

"A."

NORTH, EAST AND WEST  
BOUNDARIES

T. 29 N. R. 3 E.

BOOK 1361

No. 1361

POPE

1361

4-671

BOOK 1361

**FIELD NOTES**  
GENERAL LAND OFFICE.

No. 1361

No. 1361

1

Field Notes  
of the survey of the  
North, East and West  
Boundaries

of  
T. 29, N., R. 3, E.  
of the  
Gila and Salt River Meridian,  
Territory of Arizona.  
as surveyed by

James B. Pepe,

U. S. Dep. Surveyor

under his

Contract No. 75-Ariz.  
dated June 13<sup>th</sup> 1900.

Survey commenced Oct. 10, 1900

Survey completed Nov. 5, 1900

\* 2 INDEX

36	31	32	33	34	35	36						
+	35	+	38	+	41	+	44	+	46	+	48	+

1156	5	4	3	2	1	31
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+	12137	+	1229	+
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T. 29. N. R. 3. E

+	131018	+	13.26	+
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+	248.19	+	24.23	+
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+	25.5.30	+	25.21	+
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+	34.3.31	+	36.18	+
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+	+	+	+	+	+	+
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Judy 2

West	Dry	T 29 W	R 3 E	3
East	"	" 29 N	" 3 E	18
North	"	" 29 N	" 3 E	

## West Boundary of T. 29. N. R. 3. E.

Chains

October 10: at 8h 30m <sup>a.m.</sup> <sub>l.m.</sub>  
 I set off  $54^{\circ}11'$  Co lat on the  
 vertical circle and  $6^{\circ}37'30''$  dec  
 and determine a true meridian  
 with the solar at the stand  
 and cor of T<sub>29</sub> N R<sub>s</sub> 2 and 3. E  
 which is a limestone  $6 \times 12 \times$   
 ins above ground marked as  
 described by the Surveyor General  
 Thence I run -

North between Secs 3/836.

- 3.00 ascend over rocky ground  
 sloping S. E.
- 4.00 Enter dense Pines and  
 Cedar timber bears N. E.  
 and S. W.
- 5.00 Top of rocky ascent  
 and descend over rough  
 ground sloping N. W.
- 40.00 Set a limestone  $30 \times 16 \times 6$

West Sdy. T. 29 N. R. 3. E.

ins 20 ins in the ground for  
 $\frac{1}{4}$  sec cor marked  $\frac{1}{4}$  on W  
 face whines

A piñon tree 8 ins in diam  
 bears S  $90^{\circ}45'$  E 23 lks dist  
 marked,  $\frac{1}{4}$  S. 31. B.T.

A piñon tree 12 ins diam bears  
 N  $89^{\circ}15'$  W 21 lks dist marked  
 $\frac{1}{4}$  S. 36. B.T.

40.95 a piñon tree <sup>9 ins diam</sup> blazed on line

41.97 a piñon tree 12 ins diam  
 blazed on line.

53.95 a piñon tree 10 ins diam  
 blazed on line.

80.00 Set a limestone  $30 \times 6 \times 6$  ins  
 22 ins in the ground for cor  
 of Secs 25, 30, 31 and 36.  
 marked with 1 notch on S and  
 5 notches on N edges. from  
 which

5 West Bely T. 29. N. R. 3. E.

chs

a cedar tree 16 ins diam  
 bears N 78° 25' E 237 lks dist  
 Marked T. 29. N. R. 3. E. S. 30. B. T.

a piñon tree 10 ins diam bears  
 S 78° 10' E 227 lks dist Marked  
 T. 29. N. R. 3. E. S. 31. B. T.

a piñon tree 12 ins diam bears  
 S 77° 30' W 217 lks dist Marked  
 T. 29. N. R. 2. E. S. 36. B. T.

a cedar tree 16 ins diam  
 bears N 60° 30' W. 221 lks dist  
 Marked T. 29. N. R. 2. E. S. 25. B. T.

Land level and rolling  
 Soil rocky 4<sup>th</sup> rate  
 Timber piñon and cedar  
 Dense undergrowth and  
 heavily timbered land 76.000

North bet Secs 25 and 30  
 Over rolling land through

## Lower Belt T. 29. N. R. 3. E

- This dense piwon and cedar  
 timber.
- 5.00 Dry ravine 1.00 chain wide  
 course S. W.
- 5.00 Summit of ridge bears N. E.  
 and S. W. and descend
- 35.55 Wagon road bears S. E. and N. W.
- 40.00 Set a limestone 20x12x4 ins  
 15 ins in the ground for  $\frac{1}{4}$  sec  
 cor marked  $\frac{1}{4}$  on W. face from  
 which.
- a piwon tree 4 ins diam bears  
 S 49° 30' E 46 lks dist marked  
 $\frac{1}{4}$  S. 30. B. T.
- a cedar tree 10 ins diam bears  
 N 71° W 38 lks dist marked  
 $\frac{1}{4}$  S. 25. B. T.
- 55.00 abrupt ascent bears N. E.  $\frac{3}{4}$  S. W.
- 3.00 abrupt descent bears N. E.  $\frac{3}{4}$  S. W.
- 80.00 Set a limestone 16x8x6 ins



