Book D:

JAN 19 1911

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2224

BOOK 2224

FIELD NOTES

Accepted G.L.O. letter E
dated Sep. 26-1911

2224

OF THE SURVEY OF THE

Subdivision Lines of Tp. 24 North, Range 9 West of the Gila and Salt River Base and Meridian in Arizona.

2224

2224 *Of the* ..... *Meridian,* 2224

AS SURVEYED BY

W. O. Secor, Transitman, United States ~~Deputy Surveyor~~,

Under his ~~Contract~~ Group *No.* 8, *dated* August 25, 19/0

Survey commenced November 25, 19/0

Survey completed December 24, 19/0

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2224 2224

BOOK 2224

For all

NAMES AND DUTIES OF ASSISTANTS.

See Book 6 - S & W. bdrs. T24N. R9W.

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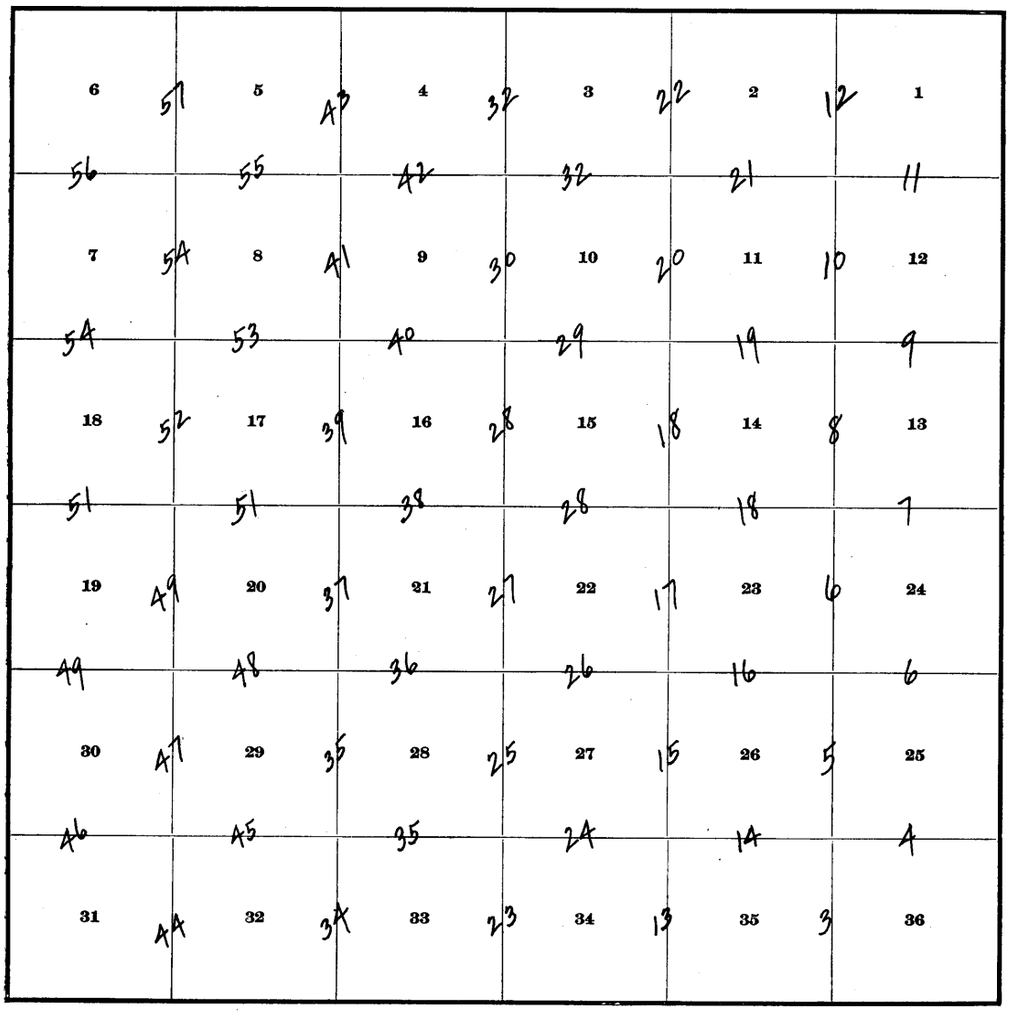
1A

BOOK 2224

INDEX DIAGRAM.

Township ----------, *Range* ----------



Meanders Page ----------

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1B

all

For **PRELIMINARY OATHS OF ASSISTANTS.**

See Book C - S. & W. bdrs. T24N. R9W.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 distances 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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 19

_____

SEAL

_____

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 19

_____

SEAL

_____

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 19

_____

SEAL

_____

I, Geo. J. Schwadener, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Tp. 24 N. R. 9 W.

Geo. J. Schwadener, *Flagman.*

Subscribed and sworn to before me this 10th day of December, 1910

W. O. Frear
Transitman

SEAL

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INDEX DIAGRAM.

Township ----------, *Range* ----------

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Meanders Page ----------

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BOOK 2224

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 distances 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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 19 _____

SEAL

_____

_____

~~WE~~ I, Geo. J. Schwadtner and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this 10th day of ~~December~~, ~~1910~~ _____

SEAL

_____

_____

~~WE~~ I, John Aubrey and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the subdivision lines N ½ Sec. 24 T. 7 N. R. 9 W.

John Aubrey, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this 1st day of December, 1910 _____

SEAL

W. W. Jacox.

Transitman

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 19 _____

SEAL

_____

_____

6—151

Subdivision of township 24 N., Range 9 West.

Survey commenced Nov 25. 1910, and executed with a Buff and Berger engineer's transit No 672, with a Saegmüller Solar Attachment, approved by the U.S. Surveyor-General, and Asist. Supervisor of Surveyors; the horizontal limb having two double verniers placed opposite to each other and reading to 30" of arc.

I examine the adjustments of my transit and solar apparatus and find them apparantly correct.

In order to test the solar apparatus I place my instrument on the meridian established at my camp Nov 18, 1910; and at 7h 50m a.m. l.m.t. I set off 20° 36' S. on the decl. arc; 35° 25' N. on the lat. arc; and determine a meridian with the solar which falls 0° 0.0' 30" east of the meridian established by the Polaris observation. I therefore conclude the adjustments of my instrument are satisfactory, and I proceed to the cor. of secs. 1. 2. 35 and 36 on the S. bdy. and, at 8h 30m a.m. l.m.t. I set off 20° 37' S. on the decl. arc.; 35° 25' N. on the lat. arc; and determine a meridian with the solar; thence I run

N. 0° 01' W. bet. secs. 35 and 36.

Ascending through dense brush and scattering cedars.

7.00 Ascend more abruptly

24.00 Top of point of ridge bearing N.E.; Descend.

31.00 Bottom of gulch, course W.; ascend W. slope of ridge diagonally.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 35 1/4 on W.; and S. 36 on E. half. from which

A cedar 8. ins. diam bears S. 65° 55' W. 89 lks. dist. marked 1/4 S. 35 B.T.

A cedar 6 ins. diam. bears N. 78° 02' E. 89 lks. dist. marked 1/4 S. 36 B.T.

41.00 Descend abruptly through dense cedars.

52.50 Bottom of draw, course S.W., ascend.

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

Subdivisions of Tp. 24 North, Range 9 West.

	on brass cap. T. 24 N. - S. 26 in N.W.; R. 9 W. - S. 25, in N.E.; S. 36 in S.E.; and S. 35 in S.W. quadrant, from which A cedar 36 ins. diam. brans S. 29° 45' E. 38 lks. dist. marked T. 24 N. R. 9 W. S. 36 B.T. A cedar 7 ins. diam. brans S. 18° 35' W. 34 lks. dist. marked T. 24 N. R. 9 W. S. 35 B.T. A cedar 6 ins. diam. brans N. 23° 10' W. 86 lks. dist. marked T. 24 N. R. 9 W. S. 26 B.T. A cedar 5 ins. diam. brans N. 37° 30' E. 176 lks. dist. marked T. 24 N. R. 9 W. S. 25 B.T. Land rough and hilly: Soil thin and rocky, though sustaining a good growth of grama grass. Dense cedars 39.00 Chs.; Dense brush 80.00 chs.
	East on a random line bet. secs. 25 and 36.
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect E. bdy. Tp. 11 lks. S. of cor. of secs. 25, 30, 31 and 36, recently set by me. Thence I run S. 89° 55' W. on a true line bet. secs. 25 and 36 Over rough hilly land, through scattering cedars and burnt cedars.
40.08	Set an iron post 1 in. diam, 3 ft. long, 26 ins. in ground for 1/4 sec. cor., marked on brass cap.: S. 25 1/4 on N.; and S. 36 on S. half; from which A cedar branch 6 ins. diam. brans N. 21° 30' W. 169 lks. dist. marked 1/4 S. 25 B.T. A cedar 12 ins. diam. brans S. 52° 50' E. 302 lks. dist. marked 1/4 S. 36 B.T. Descending
44.00	Bottom of draw, course S.W., Ascend
56.00	Draw, course S.E., Ascend,
61.00	Top of rise, Descend.
75.00	Enter dense cedars.
80.16	The cor. of secs. 25, 26, 35 and 36.

Subdivisions of Tp. 24 North, Range 9 West.

	Land rough and hilly.
	Dense cedars 5.00 chs.
	Burnt cedars and dense brush 75.16 chs.
	Soil: rocky and thin.
	Good growth of grama grass 80.16 chs.

	N. 0° 01' W. bet. secs. 25 and 26.
	Over rough, hilly land, through dense brush and scattering cedars.
10.00	Enter dense cedars.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 26 1/4 on W.; and S. 25 on E. half, from which A cedar 12 ins. diam. brs N. 61° 55' E. 44 lks. dist. marked 1/4 S. 25 B.T. A cedar 10 ins. diam. brs S. 73° 32' W. 26 lks. dist. marked 1/4 S. 26 B.T.
49.00	Cedars become scattering.
70.00	Ascend through burnt cedars over large red sand stone boulders.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 23. 24. 25 and 26, marked on brass cap: T. 24 N. - S. 23 on N. W.; R. 9 W. - S. 24 in N. E.; S. 25 in S. E.; and S. 26 in S. W. quadrant, from which A cedar 8 ins. diam. brs N. 69° 12' E. 68 lks. dist. marked T. 24 N. R. 9 W. S. 24 B.T. A cedar 8 ins. diam. brs N. 45° 45' W. 114 lks. dist. marked T. 24 N. R. 9 W. S. 23 B.T. A cedar 12 ins. diam. brs S. 41° 42' W. 321 lks. dist. marked T. 24 N. R. 9 W. S. 26 B.T. A cedar 8 ins. diam. brs S. 36° 03' E. 398 lks. dist. marked T. 24 N. R. 9 W. S. 25 B.T.
	Land hilly: Dense cedars 39.00 chs. Dense brush 80. chs.
	Soil. rocky. subsoil - below 12 ins. - hard lime.

Subdivisions of Tp. 24 N. Range 9 West.

	N. 89° 55' E. on a random line bet. secs 24 and 25.
40.00	Set limp. 1/4 sec. cor.
80.09	Intersect E. bdy. Tp. 7 lks. N. of cor. of secs. 19. 24. 25 and 30.; Thence I run
	S. 89° 57' W. on a true line bet. secs. 24 and 25.
	Over rough, hilly land, descending through dense cedars
10.00	Bottom of gulch, course N., ascend
15.00	Top of ascent. Descend
20.50	Bottom of draw, course N.E. Ascend.
36.00	Cedars become scattering.
40.04½	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap:
	S. 24 1/4 on N.; and
	S. 25 on S. half, from which
	A cedar 7 ins. diam. brs. N. 54° 18' E. 144. lks. dist. marked 1/4 S. 24 B.T.
	A cedar 10 ins. diam. brs. S. 49° 54' E. 284 lks. dist. marked 1/4 S. 25 B.T.
80.09	The cor. of secs. 23. 24. 25 and 26.
	Land rough and hilly.
	Dense cedars 36.00 chs.
	Dense brush 80.09 chs.
	Soil: rocky and thin.
	Good grama grass 80.09 chs.
	Nov 25. 1910

Nov 28: at 8h 00m a.m. l.m.t. I set off 21° 10½' S. on the decl. arc; 35° 27' S on the lat. arc; and determine a meridian with the solar at the cor. of secs. 23. 24. 25 and 26; thence I run

N. 0° 01' W. bet. secs. 23 and 24.

Ascending through dense brush, scattering cedars and burnt cedars.

40.00.	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap:
	S. 23 1/4 on W. and
	S. 24 on E. half. from which
	A cedar 6 ins. diam. brs S. 59° 08' W. 146 lk. dist.

