6TH STANDARD PAR. N
R. 9 E.

SPECIAL INSTRUCTIONS
JULY 26-1902.

PHILIP CONTZEN
U.S.DEP. SUR.

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FIELD NOTES

GENERAL LAND OFFICE.

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1/4. Dec. cons not marked "SC"
See letter 29 July 1903 Contzen.

copied A.T.L.
as checked Jm B. & Gm G. Nov 1/03

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Field Notes

of the survey of the

Sixth Standard Parallel North

through

Range 9 East

of the

Gila and Salt River Base and Meridian

in the

Territory of Arizona

As surveyed by

Philip Crosby

U. S. Deputy Surveyor

Under Special Instructions

Dated July 26, 1902.

Survey commenced August 4, 1902

Survey completed August 6 1902

Preliminary Oaths of Assistants.

We, John M. Frazer, A. G. Aiken and Wm B. Alexander, 2d, J. J. Kerrick do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths 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 6th Standard Parallel North Range 9 East

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

John M. Frazer Chainman.

A. G. Aiken Chainman.

Wm B. Alexander Chainman.

J. J. Kerrick Chainman.

Sworn and subscribed before me, this First day of August 190 7

Thomas A Borton
Notary Public.

[SEAL.]

my commis to
Jany 11- 1

We, Chas. M. Pogue 2A 3
and J. J. Falvey

do solemnly swear that we will well and truly perform the duties of flagman & 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 6th Standard Parallel North, Range 9 East of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Chas M Pogue Flagman.

J. J. Falvey Axeman.

Axeman.

Axeman.

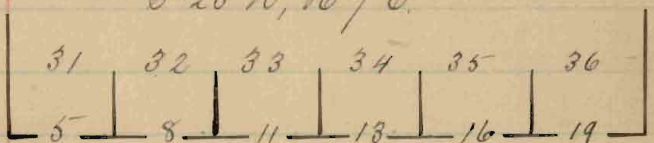
Subscribed and sworn to before me this 1st day of August 1902

Thomas A Porter Notary Public.

My commission expires.
1903.

Pridry

T 25 N, R 9 E.



6th Standard Parallel N.

Sixth Standard Parallel North

Chains

Survey commenced August 4, 1902 and executed with a Gurley and Sons light mountain transit No. 5607. The horizontal limb being provided with two opposite verniers reading to 30" of arc.

Begin at the standard cor of Tps 25 N, Rs 8 and 9 E, as heretofore described. At this cor, in latitude 35° 31' N, longitude 111° 26' W at 10h 36m p m by my watch, which is correct, observe Polaris at eastern elongation, in accordance with instructions in the manual and mark the line thus determined, by a tack driven in a wooden plug set in the ground five chains north of my station

August 5, 1902. At 8.15 a m, Began

Through Range 9 East

Chains

off the azimuth of Polaris 1°29'
to the West and mark the true
meridian thus determined by cutting
a mark on a stone firmly set in the
ground West of the mark es-
tablished last night the magnetic
bearing of this true meridian is
N 14°47' W which reduced by the table
on page 100 of the manual gives
the mean magnetic declination
14°47' East

Thence S 9 mm
East on S bdy sec 31.
Over rolling land
Ascending
Through heavy cedar timber

8.00 Post, brass Northerly and Southerly
18.00 Descend
27.00 Post, brass Northerly and Southerly

Sixth Standard Parallel North

Chains

and descend

31.00 Post, brass Northerly and Southerly and
descend

38.00 Post

38.50 Drain, 1 ch wide, course S. Easterly
and descend

Difference between measurements of 40.00
chs by two sets of chainmen is 12 lks
position of middle point

By 1st set 40.06 chs

By 2nd set 39.94 chs, the mean of
which is

40.00 Set a malpais stone 18 x 16 x 8 ins, 12
ins in the ground, for standard ¼
sec cor, marked S. C. ¼ 31 on N face
from which a cedar 24 ins diam
brs N 18½° E, 20 lks dist, marked
S. C. ¼ S 31 B T

