Aux. Base Line & Subdivisions T. 24 S. R 14 E.
P. CONTZEN — CONTRACT 55

No. 987   BOOK   987

Subdivisions

4–671

FIELD NOTES
GENERAL LAND OFFICE.

Tp. 24 S, R. 14 E.

No. 987

Field Notes

of the

Auxiliary Base Line

bet. secs. 13 - 24, 14 - 23; 15 - 22;

16 - 21; 17 - 20, and 18 - 19.   and

Subdivision Lines

of the Fractional

Township No 24 S. Range

No 14. E.

of the

Gila and Salt River Base and Meridian

in the

Territory of Arizona

as surveyed by

Philip Contzen

U. S. Deputy Surveyor

under his contract No 55

Dated ~~July~~ June 23, 1899 and Special
Instructions, dated Jun. 5. 1900

Survey commenced Jan. 25, 1900

Survey completed Feb. 5. 1900

2.

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BOOK 987
BOOK 988

(4—674.)

F. Township 24.S   R. 14.E.

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Preliminary Oaths of Assistants.

We _John Ormand Hays_

and _Martin Ramzy_

do solemnly swear that we will well and faithfully execute
the duties of Chain Carriers; that we will level the chain over
even and uneven ground, and plumb the tally pins, either by
sticking or dropping the same; that we will report the true dis-
tance to all notable objects, and the true length of all lines that
we assist in measuring, to the best of our skill and ability and
in accordance with instructions given us in the survey of the
North boundary and
subdivisional lines
_of T. 24 S. R. 14 E_

of the principal base and meridian in the Territory of Arizona.

John Ormand Hays Chainman.

Martin Ramzy Chainman.

Subscribed and sworn before me, this _22 nd_

day of _January 1900_

G H Purcell

Notary Public.

My Com. Ʒ 3py /1901

We *Bernard Starr*

and Andrez Starr

do solemnly swear that we will well and truly perfor[m]

the duties of *flagman* and

axeman

in the establishment of corners and other duties according to

instructions given us, and to the best of our skill and ability,

in the survey of the *North boundary*

and subdivisional

lines of T. 24 S. R. 14

of the principal base and meridian in the Territory of Arizona.

Bernard Starr, flagm[an]

Andres Starr, axema[n]

Subscribed and sworn to before me this *22nd*

day of *January 1900*

S. W. Purcell

Notary Public.

my Com 9 3/xy/1901

ECOK 987

Auxiliary Base Line

Having found the North
line of this Township out
of alignment and chaining
I proceed in compliance
with my special instructions
to establish an auxiliary
base line.

At cor. to secs. 13. 18. 19 and
24. on the East Boundary of
Tp. 24 S. R. 14 E. which is a
sandstone 8×6 ins. above ground
firmly set and marked and
witnessed as heretofore des-
cribed by me.

Jan 25 at 8.45 am, L.m.t I set
off 31°20′ on the lat. arc;
18°58′s on the decl. arc; and
determine a true meridian
with the solar

T. 24 S, R. 14 E.   continued

Thence I run

West, on a random line
setting temp. 1/4 and sec.
corners. at 40. and 80. chains.
at 354.60 chs. set Temp.
closing cor. for frac'l. sec. 17
and 20. on the East bdy. of
Nogales Town Site.
Thence on blank line
through Town Site,
at 380. chs. offset to South
6. chs. on account of buildings.
Thence West, at 420. chs.
I offset back to random line
6. chs. North. at 434.38 chs.
set temp. closing cor. for
frac'l. secs. 18 and 19. on West
bdy. of Nogales Town site.
at 481.30 chs. Intersect the

Auxiliary Base Line

chains	
	West Bdy. of Tp. 207 lks.
	S. of cor. of secs. 13. 18. 19 and
	24. which is a Granite stone
	8×6 ins. above ground, firmly
	set, marked and witnessed as
	heretofore described by me
	The falling answers to a correc-
	tion of 0°15' or 34½ lks. N per
	mile, counting from the cor.
	of secs. 13. 18. 19 and 24 on the
	E. bdy. of the Tp.;
	Therefore I run
	S. 89°45' E. on a True line
	bet. secs. 18 and 19.
	ascending.
2.80	Head of Gulch, course Southerly.
5.50	Top of ridge, bears N and S; descend
10.20	Gulch 4 lks. wide, course S. Westerly;
	ascend.

T. 24 S. R. 14 E. continued

chains.	
14.70	Top of ridge, bears N W and S. E.; descend.
20.10	Foot of descent; cañon, course S. Easterly.
20.80	Leave Cañon and ascend.
26.00	Trail. bears N W and S. Easterly. Top of ridge; descend.
29.00	Cañon 20 lks course S.E. wide; ascend
34.60	Top of ridge bears N and S. Trail bears N. and S; descend.
38.40	Wire fence bears N and Southerly
41.30	Set a Granite stone 18 x 12 x 6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 18 on N. face. 19 on S. face. from which an Oak 6 ins. diam. bears S 78° W. 115 lks. dist. marked ¼ S. 19. B.T. no other Tree within limits and raise a mound of stone 2½ ft. base, 1½ ft. high. N. of Cor. Pits impracticable

Auxiliary Base Line

chains	
43.60	Foot of Descent.
43.75	Wash 10 lks. wide, course Southerly.
44.90	Wire fence bears N and S.
46.92	Intersect West Boundary of Nogales Town Site at a point N. 6.12 chs. from the S.W. cor of said Townsite, which is a sand stone 10×10×10 ins. above ground firmly set, marked and witnessed as described by the Surveyor General. set a Granite stone 18×12×10 ins. 12 ins. in the ground for closing cor. for fracl. secs. 18 and 19 marked C.C. on N. face. 18. on N. face N.T.S. on E. face and 19. on S. face. from this cor. the N.E cor of an adobe House bears S 50° W. 286 lks. dist. An Oak 8ins. diam. bears S 71½° W 2.56 lks.