Subdivisions of Tp. 24 N. Range 9 West.

	marked 1/4 S. 23 B.T.
	A cedar 12 ins. diam. bears S. 73° 42' E. 144 lks. dist.
	marked 1/4 S. 24 B.T.
68.00	Enter dense cedars.
80.00	Set an iron post 3 ft. long, 2 ins diam. 24 ins. in ground for cor. of secs 13. 14. 23 and 24, marked on brass cap:
	T. 24 N. - S. 14 in N. W.;
	R. 9 W. - S. 13 in N. E.;
	S. 24 in S. E.; and
	S. 23 in S. W. quadrant, from which
	A cedar 6 ins. diam. bears S. 73° 25' W. 36 lks. dist.
	marked T. 24 N. R. 9 W. S. 23 B.T.
	A cedar 16 ins. diam. bears N. 51° 35' E. 137 lks. dist.
	marked T. 24 N. R. 9 W. S 13 B.T.
	A pinon 9 ins. diam. bears S. 61° 52' E. 123 lks. dist.
	marked T. 24 N. R. 9 W. S. 24 B.T.
	A cedar 8 ins. bears N. 18° 21' W. 194 lks. dist.
	marked T. 24 N. R. 9 W. S. 14 B.T.
	Land rough and hilly.: Dense brush 80.00 Chs.
	Dense cedars 12.00 Chs.
	Soil, rocky and thin, though producing a good growth of grama grass.
	N. 89° 57' E. on a random line bet. secs. 13 and 24
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect E. bdy. Tp. 13 lks. S. of cor. of secs. 13. 18. 19 and 24. Thence I run
	S. 89° 51' W. on a true line bet. secs. 13 and 24
	Over rough, hilly land, ascending thro. dense cedars
6.70	Top of rise, Descend.
10.00	Gulch, course N.
31.40	Gulch, course N.
40.02	Set an iron post 3 ft. long, 1 in. diam. 26 ins in ground for 1/4 sec. cor., marked on brass cap:
	S. 13 1/4 on N.; and
	S. 24 on S. half, from which
	A cedar 12 ins. diam. bears S. 67° 00' E. 169 lks. dist.

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Subdivisions Tp. 24 N. Range 9 West.

	marked 1/4 S. 24 B.T.
	A cedar 10 ins. diam. brs N. 55° 30' E. 29 lks dist.
	marked 1/4 S. 13 B.T.
46.00	Top of point brs S. Descend
48.50	Bottom of rocky gulch, course N.E. at 5 chs turns E. Ascend
65.00	Top of low ridge, brs N. and S. Descend
70.00	Bottom of draw, course N. 10° E. ascend
73.00	Top of ascent.
80.04	The cor. of secs. 13. 14. 23 and 24.
	Land rough and hilly. Dense cedars 80.04 chs.
	Soil: rocky and thin.
	Good grama grass 80.04 chs.
	Dense brush, 80.04 chs.

N. 0° 01' W. bet. secs 13 and 24

	Descending over rough, rocky ground, through dense cedars and brush, and burnt cedars.
3.50	Cedars become scattering. Descend more abruptly into head of deep draw.
9.50	Bottom of draw, course N. 10° E. Ascend through dense cedars, over rough, rocky ground.
24.50	Top of low point, descend.
28.00	Bottom of draw, course E. Ascend.
33.15	Top of rocky point. brs W. Descend
36.30	Bottom of draw, course S. 75° E. Ascend.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: B. 14 1/4 on W.; and S. 13 on E. half, from which
	A cedar 10 ins. diam. brs S. 82° 37' E. 300 lks. dist. marked 1/4 S. 13 B.T.
	A cedar 30 ins. diam. brs N. 26° 45' W. 129 lks. dist. marked 1/4 S. 14 B.T.
	Ascend over red sandstone and lime boulders.
45.00	Top of point, brs W., Descend.
50.25	Bottom of gulch, course E. Ascend abruptly.
73.50	Top of high point. brs W.

Subdivisions of Tp. 24 N. Range 9 West.

74.20	Descend abruptly, cedars become scattering.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap. T. 24 N. - S. 11 in N.W.; R. 9 W - S. 12 in N.E.; S. 13 in S.E.; and S. 14 in S.W. quadrants, from which A cedar 6 ins diam bears S. 67° 12' E, 74 lks. dist. marked T. 24 N. R. 9 W. S. 13 B.T. A cedar 10 ins diam bears N. 6° 13' E. 82 lks. dist. marked T. 24 N. R. 9 W. S. 12 B.T. A cedar 14 ins diam bears N. 7° 30' W. 124 lks. dist. marked T. 24 N. R. 9 W. S. 11 B.T. Raise a mound of stone 2 ft. base 1½ ft high W. of cor. No other trees available - pits impracticable. Land rough and mountainous 80.00 Chs. Dense cedars 5.20 Chs. Soil thin and rocky. Good grama grass 80.00 Chs.
	Nov 28. 1910
	Nov 29: At 8h 00m a.m. l. m. t. I set off 21° 21' S. on the decl. arc; 35° 28' 30" N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 11, 12 13 and 14, thence I run N. 89° 51' E. on a random line bet. secs 12 and 13.
40.00	Set Temp. 1/4 sec. cor.
79.79	Intersect E. bdy. Tp. at the cor. of secs. 7, 12, 13 and 18 Thence I run S. 89° 51' W. on a true line bet. secs. 12 and 13. Through dense cedars and brush, ascending.
11.50	Top of steep slope. Proceed over rough, rocky land.
30.50	Descend.
33.00	Bottom of gulch, course N. Ascend
39.89½	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S 1/4 on N.; and S. 13 on S. half, from which A cedar 8 ins diam bears N. 80° 30' E, 14 lks. dist.

Subdivisions of Tp. 24 N. Range 9 West.

	marked 1/4 S. 12 B.T.
	A pinon 8 ins. diam. bears S. 18° 15' W. 71 lks dist. marked 1/4 S. 13 B.T.
44.00	Top of ascent, Descend.
49.00	Bottom of draw near its head, course S. Ascend steep hill
60.00	Top of round hill 400 ft. above its base, Descends
69.00	Bottom of draw, course S.E., Leave cedars. Asc.
79.79	The cor. of secs. 11. 12. 13 and 14.
	Land rough and hilly.
	Dense cedars 69.00 chs.; Dense brush 79.79 chs.
	Good grama grass 79.79 chs.
	Soil rocky and thin.
	N. 0° 01' W. bet. sec. 11 and 12
	Descending steep side of hill through scattering cedars and dense brush.
3.50	Bottom of gulch 100 ft. deep, course E. Ascend steep slope through dense cedars.
11.50	Top of ascent; thence along E. slope of mesa.
34.00	Descend abruptly.
35.00	Foot of steep descent; continue to descend gradually.
40.00	Bottom of draw, course N.W. Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 11 1/4 on W.; and S. 12 on E. half, from which A cedar 12 ins. diam. bears N. 84° 42' E. 59 lks. dist. marked 1/4 S. 12 B.T. A cedar 8 ins. diam. bears N. 49° 15' W. 120 lks. dist. marked 1/4 S. 11 B.T.
58.00	Draw, course N. 30° W. Descend
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 1. 2. 11 and 12, marked on brass cap:- T. 24 N.- S. 2 in N.W.; R. 9 W.- S. 1 in N.E.; S. 12 in S.E.; and S. 11 in S.W. quadrants, from which

Subdivisions of Tp. 24 N. Range 9 West.

	A piñon 12 ins. diam. bears N. 35° 07' W. 33 lks. dist. marked T. 24 N. R. 9 W. S. 2 B.T.
	A piñon 11 ins. diam. bears S. 47° 15' W. 20 lks. dist. marked T. 24 N. R. 9 W. S. 11 B.T.
	A piñon 12 ins. diam. bears N. 47° 00' E. 6 lks. dist. marked T. 24 N. R. 9 W. S. 1 B.T.
	A cedar 7 ins. diam. bears S. 39° 40' E. 62 lks. dist. marked T. 24 N. R. 9 W. S. 12 B.T.
	Land rough and mountainous.
	Dense cedars and piñons 76.50 Chs.
	Dense brush 80.00 Chs.
	Soil; very rocky but supports a good growth of grama grass.
	N. 89° 51' E. on a random line bet. secs. 1 and 12
40.00	Set temp. 1/4 sec. Cor.
80.15	Intersect E. bdy. Tp. 2 lks. N. of cor. of secs. 1. 6. 7 and 12; Thence I run
	S. 89° 52' W. on a true line bet. secs. 1 and 12.
	Ascending gradual slope
13.62	Intersect C. Santa Fé Pacific R.R. S. 55° 31' E. 255 ft. dist. from M.P. No 450 - Bears N. 55° 31' W. and S. 55° 31' E.
14.00	Ascend steep slope of mesa over large lime boulders and through dense brush.
36.50	Top of lime stone bluff 800 ft. high, bears S.E. and N.W.
	Proceed through dense cedars and piñons.
40.07½	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. Cor., marked on brass cap: S. 1 1/4 on N.; and S. 12 on S. half, from which
	A cedar 12 ins. diam. bears S. 29° 25' W. 61 lks. dist. marked 1/4 S. 12 B.T.
	A cedar 10 ins. diam. bears N. 19° 06' E. 38 lks. dist. marked 1/4 S. 1 B.T.
41.00	Descend over very rocky ground.
61.00	Head of gulch, course S. Ascend,
65.00	Top of ascent

12

2.00

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Subdivisions of Tp. 24 N. R. 9 West.

74.00	Bottom of rocky gulch, course N. 20° W. Ascend.
79.30	Top of point of slope. Descend.
80.15	The cor. of secs. 1. 2. 11 and 12.
	Land rough and mountainous 66.00 Chs.
	Dense cedars and pinons 43.00 Chs.
	Dense brush 66.00 Chs.
	Soil: E. 10.00 Chs. good quality of sandy loam mixed with lime gravel.; W. 70.00 Chs. very rocky.
	Good growth of grama grass 80.15. Chs.
	Nov 29. 1910.
	Carl Barandon, axman quit work today.

Nov 30: At 8h 00m a.m. l. m. t. I set off 21° 31' 00" S. on the decl. arc; 35° 29½' N. on the Lat. arc; and determine a meridian with the solar at the cor. of secs. 1. 2. 11 and 12 thence I run

N. 0° 0' W. on a true line bet. secs. 1 and 2.

Descending through dense cedars, pinons and brush.

20.00	Bottom of draw, course E. ascend.
24.68	Intersect A. Santa Fé Pacific R. R. on 6° 11' curve - in cut - 363 ft. easterly from M. P. 451
	Point 100 ft. W. on curve brass N. 67° 14' W.
	Point 100 ft. E. on curve brass S. 73° 14' E.
31.80	Top of ascent - Descend.
35.60	Descend abruptly
37.12	Road Yampai to Seligman, brass E. and W.
37.20	Bottom of ravine 10 ft. deep, course E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap:
	S. 2 1/4 on W.; and
	S. 1 on E. half, from which
	A cedar 12 ins. diam. brass N. 41° 50' E. 67 lks. dist. marked 1/4 S. 1 B. T.
	A cedar 14 ins. diam. brass S. 76° 25' W. 112 lks. dist. marked 1/4 S. 2 B. T.
48.00	Head of draw, course S. E. - Ascend
53.60	Top of ascent, Descend.
57.40	Bottom of draw, course S. E. - Ascend.
73.50	Intersect 6th Standard Parallel North, 19.09 Chs.

Subdivision of Tp. 24 N. Range 9 West.

W. of standard cor. of Tps. 25 N. Rs. 8 and 9 West.
Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for closing cor. of secs. 1 and 2, marked on brass cap:
C.C. N. of center;
T. 25 N. R. 9 W. - S. 36 on N.;
S. 1 in S.E.; and
S. 2 in S.W., from which
A piñon 10 ins. diam. bears S. 21° 20' W. 35 lks. dist.
marked T. 24 N. R. 9 W. S. 2 C.C. B.T.
A cedar 8 ins. diam. bears S. 14° 21' E. 62 lks. dist.
marked T. 24 N. R. 9 W. S. 1 C.C. B.T.
Land rough and hilly.
Soil rocky, but supports good grama grass.
Dense cedars and piñons 73.50 Chs.

Nov 30, 1910.

Dec. 1. 1910, I employ John Aubrey as axman.
Dec. 2: At 2h 00m p.m. l.m.t., I set off 21° 54' 30" S. on the decl. arc; 35° 25' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 2. 3. 34 and 35 on the S. bdy.. Thence I run
N. 0° 01' W. bet. secs. 34 and 35
Ascending through dense cedars

3.00	Top of ascent
4.00	Descend
6.10	Head of draw, course S.E., Ascend.
12.30	Top of ascent.
13.00	Descend.
26.00	Foot of descent, head of draw, course N.W. Proceed over rolling land.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 34 1/4 on W.; and S. 35 on east half, from which

A piñon 7 ins. diam. bears N. 80° 58' E. 30 lks. dist.
marked 1/4 S. 35 B.T.
A piñon 8 ins. diam. bears S. 72° 46' W. 102 lks. dist.
marked 1/4 S. 34 B.T.

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Subdivision of Tp. 24 N. Range 9 West.

