOK 1621

Sectional Guide meridian.

Chains.

T. 2 S., R. 23 W., S. 3 B.T. ✓

A palo verde, 4 ins. diam., bears S. 89° W., 145 lks. dist.; marked T. 2 S., R. 23 W., S. 4 B.T. ✓

A palo verde 6 ins. diam., bears N. 68° W., 58 lks. dist., marked T. 1 S., R. 23 W. S. 33 B.T. ✓

I raised a mound of stone, 5 ft. base, 2 ft. high, W. of cor.

This cor. stands on level mesa.

Land, level and mountainous.

Soil, gravelly and rocky;
2nd and 4th rate.

Timber, scattering palo verde on mesa and in ravines.

Mountainous land 2 50.00 chs.

March 19, 1902.

March 19, 1902.

North boundary of T. 2 S., R. 23 W.

Chains.

At the cor. of secs. 3, 4, 33, and 34 Tps. 1 and 2 S., R. 23 W., in latitude 33° 17' N., longitude 114° 36' W.; I observe Polaris at western elongation, at 7h 24' p. m. in accordance with instructions in the manual, and mark the line thus determined, by peg set in ground 4 chs. north of my station. March 20, 1902; at 7 a. m., I turn off the azmith of Polaris 1° 27' to the east and mark the true meridian, for future reference, by peg set east of the mark established last night; the magnetic bearing of said

North boundary of T. 2 S.

Chains

true meridian is N. 14° 3' W., which reduced by table on page 100 of the manual, gives mean magnetic declination 14° 00' east. I lay off from the true meridian, an angle of 90°, from north to west, and on March 26, 1907 run West on the tangent, S. of sec. 33.

Over level mesa

21.70 Descend 40 ft. from mesa bears N. E. and S. W.

24.50 Enter ravine 50 lks. wide, from N. E., thence down same

28.00 Leave the ravine, course S. 6 ½ W., thence along S. slope of mesa.

40.00 N. 0.11 ft. from the tangent. Set a malpais stone, 20 x 8 x 6

R. 23 W.- continued.

Chains.	
	ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which A palo verde 8 ins. diam., bears bears S. 36° E., 270 lks. dist; marked 1/4 S. 4 B. T. ✓
	A palo verde, 4 ins. diam; bears S. 5° W., 210 lks. dist., marked 1/4 S. 4 B. T. ✓
	I raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor. This 1/4 sec. cor. stands on S. slope of mesa, about 40 ft. below sec. cor.
43.25	Top of spur; trends S. W., about 7 chs. to ravine.
49.50	Gulch 50 lks. wide, course S. W., about 2 chs to the ravine
52.00	Top of spur, trends S., 1.00 ch.

North Boundary of T. 2 S.

Chains.

to the ravine,

56.00 Touch N. edge of the ravine, here 2 chs. wide, comes from S. 70° E, and runs S. 65° W.

63.00 Station 2.00 chs N. of the ravine, here 3.00 chs. wide course S. W.

73.00 Top of spur, bears N. E. and S. W.; divide bet. ravines; descend N. W. Slope.

78.00 Foot of descent, 40 ft. below top of spur; at S. edge of ravine 1.00 ch. wide, course (up) N. 65° E., thence down same

80.00 N. 0.44 ft. from the tangent, Set a malpais stone, 24 x 10 x 4 ins. 18 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E., and 2 notches on W. edges;

R. 23 W. - continued.

Chains.

from which
A sahuara plant, 16 ins. diam., 20 ft. high bears S. 75° E., 120 lks. dist.
A palo verde, 4 ins. diam., bears N. 60° E. 49 lks. dist., marked T. 1 S., R. 23 W., S. 33 B.T.
No other tree within limits; raised a mound of stone, 4 ft. base, 2 ft. high, W. of cor.
This cor. stands in ravine, 100 ch. wide.
Sand, level and rolling.
Soil, gravelly; - 2nd rate.
Timber, in ravines only, palo verde and palo fierro.