T. 24 S. R 14 E. Continued

chains.   dist. marked. T. 24 S. R 14 E. S 19. 13 T.

dig pits 24 x 24 x 12 ins. N and S. of
cor. 4 ft. dist. and W. of cor. 8 ft. dist. and raise
a mound of earth 4 ft. base
2 ft high. W. of cor.
Land Mountainous.
Soil gravelly; 3rd rate
No timber.
Mountainous Land 43.60 chs.

Thence I proceed to the E.
boundary of Nogales Town-
site to temp. closing cor.
to secs. 17 and 20.
The true point for closing
cor. bears N. 5.10 chs from the
S. E. cor. of Nogales Townsite
which is a Sand stone 10 x 10 x 10 ins.
above ground, firmly set,
marked and witnessed as des -

BOOK 987

Auxiliary Base Line

cribed by the surveyor-General.
The point for closing cor.
falls in a gulch, therefore
I set a Witness cor. to closing
cor. at a point S.89°.45' E
1.70 chs dist. from the True
cor. point. as follows:
Set a Sand Stone 18x10x6 ins.
12 ins. in the ground for witness
cor. to closing cor. marked
W.C.C.C. on E. face; 20. on S.
face; 17 on N. face. from which
an oak 8 ins. diam. bears N.77 E
212 lks. dist. marked W.C. T.24.S.
R.14 E, S.17. B.T.
An Oak 14 ins. diam. bears S.40½ E.
176 lks. dist. marked W.C. T.24.S,
R.14 E, S.20. B.T.
Thence I run

T 24 S. R. 14 E. continued

chains	
	S. 89° 45' E. on a true line
	bet. secs. 17 and 20.
	from cor. point for closing cor.
	Ascending from gulch
1.00	Top of ascent bears N and S.
1.70	Witness cor. as heretofore described.
6.25	Gulch 4 lks. wide, course S. Westerly
18.20	ascend
25.00	Gulch 4 lks. wide, course Northerly.
28.50	Gulch 4 lks. wide, course Northerly.
30.05	Gulch 2 lks. wide, course northerly.
31.00	Top of ridge, bears N and S; descend
34.60	Set a Granite stone 18 x 10 x 8 ins.
	12 ins. in the ground for cor of
	secs. 16, 17, 20 and 21, marked
	with 3 notches on S. and 4 notches
	on E. edges from which
	an oak 5 ins. diam. bears S 45½ E.
	94 lks. dist. marked T. 24 S., R 14 E,

BOOK 987

Auxiliary Base Line

chains	
	S. 21. B.T
	An oak 10 ins. diam. bears N 84½° W.
	93 lks. dist. marked T. 2.43. R. 14 E.,
	S. 17. B.T. no other trees within limits
	and raise a mound of stone
	2½ ft. base 1½ ft. high, N. of cor.
	Pits impracticable
	Land Mountainous.
	Soil, gravelly. 3rd and 4th rate.
	Timber, scattering oak.
	Mountainous Land 34, 60 chs.
	S. 89° 45' E. bet. secs. 16 and 21
	over mountainous and rolling land.
0.75	Gulch 4 lks. wide, course Northerly;
	ascend
3.25	Top of ridge, bears N and S; descend
6.50	Enter gulch, course Northerly
6.90	Trail, bears N. and Southerly.
8.90	Leave gulch, course Northerly; ascend

T. 24 S. R. 14 E. Continued

chains	
12.00	Top of ascent.
28.25	Wash 10 lks. wide, course N. Easterly.
29.25	Wash 5 lks. wide course N.
35.15	Trail bears N. and Southerly.
35.20	Wire fence bears N. and Southerly; and enter oak undergrowth.
40.00	Set a Sand Stone 18×12×10 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 16 on N. face 21 on S. face, dig pits 18×18×12 ins. E. and W. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor. Pits impracticable
40.15	Wash 4 lks. wide, course Northerly
41.25	Top of ridge bears N and S.; leave undergrowth.
47.75	Enter wash, course Northerly
51.90	Jose Lopez Well 2 chs. N.; Trail bears N and S.

Auxiliary Base Line

chains.	
54.50	Brush corral, 1.50 chs. N.
58.80	Leave Wash, course N Westerly; ascend
69.55	Gulch 4 lks. wide, course Southerly.
72.83	Wire fence, bears N. and S.
73.20	Gulch 5 lks wide, course S. Westerly; ascend
75.70	Gulch 10 lks. wide, course S. Westerly; ascend
80.00	Set a Sand Stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked with 3 notches on S. and 3 notches on E. edges. from which An Oak 8 ins. diam. bears N 32° E 95 lks. dist. marked T. 24 S. R. 18 E., S. 16. B.T. An Oak 14 ins. diam. bears. N 49° W. 6 lks. dist. marked

T 24 S. R 14 E. continued

chains	
	T. 24 S., R. 14 E., S. 16. B.T. no
	other trees within limits.
	and raise a mound of stone
	2½ ft. base 1½ ft. high. W. of Cor.
	Pits impracticable
	Land Mountainous and rolling.
	Soil gravelly, 2nd and 3rd rate.
	Timber, a few oaks
	Undergrowth, oak
	Mountainous Land 68.95 chs.
	Jan 26. 1900
	S 89° 45' E, bet. secs. 15 and 22.
	over mountainous Land.
	ascending.
4.50	*Top of ridge, bears N E and S. Westerly.
6.00	Head of gulch, course Southerly.
7.25	*Top of same ridge, bear N W and S E;
	descend abruptly
9.75	Trail, bears N. and S.
10.20	Gulch 4 lks wide, course Northerly;

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Auxiliary Base Line

chains	
	ascend
12.50	Top same ridge, bears NE and SW; descend along S. slope
18.25	Gulch 4 lks. wide, course S. Westerly; ascend
19.00	Ridge bears N. and S.; descend
21.60	Gulch 4 lks. wide, course SW; ascend
24.25	Top of ridge bears NE and SW.
27.05	Gulch 8 lks. wide, course S. Westerly; ascend
27.50	Trail bears NW. and S. Easterly
35.00	Top of ridge bears E and W. 50 lks. N. of line.
40.00	Set a Granite Stone 18x8x8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 15 on N. face, 22 on S. face, and raise a mound of stone 2½ ft. base 1½ ft. high N. of cor. Pits impracticable

T. 24 S. R. 14 E. Continued

chains.	
49.50	Wash 4 lks. wide, course N. Easterly
62.50	Descend gradually
72.80	Wash 8 lks. wide, course N. Westerly
80.00	Set a Granite Stone 26×10×2 ins. 20 ins. in the ground for cor. of secs. 14, 15, 22 and 23. marked with 3 notches on S. and 2 notches on E. edges. from which

An Oak 8 ins. diam. bears N 37½° E
140 lks. dist. marked T. 24 S., R. 14 E.,
S. 14. B.T.