55.00 Cedars become scattering.
60.00 Leave cedars,- Descending- Drainage to N.W.
80.00 Set an iron post, 2 ins. diam. 3 ft. long, 24 ins. in ground for cor. of secs. 26, 27, 34 and 35, marked on brass cap:
T. 24 N.- S. 27 in N.W.;
R. 9 W.- S. 26 in N.E.;
S. 35 in S.E.; and
S. 34 in S.W. quadrant,
dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land hilly 26.00 Chs.; rolling 54.00 Chs.
Soil rocky for 60.00 Chs.; N. 20.00 Chs. a light brown sandy loam mixed with small gravel.
Good grama grass 80.00 Chs.
Dense cedars and pinons 55.00 Chs.

Dec. 2, 1910.

Dec. 3: At 8h 00m a.m. l.m.t. I set off 22° 00' S. on the decl. arc; 35° 26' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 26, 27, 34 and 35; thence I run
E. on a random line bet. secs. 26 and 35.
40.00 Set temp. ¼ sec. cor.
79.92 Intersect N. and S. line 9 lks. N. of cor. to secs. 25, 26, 35 and 36.; thence I run
N. 89° 56' W. on a true line bet. secs. 26 and 35.
Through dense brush and burnt cedars, over rolling land.
37.00 Leave burnt cedars and enter dense cedars.
39.96 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for ¼ sec. cor. marked on brass cap:
S. 26 ¼ on N.; and
S. 35 on S. half, from which
A cedar 6 ins. diam. brs S. 35° 26' E. 70 lks. dist. marked ¼ S. 35 B.T.
A pinon 10 ins. diam. brs N. 66° 19' E. 61 lks. dist. marked ¼ S. 26 B.T.
55.00 Leave cedars, Descend through open park.

Subdivisions Tp. 24 N. Range 9 West.

79.92	The cor. of secs. 26. 27. 34 and 35.
	Land rolling:
	Dense cedars 18.00 Chs.
	Dense burnt cedars and brush 37.00 Chs.
	Soil: E. 45.00 Chs. rocky; W. 35.00 Chs. a light sandy loam mixed with gravel.
	Good grama grass 79.92 Chs.
	N. 0° 01' W. between secs. 26 and 27.
	Ascending gradually N. slope.
10.50	Enter dense cedars - ascent becomes steeper.
20.00	Top of ascent.
24.00	Descend
26.00	Cedars become thinner.
33.00	Head of draw, course S. E. - Ascend.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 27 1/4 on W. and S. 26 on E. half, from which A pinon 10 ins. diam. brs S. 45° 45' W. 124 lks. dist. marked 1/4 S. 27 B. T. A cedar 10 ins. diam. brs S. 9° 34' E. 247 lks. dist. marked 1/4 S. 26 B. T.
43.00	Enter dense cedars
60.00	Cedars become scattering.
80.00	Set an iron post 3 ft. long, 2 ins. diam, 24 ins. in ground for cor. of secs. 22. 23. 26 and 27, marked on brass cap. T. 24 N. - S. 22 in N. W.; R. 9 W. - S. 23 in N. E.; S. 26 in S. E.; and S. 27 in S. W. quadrants. from which A cedar 8 ins. diam. brs S. 24° 20' W. 241 lks. dist. marked T. 24 N. R. 9 W. S. 27 B. T. A cedar 9 ins. diam. brs N. 37° 00' E. 244 lks. dist. marked T. 24 N. R. 9 W. S. 23 B. T. A cedar 9 ins. diam. brs N. 23° 42' W. 148 lks. dist. marked T. 24 N. R. 9 W. S. 22 B. T.

Subdivision of Tp. 24 N. Range 9 West.

	No other trees available; dig pit 18x18x12 ins. in sec. 26, 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land rolling: Soil rocky - subsoil below 12 ins a hard lime cement. Dense cedars 32.50 Chs. Good grama grass 80.00 Chs.
	S. 89° 56' E. on a random line bet. secs. 23 and 26.
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line 8 lks. N. of cor. of secs. 23, 24, 25 and 26; thence I run N. 89° 53' W. on a true line bet. secs. 23 and 26, Over rolling land through dense cedars.
20.00	Cedars brooms scattering.
39.98	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 23 1/4 on N.; S. 26 on S. half, from which A cedar 7 ins. diam. brass N. 78° 23' E. 336 lks. dist. marked 1/4 S. 23 B. T. A cedar 6 ins. diam. brass ~~S. 79° 0' W.~~ N. 265 lks. dist. marked 1/4 S. 26 B. T.
40.50	Draw, course S. Ascend. through burnt cedars and dense brush.
79.96	The cor. of secs. 22, 23, 26 and 27. Land rolling: Soil: a sandy loam mixed with lime gravel: sub-soil below 12 ins. a hard lime cement. Dense cedars 20.00 Chs. Dense brush 79.96 Chs. Good grama grass 79.96 Chs.
	N. 0° 01' W. bet. secs. 22 and 23 Ascending over rolling land.
3.00	Enter dense cedars
25.00	Cedars brooms scattering, Descend gradual slope.

Subdivision of Tp. 24 N. Range 9 West.

40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 22 1/4 on W.; aug S. 23 on E. half, from which a A cedar 12 ins. diam. brs N. 80° 06' E. 228 lks. dist. marked 1/4 S. 23 B.T. A cedar 12 ins. diam. brs N. 76° 33' W. 111 lks. dist. marked 1/4 S. 22 B.T.
65.00	Ascend gradual slope
75.00	Enter dense cedars
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 14. 15. 22 aug 23, marked on brass cap: T. 24 N. - S. 15 on N.W.; R. 9 W. - S. 14 in N.E. S. 23 in S.E.; aug S. 22 in S.W. quadrants, from which A cedar 9 ins. diam. brs N. 39° 30' W. 20 lks. dist. marked T. 24 N. R. 9 W. S. 15 B.T. A cedar 8 ins. diam. brs S. 52° 45' W. 13 lks. dist. marked T. 24 N. R. 9 W. S. 22 B.T. A cedar 12 ins. diam. brs S. 4° 40' E. 51 lks. dist. marked T. 24 N. R. 9 W. S. 23 B.T. A cedar 12 ins. diam. brs N. 46° 28' E. 109 lks. dist. marked T. 24 N. R. 9 W. S. 14 B.T. Land rolling: Dense cedars 27.00 Chs. Soil a sandy loam mixed with lime gravel; Sub-soil, a hard lime cement below 12 ins. Good grama grass 80.00 Chs. Dec. 3. 1910.
	Dec. 4: At 8h 00m a.m. l.m.t. I set off 22° 08' 30" S. on the decl. arc; 35° 28' N. on the lat. arc; aug determine a meridian at the cor. of secs. 14, 15. 22 aug 23 thence I run S. 89° 53' E. on a random line bet. secs. 14 aug 23,
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect N. aug S. line 5 lks. S. of cor. to secs. 13, 14. 23. aug 24.

Subdivision of Tp. 24 N. Range 9 West.

	Thence I run
	N. 89° 55' W. on a true line bet. secs. 14 and 23,
	Over rolling land, through dense cedars, descending.
5.50	Draw, course N. 30° E. Ascend.
13.00	Top of ascent, Leave cedars.
39.97½	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 14 1/4 on N.; and S. 23 on S. half, from which A cedar 7 ins. diam. bears N. 60° 10' W. 183 lks. dist. marked 1/4 S. 14 B.T. A cedar 14 ins. diam. bears S. 59° 46' W. 257 lks. dist. marked 1/4 S. 23 B.T.
62.00	Enter dense cedars
79.95	The cor. of secs. 14. 15. 22 and 23,
	Land rolling.
	Soil: a sandy loam mixed with small lime gravel, with a hard lime sub-soil.
	Dense cedars 31.00 chs.
	Good growth of grama grass 80.00 chs.
	N. 0° 01' W. between secs. 14 and 15.
	Over rolling land, through dense cedars and pinons.
12.00	Leave cedars.
15.00	Centre of draw, course W.
18.00	Enter dense cedars.
27.00	Leave cedars.
30.00	Draw, course N.W.
37.00	Enter dense cedars.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 15 1/4 on W.; and S. 14 on E. half, from which A cedar 12 ins. diam. bears N. 80° 43' E. 13 lks. dist. marked 1/4 S. 14 B.T. A cedar 16 ins. diam. bears N. 84° 38' W. 144 lks. dist. marked 1/4 S. 15 B.T.
50.00	Descend gradual slope.

Subdivisions Tp. 24 N. Range 9 West.

51.00	Leave cedars.
55.00	Enter open draw, course N. W.
60.00	Enter dense cedars.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 10. 11. 14 and 15, marked on brass cap. T. 24 N. - S. 10 in N. W.; R. 9 W. - S. 11 in N. E.; S. 14 in S. E.; and S. 15 in S. W. quadrants, from which A cedar 16 ins. diam. bears S. 66° 55' E. 26 lks. dist. marked T. 24 N. R. 9 W. S. 14 B. T. A cedar 12 ins. diam. bears S. 53° 05' W. 75 lks. dist. marked T. 24 N. R. 9 W. S 15 B. T. A cedar branch 8 ins. diam. bears N. 61° 22' E. 166 lks. dist. marked T. 24 N. R. 9 W. S. 11 B. T. A pinon 7 ins. diam. bears N. 78° 52' W. 79 lks. dist. marked T. 24 N. R. 9 W. S. 10 B. T. Land rolling. Soil: a heavy, reddish clay with hard lime sub-soil. - Dense cedars 60.00 Chs. Good grama grass 80.00 Chs.
	S. 89° 55' E. on a random line bet. secs. 11 and 14
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect N. and S. line at the cor. of secs. 11. 12. 13. and 14; thence I run N. 89° 55' W. on a true line bet. secs. 11 and 14. Descending through dense cedars.
2.40	Bottom of gulch, course N., Ascend.
10.00	Top of ascent.
39.97½	Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 11 1/4 on N.; and S. 14 on S. half.; from which A cedar 12 ins. diam. bears S. 65° 56' E. 228 lks. dist. marked 1/4 S. 14 B. T. A cedar 6 ins. diam. bears N. 39° 03' E. 149 lks. dist.

Subdivisions Tp. 24 N. Range 9 West.

	marked 1/4 S. 11 B.T.
64.00	Leave cedars; descend
66.50	Draw, course N.W. ascend.
70.00	Enter dense cedars
79.95	The cor. of secs. 10. 11. 14 and 15.
	Land rolling.
	Dense cedars 74.00 Chs.
	Good grama grass 79.95 Chs.
	Soil: Rather heavy loam mixed with gravel with a hard lime sub-soil.

N. 0° 01' W. bet. secs 10 and 11.

	Over rolling ground, through dense cedars.
12.50	Leave cedars. Descend gentle slope.
22.50	Draw, course N.W. Ascend gradual slope.
30.00	Enter dense cedars and pinions.
35.00	Cedars become scattering.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 10 1/4 on W. and S. 11 on E. half, from which A cedar 8 ins. diam. bears N. 9° 20' E. 239 lks. dist. marked 1/4 S 11 B.T. A cedar 24 ins. diam. bears N. 68° 05' W. 234 lks. dist. marked 1/4 S. 10 B.T.
46.00	Enter dense cedars
65.00	Top of ascent, Descend.
72.00	Leave cedars.
74.00	Draw, course N.W. Ascend
76.00	Enter dense cedars.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap: T. 24 N - S. 3 in N.W.; R. 9 W. - S. 2 in N.E.; S. 11 in S.E.; S. 10 in S.W. quadrant.; from which

Subdivision of Tp. 24 N. Range 9 West.

A cedar 7 ins. diam. brans S. 71° 36' W. 55 lks. dist.
marked T. 24 N. R. 9 W. S. 10 B.T.
A cedar 10 ins. diam. brans N. 3° 23' W. 62 lks. dist.
marked T. 24 N. R. 9 W. S. 3 B.T.
A cedar 12 ins. diam. brans S. 23° 10' E. 11 lks. dist.
marked T. 24 N. R. 9 W. S. 11 B.T.
A cedar 12 ins. diam. brans N. 42° 42' E. 47 lks. dist.
marked T. 21 N. R. 9 W. S. 2 B.T.
Land rolling.
Soil: A yellowish loam mixed with lime gravel,
with a hard lime sub-soil.
Dense cedars 37.00 Chs.
Dense brush. 62.00 Chs.
Good growth of grass 80.00 Chs.

Dec. 4. 1916.

Dec. 6: At 8h 00m a.m. l.m.t. I set off 22° 23' S. on
the decl. arc: 35° 29½' N. on the lat. arc; and determine
a meridian with the solar at the cor. of secs. 2, 3,
10 and 11: thence I run
S. 89° 55' E. on a random line bet. secs. 2 and 11.

40.00 Set temp. 1/4 sec. cor.

79.88 Intersect N. and S. line 13 lks. S. of cor. to secs. 1. 2. 11 and 12,
Thence I run
S. 89° 59' W. on a true line bet. secs. 2 and 11.
Descending through dense cedars

5.00 Bottom of draw, course N.. Ascend.

28.00 Top of ascent. Descend.

36.00 Cedars become thinner

39.94 Set an iron post 3 ft. long, 1 in. in diam. 26 ins.
in ground for 1/4 sec. cor. marked on brass cap:
S. 2 1/4 on N.;
S. 11 on S. half, from which
A cedar 12 ins. diam. brans S. 70° 40' E. 129 lks. dist.
marked 1/4 S. 11 B.T.
A cedar 16 ins. diam. brans N. 41° 30' W. 137 lks. dist.
marked 1/4 S. 2 B.T.