S. 89° 59' W. on the tangent

North Boundary of T. 2 S.

Chains.

S. of sec. 32

Down ravine, through palo verde and palo fierro timber.

8.50 Mouth of the ravine, at S. edge of lateral valley, bears (tie) N. 54° E., and S. 70° W.; thence down lateral valley.

40.00 N. 1.00 ft from the tangent, Set a malpais stone, 16 x 8 x 7 ins.; 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face; from which A palo fierro, 6 ins. diam., bears S. 61° E., 200 lks. dist., marked 1/4 S. 5 B. T.

A palo fierro 12 ins. diam., bears N. 23° W. 237 lks. dist., marked 1/4 S. 32 B. T.

Raised a mound of stone,

R. 23 W. - continued.

Chains.

4 ft. base, 2 ft. high, N. of cor.
This 1/4 sec. cor. stands at about
center of lateral valley
viz. point at W. terminous
of mesa bears S. 5° E. 14 chs.
and N. 15° W. about 15 chs. to
western point of mesa.
Enter valley of the Colorado
River, called Cibola Valley,
bears N. and S.

50.00 Leave palo verde and palo fierro
timber, bears N. and S., thence
over open sandy lands.

60.00 Enter dense mesquite
timber, bears N. and S.

80.00 N. 1.75 ft. from the tangent
Set a mesquite post, 3 ft. long,
4 ins. sqr., 24 ins. in the
ground, for cor. of secs.

North Boundary of T. 2 S.,

Chains.

5, 6, 31, and 32, marked
T. 1 S., S. 32, on N. E.,
R. 23 W., S. 5, on S. E.,
T. 2 S., S. 6, on S. W. and
S. 31 on N. W. faces; with 5
notches on E. and 1 notch on W.
edges; from which
A mesquite 8 ins. diam., bears
N. 55° E., 43 lks. dist., marked
T. 1 S. R. 23 W., S. 32 B.T.
A mesquite, 10 ins. diam., bears
S. 16° E., 71 lks. dist., marked
T. 2 S., R. 23 W., S. 5 B.T.
A mesquite, 12 ins. diam., bears
S. 20° W., 131 lks. dist., marked
T. 2 S., R. 23 W., S. 6 B.T.
A mesquite, 10 ins. diam., bears
N. 62° W. 80 lks. dist. marked
T. 1 S., R. 23 W., S 31 B.T.

R. 23 W. - continued.

Chains

Land, level.
Soil, gravelly, sandy and loam; 1st and 2nd rate
Timber, mesquite, palo verde, and palo fierro.
Heavily timbered and under-growth land 70.00 chs.

March 26, 1902.

S. 89° 59' W., on the tangent, S. of sec. 31
In Gila Valley through mesquite timber
18.60 Road from Yuma to Ehrenberg course N. 15° W. and S.
19.36 Intersect the E. line of Leo Frankenberg's Desert Land Claim at point dist. S. 26.40 chs. from N. W. cor.,

North Boundary of T. 2 S.

Chains.	
	which is a mesquite post, 1 ft. high, 4 ins. sq. marked "X", Note - said post is at common cor. to desert land claims of Geo. W. Faulkner on the N. E.; Andulf W. Frankenberg, on S. E., Leo Frankenberg, on S. W., and Mulford Winsor on N. W.;
27.00	Depression 100 lks. wide, 5 ft. deep, course S.
39.00	Depression 50 lks. wide, 4 ft. deep. course S. E.
40.00	N. 2.73 ft. from tangent. Set a mesquite post, 3 ft. long, 4 ins. sq., 24 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 31 on N. and 6 on S. faces; from which

R. 23 W. - continued.

Chains.

A mesquite 8 ins. diam., bears N. 70° E., 28 lks. dist., marked 1/4 S. B. T.

A mesquite, 12 ins. diam., bears S. 24° W., 8 lks. dist., marked 1/4 S. B. T.