An Oak 7 ins. diam. bears S 70° E
83 lks. dist marked T. 24 S., R. 14 E.,
S. 23, B.T.

An Oak 6 ins. diam. bears
S 27¼° W. 30 lks. dist. marked
T. 24 S, R. 14 E, S. 22, B.T.

An Oak 15 ins. diam. bears
N 9¼° W. 153 lks. dist. marked

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Auxiliary Base Line

chains.	
	T.24S., R.14E., S.15, B.T.
	Land mountainous
	Soil. gravelly, 2nd and 3rd rate
	Timber, scattering oak.
	Mountainous Land 80. chs.
	S 89° 45' E, bet. secs. 14 and 23
	over mountainous land
3.50	Wash 10 chs. wide course S. Easterly
	then Easterly
6.60	Wash 20 chs. wide, course S Easterly
	intersect with other wash 50 chs. SE
8.50	Wash 100 chs. wide S. of line 50 chs;
	ascend course
10.50	Trail bears S E and N. Westerly
15.10	Wire fence bears N W and S. Easterly
15.60	Wash 10 chs. wide; course S. Easterly;
	ascend
19.00	Top of ridge bears N and S; descend

T. 24 S. R. 14 E. Continued

chains	
24.25	Gulch 4 lks. wide, course Southerly; ascend
30.00	Top of ascent, bears N & S; descend
35.35	Gulch 10 lks. wide course S. Easterly; ascend
38.50	Top of ridge bears N W and S E; descend
40.00	Set a Malapai Stone 18 x 18 x 8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 14 on N. face, 23 on S face, from which
	An Oak 15 ins. diam. bears N 7° E. 220 lks. dist. marked ¼ S. 14. B.T. no other tree within limits, and raise a mound of stone 2½ ft. base 1½ ft. high. N of cor. Pits impracticable
44.00	Gulch 10 lks. wide, course Southerly
51.60	Gulch 20 lks wide, course S. Easterly

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Auxiliary Base Line

chains	
67.00	Gulch 20 lks. wide course Southerly
√76.90	Gulch _____, course Southerly
80.00	Set a sandstone 18×8×7 ins.

12 ins. in the ground for cor. of
secs. 13, 14 23 and 24 marked
with 3 notches on S. and 1 notch
on E. edges, from which
an Oak 12 ins. diam. bears
N 30° W. 197 lks. dist. marked
T. 24 S., R. 14 E., S. 14. B.T. no other
trees within limits, and raise
a mound of stone 2½ ft. base
1½ ft. high W. of Cor. Pits impracticable
Land Mountainous
Soil, gravelly, 3rd rate.
Timber, scattering oak
good grass.
Mountainous Land 80. chs.

T. 24 S. R. 14 E. Continued

Chains.

	S 89° 45' E. bet. secs. 13 and 24.
	over mountainous land
0.05	Gulch 10 lks. wide, course S. Easterly
9.40	Gulch 10 lks. wide, course S. Easterly;
	ascend
15.00	Top of ridge bears N & S; descend
27.50	adobe N° 1 bears S 1 ¾° E;
	adobe N° 2 bears S 5 ½° E;
	Stone House bears S 27° W.
32.20	Draw 60 lks wide, course Northerly;
	ascend
37.50	Spring 100 lks. N.
40.00	Set a Malapai stone 18 × 10 × 8 ins.
	12 ins. in the ground for ¼ sec. cor.
	marked ¼ 13 on N. face, 24 on
	S. face, from which
	adobe N° 1 bears S 42 ¼° W.
	adobe N° 2 bears S 46° W.
	Stone House bears S 58 ½° W.

Auxiliary Base Line

chains.	
	and raise a mound of stone 2½ ft. base 1½ ft. high N. of Cor.
42.00	Top of ridge bears N and S; descend
48.30	Gulch 10 lks. wide, course Northerly; ascend.
52.25	Top of ridge bears N and S; descend
61.50	Wash 10 lks. wide, course N. Easterly; ascend
61.70	Spring 10 lks. N.
62.00	old stone House 50 lks. S.
63.00	Stone House N 13½° W. House & Corral N 8½° E
64.00	Stone House 70 lks. N.
64.50	ascend
68.50	Top of ridge bears N E and S.W.
68.60	Stone House bears N 56½° W House & Corral bears N 2¼° W.; descend.
76.05	Gulch 10 lks. wide, course Northerly;

T. 24 S. R. 14 E. concluded.

chains.	
	ascend
78.05	Wash 4 chs. wide, course Northerly.
80.00	The cor. of secs. 13, 18, 19 and 24.
	Land Mountainous.
	Timber, oak.
	Soil, gravelly; 2nd and 3rd rate
	good grass.
	Mountainous Land 80. chs.
	Jan 27. 1900

Subdivision of fract.

chains.

Jan. 28. 1900. at 7.30 a.m. l.m.t.,
I set off 31° 20' on the lat. arc;
18° 13' 5 on the decl. arc; and
determine a true meridian
with the solar, at the cor. of
secs. 13, 14, 23 and 24, which is
a sand stone 6×8×7 ins. above
ground, marked and witnessed
as heretofore described by me
Thence I run

S0° 1' E. bet. secs. 23 and 24,
along W. side of gulch over
mountainous land.

1.42 Intersect International Bdy.
line between the United States
and Mexico at a point
S89° 17' W. 129.63 chs. dist. from
Masonry Mon. No 118.