43.50 Cedars become dense. Draw, course N. Asc.

Subdivision of Tp. 24 N. Range 9 West.

49.50	Top of ascent
56.50	Cedars become scattering
59.00	Center of draw, course N. Ascend
62.00	Enter dense cedars.
72.00	Top of ascent
79.88	The cor. of secs. 2. 3. 10 and 11.
	Land rolling.
	Soil; a yellowish loam mixed with lime gravel.
	Dense cedars 67.00 Chs.
	Good grass 79.88 Chs.

N. 0° 01' W. on a true line bet. secs. 2 and 3.

Descending through dense cedars, over rocks.

6.50	Leave rocks. Road from Yampai to Ft. Rock bears N.E. and S.W.
15.00	Cedars become thinner
26.00	Chimney on main part of depot at Yampai Sta. bears N. 32° 15' E.
39.40	Foot of descent. Drainage to E. Ascend
40.00	Point for 1/4 sec. cor. comes on R.R. embankment.
40.43	Grade of S. rail of main track of Santa Fé Pacific R.R. -
	Chimney on depot at Yampai bears N. 81° 00' E.
40.46	Intersect ℄ Santa Fé Pacific R.R. on curve.
	Point on curve 100 ft. easterly bears N. 84° 05' E.
	Point on curve 100 ft. westerly bears S. 85° 38' W.
	Curve post at Sta. 879+53.11, marked 2° C.C. Spiral 5 x 50" is 8 ft. E. of my line.
42.30	Road - bears E & W. ascend.
45.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for witness cor. to 1/4 sec. cor. marked on brass cap:
	W.C. 1/4 in N. 1/2
	S. 3 on W. half. and
	S. 2 on E. half. from which
	A cedar 12 ins. diam. bears N. 73° 20' W. 79 lks. dist.
	marked W.C. 1/4 S. 3 B.T.
	A cedar 12 ins. diam. bears S. 12° 36' E. 156 lks. dist.

Subdivision of Tp. 24 N. R. 9 West.

	marked W.C. 1/4 S. 2 B.T.
~~42.30~~	~~Road from Yampai to Nelson brass S. and W. Record~~
47.00	Enter dense cedars
73.38	Intersect 6th Standard Parallel North 19.12 Chs. W. of standard cor. of secs. 35 and 36, T. 25 N. R. 9 W. Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for closing cor. to secs. 2 and 3, marked on brass cap C.C. N. of centre; T. 25 N. R. 9 W. S. 35 on N. S. 2 in S.E.; and S. 3 in S.W. quad. from which A cedar 10 ins. diam. bears S. 60° 12' E. 35 lks. dist. marked T. 24 N. R. 9 W. S. 2 C.C. B.T. A cedar 8 ins. diam. bears S. 19° 00' W. 47 lks. dist. marked T. 24 N. R. 9 W. S. 3 C.C. B.T. Land rolling. Soil rocky. Dense cedars 41.38 chs. Good grass 73.38 chs. Dec. 6, 1910.

Dec. 7: At 8h 00m a.m. l.m.t. I set off 2° 30' S. on the decl. arc; 35° 25' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the S. bdy.; Thence I run
N. 0° 02' W. bet. secs. 33 and 34
As the sky promises to be overcast I select a number of prominent objects on the hills to the S. to be used as backsights:
Over rolling land, ascending.

9.00	Ascend more abruptly.
12.00	Enter dense cedars and brush
33.30	Top of rise
36.30	Begin to descend
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 33 1/4 on W.;

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Subdivision of Tp. 24 N. Range 9 West.

S. 34 on E. half.; from which
A cedar 24 ins. diam. bears N. 44° 11' E. 69 lks. dist. marked 1/4 S. 34 B.T.
A cedar 16 ins. diam. bears N. 62° 19' W. 22 lks. dist. marked 1/4 S. 33 B.T.

50.00 Cedars become scattering.

52.00 Draw, course S.W., ascend.

74.00 Top of ascent, Descend.

80.00 Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap:
T. 24 N. - S. 28 in N.W.;
R. 9 W. - S. 27 in N.E.;
S. 34 in S.E.;
S. 33 in S.W. quadrant.; from which
A cedar 12 ins. diam. bears N. 72° 05' E. 206 lks. dist. marked T. 24 N. R. 9 W. S. 27 B.T.
A cedar 12 ins. diam. bears S. 64° 20' E. 162 lks. dist. marked T. 24 N. R. 9 W. S. 34 B.T.
No trees on W. of cor.: Raise a large mound of stone W. of cor.: Pits impracticable.
Land rolling: Soil rocky with very hard lime sub-soil.
Dense cedars 38.00 Chs.
Dense buck brush 68.00 Chs.
Good grama grass 80.00 Chs.

Dec. 7. 1910

Dec. 8: At 8h 00m a.m. l.m.t. I set off 22° 37' S. on the decl. arc; 35° 25' 30" N. on the lat. arc: and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34; Thence I run
East on a random line bet. secs. 27 and 34.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line 7 lks. S. of cor. of secs. 26, 27, 34 and 35; thence I run
S. 89° 57' W. on a true line bet. secs. 27 and 34.
Descending gradual slope of valley

Subdivision of Tp. 24 N. R. 9 West.

14.00	Foot of descent, Drainage to S.W. Ascend.
30.00	Enter scattering cedars and dense brush and rocky land
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 27 1/4 on N.; and S. 34 on S. half, from which A cedar 12 ins. diam. brs S. 51° 51' W. 2.13 lks. dist. marked 1/4 S. 34 B.T. No other tree available. Raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
80.02	The cor. of secs. 27. 28. 33 and 34. Land rolling. Scattering cedars and dense brush 50.00 Chs. Soil: E. 30.00 Chs. a heavy loam mixed with lime gravel; W. 50.00 Chs. rough and rocky. Good grama grass 80.02 Chs.

N. 0° 02' W. bet. secs. 27 and 28.
Descending gently slope through scattering cedars and dense brush

15.00	Bottom of draw, course S.W. Ascend.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 28 1/4 on W.; and S. 27 on E. half, from which A cedar 8 ins. diam. brs N. 23° 54' E. 2.20 lks. dist. marked 1/4 S. 27 B.T. A cedar 10 ins. diam. brs S. 71° 20' W. 1.75 lks. dist. marked 1/4 S. 28 B.T.
60.00	Enter dense cedars.
67.30	Top of rise
73.00	Cedars become scattering. Descend.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 21, 22, 27 and 28, marked on brass cap: T. 24 N. - S. 21 in N.W.; R. 9 W. - S. 22 in N.E.; S. 27 in S.E.; and

Subdivisions Tp. 24 N. Range 9 West.

S. 28 in S. W. quadrant, from which:
A cedar 6 ins. diam. brans N. 62° 38' W. 108 lks. dist.
marked T. 24 N. R. 9 W. S. 21 B. T.
A cedar 6 ins. diam. brans S. 75° 48' W. 65 lks. dist.
marked T. 24 N. R. 9 W. S. 28 B. T.
A cedar 6 ins. diam. brans S. 79° 22' E. 231 lks. dist.
marked T. 24 N. R. 9 W. S. 27 B. T.
A cedar 6 ins. diam. brans N. 41° 27' E. 492 lks. dist.
marked T. 24 N. R. 9 W. S. 22 B. T.
Land rolling:
Dense cedars 13.00 Chs.
Scattering cedars and dense brush 80.00 Chs.
Soil: A rather heavy, dark reddish loam mixed with lime gravel-

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N. 89° 57' E. on a random line bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

80.15 Intersect N. and S. line 11 lks. N. of cor. of secs. 22, 23, 26 and 27; thence I run

N. 89° 58' W. on a true line between secs. 22 and 27
Over rough, rolling land, ascending.

15.00 Top of ascent. Descend gradually.

22.00 Foot of descent,

30.00 Enter dense cedars and pinons and dense brush, descend.

40.07½ Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap:
S. 22 1/4 on N.; and
S. 27 on S. half, from which
A pinon 10 ins. diam. brans N. 59° 50' W. 15 lks. dist.
marked 1/4 S. 22 B. T.
A pinon 10 ins. diam. brans S. 45° 00' W. 65 lks. dist.
marked 1/4 S. 27 B. T.

45.00 Cedars brooms scattering.

80.15 The cor. of secs. 21, 22, 27 and 28.
Land rough and rolling.: Soil dark loam mixed with gravel: Dense timber 15.00 Chs.; Dense brush 80.00 Chs.
Good grass 80.00 Chs.

Dec. 8. 1910.

Subdivision of Tp. 24 N. R. 9 West.

	Dec. 9: At 8h 00m a.m. l.m.t. I set off 22° 44' S. on the decl. arc; 35° 27' N. on the lat. arc; and determine a meridian at the cor. of secs. 21, 22, 27 and 28; thence I run
	N. 0° 02' W. bet. secs. 21 and 22
	Descending over rolling ground, through moderately thick brush.
15.00	Bottom of draw, course W. Ascend.
30.00	Enter dense cedars.
40.00	Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in ground, for 1/4 sec. cor. marked on brass cap: S. 21 1/4 on W.; and S. 22 on E. half., from which A pinon 10 ins. diam. brans. S. 48° 11' E, 73 lks. dist. marked 1/4 S. 22 B.T. A cedar 6 ins. diam. brans S. 82° 40' W. 47 lks. dist. marked 1/4 S. 21 B.T.
44.00	Top of rise – Descend.
60.00	Cedar brush scattering.
75.74	Road Yampai to Ft. rock, brans N. 30° E and S. 10° W.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap T. 24 N – S. 16 in N.W.; R. 9 W. – S. 15 in N.E.; S. 22 in S.E.; and S. 21 in S.W. quadrant; from which A cedar 7 ins. diam. brans S. 50° 36' W. 109 lks. dist. marked T. 24 N. R. 9 W. S. 21 B.T. A cedar 8 ins. diam. brans N. 18° 50' E. 210 lks. dist. marked T. 24 N. R. 9 W. S. 15 B.T. A cedar 10 ins. diam. brans N. 45° 00' W. 275 lks. dist. mkd. T. 24 N. R. 9 W. S 16 B.T. A cedar 8 ins. diam. brans S. 44° 40' E. 345 lks. dist. marked T. 24 N. R. 9 W. S 22 B.T.
	Land rolling: Dense cedars 30.00 Chs.
	Soil: a heavy dark loam mixed with lime gravel with a hard lime sub-soil
	Good grama grass 80.00 Chs.

Subdivision of Tp. 24 N. Range 9 West

	S. 89° 58' E. on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
80.20	Intersect N. and S. line 11 lks. S. of cor. of secs. 14. 15. 22 and 23; thence 9 rm
	S. 89° 57' W. on a true line bet. secs. 15 and 22
	Over rolling ground, through dense cedars. Desc.
5.00	Draw, course S. Ascend.
12.70	Top of ascent, Descend.
22.50	Draw, course N. Ascend.
30.00	Cedars become scattering.
40.10	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 15 1/4 on N.; and
	S. 22 on S. half, from which
	A cedar 6 ins. diam. bears S. 18° 20' E. 98 lks. dist. marked 1/4 S. 22 B. T.
	A cedar 8 ins. diam. bears N. 18° 55' E. 230 lks. dist. marked 1/4 S. 15 B. T.
44.00	Enter dense timber
46.70	Top of rise. Drainage to N. and W. Descend
74.00	Cedars become scattering.
78.70	Road from Yampai to Ft. Rock, bears N 30° E. and S 30° W.
80.20	The cor. of secs. 15. 16. 21 and 22
	Land rolling.
	Dense cedars 60.00 Chs.
	Soil; a heavy brown loam mixed with gravel.
	Good grama grass 80.20 Chs.

N. 0° 02' W. bet. secs. 15 and 16.

Ascending gentle slope through scattering cedars and dense brush.

6.00	Top of ascent. — Descend.
30.00	Enter dense cedars — Ascend.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 16 1/4 on W.; and
	S. 15 on E. half, from which

Subdivision of Tp. 24 N. Range 9 West.