A cedar 20 ins diam brs N 25½° W

Through Range 9 East - Continued

Chains	
	S.C.
	76 lks dist, marked ↑ S 31 B.T.
42.50	Pos, brass Northerly and Southerly and descend
44.00	Foot, and begin ascent over mal-pais ledges
56.60	Old stone ruins on both sides line
69.50	Old stone ruins bear 2 chs N.
71.00	Pos of ascent brass Northerly and Southerly, Corner over level land
	Difference between measurements of 80.00 chs by two sets of chaining is 8 lks
	position of middle point
	By 1st set 79.96 chs
	By 2nd set 80.04 chs, the mean of which is
80.00	Set a malpais stone 18 × 10 × 6 ins, 12 ins in the ground, for standard cor of secs 31 and 32, marked S. C. on N, with 5 grooves on E and 1

South Standard Parallel North

Chains

Sroad on W faces, from which a cedar
18 ins diam, bears N 33½° E, 96 lks dist
marked S 25 T, R 9 E, S 32 B S.
N cedar 16 ins diam, bears N. 31¼° W 70
lks dist marked S 25 T, R 9 E S 31 B
Land, broken, rolling and level
Soil, gravelly, rocky and volcanic
cinders, 4th rate.
Timber, cedar.
Heavily timbered land 8.00 chs

East on S bdy sec 32
Over level land
Through heavy cedar timber

23.00 Dr second

31.70 Foot, dry wash 40 lks wide,
course Northerly

32.00 R second

37.00 Top of ridge, bears Northerly and

Through Range 9 East - Continued

Chains

Southerly and descend

39.00 Post, dry mash 50 lks wide
enmos Northerly, and ascend
Difference between measurements of
4.00 chs by two sets of chainmen
is 10 lks, position of middle point
By 1st set 40.05 chs
By 2nd set 39.95 chs, the mean of
which is

4.000 Set a malpais stone 18 x 12 x 6 ins,
12 ins in the ground, for standard
1/4 sec cor, marked S.6. 1/4 32 on N
face from which a cedar 12 ins
diam, bears N 28 3/4° E. 44 lks dist,
marked S.C. 1/4 S 32 B.T.
A cedar 24 ins diam bears N 36° W
94 lks dist, marked S.C. 1/4 S 32 B.T.

44.00 Post, bears N. Easterly and S. Westerly

58.00 Descend

Sixth Standard Parallel North

Chains	
64.00	Pivt, and enter drawn, cross Northerly
66.00	Grave drawn and ascend
72.00	Pop bears Northerly and Southerly thence over marly land land
	Difference between measurements of 8,000 chs by two sets of chainmen is 6 lks, position of middle point
	By 1st set 8,008 chs
	By 2nd set 7997 chs, the mean of which is
8.00	Set a malpais stone 18 x 12 x 6 ins, 12 ins in the ground, for standard cor of secs 32 and 33, marked S.6. on N, with 4 grooves on E. and 2 grooves on W faces, from which a cedar 22 ins diam bears N 38½° E 98 lks dist marked T 25 N, R 9 E S 33 B.T.
	A cedar 24 ins diam, bears N 39° W,

Through Range 9 East - Continued

Chains

56 lks dist, marked S 25 N, R 9 E, S 32 B B.
Land, rolling and level
Soil, gravelly and volcanic cinders 4th rate
Timber, cedar
Heavily timbered land 8.00 chs.

East on S. bdy sec 33
Very level, land.
Through heavy cedar timber
15.00 Drocend
22.00 Pivt brass N. Westerly and S. Easterly
Difference between measurements of 4.00 chs by two sets of chainmen is 4 lks, position of middle point
By 1st set 39.98 chs
By 2nd set 40.02 chs, the mean of

Sixth Standard Parallel North

Chains	
	which is
4.00	Set a malpais stone 18 × 14 × 8 ins, 12 ins in the ground, for standard ¼ sec cor, marked S.C. ¼ 33 on N face, from which a cedar 14 ins diam bears N 29¾° E, 106 lks dist, marked S.C. ¼ S 33 B T
	A cedar 20 ins diam bears N 62½° W 27 lks dist, marked S.C. ¼ S 33 B.T.
	Difference between measurements of 8.00 chs by two sets of chainmen is 6 lks, position of middle point
	By 1st set 8.03 chs
	By 2nd set 79.97 chs, the mean of which is
8.00	Set a malpais stone 20 × 12 × 12 ins 14 ins in the ground, for standard cor of secs 33 and 34, marked S C on N, with 3 grooves on E. and W.