Set a sand stone 18×10×6 ins.

T. 24 S. R. 14 E.

chains	
	12 ins. in the ground for closing
	cor. marked C.C. on N. face,
	T. 24 S. R. 14 E. S. 13. on E. face.
	T. 24 S. R. 14 E. S. 14. on W. face
	MEX. on S. face. and raise a
	mound of stone 2½ ft. base
	1½ ft. high. N of Cor. Pits impracticable
	Land mountainous.
	Soil. gravelly; 3rd rate
	No timber. good grass.
	Mountainous Land 1.42 chs
	N 0° 01' W. bet. secs. 13 and 14.
	over mountainous land
	ascending.
1.00	Leave Gulch
6.90	Top of ridge bears E and W.
7.20	Trail bears E and W; descend
11.50	Gulch 6 chs. wide, course N. Easterly

BOOK 987

Subdivision of fracl.

chains	
18.20	Gulch 20 lks. wide course N. Easterly
21.80	Gulch 10 lks. wide, course N. Easterly
27.50	Gulch 10 lks. wide, course N. Easterly; ascend.
35.00	Top of ridge bears S. and N. Westerly
40.00	Set a Malapai rock 18×8×6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 14 on W. face. 13 on E. face. from which
	An Oak 8 ins diam. bears S 61° E. 129 lks. dist. marked ¼ S. 13. B.T.
	a Mesquite 10 ins. diam. bears N 57¾° W. 321 lks. dist. marked ¼ S. 14. B.T.
46.60	Trail bears E & Westerly
47.90	Trail bears E and Westerly
50.50	*Wash 40 lks. wide course Easterly
52.00	*Wash 40 lks. wide, course Northerly
54.00	Wash 40 lks wide, course Easterly

T 24 S. R 14 E. Continued

chains	
58.00	Gulch 4 lks. wide, course Easterly
63.50	Gulch 4 lks. wide course Easterly
69.20	Gulch 5 lks. wide, course Easterly
70.00	Gulch 4 lks. wide course Easterly
74.00	Telephone line N.E. and S.W.
78.00	Gulch 30 lks. wide, course S. Easterly
80.00	Gulch 20 lks. wide course S.W,
	then S.E:
	Cor. point falls in gulch.
80.20	Set a Granite stone 18 x 8 x 8 ins.
	12 ins. in the ground for witness
	cor. to cor. of secs. 11, 12, 13 and
	14. marked W.C. on E. with
	4 notches on S. and 1 notch on
	E. edges. from which
	a Black Oak 5 ins. diam. bears
	N 26¼° E 98 lks. dist. marked
	W.C. T 24 S, R 14 E. S. 12. B.T.
	a white oak 12 ins. diam. bears
	S 46½° E 103½ lks. dist. marked

Subdivision of fracl.

chains.

W.C. T.24 S, R.14 E. S.13. B.T.
a Black oak 10 ins. diam. bears
S 24¼° W. 84 lks. dist. marked
W.C. T.24 S, R.14 E. S.14 B.T.
a Black oak 8 ins. diam. bears
N 10¼° W. 151 lks. dist. marked
W.C. T.24 S. R.14 E. S.11 B.T. and
raise a mound of stone
2½ ft. base, 1½ ft. high. W. of cor.
Land mountainous
Soil, gravelly. 3ʳᵈ rate
Timber, scattering oak.
Mountainous Land 80. chs.

	© 89°45' E on a random line
	bet. secs. 12 and 13. from cor. point
40.00	set. temp. ¼ sec. cor.
80.10	Intersect East bdy. of Tp.
	11 lks. S. of cor. of secs. 7, 12.

T. 24 S. R. 14 E. continued

chains	
	13 and 18. which is a Granite stone 6 × 10 × 8 ins. above ground. marked and witnessed as heretofore described by me. Thence I run
	N 89° 50' W. on a true line bet. secs. 12 and 13 over mountainous land ascending.
2.00	Top of ridge, bears N E and S W.; descend
4.50	Gulch 4 lks. wide, course Northerly
5.70	Gulch 4 lks. wide, course Northerly
8.40	Gulch 6 lks. wide, course Northerly; ascend
16.00	Top of ridge bears N E.; descend.
20.20	Gulch 20 lks. wide, course N. Easterly; ascend along D. slope.
32.50	Top of ascent; descend

Subdivision of fract.

chains	
40.05	Set a Granite stone 18×8×8 ins 12 ins. in the ground for ¼ sec. Cor. marked ¼ 12 on N. face 13 on S. face, from which An Oak 24 ins. diam, bears N 81° W 120 lks, dist. marked ¼ S. 12 B.T. An Oak 12 ins. diam. bears. S 38¾° W. 195 lks. dist. marked ¼ S. 12, B.T.
40.75	Enter wash, course S. Easterly
42.60	Leave wash, ascend along N. slope of ridge
51.50	Descend
56.70	Telephone line to Nogales bears S 81½ W and N 81½ E.
62.50	Descend
70.70	Gulch 6 lks. wide, course Southerly.
74.20	Gulch 6 lks. wide, course Southerly

T. 24 S. R. 14 E. Continued

chains	
80.10	Gulch 20 lks. wide, course Southerly.
	cor. pit. The cor. of secs. 11, 12,
	13 and 14,
	Land Mountainous
	Soil, gravelly, 3rd rate
	Timber, scattering Oak.
	Mountainous Land. 80.10 chs

	N 0° 01' W. bet. secs. 11 and 12,
	over mountainous land.
0. 20	W. C. to secs. 11-12-13 and 14,
	heretofore described.
1. 70	Gulch 20 lks. wide, course S. Easterly;
	ascend along W. slope of Mt.
6. 90	Wire fence bears N 72° E, and
	S 72° W.
18. 60	Gulch 10 lks. wide, course S. Westerly
26. 00	Gulch 10 lks. wide, course S. Westerly
40. 00	Set a Granite Stone 18 x 10 x 8 ins.