	A cedar 10 ins. diam. bears S. 61° 22' E. 21 lks. dist. marked 1/4 S. 15 B.T.
	A cedar 12 ins. diam. bears S. 58° 05' W. 58 lks. dist. marked 1/4 S. 16 B.T.
60.00	Top of ascent. — Descend.
65.00	Top of low rock bluff, bears N.W. and S.E.
	Descend abruptly
66.00	Foot of bluff.
70.00	Cedars become thinner.
78.00	Draw, course N.W.
80.00	Set an iron post 3 ft. long 2 in. in diam. 26 ins. in ground for cor. of secs. 9. 10. 15 and 16, marked on brass cap:
	T. 24 N. — S. 9 in N.W.;
	R. 9 W. — S. 10 in N.E.;
	S. 15 in S.E.; and
	S. 16 in S.W. quadrant, from which
	A cedar 12 ins. diam. bears N. 41° 12' E. 140 lks. dist. marked T. 24 N. R. 9 W. S. 10 B.T.
	A cedar 36 ins. diam. bears N. 24° 15' W. 421 lks. dist. marked T. 24 N. R. 9 W. S. 9 B.T.
	A cedar 14 ins. diam. bears S. 25° 42' E. 495 lks. dist. marked T. 24 N. R. 9 W. S. 15 B.T.
	No other trees available.
	Dug pit 18 x 18 x 12 in sec. 16, 5 1/2 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land rolling.
	Dense cedars 40.00 Chs.
	Scattering cedars and dense brush. 40.00 Chs.
	Soil: A brown sandy loam mixed with gravel.
	Good grama grass 80.00 Chs.
	N. 89° 57' E. on a random line bet. secs. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
80.24	Intersect N. and S. line 7 lks. N. of cor. of secs. 10. 11. 14 and 15; thence I run
	W. on a true line bet. secs. 10 and 15.
	Over rough, rolling ground, through dense cedars.

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BOOK 2224

Subdivision of Tp. 24 N. Range 9 West.

20.00	Drainage to N. and W.
29.00	Cedars become scattering.
31.24	Road from Yampai to Ft. Rock, brass N.E. and S.W.
33.00	Draw, course N. - Ascend.
40.12	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 10 1/4 on N.; and S. 15 on S. half, from which a A cedar 6 ins. diam. brass N. 32° 42' W. 36 lks. dist. marked 1/4 S. 10 B.T. A cedar 18 ins. diam. brass S. 63° 25' W. 299 lks. dist. marked 1/4 S. 15 B.T.
49.00	Enter dense cedars
65.00	Draw, course S.W. Ascend.
70.50	Top of ascent, Descend.
72.00	Edge of low limestone bluff, brass N.W. and S.E. Descend abruptly.
76.00	Bottom of steep descent; continue to descend. cedars scattering
80.24	The cor. of secs. 9. 10. 15 and 16 Land rough and rolling. Dense cedars 36.24 chs. Soil is thin and rocky with hard lime sub-soil Good grama grass 80.24 chs. Dec. 9. 1910

Dec. 12; At 8h 00m a.m. l.m.t. I set off 22° 59' S. on the decl. arc; 35° 28' 30" N. on the lat. arc; and at the cor. of secs. 9. 10. 15 and 16, determine a meridian with the solar.; thence I run N. 0° 02' W. bet. secs. 9 and 10

Ascending steep slope of mesa

4.00	Enter dense cedars and pinons and brush
10.00	Top of rim of mesa, brass N.W. and S.E. continue to ascend.
11.50	Top of ascent. Descend.
20.00	Descend more abruptly
35.00	Centre of draw, course W. Ascend through open ground.

Subdivisions of Tp. 24 N. Range 9 W.

40.00	Set an iron post 1 in. in diam. 3 ft. long, 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 9 1/4 on W.; and S. 10 on E. half, from which A cedar 20 ins. diam. bears N. 19° 00' W. 405 lks. dist. marked 1/4 S. 9 B.T. A cedar 8 ins. diam. bears N. 56° 05' E. 185 lks. dist. marked 1/4 S. 10 B.T.
47.00	Enter dense cedars and brush.
52.00	Leave cedars. Enter open draw.
66.00	Centre of draw, course W. Ascend.
75.00	Top of ascent. Descend through dense brush.
79.00	Bottom of draw, course W. Ascend.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 3, 4, 9 and 10, marked on brass cap: T. 24 N. - S. 4 in N. W.; R. 9 W. - S. 3 in N. E.; S. 10 in S. E.; and S. 9 in S. W. quadrant., from which A cedar 7 ins. diam. bears N. 60° 43' E. 92 lks. dist. marked T. 24 N. R. 9 W. S. 3 B.T. A cedar 9 ins. diam. bears N. 60° 00' W. 85 lks. dist. marked T. 24 N. R. 9 W. S. 4 B.T. A pinon 12 ins. diam. bears S. 63° 16' W. 118 lks. dist. marked T. 24 N. R. 9 W. S. 9 B.T. A cedar 16 ins. diam. bears S. 38° 26' E. 335 lks. dist. marked T. 24 N. R. 9 W. S. 10 B.T. Land rough and hilly. Dense cedars 36.00 Chs. Dense brush 41.00 Chs. Soil shallow and rocky with hard lime sub-soil Good grama grass 80.00 Chs.
	E. on a random line bet. secs. 3 and 10.
40.00	Set temp. 1/4 sec. cor.
80.18	Intersect N. and S. lines 10 lks. N. of cor. of secs. 2, 3, 10 and 11; thence I run

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220 BOOK 224

Subdivision of Tp. 24 N. Range 9 West.

	N. 89° 56' W. on a true line bet. secs. 3 and 10
7.83	Road bears N.E. and S.W. Bottom of draw, course N.W., Enter dense cedars.
20.00	Cedars become scattering.
30.00	Enter dense cedars, Descending.
38.00	Cedars become thinner.
40.09	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 3 1/4 on N.; and S. 10 on S. half, from which A cedar 8 ins. diam. bears S. 5° 33' W. 117 lks. dist. marked 1/4 S. 10 B.T. A cedar 8 ins. diam. bears N. 70° 34' E. 89 lks. dist. marked 1/4 S. 3 B.T.
80.18	The cor. of secs. 3, 4, 9 and 10. Land rolling. Dense cedars 20.17 chs. Scattering cedars and moderately thick brush 60.00 chs.: Soil, a heavy dark loam mixed with lime gravel. Good grama grass 80.18 chs.

N. 0° 02' W. on a true line bet. secs. 3 and 4.
Ascending through dense brush and scattering cedars.

3.00	Enter dense cedars
12.00	Top of ascent
15.00	Cedars become thinner, Descend
35.60	Road from Nelson to Yampai. Bottom of draw, course W., Ascend.
36.84	Intersect ℄ Santa Fe & Pacific R.R. 188 ft. W. of M.P. 453, marked E.C. and 389+39, No 652. Point 100 ft. easterly bears S. 88° 53' E. Point 100 ft. westerly bears N. 83° 49' W.
39.50	Enter dense cedars and pinons.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap:

Subdivision of Tp. 24 N. R. 9 West.

S. 4, 1/4 on W.; and
S. 3 on E. half, from which
A pinon 12 ins. diam. bears S. 19° 40' W. 13 lks.
dist. marked 1/4 S. 4 B. T.
A pinon 16 ins. diam. bears N. 73° 17' E. 15½ lks.
dist. marked 1/4 S. 3. B. T.

41.50 Top of rise. Descend.
48.00 Leave cedars. Enter open draw.
55.00 Centre of draw, course W.. Ascend.
61.00 Enter dense cedars and brush.
73.30 Intersect 6th Standard Parallel North, 19.06
Chs. W. of the standard cor. of secs. 34 and 35
T. 25 N. R. 9 W.
Set an iron post 3 ft. long, 2 ins. diam. 24 ins
in ground for closing cor. to secs. 3 and 4, mkd.
on brass cap:
C.C. N. of centre;
T. 25 N. R 9 W - S. 34 on N.;
S. 3; in S. E.; and
S 4. in S. W. quad. from which
A cedar branch 10 ins. diam. bears S. 11° 58' W. 41. lks. dist.
marked T. 24 N. R. 9 W. S. 4 C.C. B. T.
A cedar 8 ins. diam. bears S. 57° 42' E. 145 lks,
dist. marked T. 24 N. R. 9 W. S. 3. C.C. B. T,
Land rough and rolling:
Soil, rocky and shallow with a hard lime
sub-soil.
Dense cedars and pinons, 32.80 Chs.
Dense brush, 60.30 Chs.
Good grama grass 73.30 Chs.

Dec. 12, 1910.

Dec. 13: At 8h 00m a.m. l.m.t. I set off 23° 03' 30" S.
on the decl. arc; 35° 25' N. on the lat. arc; and determine
a meridian with the solar at the cor. of secs. 4. 5
32 and 33 on the S. bdy.; thence I run
N. 0° 03' W. bet. secs. 32 and 33.
Ascending gradual slope through scattering

Subdivision of Tp. 24 N. Range 9 West.

	cedars and dense brush. - Drainage to S. W.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 32 1/4 on W.; and S. 33 on E. half, from which A cedar 7 ins. diam. brans N. 40° 35' E. 189 lks. dist. marked 1/4 S. 33 B. T. A cedar 6 ins. diam. brans S. 9° 46' W. 384 lks. dist. marked 1/4 S. 32 B. T.
60.00	Cedars become dense - Drainage to E. and S.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap: T. 24 N. - S. 29 on N. W.; R. 9 W. - S. 28 in N. E.; S. 33 in S. E.; and S. 32 in S. W. quadrant, from which A cedar 16 ins. diam. brans N. 73° 21' W. 221 lks. dist. marked T. 24 N. R. 9 W. S. 29 B. T. A cedar 8 ins. diam. brans N. 75° 54' E. 49 lks. dist. marked T. 24 N. R. 9 W. S. 28 B. T. A cedar 10 ins. diam. brans S. 25° 00' W. 52 lks. dist. marked T. 24 N. R. 9 W. S. 32 B. T. A cedar 10 ins. diam. brans S. 44° 40' E. 51 lks. dist. marked T. 24 N. R. 9 W. S. 33 B. T.
	Land rolling.
	Dense cedars 20.00 Chs.: Dense brush 80.00 Chs.
	Scattering cedars 60.00 Chs.:
	Soil: a rather heavy reddish loam mixed with lime gravel, with a hard, white lime sub-soil below 1/2 ins. in depth.
	Good growth of grama grass 80.00 Chs.

	E. on a random line bet. secs. 28 and 33.
40.00	Set temp. 1/4 sec. cor.
79.94	Intersect N. and S. line 6 lks. N. of cor. to secs. 27, 28,

Subdivision of Tp. 24 N. Range 9 West.

33 and 34.; thence I run
N. 89° 57' W. on a true line bet. secs. 28 and 33.
Descending over rough, rocky land through dense brush and burnt cedars.

9.00 Bottom of draw, course S. W. . Ascend.
36.00 Top of ascent. Leave burnt cedars. Enter dense cedars.
39.97 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 28 1/4 on N.; and S. 33 on S. half, from which
A cedar 10 ins. diam. bears N. 58° 34' E. 17 lks. dist. marked 1/4 S. 28 B.T.
A cedar 10 ins. diam. bears S. 7° 45' W. 11 lks. dist. marked 1/4 S. 33. B.T.
55.00 Bottom of draw, course S. Ascend.
63.00 Top of rise - Cedars become scattering. Descend.
71.00 Draw, course S.
79.94 The cor. of secs. 28, 29, 32 and 33.
Land rough and rocky.
Dense cedars 27.00 chs.; Scattering cedars, 52.94 chs.
Dense brush 80.00 chs.
Soil: Rocky and shallow with hard white lime sub-soil.
Good grama grass 79.94 chs.

N. 0° 03' W. bet. secs. 28 and 29
Ascending over rough, rocky ground, through dense buck brush and scattering cedars & pinons.

12.00 Enter dense timber
18.00 Top of rise, Descend gentle slope. Drainage to W.
19.00 Timber becomes scattering.
38.00 Timber becomes dense
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 29 1/4 on W.; and S. 28 on E. half, from which
A pinon 6 ins. diam. bears S. 12° 08' W. 56 lks. dist.

Subdivisions of Tp. 24 N. R. 9 West.

	marked 1/4 S. 29 B.T. A cedar 12 ins. diam. bears N. 34° 24' E. 94 lks. dist. marked 1/4 S. 28 B.T.
49.00	Leave cedars
75.00	Draw, course S.W. Large area of lime stone bed rock exposed. Ascend.
79.80	Road from Yampai to Ft. Rock bears N.E. and S.W.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 20. 21. 28 and 29, marked on brass cap: T. 24 N. - S. 20 in N.W.; R. 9 W. - S. 21 in N.E.; S. 28 in S.E.; and S. 29 in S.W. quadrant; dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land: S. 49.00 Chs. rough and rocky: N. 31.00 Chs. rolling. Dense cedars 18.00 Chs.: Scattering cedars 31.00 Chs. Dense brush, 49.00 Chs. Soil: rocky with lime bed rock close to surface. Good grama grass 80.00 Chs.

	S. 89° 57' E. on a random line bet. secs. 21 and 28
40.00	Set temp. 1/4 sec. cor.
79.85	Intersect N. and S. line 2 lks. S. of cor. to secs. 21. 22. 27 and 28; thence I run N. 89° 58' W. on a true line bet. secs. 21 and 28 Over rolling land land through scattering cedars.
39.92½	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 21 1/4 on N.; and S. 28 on S. half, from which A cedar 6 ins. diam. bears S. 5° 52' W. 33 lks. dist. marked 1/4 S. 28 B.T., A pinon 12 ins. diam. bears N. 51° 18' W. 268 lks. dist.