## Lorsay Bely T. 29. N. R. 3. E.

chains

12 ins in the ground for cor.  
of Secs 19, 24, 25 and 30.

marked with 2 notches on S.  
and 4 notches on N edges.

from which

a pinon tree 6 ins diam bears  
N  $42^{\circ}30'$  E 30 lks dist marked  
T. 29, N. R. 3, E. S. 19, B. T.

a pinon tree 12 ins diam bears  
S  $78^{\circ}$  E 96 lks dist marked  
T. 29, N. R. 3, E. S. 30, B. T.

a pinon tree 12 ins diam bears  
S  $38^{\circ}40'$  W 35 lks dist marked  
T. 29, N. R. 2, E. S. 25, B. T.

a pinon tree 6 ins diam bears  
N  $70^{\circ}$  W 32 lks dist marked  
T. 29, N. R. 2, E. S. 24, B. T.

Sand rough and broken

Soil rocky and 4<sup>th</sup> rate

Timber pinon and cedar

West Bdy

T. 29. N. R. 3. E.

Heavily timbered land 8000cks

October 10-1900.

October 12

North bet sees 19 and 24.

Through dense Piñon and  
cedar timber over rough rocky  
ground.

40.00 Set a limestone  $24 \times 10 \times 5$  ins  $16$   
ins in the ground for "4 see cor  
marked "4 on W face from which  
a cedar tree  $15$  ins diam bears  
 $N 77^{\circ} 15' E 84$  lks dist marked  
"4.5, 19, B.T.

a pine tree  $30$  ins diam bears  
 $N 45^{\circ} W 48$  lks dist marked  
"4.5, 24, B.T.

45.00 Summit of ridge bears  
E and W. and descent

50.00 Foot of descent and ascent

74.00 Summit of ridge bears

Went Bely T. 29. N. R. 3. E

Chs

80.00

N and W. and descend -

Set a limestone 18x12x10 ins  
12 ins in the ground for cor of  
Secs 13, 18, 19 and 24 marked  
with 3 notches on N and S <sup>edges</sup>  
from which.

a piñon tree 6 ins diam bears  
N 23° E 29 lks dist marked  
T. 29. N. R. 3. E. S. 18. B. T.

a cedar tree 10 ins diam bears  
S 77° E 19 lks dist marked  
T. 29. N. R. 3. E. S. 19. B. T.

a cedar tree 20 ins diam bears  
S 86° W 13 lks dist marked  
T. 29. N. R. 2. E. S. 24. B. T.

a piñon tree 6 ins diam  
bears N 11° 30' W 12 lks dist marked  
T. 29. N. R. 2. E. S. 13. B. T.

Land rough and broken  
Soil rocky and 4<sup>th</sup> note

Wear Bely T. 29. N. R. J. E.

Chs. Timber pinon and cedar  
with scattering pines  
Heavily timbered land 80.00 chs.

October 12<sup>th</sup> 1900

Oct. 12<sup>th</sup>, 1900, at 2-15 p.m. J.M.t.  
I set off 7°28' decl and 54°08'  
co lat on the vertical circle:  
and determine a true meri-  
dian with the solar at the  
cor of sees 13, 24, 18 and 19  
Then I run

North bet sees 13 and 18  
over rough rolling land  
through dense pinon and  
cedar timber.

15.00 Dry ravine course. W. 100  
chs wide.

16.00 ascend rocky S. slope of  
ridge.

40.00 Get a limestone 20x14x6 ins

West Bely T. 29. N. R. 3. E.

14 ins in the ground for  $\frac{1}{4}$  sec  
cor. marked  $\frac{1}{4}$  on W face  
from which

a pine tree 20 ins diam bears  
N  $75^{\circ}$  E 14 lks dist marked  
 $\frac{1}{4}$ . S. 18. B.T.

a pinon tree 18 ins diam bears  
S  $80^{\circ}$  15' W 203 ~~lks~~ marked.  
 $\frac{1}{4}$ . S. 13. B.T.