Subdivision of fracl

chains	
	12 ins. in the ground for 1/4 sec. cor. marked 1/4 11. on W. face 12 on E. face, and raise a mound of stone 2 1/2 ft. base 1 1/2 ft. high. W. of cor. Pits impracticable; Top of ascent
45.00	ascend steeper on E. slope.
51.00	Top of summit 1 ch. E; descend
51.55	Wire fence bears N 88° W and S 88° E.
62.00	ascend
68.20	Top of spur, bears W; descend
80.00	Set a Granite Stone 18 x 8 x 8 ins. 12 ins in the ground for cor. of secs. 1, 2, 11 and 12. marked with 5 notches on S. and 1 notch on E. edges, from which an oak 10 ins. diam. bears S 26 3/4 E

T 24 S. R. 14 E. continued

chains	
	271 lks. dist. marked
	T. 24 S, R. 14 E, S. 12. B. T.
	An Oak 7 ins. diam. bears
	S 36¾° W. 199 lks. dist. marked
	T. 24 S, R. 14 E. S. 11. B. T. no other
	Trees within limits. and raise
	a mound of stone 2½ ft. base
	1½ ft. high. W. of cor. Pits. im-
	practicable
	Land mountainous
	Soil, gravelly; 3rd rate
	Timber, a few Oaks
	Mountainous Land 80 chs.
	Jan 28. 1900
	S 89° 50' E. on a random line
	bet. secs. 1 and 12.
40.00	set temp. ¼ sec. cor.
80.00	Intersect East Bdy. of Tp. at
	cor. to secs. 1, 6. 7 and 12.
	as heretofore described

Subdivision of fracl.

chains	
	Thence I run
	N89° 50' W. on a true line
	bet. Secs. 1 and 12.
	over mountainous land.
	ascending.
5.10	Gulch 15 lks. wide, course N. Easterly
40.00	Set a Granite Stone 18x10x8 ins.
	12 ins. in the ground for ¼ sec.
	cor. marked ¼ 1. on N. face,
	12 on S. face. and raise a
	mound of stone 2½ ft. base
	1½ ft. high N. of cor. Pits
	impracticable.
62.00	Top of Mt. bears N.W. and S. Easterly.
	descend along W. slope.
70.00	Foot of descent. and ascend
74.00	Top of ascent. bears N E and S W ;
	descend steeper
80.00	The cor. to secs. 1, 2, 11 and 12

T. 24 S. R. 14 E. continued

chains	
	Land Mountainous
	Soil, gravelly, 2nd and 3rd rate.
	Timber, a few oak and
	mesquite,
	good grass.
	Mountainous Land 80, chs.
	N 0° 01' W. on a random line
	bet. secs. 1 and 2.
40.00	set temp. 1/4 sec. cor.
79.90	Intersect N. bdy. of Tp. 11 lks.
	E. of cor. to secs. 1, 2, 35 and 36
	which is a granite stone 6 x 8 x 6ins.
	above ground, marked and witnessed
	as heretofore described
	Thence I run
	S. 0° 05' E. on a true line
	bet. secs. 1 and 2.
	over mountainous land,

Subdivision of fracl

chains	
	ascend
5.00	Top, and descend
12.00	Gulch 6 lks. wide, course Easterly
19.05	Gulch 60 lks. wide, course Easterly
30.30	Gulch 10 lks. wide, course Easterly.
38.25	Gulch 20 lks, wide, course Easterly;
	ascend
39.90	Top of ascent.

Set a Granite stone 18 x 14 x 8 ins.
12 ins. in the ground for ¼ sec.
Cor. marked ¼ 2. on W. face.
1. on E. face, from which
An Oak 6 ins. diam. bears
N 24½° E, 48 lks. dist. marked
¼ S. 1. B.T.
An Oak 12 ins. diam. bears
N 68¼° W 240 lks. dist. marked
¼ S. 2. B.T.

| 44.50 | Enter dry wash, course Easterly |
| 45.00 | Road Easterly and Westerly. |

T 24 S. R. 14 E. continued

chains	
45.50	Leave dry wash, and ascend
56.75	Gulch 10 lks. wide, course N. Westerly.
64.60	Gulch 20 lks. wide, course Westerly.
69.00	Gulch 20 lks. wide, course N. Westerly
77.40	Top of ascent; descend
79.90	The cor. of secs. 1, 2, 11 and 12.

Land mountainous

Soil, gravelly 2nd rate

Timber, oak.

some ocotillo undergrowth

good grass.

Mountainous Land 79.90 chs.

From the cor. of secs. 14, 15
22 and 23 as heretofore
described

I run

S 0° 01' E. bet. secs. 22 and 23.
over rolling land

BOOK 987

Subdivision of fracl.

chains	
2.70	Intersect International Bdy. line between the United States and Mexico at a point N 89° 17' E. 45.80 chs. dist. from Iron Mon. Nº 119. Set a sand stone 25 x 8 x 3 ins. 19 ins. in the ground for closing cor. marked C.C. on N. face, MEX. on S. face. T.24 S, R 14 E. S. 23 on E. face, T.24 S, R 14 E S. 22 on W. face. and raise a mound of stone 2½ ft. base 1½ ft. high N. of cor. Pits impracticable Sand rolling Timber, a few oaks. Undergrowth, Yucca. good grass.