Subdivisions of Tp. 24 N. Range 9 West.

	marked 1/4 S. 21 B.T.
+4.00	Enter dense cedars.
+9.00	Top of low lime stone bluff. brass N.E. and S.W.
	Descend.
50.00	Leave cedars.
59.00	Enter open draw.
71.00	Bottom of draw, course S. 50° W. ascend.
79.59	Road from Yampai to Ft. Rock. brass N.E. and S.W.
79.85	The cor. of secs. 20. 21. 28 and 29.
	Land rolling: Dense cedars 6.00 Chs.
	Scattering cedars, +3.85. Chs.
	Dense brush 49.85 Chs.
	Soil: A rather heavy loam mixed with lime gravel,
	with a hard lime sub-soil.
	Good grama grass 79.85.
	Dec. 13. 1910.

Dec. 14; at 8h 00m a.m. l.m.t. I set off 23° 08' S. on the decl. arc; 35° 27' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 20. 21. 28 and 29; thence I run

N. 0° 03' W. bet. secs. 20 and 21

Ascending through open ground

7.00	Enter dense cedars and brush
12.00	Along E. slope - Drainage to S.E.
25.50	Draw, course S. 20° E. cedars scattering, ascend.
+0.00	Set an iron post 3 ft. long, 1 in. in diam. 26. ins. in ground, for 1/4 sec. cor. marked on brass cap: S. 20 1/4 on W.; and S. 21 on E. half, from which A cedar 18 ins. diam. bears N. 82° 40' W. 218 lks. dist. marked 1/4 S. 20 B.T. A cedar 12 ins. diam. bears N. 11° 00' E. 259 lks. dist. marked 1/4 S. 21 B.T.
+3.00	Enter dense cedars
+9.00	Enter burnt cedars.
60.00	Leave burnt cedars.

Subdivision of Tp. 24 N. Range 9 West.

76.00	Draw. course S.W.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 16. 17. 20 and 21, marked on brass cap: T. 24 N - S. 17 on N.W.; R. 9 W. - S. 16 on N.E.; S. 21 on S.E.; and S. 20 on S.W. quadrant, from which A cedar 8 ins. diam. brans N. 24° 07' E. 59 lks. dist. marked T. 24 N. R. 9 W. S 16 B.T. A cedar 30 ins. diam. brans S. 38° 36' E. 189 lks. dist. marked T. 24 N. R. 9 W. S. 21 B.T. A pinon 12 ins. diam. brans. N. 63° 30' W. 207 lks. dist. marked T 24 N. R 9 W. S. 17 B T. A cedar 18 ins. diam. brans S. 27° 13' W. 97 lks. dist. marked T. 24 N. R. 9 W. S. 20 B.T. Land rolling: Dense cedars 55. 50. Chs. Dense brush 80.00 Chs. Soil: A heavy dark loam mixed with lime gravel. Good grama grass 80.00 Chs.
	S. 89° 58' E. on a random line bet. secs. 16 and 21
40.00	Set temp. 1/4 sec. cor.
79.89	Intersect N. and S. line 7 lks. N. of cor. of secs. 15, 16, 21 and 22 Thence I run. N. 89° 55' W. on a true line bet. secs. 16 and 21. Ascending through scattering cedars, and dense burnt cedars.
34.00	Top of rise - Descend. through dense cedars.
37.00	Draw, course S. ascend.
39.94	Set an iron post 3 ft. long, 1 in. in diam. 26. ins. in ground for 1/4 sec. cor. marked on brass cap. S. 16, 1/4, on N.; and S. 21 on S. half. from which A cedar 8 ins. diam. brans S. 1° 27' E. 88 lks. dist. marked 1/4 S. 21 B.T. A cedar 6 ins. diam. brans. N. 58° 32' W. 26 lks. dist.

Subdivision of Tp. 24 N. Range 9 West.

	marked 1/4 S 16 B.T.
48.00	Cedars become thinner.
58.00	Draw, course S.; Enter dense cedars., Ascend.
60.00	Top of rise. Descend.
70.50	Cedars become thinner.
74.00	Bottom of draw, course S. 15° W. Ascend.
79.89	The. cor. of secs. 16. 17. 20 and 21.
	Land rough and rolling.
	Dense cedars. 27.00 Chs
	Scattering cedars. 52.89. Chs.
	Dense brush. 79.89 Chs.
	Soil, rocky and shallow with hard lime sub-soil.
	Good grama grass. 79.89. Chs.

	N. 0° 03' W. bet. secs. 16 and 17.
	Ascending through moderately thick cedars and brush.
33.00	Top of high ground, Enter dense cedars.
35.00	Begin to descend.
37.00	Cedars get thinner with many burnt cedars.
40.00	Head of draw, course N. W.
	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap:
	S. 17. 1/4 on W.; and
	S. 16 on E. half. from which
	A cedar 16 ins. diam. bears S. 49° 55' E. 248 lks dist; marked 1/4 S. 16 B.T.
	A cedar 14 ins. diam. bears S. 69° 10' W. 134 lks. dist. marked 1/4 S. 17 B.T.
51.00	Cedars become dense
58.00	Top of rise
59.00	Descend slope diagonally - Drainage to N. E.
67.00	Cedars get thinner.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 8. 9. 16 and 17. marked on brass cap:
	T. 24 N. - S. 8 in N. W.;
	R. 9 W. - S 9. in N. E.;

Subdivisions of Tp. 24 N. Range 9 West.

S. 16 in S.E.; and
S. 17 in S.W. quadrant, from which
A cedar 16 ins. diam. brass N. 60° 27' E. 195 lks. dist.
marked T. 24 N. R. 9 W. S. 9 B.T.
A cedar 10 ins. diam. brass S. 74° 52' E. 120 lks. dist.
marked T. 24 N. R. 9 W. S 16 B.T.
No other trees available;
dig pits 18x18x12 ins. in secs. 8 and 17, 5 1/2 ft. dist. and
raise a mound of earth 4 ft. base, 2 ft. high W.
of cor.
This cor. in draw, course N. 20° E.
Land rolling;
Soil; a thick, heavy loam mixed with lime
gravel with a hard lime subsoil.
Dense cedars 16.00 Chs
Scattering cedars and brush 64.00 Chs.
Good grama grass 80.00 Chs.

Dec. 14. 1910.

Dec. 15: At 2h 00m p.m. l.m.t. I set off 23° 14' 30" S.
on the decl. arc; 35° 28' 30" N. on the lat. arc; and
determine a meridian with the solar at the cor.
of secs. 8. 9. 16 and 17.; thence I run
S. 89° 55' E. on a random line bet. secs 9 and 16.

40.00 Set temp. 1/4 sec. cor.

79.80 Intersect N. and S. lines 8 lks. S. of cor. of secs 9. 10,
15 and 16; thence I run
N. 89° 58' W. on a true line bet. secs. 9 and 16.
Over rolling ground ascending

3.00 Draw, course N. W.
9.00 Enter dense cedars.
14.00 Ascend abruptly.
20.00 Top of ascent. Descend
28.00 Cedars become scattering.
38.50 Draw. course N. Ascend.
39.90 Set an iron post 3 ft. long. 1 in. in diam. 26 ins.
in ground for 1/4 sec. cor. marked on brass cap:

Subdivision of Tp. 24 N. Range 9 West.

S. 9. 1/4 on N.; and
S. 16 on S. half, from which
A cedar 40 ins. diam. brans S. 74° 00' W. 133 lks. dist.
marked 1/4 S. 16 B. T.
No other trees available; dig pits 18x18x12 ins.
East and west of post 3 ft. dist. and raise a mound of
earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

43.00 Enter dense cedars
46.00 Cedars become dense
60.00 Top of ascent. Descend.
65.00 Draw, course N. Ascend
68.00 Top of ascent. Descend.
78.00 Cedars become scattering.
79.80 The cor. of secs. 8. 9. 16. and 17.
Land rough and rolling.
Dense cedars 51.00 Chs.
Soil; A hard brown clay mixed with lime
gravel, with a hard lime sub-soil.
Good grama grass 79.80 Chs.
Dec. 15. 1910.

Dec. 16: At 8h 00m a.m. l.m.t. I set off 23° 14' S.
on the decl. arc; 35° 28' 30" N. on the lat. arc; and
determine a meridian with the solar at the
cor. of secs. 8. 9. 16 and 17; thence I run
N. 0° 03' W. bet. secs. 8 and 9.
Descending in open draw.

6.00 Ascend from draw diagonally through scattering
cedars.
10.00 Top of ascent. - Descend.
19.00 Draw, course N. 35° E., Ascend.
22.00 Enter dense cedars
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins.
in ground for 1/4 sec. cor. marked on brass cap:
S. 8. 1/4 on N. and
S. 9. on E. half, from which
A pinon 8 ins diam. brans N. 26° 01' W. 61 lks. dist.

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	marked 1/4 S. 8 B.T.
	A cedar 10 ins. diam. bears N. 89° 55' E. 49 lks. dist.
	marked 1/4 S. 9 B.T.
50.00	Cedars become scattering.
60.00	Draw, course N.E.. Ascend.
71.00	Cedars become dense.
80.00	Set an iron post 3 ft. long. 2 ins. diam. 24 ins. in ground for cor. of secs. 4. 5. 8 and 9. marked on brass cap.
	T. 24 N. – S. 5 in N.W.;
	R. 9 W. – S. 4. in N.E.
	S. 9 in S.E.; and
	S. 8 in S.W. quadrant, from which
	A cedar 6 ins. diam. bears N. 40° 30' E. 91 lks.
	dist. marked T. 24 N. R. 9 W. S. 4 B.T.
	A cedar 8 ins. diam. bears S. 79° 34' E. 111 lks. dist.
	marked T. 24 N. R. 9 W. S. 9 B.T.
	A cedar 10 ins. diam. bears S. 30° 08' W. 142. lks. dist.
	marked T. 24 N. R. 9 W. S. 8 B.T.
	A cedar 14 ins. diam. bears N. 32° 24' W. 233 lks.
	dist. marked T. 24 N. R. 9 W. S. 5 B.T.
	Land rolling.
	Dense cedars 37.00 Chs.
	Scattering cedars 37.00 Chs.; Dense brush 4.00 Chs.
	Soil: a stiff loam mixed with lime gravel,
	with a hard lime sub-soil.
	Good grama grass 80.00 Chs.
	S. 89° 58' E. on a random line bet. secs. 4 and 9.
40.00	Set temp. 1/4 sec. cor.
79.85	Intersect N. and S. line 5 lks. S. of cor. of secs 3, 4. 9 and 10; thence I run
	W. on a true line bet. secs. 4 and 9.
	ascending through dense cedars and brush.
10.00	Top of ascent, Descend.
20.00	Descend more abruptly.
39.92½	Set an iron post 3 ft. long. 3 ins. diam. 26 ins. in

Subdivision of Tp. 24 N. R. 9 West.

	ground for 1/4 sec. cor. marked on brass cap: S. 4, 1/4 on N.; and S. 9 on S. half, from which A cedar 12 ins. diam. bears N. 41° 03' W. 27 lks. dist. marked 1/4 S. 4 B. T. A cedar 7 ins. diam. bears S. 17° 22' W. 76 lks. dist. marked 1/4 S. 9 B. T.
50.00	Leave cedars and brush.
57.00	Bottom of draw, course N. Ascend.
67.50	Top of ascent, Descend through dense cedars
72.00	Draw, course N. E. Ascend.
79.85	The cor. of secs 4, 5, 8 and 9. Land rolling. Dense cedars 62.35 Chs. Dense brush 62.35 Chs. Soil; A heavy dark loam mixed with lime gravel. Good grama grass 79.85 Chs.
	N. 0° 03' W. on a true line bet. secs. 4 and 5. Descending through dense brush and scattering cedars.
11.00	Draw, course N. E. Ascend.
27.30	Top of ascent, Descend.
29.00	Enter dense cedars.
36.00	Leave cedars.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 5 1/4 on W.; and S. 4 on E. half, from which A cedar 8 ins. diam. bears S. 39° 25' E. 177 lks. dist. marked 1/4 S. 4 B. T. A cedar 5 ins. diam. bears S. 56° 55' W. 121 lks. dist. marked 1/4 S. 5 B. T.
40.25	Bottom of rocky draw with lime bed-rock exposed, course N. W. Ascend

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73.42	Intersect 6th Standard Parallel N. 18.90 Chs. W. of standard cor. of secs. 33 and 34, T. 25 N. R. 9 W. Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for closing cor. of secs. 4 and 5, marked on brass cap. T. 25 N. R. 9 W. - S. 33. on N.; C. C. N. of centre; S. 4 in S. E.; and S. 5 in S. W. quad.; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft., and S. of post 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high S. of cor. Land rolling, Dense cedars 7.00 Chs. Scattering cedars and brush 33.00 Chs. Soil: S. 40.00 Chs. rocky and shallow, with a hard lime sub-soil.; N. 33.42 Chs., a heavy loam mixed with lime gravel. Good growth of grama grass, 73.42 Chs. Dec. 16. 1910.
	Dec. 17: At 8h 00m a.m. l.m.t. I set off 23° 17' 00" S. on the decl. arc; 35° 25' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 5. 6. 31 and 32 on the S. bdy.; thence I run N. 0° 03' W. bet. secs. 31 and 32. Ascending gentle slope through dense brush and scattering cedars.
15.00	Cedars become dense.
30.00	Top of ascent. Descend gradually. Drainage to W.
34.00	Cedars become scattering.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 31, 1/4 on W.; and S. 32 on E. half, from which

Subdivision of Tp. 24 N. Range 9 West.