60.00 Dry ravine 20 ft deep 100  
lks wide course S  $40^{\circ}$  W.

80.00 Set a limestone  $20 \times 10 \times 6$  ins  
15 ins in the ground for cor  
of secs 7, 12, 13 and 18 marked  
with 4 notches on S and 2 notches  
on N edges. from which  
a pine tree 20 ins diam bears  
N  $13^{\circ}$  E 191 lks dist marked  
T. 29. N. R. 3. E. S. 7. B.T.

a pine tree 10 ins diam bears

West Bely T. 29. N. R. 3. E.

S  $63^{\circ}30'8''$  135 lks dist marked  
T. 29. N. R. 3. E. S. 18. B. T.

a pine tree 12 ins diam bears  
S  $18^{\circ}30'W$  160 lks dist marked  
T. 29. N. R. 2. E. S. 13. B. T.

a pine tree 30 ins diam bears  
N  $17^{\circ}10'W$  179 lks dist marked  
T. 29. N. R. 2. E. S. 12. B. T.

Land rolling and rough

Soil rocky 3<sup>rd</sup> and 4<sup>th</sup> rate

Timber Piñon, Cedar and Pine

Heavily timbered land 80.00 cho.

October 12 - 1900.

October 13. at 8 h - <sup>am</sup> m. l. m. t. I set  
of  $7^{\circ}44'$  decl and  $54^{\circ}07'$  co. lat  
on the vertical circle and deter-  
mine a true meridian with  
the Polar at the cor of sees  
7. 12. 13. and 18.

13

BOOK 1361

West Bdy T. 29. N. R. 3. E.

Chs

Thence I run

North let Secs 7 and 12.

Descending over rolling  
land through heavy Pine  
timber.

4.00

Begin ascent

16.00

Top of ascent

20.00

Descend gradually over  
northerly slope

40.00

Set a limestone 18x12x3 ins 14  
ins in the ground for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on W face, from  
which.a pine tree 10 ins diam bears  
N 47° 30' E 203 lks dist marked  
 $\frac{1}{4}$ . S. 7. B. T.a pine tree 20 ins diam bears  
S 89° W 64 lks dist marked  
 $\frac{1}{4}$ . S. 12. B. T.

70.00

Begin gradual ascent

Wet Bely

T. 29. N. R. 3. E.

Chis.

- 75.00 Top of gradual ascent bears  
E and W. and descend.
- 80.00 Set a limestone 18x14x4 ins 12  
ins in the ground for cor. of sec.  
1, 6, 7 and 12. marked with 5  
notches on 5 and 1 on N <sup>edges</sup> ~~faces~~  
from which.
- a pine tree 22 ins diam bears  
N 88° 15' E 102 lks dist marked  
T. 29. N. R. 3. E. S. 6. B. T.
- a pine tree 36 ins diam bears  
S 48° 10' E 169 lks dist marked  
T. 29. N. R. 3. E. S. 7. B. T.
- a pine tree 24 ins diam bears  
S 57° 40' W 181 lks dist marked  
T. 29. N. R. 2. E. S. 12. B. T.
- a pine tree 36 ins in diam bears  
N 58° 30' W 190 lks dist marked  
T. 29. N. R. 2. E. S. 1. B. T.
- Land level and rolling



15  
 Cont Bdy T. 29. N. R. 3. E.

Chs

Soil loam and rocky.

Timber Pine.

Heavily timbered land 8000 Chs

North bet Secs 1 and 6.

over rolling land through  
 heavy pine timber.

10.00 Begin gradual ascent

39.60 Wagon road turns E and W.

40.00 Set a limestone 18x8x6 ins  
 12 ins in the ground for 1/4 Sec  
 cor marked 1/4 on W face  
 from which

a pine tree 36 ins diam bears  
 S17°E 74 lks dist marked  
 1/4. S. 6. B. T.

a pine tree 36 ins diam bears  
 S88°30'W 193 lks dist marked  
 1/4. S. 1. B. T.

5000

ascend gradually

West Bely. T. 29 N. R. 3. E.

Chs	
68.00	Top of gradual ascent thence over level land
73.00	Begin abrupt descent.
76.00	Dry ravine 50 lks wide course $S 75^{\circ} W$ .
76.50	Begin abrupt ascent and cross wagon road bears $S 70^{\circ} W$ and $N 60^{\circ} E$ .
80.00	Set a limestone $36 \times 10 \times 6$ ins. 24 ins in the ground for cor of Tps. 29 and 30 N Rs 2 and 3 E marked with 6 notches on each edge from which a pine tree 24 ins diam bears $N 50^{\circ} 10' E$ 132 lks dist marked T. 30 N. R. 3. E. S. 31. B. T. a pine tree 20 ins diam bears $S 72^{\circ} E$ 31 lks dist marked T. 29 N. R. 3. E. S. 6. B. T. a pine tree 26 ins diam

17. West Bdy. T. 29. N. R. 3. E.

BOOK 1361

Chs.