T 24 S. R. 14 E. continued

chains.	
	From the cor. of secs. 14, 15, 22 and 23 as heretofore described, on the auxiliary Base Line. I run N 0° 01' W. bet. secs. 14 and 15. over mountainous land
1.80	Gulch 20 lks. wide, course Easterly
2.53	Wire fence bears E. and W.
2.80	Trail, bears E. and W.
15.50	Wash 8 lks. wide, course S. Easterly
31.10	Wire fence, bears N 14½° E.
37.40	Gulch 4 lks. wide, course S. Westerly; ascend steep.
40.00	Set a Malapai rock 18x10x6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 15 on W. face 14 on E. face and raise a mound of stone 2½ ft. base 1½ ft. high. W. of Cor. Pits impracticable

BOOK 987

Subdivision of fracl

Chains	
40.06	Wire fence bears N 72½° W. and S 72½° E.; descend
44.20	Gulch 4 lks. wide, course N. Easterly
45.20	Gulch, 4 lks. wide, course Easterly; ascend
49.00	Top of ridge bears E and W.; descend
53.70	Gulch 4 lks. wide, course N. Easterly.
56.30	Gulch 4 lks. wide, course S. Easterly; ascend
59.10	Top of ridge bears E and W.; descend
59.40	Trail bears E and W.
60.90	Wire fence course Easterly & Westerly
62.25	Gulch 10 lks. wide, course E. then N E.; ascend
63.90	Telephone line to Nogales bears E and W.
65.30	Gulch 2 lks. wide, course Easterly
67.30	Gulch 6 lks. wide, course Easterly

T. 24 S. R. 14 E, continued

chains.	
69.50	Top of ridge bears E and W.; descend
71.80	Gulch 4 lks. wide, course Easterly; ascend
73.50	Top of ridge bears E and W.; descend
76.70	Gulch 4 lks. wide, course Easterly; ascend
80.00	Set a granite stone 18×6×6 ins. 12 ins. in the ground for cor. of secs 10. 11. 14 and 15, marked with 4 notches on S. and 2 notches on E. edges. from which
	An oak 6 ins. diam. bears N 46° E 114 lks. dist. marked T. 24 S., R. 14 E., S. 11. B.T.
	An oak 12 ins. diam. bears S 13° E 100 lks. dist. marked T. 24 S., R. 14 E. S. 14. B.T.
	An oak 10 ins. diam. bears N 8¼ W 145 lks. dist. marked T. 24 S. R. 14 E., S. 10, B.T. no other Tree within limits

Subdivision of fracl

chains	
	and raise a mound of stone
	2½ ft. base, 1½ ft. high. W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil. Gravelly; 3rd rate.
	Timber, scattering oak
	Mountainous Land 80 chs.

<div align="center">Jan 29. 1900</div>

	S 89° 45' E. on a random line
	bet. secs. 11 and 14.
40.00	set. Temp. ¼ sec. Cor.
79.84	Intersect N. and S. line at cor.
	to secs. 11. 12. 13 and 14.
	Thence I run
	N. 89° 45' W. on a true line
	bet. secs. 11 and 14.
	over mountainous land.
0.50	Gulch 20 lks. wide, course S. Easterly
4.50	Gulch 20. lks. wide, course N. Easterly;

T. 24 S. R. 14 E. continued

chains.	
	ascend
12.50	Top of ridge, bears N. and S.
21.10	Wire fence, bears N 72° W. and S 72° E.; Gulch 4 lks. wide, course N. Easterly.
23.50	Cañon 1. ch. wide, course N. Easterly; ascend
26.50	Head of gulch, 2 lks. wide, course N. Easterly
36.50	Top of ridge, bears NW. and S. Easterly
39.92	Set a Conglomerate stone 18 x 8 x 6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 11. on N. face, 14. on S face, and raise a mound of stone 2½ ft. base, 1½ ft. high N. of cor. Pits impracticable.
40.90	Gulch 4 lks. wide, course S. Easterly; ascend
44.90	Gulch 6 lks. wide, course S. Easterly.
45.10	Gulch 10 lks. wide, course S. Easterly
50.00	Gulch 100 lks. wide, course N.

Sub-division of fracl

chains.

51.00	Gulch 4 lks. wide, course N.
51.80	Gulch 5 lks. wide, course N. ascend.
54.70	Top of ridge. bears N and S. descend
58.20	Gulch 10 lks. wide, course N. Easterly; ascend.
61.50	Top of ridge. bears N. and S. descend
66.00	Gulch 10 lks. wide, course Northerly; ascend
69.00	Top of ridge bears N and S. descend
72.00	Gulch 20 lks. wide, course Northerly; ascend
76.00	Top of ridge, bears N and S. descend
77.50	Gulch 10 lks. wide, course N. Westerly
79.84	The cor. to secs. 10, 11, 14 and 15. Land mountainous Soil, gravelly; 2nd and 3rd rate

T 24 S. R 14 E continued :...

chains.	
	Timber, scattering oak
	Mountainous Land 79.84 chs.
	N 0° 01' W. bet. secs. 10. and 11.
	over mountainous land
	descending.
3.00	Gulch 10 lks. wide, course N. W. ascend
5.00	Top; descend.
8.60	Gulch 4 lks. wide, course Westerly;
	descend
20.80	Gulch 30 lks. wide, course N. Easterly
27.60	Gulch 20 lks. wide, course Easterly;
	ascend
40.00	Set a Malapai stone 18×10×6 ins.
	12 ins. in the ground for ¼ sec. cor.
	marked ¼ 10 on W. face, 11 on E.
	face, from which
	An Oak 8 ins. diam. bears N 71¼° W
	150 lks. dist. marked ¼ S. 10. B.T.

Subdivision of fracl

chains.	
	no other tree within limits.
	and raise a mound of stone
	2½ ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
47.00	Enter gulch, course N. Easterly
50.10	Leave gulch course N. Easterly.
54.00	Gulch 10 lks. wide, course N. Easterly;
	ascend along E. slope of ridge.
62.00	Wire fence bears N 43° E and
	S 43° W
69.00	Descend
72.30	Gulch course S. Easterly 10 lks. wid
80.00	Set a Granite stone 18 x 10 x 10 ins.
	12 ins. in the ground for cor.
	of secs. 2, 3, 10 and 11. marked
	with 5 notches on S. and 2 notches
	on E. edges. and raise a
	mound of stone 2½ ft. base
	1½ ft. high. N. of cor. Pits
	impracticable.

T.24 S., R.14 E. continued

chains.	
	Land mountainous.
	Soil, gravelly; 2nd and 3rd rate.
	Timber, scattering oak.
	Mountainous Land 80. chs.
	S 89° 45' E. on a random line
	bet. secs. 2 and 11.
40.00	Set Temp. 1/4 sec. cor.
80.06	Intersect N. and S. line. 4 lks.
	S. of cor. to secs. 1, 2, 11 and 12
	Thence I run
	N 89° 47' W. on a true line
	bet. secs. 2 and 11
	over mountainous land
	descending.
4.50	Gulch 10 lks. wide, course N. Easterly
11.00	Gulch 10 lks. wide, course N. Easterly
18.40	Gulch 10 lks. wide, course N. Easterly;
	ascend

BOOK 987

Subdivision of fracl.