A cedar 8 ins. diam. brars N. 16° 17' E. 371 lks. dist.
marked 1/4 S. 32 B.T.
A cedar 24 ins. diam. brars N. 6° 30' W. 322 lks. dist.
marked 1/4 S. 31. B.T.
75.00 Head of draw, course S. 75° W. Ascend.
80.00 Set an iron post 3 ft. long, 2 ins. diam. 24 ins.
in ground for cor. of secs. 29. 30. 31 and 32, marked
on brass cap:
T. 24 N. - S. 30 in N.W.;
R. 9 W. - S. 29 in N.E.;
S. 32. in S.E.; and
S. 31 in S.W. quadrant, from which
A cedar 14 ins. diam. brars S. 26° 55' W. 76. lks. dist.
marked T. 24 N. R. 9 W. S. 31 B.T.
A cedar 16 ins. diam. brars S. 71° 43' E. 49 lks. dist.
marked T. 24 N. R. 9 W. S. 32 B.T.
A cedar 18 ins. diam. brars N. 32° 55' W. 144 lks. dist.
marked T. 24 N. R. 9 W. S. 30. B.T.
No other tree available;
dig a pit 18x18x12 ins. in sec. 29. - 5 1/2 ft. dist. and
raise a mound of earth 4 ft. base, 2 ft. high
W. of cor.
Land rolling.
Dense cedars 19.00 chs.
Scattering cedars and dense brush 80.00 chs.
Soil: A heavy, brown loam mixed with lime
gravel, with a hard lime sub-soil.
A good growth of grama grass, 80.00 chs.

E. on a random line bet. secs. 29 and 32.
40.00 Set temp. 1/4 sec. cor.
80.06 Intersect N. and S. line 12 lks. S. of cor. of secs.
28. 29. 32 and 33.; thence I run
S. 89° 55' W. on a true line bet. secs. 29 and 32.
Over rolling ground, through dense cedars and brush.
5.00 Draw, course S. ascend.
10.00 Top of ascent, Descend.

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Subdivision of Tp. 24 N. Range 9 West.

17.50	Head of draw, course S.
25.00	Cedars become scattering.
34.56	Road from Yampai to Ft. Rock, bears N. E. and S. W.
40.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 29, 1/4. on N.; and S. 32 on S. half, from which a cedars 60 ins. diam. bears S. 0° 40' W. 2.37 lks. dist., marked 1/4 S. 32 B. T. No other tree available; dig pits 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
56.00	Bottom of draw, course N. Ascend through dense cedars
63.00	Top of ascent. Descend through scattering cedars.
80.06	The cor. of secs. 29, 30, 31 and 32. Land rolling. Dense cedars, 49.00 Chs. Soil; a heavy loam mixed with lime gravel. A good growth of gramma grass 80.06 Chs.

W. on a random line bet. secs. 30 and 31

40.00	Set temp. 1/4 sec. cor.
78.40	Intersect W. bdy. Tp. 3 lks. N. of cor. of secs. 25, 30, 31 and 36; thence I run N. 89° 59' E. on a true line bet. secs. 30 and 31. Over rolling ground.
29.04	Road, Nelson to Ft. Rock, bears N. W. and S. E.
38.40	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S, 30, 1/4 on N.; S. 31 on S. half. dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

Subdivision of Tp. 24 N. Range 9 West.

59.40	Enter dense cedars and brush.
72.00	Cedars become scattering.
78.40	The cor. of secs. 29. 30. 31 and 32.
	Land rolling:
	Soil: A heavy dark loam mixed with lime gravel with a hard lime sub-soil.
	Dense cedars 13.00 Chs.
	Dense brush 19.00 Chs.
	Good grama grass 78.40 Chs.
	N. 0° 03 W. bet. secs 29 and 30.
	Ascending through scattering cedars, dense buck brush and burnt cedars.
19.00	Top of ascent, Leave cedars. - Descend.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 30, 1/4 on W.; and S. 29 on E. half., from which A cedar 12 ins. diam. bears S. 23° 07' W. 333 lks. dist. marked 1/4 S. 30 B. T. No other trees available. Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
40.20	Road, bears N.E. and S.W.
45.00	Draw, course W. ascend.
61.00	Enter dense cedars and pinons, and dense brush. and burnt cedars.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 19. 20. 29 and 30, marked on brass cap: T. 24 N. - S. 19 in N.W.; R. 9 W. - S. 20 in N.E.; S. 29 in S.E.; and S. 30 in S.W. quadrant, from which A pinon 8 ins. diam. bears S. 58° 53' W. 113 lks. dist. marked T. 24 N. R. 9 W. S. 30 B. T. A cedar 12 ins. diam. bears N. 84° 00' W. 79 lks. dist.

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Subdivisions of Tp. 24 N. Range 9 West.

	marked T. 24 N. R. 9 W. S. 19 B. T.
	A cedar 8 ins. diam. brass S. 74° 30' E. 200 lks. dist.
	marked T. 24 N. R. 9 W. S. 29 B. T.
	A cedar 8 ins. diam. brass N. 83° 49' E. 283 lks. dist.
	marked T. 24 N. R. 9 W. S. 20 B. T.
	Land rolling.
	Soil: a heavy, dark loam mixed with lime gravel.
	Dense cedars and pinons, 19.00 Chs.
	Scattering cedars and dense brush, 19.00 Chs.
	Good grama grass, 80.00 Chs.
	Dec. 17, 1910.

	Dec. 18; At 8h 00m a.m. l.m.t. I set off 23° 19' — S. on the dist. arc; 35° 27' W. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30; thence I run
	N. 89° 55' E. on a random line bet. secs. 20 and 29,
40.00	Set temp. 1/4 sec. cor.
80.02	Intersect N. and S. line 2 lks. N. of cor. of secs. 20, 21, 28 and 29; thence I run
	S. 89° 56' W. on a true line bet. secs. 20 and 29.
	Descending over rolling ground.
9.00	Draw, course S. - Ascend through dense cedars.
37.00	Draw, course S. - Ascend.
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 20, 1/4 on N.; and S. 29 on S., half, from which
	A cedar 14 ins. diam. brass S. 49° 21' W. 53 lks. dist. marked 1/4 S. 29 B. T.
	A cedar 7 ins. diam. brass N. 67° 09 W. 145 lks. dist. marked 1/4 S. 20 B. T.
57.00	Top of ascent.
59.00	Descend,
80.02	The cor. of secs. 19, 20, 29 and 30.
	Land rolling.
	Soil: a heavy, dark loam, mixed with lime gravel.

Subdivision of Tp. 24 N. Range 9 West.

	Dense cedars and pinons 71.00 Chs. Good grama grass, 80.02 Chs.
	S. 89° 59' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. 1/4 sec. cor.
78.33	Intersect W. bdy. Tp. 2 lks. N. of cor. of secs. 19, 24, 25 and 30. Thence I run. N. 89° 58' E. on a true line bet. secs. 19 and 30. Over rolling ground
11.00	Enter dense cedars and brush.: Ascend over rocky ground.
33.00	Top of rocky ascent.
38.33	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 19, 1/4 on N.; and S. 30, on S. half, from which A cedar 8 ins. diam. bears S. 20° 23' W. 78 lks. dist. marked 1/4 S. 30 B. T. A cedar 12 ins. diam. bears N. 23° 26' E, 66 lks. dist. marked 1/4 S. 19 B. T.
54.00	Draw, course S. Ascend
55.43	Road, Nelson to Ft. Rock, bears N. 10° E. and S. 10° W.
63.00	Descend.
78.33	The cor. of secs. 19, 20, 29 and 30.
	Land rolling. Soil: E. 45.00 chs., a heavy dark loam mixed with lime gravel: W. 33.33 chs. is rocky and shallow. Dense cedars, 67.00 chs.
	N. 0° 03' W. bet. secs. 19 and 20 Ascending through dense cedars and brush
18.00	Top of ascent, Proceed over rolling ground.
20.00	Descend steep slope - Enter narrow open space.
26.00	Bottom of gulch, course S.W., Ascend through dense cedars.
27.18	Road bears N. 10° E. and S. W.

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Subdivision Tp. 24 N. Range 9 West.

40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 19, 1/4 on W.; and S. 20 on E. half, from which A cedar 6 ins. diam. bears S. 18° 09' W. 133 lks. dist. marked 1/4 S. 19 B. T. A cedar 12 ins. diam. bears S. 74° 21' E. 274 lks. dist. marked 1/4 S. 20 B. T.
55.00	Top of ascent, Descend.
65.00	Foot of descent. - Proceed over rolling open ground.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap: T. 24 N. - S. 18 in N.W.; R. 9 W. - S. 17 in N.E.; S. 20 in S.E.; and S. 19 in S.W. quadrant; dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. - from which A cedar 16 ins. diam. bears S. 45° W. 212 lks. dist. marked T. 24 N. R. 9 W. S. 19 B. T. Land rolling. Soil: a brown sandy loam mixed with lime gravel, with a hard lime sub-soil. Dense cedars 59.00 Chs. Good grama grass, 80.00 Chs. Dec. 18. 1910.
	Dec. 19 and 20 cloudy with snow - unable to proceed with work.
	Dec. 21: At. 8h 00m a.m. l. m. t. I set off 2 3° 22½' S. on the decl. arc: 35° 28' N. on the lat. arc; and determine a meridian at the cor. of secs. 17, 18, 19 and 20, thence I run N. 89° 56' E. on a random line bet. 17 and 20.
40.00	Set temp. 1/4 sec. cor.
79.89	Intersect N. and S. lines 4 lks. S. of cor. of secs. 16, 17, 20 and 21; thence I run S. 89° 54' W. on a true line bet. secs. 17 and 20.

Subdivision of Tp. 24 N. Range 9 West.

	Over rolling land through dense brush and scattering cedars.
39.94	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 17, 1/4 on N.; and S. 20 on S. half, from which A cedar 7 ins. diam. brans S. 74° 40' E. 165 lks. dist. marked 1/4 S. 20 B.T. A cedar 5 ins. diam. brans N. 12° 38' E. 142 lks. dist. marked 1/4 S. 17 B.T.
65.00	Leave cedars and brush. Enter open ground.
79.89	The cor. of secs. 17, 18, 19 and 20. Land rolling. Soil: A heavy loam, mixed with lime gravel, with a hard lime cement sub-soil below 18 ins. Scattering cedars and dense brush 65.00 chs. Good grama grass 79.89 chs.
	S. 89° 58' W. on a random line bet. secs. 18 and 19.
40.00	Set temp. 1/4 sec. cor.
78.15	Intersect W. bdy. Tp. 24 lks. S. of cor. of secs. 13, 18, 19 and 24; thence I run N. 89° 56' E. on a true line bet. secs. 18 and 19 Through dense cedars and brush.
20.00	Draw, course S. Ascend.
38.15	Set an iron post 3 ft. long, 1 in. in diam. 26. ins. in ground for 1/4 sec. cor. marked on brass cap: S. 18, 1/4 on N.; and S. 19 on S. half, from which A cedar 18 ins. diam. brans, N. 44° 33' E. 21 lks. dist. marked 1/4 S. 18 B.T. A piñon 6 ins. diam. brans S. 58° 08' W. 127 lks. dist. marked 1/4 S. 19 B.T.
40.00	Cedars brooms scattering
53.00	Leave cedars and brush.
78.15	The cor. of secs. 17, 18, 19 and 20. Land rolling.

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Subdivision of Tp. 24 N. Range 9 West.

Soil: A heavy, dark loam, mixed with lime gravel.
Dense cedars and pinons 40.00 Chs.
Good grama grass 78.15 Chs.
Dec. 21. 1910.

Dec. 22: At 8h 00m a.m. l.m.t. I set off 23°-23' S. on the Decl. arc; 35° 28' N. on the Lat. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20; thence I run.
N. 0° 03' W. bet. secs. 17 and 18.
Over rolling open land - Drainage to N.E.

1.80	Road. brass N. 30° W. and S. 30° E. - Ascend gentle slope.
35.00	Enter scattering cedars.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 18, 1/4 on W.; and S. 17 on E. half, from which A cedar 10 ins. diam. brass N. 10° 54' E. 149 lks. dist: marked 1/4 S. 17 B.T. A cedar 12 ins. diam. brass S. 68° 42' W. 191 lks. dist. marked 1/4 S. 18 B.T.
70.00	Begin to descend
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 7, 8, 17 and 18, marked on brass cap: T. 24 N. — S. 7 in N.W.; R. 9 W — S. 8 in N.E.; S. 17 in S.E.; and S. 18 in S.W. quadrant, from which A cedar 6 ins. diam. brass S. 53° 14' W. 227 lks. dist. marked T. 24 N. R. 9 W. S 18 B.T. A cedar 6 ins. diam. brass S. 37° 18' E. 76 lks. dist. marked T. 24 N. R. 9 W. S. 17 B.T. A cedar 10 ins. diam. brass N. 80° 57' W. 327 lks. dist. marked T. 24 N. R. 9 W. S. 7 B.T. A cedar branch 14 ins. diam. brass N. 87° 05' E. 85 lks. dist. marked T. 24 N. R. 9 W. S. 8 B.T.