through Range 9 East - Continued

Chains

faces, from which a cedar 17 ins diam, bears N 41° E, 97 lks dist marked T 25 N, R 9 E, S 34 B. T.
A cedar 24 ins diam, bears N 36 W, 167 lks dist, marked T 25 N, R 9 E, S 33 B. T.
Land, level and rolling
Soil, gravelly and sandy loam
4th rate.
Timber, cedar
Mainly timbered land 8.00 chs

August 5, 1902

East, on S bdy sec 34
Over nearly level land
Through many cedar timber.
Difference between measurements of 40.00 chs by two sets of chainmen is 8 lks, position of middle point

Sixth Standard Parallel North

Chains

By 1st set 39.96 chs

By 2nd set 40.04 chs, the mean of which is

40.00 Set a malpais stone 18 x 12 x 10 ins, 12 ins in the ground, for standard ¼ sec cor marked S.C. ¼ 34 on N face, from which a cedar 12 ins diam bears N 49° E, 60 lks dist, marked S.C. ¼ S 34 B.T.

A cedar 8 ins diam bears N 81½° W, 71 lks dist, marked S.C. ¼ S 34, B.T.

68.50 Brass heavy cedar timber bears Northerly and Southerly, and brim descends over sandstone ledges.

71.50 Left bank of Deadman canyon, 200 ft deep, course N. Easterly

76.75 Right bank of Deadman canyon, and ascend

Difference between measurements

Through Range 9 East - Continued

Chains

of 8.00 chs by two sets of chaining is 12 lks, position of middle point.
By 1st set 80.06 chs
By 2nd set 79.94 chs, the mean of which is

8.00 Set a malpais stone 20 x 12 x 10 ins, 14 ins in the ground, for standard cor of secs 34 and 35, marked S.C. on N, with 2 grooves on E and 4 grooves on W faces, from which a cedar 10 ins diam, bears N. 60¾° E, 194 lks dist, marked T 25 N, R 9 E, S 35 B.T.
A cedar 8 ins diam bears N 41¼° W, 239 lks dist, marked T 25 N, R 9 E, S 34 B.T.
Land, level and mountainous. Soil, gravelly, volcanic cinders and rocky, 4th rate.

Sixth Standard Parallel North

Chains	
	Timber, cedar
	Mountainous or heavily timbered land, 8.00 chs.
	East, on S. bdy sec 35
	Over mountainous land
	Ascending
3.00	Top of ridge, bears N. Easterly and S. Westerly, and descend
5.70	Foot, and begin steep ascent
10.00	Top, bears N. Easterly and S. Westerly, and enter heavy cedar timber, bears N. Easterly and S. Westerly
19.00	Descend
25.00	Foot
26.00	Draw, 2 chs wide, course N. Easterly
27.00	Ascend
28.00	Top, bears N. Easterly and S Westerly, timber over rolling land

Township Range 9 East - Continued

Chains

Difference between measurements of 4.00 chs by two sets of chainmen is 6 lks, position of middle point

By 1st set 39.97 chs

By 2nd set 40.03 chs, the mean of which is

4.00 Set a malpais stone 8 x 6 x 4 ins, 12 ins in the ground, for standard ¼ sec cor, marked S.C. ¼ 35 on N. face, from which a cedar 14 ins diam, bears N 32 ½° E, 100 lks dist, marked S.C. ¼ S 35 B.T.

A cedar 18 ins diam bears N 33° W 260 lks dist, marked S.C. ¼ S 35, B.T.