62.00 Depression 50 lks. wide, 4 ft. deep, course S. 30° E.

78.11 N. 39.4 fl. from the tangent, Set a mesquite post, 4 ft. long, 4 ins. sq., 36 ins. in the ground, for cor. of Tps. 1 and 2 S., Rs. 23 and 24 W., marked T. 1 S., S. 31 on N. E., R. 23 W., S. 6 on S. E., T. 2 S., S. 1 on S. W., and R. 24 W., S. 36 on N. W., faces, with 6 notches on each edge; from which

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North Boundary of T. 2 S.

Chains.

A mesquite, 12 ins. diam., bears N. 47° E., 94 lks. dist.; marked T. 1 S., R. 23 W., S. 31 B. T. ✓

A mesquite, 8 ins. diam, bears S. 40° E., 68 lks. dist., marked T. 2 S., R. 23 W., S. 6 B. T. ✓

A mesquite, 8 ins. diam., bears S. 75° W., 24 lks. dist., marked T. 2 S., R. 24 W., S. 1 B. T. ✓

A mesquite, 8 ins. diam., bears N. 47° W., 17 lks. dist., marked T. 1 S., R. 24 W., S. 36 B. T. ✓

Sand, level.

Soil, loam; 1st rate.

Timber, mesquite.

Heavily timbered and dense undergrowth. ~~80.00~~ 78.11 chs.

March 27, 1902

R. 23 W. - continued.

Chains.

West bdy. of T. 23 S. R. 23 W.

I begin at the cor. of Tps. 1 and 2 S., Rs. 23 and 24 W., which I established this March 27, 1902.

Thence I run South bet. secs. 1 and 6 In valley through dense mesquite timber.

40.00 Set a mesquite post, 3 ft. long, 4 ins. sq; 24 ins. in the ground, for 1/4 sec. cor., marked 1/4 S. 1 on W. face; 6 on E. face; from which

A mesquite, 14 ins. diam., bears S. 25° E. 44 lks. dist., marked 1/4 S. B. T.

A mesquite, 10 ins. diam., bears S. 75° W. 52 lks. dist., marked

North Boundary of T. 2 S.

Chains.

1/4 S., B.T.

45.00 Dense undergrowth arrow-wood in mesquite and torrea, thence subject to overflow 2 to 4 ft. deep.

69.00 Cottonwood with mesquite and torrea bears N.W. and S.E.

65.50 To left and E. bank of Colorado River; bank 10 ft. high.

Set an Alumo post, 3 ft. lng, 6 ins. sqr. 24 ins. in the ground, for meander cor. of fracl. secs. 1 and 6 marked

M.C. on S.,

T. 2 S. on N.,

R. 23 W., S. 6 on E., and

R. 24 W., S. 1 on W. face;

from which

A cottonwood, 12 ins. diam., bears

R. 23 W.- continued.

Chains

E. 7 lks. dist. marked
T. 2 S., R. 23 W., S. 6, M. C. B. T.
A cottonwood 14 ins. diam., bears
N. 24° W., 75 lks., dist., marked
T. 2 S., R. 24 W., S. 1, M. C. B. T.
Land, level,
Soil, loam; 1st. rate.
Timber, mesquite, tornco,
cottonwood, and arrow-wood.
Heavily timbered 65.50 chs.

March 27, 1902

April 9, 1902

From the cor. to secs.
13, 18, 19, and 24, I ran
South bet. secs 19, and 24.
Over level bottom land,
In dense undergrowth.
25.00 A willow 8 ins. diam., on line,
I mark with 2 notches on N.

West Boundary of T. 2 S.

Chains

and S. sides

40.00 Set a willow post, 3 ft. long, 4 ins. sq., 24 ins. in the ground, with marked stone for 1/4 sec. cor., marked 1/4 S. 24 on W. face; 19 on E. face; dug pits 18 x 18 x 12 ins., N. and S. of cor., 3 ft. dist; and raised a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

In brush and small willow, none suitable for bearing trees.