Subdivision Tp. 24 N. Range 9 West.

	Land rolling. Soil; A heavy dark loam, mixed with lime gravel, with hard lime cement sub-soil. Scattering cedars 45.00 chs. Good grama grass 80.00 chs.
	N. 89° 54' E. on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 8 lks. N. of cor. of secs. 8. 9. 16 and 17; thence I run S. 89° 57' W. on a true line bet. secs. 8 and 17. Ascending through dense cedars.
20.00	Top of ascent - Leave dense cedars - Descend.
30.00	Draw, course N.W. Ascend.
40.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor. marked on brass cap: S. 8. 1/4 on N.; and S. 17. on S. half., from which A cedar 6 ins. diam. bears N. 35° 17' W. 37 lks. dist. marked 1/4 S. 8 B.T. A cedar 14 ins. diam. bears S. 34° 08' E. 213 lks. dist. marked 1/4 S. 17 B.T.
41.00	Top of ascent, Descend.
55.00	Bottom of draw, course N.E., Ascend.
65.00	Top of ascent, Descend.
80.06	The cor. of secs. 7. 8. 17 and 18.
	Land rolling. Soil: A hard, dark loam mixed with lime gravel. Dense cedars, 20.00 chs. Scattering cedars and brush 60.00 chs. Good grama grass, 80.06 chs. Dec. 22. 1910.
	Dec. 23; At 8h 00m a.m. l.m.t. I set off 23° 23' S on the decl. arc; 35° 28' 30" N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 7. 8. 17. 18.;

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Subdivisions Tp. 24 N. Range 9 West.

	Thence I run
	S. 89° 56' W. on a random line bet. secs. 7 and 18.
40.00	Set temp. 1/4 sec. cor.
78.03	Intersect W. bdy. Tp. 2 lks. S. of cor. of secs. 7, 12, 13, and 18;
	Thence I run
	N. 89° 57' E. on a true line bet. secs. 7 and 18.
	Ascending through dense cedars.
24.00	Top of rise - Descend.
27.00	Cedars become thinner.
29.00	Draw, course N. E. Ascend.
38.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 7, 1/4 on N.; and S. 18. on S. half, from which
	A cedar 9 ins. diam. bears S. 84° 01' E. 33 lks. dist. marked 1/4 S. 18 B. T.
	A cedar 12 ins. diam. bears N. 3° 40' E. 85 lks. dist. marked 1/4 S. 7 B. T.
43.75	Bottom of draw, course N. - Ascend.
66.00	Top of low ridge, bears N. and S. Descend
69.00	Bottom of draw, course N. Ascend. -
	Road bears N and S.
78.03	The cor. of secs. 7, 8, 17 and 18.
	Land rolling.
	Soil; A hard, dark loam mixed with gravel.
	Dense cedars 27.00 Chs.
	Moderately thick cedars and dense brush 51.00 Chs.
	Good grass 78.03 Chs.

	N. 0° 03' W. bet. secs. 7 and 8.
	Descending over rolling ground through dense brush and scattering cedars.
15.00	Leave cedars and brush and enter open ground.
40.00	Draw, course N. E.
	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 7. 1/4 on W.; and S. 8 on E. half.

Subdivision of Tp. 24 N. Range 9 West.

	dig pits 18x18x12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W. ¼ cor.
45.20	Road bears N. 10° E. and S. 10° W. – Ascend.
50.00	Top of ascent – Descend through scattering cedars and brush.
65.00	Draw, course N.E. – Leave cedars.
80.00	Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for cor. of secs. 5. 6. 7 and 8. marked on brass cap: T. 24 N. – S. 6 in N.W.; R. 9 W. – S. 5 in N.E.; S. 8 in S.E.; and S. 7 in S.W. quadrants, from which A pinon 12 ins. diam. bears S. 57° 15' W. 365 lks. dist. marked T. 24 N. R. 9 W. S. 7 B. T. No other trees available. dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. ¼ cor. Hard rolling. Scattering cedars and dense brush 30.00 Chs. Soil: A hard brown loam mixed with lime gravel, with a hard lime cement
	N. 89° 57' E. on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 8 lks. N. of cor. to secs. 4. 5 8 and 9; thence from West on a true line bet. secs. 5 and 8. Ascending through dense cedars and brush.
7.00	Top of ascent, Descend.
16.00	Cedars become scattering.
26.50	Junction of draws – from N.E., and S.W., to N.W. Ascend.
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for ¼ sec. cor., marked on brass cap: S. 5. ¼ on N.; and

Subdivision of Tp. 24 N. Range 9 West.

	S. 8 on S. half, from which A cedar 14 ins. diam. brans S. 57° 50' W. 180 lks. dist. marked 1/4 S. 8 B. T. A pinon 6 ins. diam. brans N. 49° 24' E. 168 lks. dist. marked 1/4 S. 5. B. T.
43.50	Top of rise, Descend,
70.00	Leave cedars and brush. Enter open park.
74.00	Bottom of draw, course N. Ascend gentle slope.
74.60	Road, brans N. and S.
80.02	The cor. of secs. 5, 6, 7 and 8.
	Land: W. 10.00 Chs. in smooth open valley.; E. 70. Chs. rough and hilly.
	Dense cedars, 16.00 Chs.:
	Scattering cedars and dense brush 54.00 Chs.
	Soil: E. 70.00 Chs. rocky and shallow.; W. 10.00 Chs.; soil is a good quality of sandy loam mixed with lime gravel, with a hard sub-soil of lime cement.
	Good growth of grama grass 80.02 Chs.
	Dec. 23. 1910.

Dec. 24: At 9h 00m a.m. l.m.t. I set off 23° 24'-00" S. on the decl. arc; 35° 29' 30" N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 5. 6. 7 and 8; thence I run

S. 89° 57' W. on a random line bet. secs. 6 and 7,

40.00	Set Temp. 1/4 sec. cor.
77.88	Intersect the W. bdy. Tp. 3 lks. N. of cor. of secs. 6. 7. 1 and 12; thence I run

N. 89° 56' E. on a true line bet. secs. 6 and 7.

Over rough, hilly and rocky ground, through dense cedars and brush, descending

37.88	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 6, 1/4 on N.; and S. 7. on S. half, from which A cedar 12 ins. diam. brans N. 30° 09' W. 87 lks dist. marked 1/4 S. 6, B. T.

Subdivision of Tp. 24 N. Range 9 West.

A piñon 7 ins. diam. brans S. 24° 12' E. 70 lks. dist. marked 1/4 S. 7 B. T.

51.00 Bottom of draw, course N. E. Ascend steep, rocky slope.

58.00 Top of ascent, Descend steep, rocky slope.

64.40 Bottom of draw, course S. W. Ascend

67.90 Top of ascent - cedars become scattering. Descend.

74.00 Leave cedars and enter open valley.

77.88 The cor. of secs. 5. 6. 7 and 8. Land rough and hilly. Dense cedars and brush 67.90 chs. Soil, loam mixed with lime gravel, with bed subsoil of lime cement. Stones gross 77.88 chs.

Dec. 24, 1910: I set off 23° 25' on the decl. arc; and, at noon, observe the sun on the meridian, and obtain on the lat. arc the reading 54° 30' 30", which agrees with other data. (35° - 29' - 30" N)

N. 0° 03' W. on a true line bet. secs. 5 and 6

Over rolling ground.

27.45 Draw, course N. E.

28.00 Ascend over rough rocky ground through scattering cedars, burnt cedars and dense brush.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in ground for 1/4 sec. cor., marked on brass cap: S. 6. 1/4 on W. and S. 5 on E. half, from which

A cedar 14 ins. diam. brans S. 41° 50' W. 110 lks. dist. marked 1/4 S. 6 B. T.

A cedar 6 ins. diam. brans N. 32° 20' E. 128 lks. dist. marked 1/4 S. 5 B. T.

46.00 Enter dense cedars.

64.50 Descend steep, rocky slope.

73.54 Intersect 6th Standard Parallel North, 18.86 Chs. W. of standard cor. of secs. 32 and 33, Tp. 25 N. R. 9 W.

Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in ground for closing cor. of secs. 5 and 6, marked on brass cap:

C. C. N. of centre;

T. 25 N. R. 9 W. - S. 32, on N.;

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BOOK 2224

Subdivisions Tp. 24 N. Range 9 West.

S.5 in S.E.; and
S.6 in S.W. quad, from which
A cedar 12 ins. diam. bears S.53°55'W. 54 lks. dist.
marked T.24N. R.9W. S.6, C.C. B.T.
A cedar 24 ins. diam. bears S.25°08'E. 21 lks. dist.
marked T.24N. R.9W. S.5, C.C. B.T.
Land: S. 28.00 Chs. smooth and rolling valley;
N. 45.54 Chs. rough, hilly and rocky.
Soil: S. 28.00 Chs. a rich, though heavy, dark sandy loam mixed with lime gravel;
N. 45.54 Chs. rocky and shallow, with bed-rock close to the surface.
Dense cedars 27.54 Chs.
Dense brush, 45.54 Chs.
Good grama grass 73.54 Chs.

December 24. 1910

General Description.

With the exception of a number of narrow, open valleys or "draws", this township is densly covered with cedar and piñon timber.-

The timber, however, is valuable only for fence post and fire wood.

The soil in the township is very fertile as is evidenced by the luxuriant growth of grama grass which covers its entire area.

The soil, while rich, is, in most portions, shallow, having a sub-soil of very hard lime cement.

The surface consists of rolling hills with frequent rough, rocky ridges, and is traversed by numerous narrow valleys.

The Santa Fé Pacific R. R. passes through the N.E. portion of the township, and on sec. 2 is located the R.R. station of Yampai which consists of depot, section house and quarters for laborers.

Except the telegraph operators, section foreman and

two or three laborers, there are no settlers in the township, and the only water it contains is that which is hauled to Yampai for the use of R.R. employes.

The rock formation is limestone with occasional outcroppings of red sandstone which gives the soil a dark brown color.

W.O. Jacor.
Transitman

BOOK 2224

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For FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

See Book 6. - S & W. bdrs. T24N. R9W. all 1

LIST OF NAMES.

A list of the names of the individuals employed by W. O. Secor.

Transitman
, United States ~~Deputy Surveyor~~, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the sub-divisional lines of Tp. 24 N. R. 9 W.

showing the respective capacities in which they acted:

, *Chainman.*

, *Chainman.*

~~Geo. J. Schwaderer~~, *Moundman.*

, *Moundman.*

John Aubrey, *Axman.*

, *Axman.*

, *Flagman.*

FINAL OATH OF ASSISTANTS.

I ~~We~~ hereby certify that I ~~we~~ assisted W. O. Secor

Transitman
, United States ~~Deputy Surveyor~~, in surveying all those parts or portions of the Subdivisional Lines of Tp. 24 N. R. 9 W. of the Gila and Salt River Base and Meridian

of the

~~meridian~~, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona

, *Chainman.*

, *Chainman.*

, *Moundman.*

, *Moundman.*

John Aubrey, *Axman.*

, *Axman.*

, *Flagman.*

Subscribed and sworn to before me this 24th day of December, 1910

W. O. Secor

SEAL

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BOOK 2224

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, W. O. Secor, Transitman United States ~~Deputy Surveyor~~, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 19 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Township 2 N. Range 9 West of the Gila and Salt River Base and Meridian.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

_____

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 19 }

_____

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

_____, 19

The foregoing field notes of the survey of _____

executed by _____

under his contract No. _____, dated _____, 19 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

_____

United States 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.

_____

United States Surveyor General.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF NAMES.

BOOK 2224

A list of the names of the individuals employed by W. O. Secor, Transitman, United States ~~Deputy Surveyor,~~ to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision lines of Tp. 24 N. Rg 9 W.

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

Geo. J. Schwadron, *Flagman.*

FINAL OATH OF ASSISTANTS.

I ~~We~~ hereby certify that I ~~we~~ assisted W. O. Secor, Transitman, United States ~~Deputy Surveyor~~, in surveying all those parts or portions of the Subdivisional lines of Tp. 24 N. Range 9 W. of the Gila and Salt River Base and Meridian of the ~~meridian~~, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by him and under ~~his~~ direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments ~~established~~, according to the instructions furnished by the United States Surveyor General for Arizona

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

Geo. J. Schwadron, *Flagman.*

Subscribed and sworn to before me this 27th day of December, 1910

W. O. Secor
Transitman

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

INK 2224

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 19 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

_____

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 19

_____

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz., Nov. 15, 1911

The foregoing field notes of the survey of the subdivisional lines of T. 4 N., R. 9 W., of the Gila and Salt River Base and Meridian, Arizona

executed by W. O. Oscar and N. D. Townsman under his ~~contract~~ Group No. 8, dated August 25, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank D. Ingalls

United States 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.

_____

United States Surveyor General.

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