Chains	
23.00	Top of ridge bears N. and S.; descend abruptly
29.50	Foot of descent. and enter dry creek course northerly.
30.90	Leave creek; ascend
39.50	Gulch 60 lks. wide, course S. Easterly
40.03	Set a Granite Stone 20x8x7 ins. 14 ins. in the ground for ¼ sec. Cor. marked ¼ 2 on N. face. 11 on S. face, from which
	a White Oak 10 ins. diam. bears N 60 ¼° E. 168 lks. dist. marked ¼ S. 2. B.T.
	a Black Oak 14 ins. diam. bears S 75 ¼° E. 144 lks. dist. marked ¼ S. 11. B.T.;
	ascend along E. slope
59.50	Descend abruptly.
67.30	Enter gulch course Southerly.
68.50	Leave gulch, course Southerly.

T 24 S. R. 14 E. continued

chains.

80.06 The cor. to secs. 2, 3, 10 and 11.

Land Mountainous.

Soil, gravelly; 3rd rate.

Timber, scattering Oak.

Mountainous Land 80.06 chs.

Jan 30. 1900

Jan 31 at 7. 30 a.m. l.m.t. I

set off 31°22' on the lat. arc;

17°23' S on the decl. arc, and

determine a True meridian

with the solar, at the cor. of

secs. 2, 3, 10 and 11.

Thence I run

N. 0°01' W. on a random line

bet. secs. 2 and 3.

40.00 set temp 1/4 sec. cor.

80.00 Intersect N. bdy. of Tp. at cor.

point. of secs. 2, 3, 34 and 35.

as heretofore described

Thence I run

BOOK 987

Subdivision of fracl

chains.	
	S. 0° 01' E. bet. secs. 2 and 3. from cor. point in wash, over mountainous land.
1.10	Leave Wash, course Easterly; ascend
7.00	Top of ridge, bears N E and S W.
14.60	Gulch 10 lks. wide, course N Easterly; ascend.
17.10	Top of ridge bears N. E. and S W.; Trail bears N E and S W; descend
19.75	Gulch 6 lks. wide, course Easterly.
24.40	Gulch 8 lks. wide, course S. Easterly
35.00	Draw 40 lks. wide, course Easterly.
37.90	Enter wash and cañon. course Easterly and Westerly.
40.00	The point for ¼ sec. cor. falls in wash, and cañon
40.30	Road from N. to E and Westerly
40.50	Leave Wash and Cañon and ascend
41.00	Top of bank.

T 24 S, R 14 E. continued

chains.

A Granite stone in place
26 x 26 ins. 18 ins. above ground
marked with a x at the exact
cor. point. for witness cor.
to 1/4 sec. cor. marked W.C.
on face. 1/4 3 on W. face. 2. on
E. face. from which
A Black Oak 8 ins. diam. bears
N 59 1/2° E. 63 lks. dist. marked
W.C. 1/4 S. 2. B.T.
A Black Oak 12 ins. diam. bears
N 74° W. 67 lks. dist. marked
W.C. 1/4 S. 3. B.T. and raise a
mound of stone 2 ft. base 1 1/2 ft.
high, on top of point.

57. 30	Trail bears E. and Westerly
60. 25	Top. N. slope of Mt, and ascend
65. 00	Spring and old adobe House

bears N 45° W. 14 chs. dist.

Subdivision of fracl

Chains.	
67.50	High point; summit 50 lks W; descend
74.00	Gulch 8 lks. wide, course Easterly.
80.00	The cor. to secs. 2.3.10 and 11.

Land Mountainous

Soil. gravelly; 2nd and 3rd rate
Timber, scattering Oak.
Mountainous Land 80. chs

From the cor. of secs. 15, 16
21 and 22. on the auxiliary
base line. I run
S 0°02' E. bet. secs. 21 and 22.
over mountainous land
ascend

| 1.00 | Top of ridge bears E and W; descend |
| 3.00 | Gulch 10 lks. wide, course P. Westerly |

T. 24 S. R. 14 E. continued:

chains.

4.00   Intersect International
Bdy. Line between the
United States and Mexico
at a point. S 89° 17' W. 34.21 chs
dist. from Iron Mon. N° 119.
Set a Granite stone 18 x 12 x 8 ins.
12 ins. in the ground for closing
cor. of fracl secs. 21 and 22.
marked C.C. on N. face. MEX. on
S. face. T. 24 S. R. 14 E. S. 22. on
E. face. T. 24 S, R. 14 E. S. 21. on
W. face. and raise a mound
of stone 2½ ft. base, 1½ ft. high
N. of Cor. Pits impracticable
Land. Mountainous.
Soil, gravelly; 3rd rate
No Timber. good grass.
Mountainous Land. 4 chs.

BOOK 987

Subdivision of fracl

chains	
	From the cor. of secs. 15.16. 21 and 22 on the auxiliary Base Line, I run N 0° 02' W. bet. secs 15 and 16. over mountainous land descending.
2.18	Gulch 10 lks. wide, course S. Westerly; ascend
3.70	Top of ridge bears E and W; descend abruptly.
5.75	Enter draw. course Westerly
7.00	Leave draw. course Westerly and ascend.
12:50	Wire fence bears E and W.
25.00	Top of ridge bears NE and SW, descend
26.00	Joe Carbons ranch bears 20 chs E.
30.00	Jose Lopez stone House 20 chs W
39.00	Gulch 30 lks. wide, course Westerly

T. 24 S. R. 14 E. continued

chains.	
40.00	Set a Sand Stone 18 x 10 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 16 on W. face, 15 on E. face from which An Oak 6 ins. diam. bears N 60° 1/4 E 69 1/2 lks. dist. marked 1/4 S. 15. B.T. An Oak 5 ins. diam. bears N 29 1/2° W 133 lks. dist. marked 1/4 S. 16. B.T. and raise a mound of stone 2 1/2 ft. base 1 1/2 ft. high. W. of cor.
43.00	Road from Nogales to Joe Carbon's ranch bears N W and S E.
44.30	Telephone line bears E and W.
45.25	Wash 4 lks. wide, course Westerly ; ascend
51.50	Top of ridge bears E and W ; descend
52.00	Wire fence bears N 6° E and S 6° W.
54.60	Head of gulch, course S. Westerly.