50.00 To left bank of Colorado River, Set a mesquite post, 3 ft. long, 4 ins. sq., 24 ins. in the ground, with marked stone for meander cor. of fracl. secs., 19 and 24 marked M.C. on S. T. 2 S. on N.

R. 23 W., - continued

Chains.

R. 24. W. S. 24 on W. and
R. 23 W., S. 19 on E. faces, dug
pit, 36 x 36 x 12 ins.; 8 ft.
N. of post; and raised a mound
of earth, 4 ft. base, 2 ft. high
N. of cor.
Land, level.
Soil, sandy loam; 1st rate.
Timber, willow, cottonwood,
and arrow-wood brush.
Dense undergrowth. 5 0.00 chs.

From the cor. of secs. 13, 18, 19,
and 24
Run
North bet. secs. 13 and 18.
Over level land, through arrow-
wood brush.

West Boundary of T. 2 S.

Chains.	
3.00	Change from arrow-wood to willow, bears E. and W.
40.00	Set a willow post, 3 ft. long, 5 ins. sq., 24 ins. in the ground, with mkd. stone for 1/4 sec. cor.; marked 1/4 S., 13 on W. face; 18 on E. face; dug pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist., and raised a mound of earth, 3½ ft. base 1½ ft. high, W. of cor. No trees within limits of size suitable for bearing trees
51.00	Enter cottonwood and arrow-wood, bears N.W. and S.E.
71.10	To left bank of Colorado River Set a willow post, 3 ft. long, 5 ins. sq., 24 ins. in the ground, for meander cor. of fract. sec.

R. 23 W. - continued.

Chains.

13 and 18 marked
M. C. on N.,
T. 2 S. on S.,
R. 23 W., S. 18 on E. and
R. 24 W., S. 13 on W. faces;
from which
A cottonwood, 10 ins. diam., bears
S. 35° E., 37 lks. dist., marked
T. 2 S., R. 23 W., S. 18, M. C. B. T. ✓
A cottonwood, 10 ins. diam., bears
S. 4° W. 30 lks. dist., marked
T. 2 S. R. 24 W., S. 13, M. C. B. T. ✓
Sand, level.
Soil, sandy, loam;
1st and 2nd rate.
Timber cottonwood, willow, and
arrow-wood.
Dense undergrowth 23.10 chs.

April 9, 1902

Boundaries of T. 2 S. R. 23 W

Latitudes, departures and closing errors

Line designated	True bearings	Distance	Latitudes N	Latitudes S	Departures E	Departures W.
		Chs.	Chs.	Chs.	Chs.	Chs.
S. bdy. T. 2 S. R. 23 W	East	160.00			160.00	
E. bdy. (sectional Guide Mer.)	N 0° 2' W	480.00	480.00			0.28
N. bdy T. 2 S. R. 23 W.	West	160.00				160.00
W. bdy. by sec. lines	S. 0 3 E.	480.00		480.00	0.42	
~~Convergency~~ Error in departure						.14
Totals.			480.00	480.00	160.42	160.42

General Description

This the fractional west half of the township is mountainous in its south-eastern part; rolling mesas adjacent to the mountains; level valley in the north-western part, covered with mesquite and other timbers; fertile when irrigated. The township is watered by the Colorado River on its west. The township should be subdivided.

John A. Barry
U.S. Deputy Surveyor.

Office of U. S. Surveyor General,

Phoenix, Arizona.
Nov. 3 - 1903

The foregoing field notes of the survey of the West, North and South bdys. of T. 2 S., R. 22 W.

Gila and Salt River Base and Meridian, Arizona, executed by Jno. A. Barry U. S. Deputy Surveyor, under Contract No. 84 dated July 13 - 1901, having been critically examined, the necessary corrections and explanations made, the said field notes and surveys they describe are hereby approved.

Frank D. Ingalls
U. S. Surveyor General
for the District of Arizona.