45.00 Brs end,

51.00 Pivt, brs N. Easterly and S. Westerly, thence over level land

Difference between measurements of 8.00 chs by two sets of chainmen is

Sixth Standard Parallel North

Chains

8 lks, position of middle point
By 1st set 80.04 chs
By 2nd set 79.96 chs, the mean of
which is

8.00 Set a malpais stone 18 x 6 x 6 ins, 12
ins in the ground, for standard
cor of secs 35 and 36, marked S.C.
on N, with 1 groove on E, and 5
grooves on W. faces, from which a
cedar 12 ins diam, bears N 43 3/4° E,
67 lks dist, marked S 25 N, R 9 E,
S 36 B.T.
A cedar 20 ins diam, bears N 41 1/4° W
99 lks dist, marked S 25 N, R 9 E,
S 36 B.T.
Land, knl, rolling and mountain-
ous
Soil, gravelly, volcanic cinders
and rocky, 4th rate

Through Range 9 East - Continued

Chains

Timber, cedar
Mountainous & mainly timbered land, 8.00 chs

V

East on S bdy sec 36
Over level land
Through heavy cedar timber
32.36 Trail, bears N.W. Westerly and S.S. Easterly
Differences between measurements of 40.00 chs by two sets of chainmen is 10 lks, position of middle point.
By 1st set 39.95 chs
By 2nd set 40.05 chs, the mean of which is
40.00 Set a malpais stone 18 x 12 x 10 ins, 12 ins in the ground for standard 1/4 sec cor, marked S 6 1/4 36 on N. face, from which a

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Sixth Standard Parallel North

6 chains

cedar 10 ins diam bears N 40° E, 188 lks dist, marked S.C. 1/4 S 36 B.T.

A cedar 8 ins diam, bears N 55½° W, 50 lks dist, marked S.C. 1/4 S 36, B.T.

Difference between measurements of 8.000 chs by two sets of chainmen is 4 lks, position of middle point

By 1st set 8.002 chs

By 2nd set 79.98 chs, the mean of which is

8.000 Set a mal/pais stone 18 × 14 × 12 ins 12 ins in the ground, for standard cor of Ps 25 N, Rs 9 and 10 E, marked

S. C. 25 on N

10 E on E and

9 E on W faces with 6 grooves on N. E and W. faces, from which a cedar 24 ins diam, bears N 41° E

Through Range 9 East - Cumulated

Chains

101 lks dist, marked T 25 N, R 10 E, S 31, B.T.
A cedar 22 ins diam, bears N 45° W, 126 lks dist, marked T 25 N, R 9 E, S 36 B.T.
Land, level and gently rolling
Soil, volcanic cinders 4th rate
Timber, cedar
Heavily timbered land 8.00 chs

August 6, 1902.

General Description.

This line runs over, level, rolling and broken land, through heavy cedar timber. The soil is gravelly and volcanic cinders. There is little or no grass, and no water on the line. The land north and south

Chains

of the line is of the same general character. X.

Philip Conty
U.S. Deputy Surveyor

Note: In the survey of the Stand. neither the tangent nor secant method was employed, for the reason that the line was projected from true meridians determined at intervals of from 15 to 20 chs. along the line of survey.

List of Names.

A list of the names of the individuals employed by .....

U S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing Field Notes of the survey of the .....

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.....

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.....

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, showing the respective capacities in which they acted.

..... *Chainman.*

..... *Chainman.*

..... *Chainman.*

..... *Chainman*

..... *Axeman.*

..... *Axeman.*

..... *Flagman.*

24 26 BOOK 1730

suffer the penalty of perjury, under the provisions of an act

of Congress approved August 8, 1846.

Philip O. Co

U. S. Deputy Surveyor.

Sworn to and subscribed before me this 10th

day of December 190 2

Celiston D. Hoover

Clerk U. S. District Co

First District of Ariz

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Office of U. S. Surveyor General,

Phoenix, Arizona.
Oct. 13, 1903.

The foregoing field notes of the sur-
of the Sixth Standard Parallel
erth through R. 9. E.
a and Salt River Base and Meridian, in
.zona, executed by Philip Cortzen.
U. S. Deputy Surveyor under
el. Instr. in connection with
ntract No. 90 dated Dec. 16, 1901
ving been critically examined, the neces-
ry corrections and explanations made, the
id field notes and the surveys they de-
ribe are hereby approved.

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