Subdivision of fracl

chains.	
59.40	Top of ridge bears E and W; descend
65.00	Gulch 2 lks. wide course S Westerly
67.40	Wire fence bears E and Westerly
80.00	Set a Sand Stone 18 x 12 x 5 ins. 12 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. from which

An Oak 14 ins. diam. bears
N 29¾° E. 89 lks. dist. marked
T. 24 S., R. 14 E., S 10. B.T.
An Oak 7 ins. diam. bears
S 57° E, 106. lks. dist. marked
T. 24 S., R. 14 E., S. 15. B.T.
An Oak 10 ins. diam. bears
S 28¾° W. 178 lks. dist. marked
T. 24 S., R. 14 E., S. 16, B.T.

T. 24 S. R. 14 E. continued

chains.

An Oak 6 ins. diam. bears
N 80° W. 83 lks. dist. marked
T. 24 S., R. 14 E., S. 9. B.T.
Land mountainous
Soil. gravelly; and rocky 3rd rate
Timber, scattering oak
undergrowth scattering oak
Mountainous Land 80. chs.

S 89° 45' E. on a random line
bet. secs. 10 and 15.

40.00	set Temp. 1/4 sec. cor.
79.82	Intersect N and S line 4 lks. S

of cor. to secs. 10. 11. 14 and 15
Thence I run
N 89° 47' W. on a true line
bet. secs. 10 and 15.
over mountainous land

2.50	Gulch 10 lks. wide, course N. Easterly;

Subdivision of fracl

chains.	
	ascend
4.75	Top of ridge bears N. Easterly ; descend
6.75	Gulch 10 lks. wide, course N Easterly
8.00	Top of ridge bears N. and Southerly.
10.50	Gulch 40 lks. wide, course N. Easterly.
15.00	Top of ridge bears N and S. descend
18.15	Wire fence bears N and S.
27.90	Gulch 20 lks, wide, course Northerly
32.00	Trail bears N and Southerly
36.00	Wash 2 lks. wide, course N Easterly ; ascend
39.92	Set a Malapai stone 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 10 on N. face 15 on S. face. from which An Oak stump 18 ins. diam. bears S 10 1/4° W. 151 lks. dist. marked 1/4 S. 15 B.T.

T. 24 S. R. 14 E. continued

chains

	An oak 12 ins. diam. bears S 59°E 318 lks. dist. marked ¼ S 15. B.T. and raise a mound of stone 2½ ft. base 1½ ft. high N. of cor.
44.00	Top of ridge, bears N. and S.; descend
45.10	Head of gulch, bears N. Westerly
51.30	Gulch 4 lks. wide, course N Westerly
57.30	Gulch 4 lks. wide, course N. Westerly
66.70	Gulch 6 lks. wide, course N. Westerly; ascend
68.25	Head of gulch, course S. Westerly
69.00	Charles Maken ranch and spring 6 chs. N.
73.90	Gulch 4 lks. wide, course N. Westerly
77.00	Gulch 20 lks. wide, course Northerly, then Westerly; ascend
78.00	Top of vertical bank, 40 ft. high
79.82	The cor. of secs. 9. 10. 15 and 16

Subdivision of fracl. T.24S. R.14E. continued

chains.

Land mountainous

Soil. gravelly; 3rd rate

Timber, a few scattering Oak

Mountainous Land 79.82 chs.

Jan. 31. 1900.

N 0° 02' W. bet. secs. 9 and 10.

over mountainous land

descending.

1.30	Gulch 20 lks. wide, course Westerly;
↻	ascend
4.00	Top of ridge bears E and W. descend
5.80	Gulch 20 lks. wide, course S. Westerly
	with running stream from spring.
7.10	Trail bears N Easterly and S. Westerly
7.90	Road crs. Easterly & westerly
8.50	Gulch 20 lks. wide, course S. Westerly;
	ascend
12.80	Trail bears NW and S. Easterly
22.10	Trail bears NW. and S. Easterly
25.00	Top of ridge bears NE and SW. descend

Subdivision of fracl T. 24 S. R. 14 E. continued

chains.

27.25	Wire fence bears NE and SW
27.50	Trail bears E and W.
30.75	Wash 4 lks. wide, course Westerly; ascend
35.00	Top of ascent, bears E and Westerly
39.30	Wash 6 lks. wide, course S. Westerly; ascend
40.00	Set a Granite stone 18 x 10 x 8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ 9 on W. face, 10 on E. face from which an Oak 5 ins. diam. bears S 60¼° E. 71 lks. dist. marked ¼ S. 10. B.T. an Oak 5 ins. diam. bears S 89¾° W 143 lks. dist. marked ¼ S. 9. B.T. and raise a mound of stone 2½ ft. base 1½ ft. high. W. of cor.
46.50	Trail bears E an Westerly

Subdivision of fracl

chains	
49.00	Top of ridge bears N W and S Easterly
57.90	Gulch 10 lks. wide, course Westerly; ascend.
64.50	Top of ridge bears E and W.
67.20	Wash 10 lks. wide, course Westerly
70.60	Road from Nogales, bears N E and S. Westerly
73.50	Wash 8 lks. wide, course Westerly then S. Westerly
74.50	Road bro. N. W & S.E.
80.00	Set a Granite Stone 18×7×7 ins. 12 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. from which an Oak 4 ins. diam. bears S 12¼° E. 163 lks. dist. marked T.24S., R.14E., S.10. B.T. no other trees within limits. and raise a mound of stone 2½ ft. base

Concluded, Book 988.