S 53° W 114 lks dist marked

T. 29. N. R. 2. E. S. 1. B. T.

a pine tree 18 ins diam bears

N 69° 30' W 119 lks dist marked

T. 20. N. R. 2. E. S. 36. B. T.

Soil Loam and wet up 3<sup>rd</sup> rate

Land level and rolling

Timber Pine

Heavily timbered land 80000 chs

October 13. 1900

Note: - Finding the temporary corner, placed by Deputy Jacobson on this line, agreeing and within two or three links of my measurements, I established and marked my corners at same points.

Cont. Boundary T. 29. N. R. 3. E.

October 14 at 7. h. 48. m. <sup>a. m.</sup> <sub>n</sub> p. m. t.  
 I set off  $8^{\circ}5'$  decl and  $54^{\circ}11'$   
 co lat on the vertical circle  
 and determine a true Meridian  
 with the Solar at the Stand-  
 ard cor of Tps 29 N. R. 3 and  
 4. E. which is a limestone  $28 \times$   
 $16 \times 6$  ins in mound of stone  
 marked and witnessed as  
 described by the Surveyor  
 general.

Thence I run

North bet Secs 31 and 36

Ascending gradually through  
 dense cedar and pine timber

10.00 top of ascent. thence over  
 level land

17.00 to enter heavy pine timber  
 and leave dense pine and  
 cedar bears E and W.

19 <sup>10</sup> East Bdy T. 29. N. R. 3 E.

BOOK 1361

Obs

- 22.50 abrupt rocky descent
- 24.00 Bed of dry wash course W.  
and ascend abrupt rocky  
bluff.
- 25.50 Top of abrupt rocky bluff  
and ascend gradually.
- 35.00 Begin gradual descent
- 40.00 Set a limestone 20 x 12 x 8  
ins 14 ins in the ground for  
 $\frac{1}{4}$  Sec cor marked  $\frac{1}{4}$  S. W  
face from which  
a pinon tree 8 ins diam bears  
S 32° 30' E 105 lks dist marked  
 $\frac{1}{4}$  S. 31. B.T.
- a pinon tree 8 ins diam bears  
S 63° W 41 lks dist marked  
 $\frac{1}{4}$  S. 36. B.T.
- 48.00 Dry ravine 50 lks wide  
course S. W.
- 57.00 Dry ravine course S 50° W

East Bdy T. 29. N. R. 3. E 20

- 63.00 Ascend rapidly over rocky ground sloping W.
- 78.00 Top of ascent.
- 80.00 Set a limestone 30x16x5 ins 20 ins in the ground for cor of  
 Dies 25, 30, 31 and 36 marked with 1 notch on S and 5 notches on N edges. from which  
 a pinon tree 10 ins diam bears N 50° 45' E 35 lks dist marked  
 T. 29. N. R. 4. E. S. 30. B. T.  
 a pinon tree 8 ins diam bears S 36° 45' E 28 lks dist marked  
 T. 29. N. R. 4. E. S. 31. B. T.  
 a pinon tree 6 ins diam bears S 70° 45' W 33 lks dist marked  
 T. 29. N. R. 3. E. S. 36. B. T.  
 a pinon tree 9 ins diam bears N 11° 15' W 51 lks dist marked  
 T. 29. N. R. 3. E. S. 25. B. T.

Coast. Bet. T. 29. N. R. 3. E.

chs

Land rough and rolling  
 Soil rocky and 4<sup>th</sup> rate  
 Timber pinon, cedar and Pine  
 Heavily timbered 80.00chs

North bet Secs 25 and 30  
 Over rolling ground through  
 heavy timber

← 14.00 pass along rocky western  
 slope

25.00 Dry ravine 50 lks wide and  
 ascend.

40.00 Set a limestone 18x8x5 ins  
 12 ins in the ground for  $\frac{1}{4}$  Sec  
 Cor marked  $\frac{1}{4}$  on W face  
 from which  
 a pine tree 14 ins diam bears  
 N 68° 15' E 40 lks dist marked  
 $\frac{1}{4}$  S. 30. B. T.

a pinon tree 7 ins diam bears

East Bely T. 29. N. R. 3. E. <sup>22</sup>

chs	S 38° W 29 lks dist marked 1/4 S. 25. B. T.
46.00	ascend Southward rocky slope
62.00	ascend across rocky westerly slope.
70.50	Dry rocky ravine 50 lks wide course S 45° W and ascend
80.00	Set a limestone 20 x 10 x 6 ins 15 ins in the ground for cor of Secs 19. 24. 25 and 30. marked with 2 grooves on S face and 4 grooves on N edges from which a pinon tree 6 ins diam bears N 59° 15' E 50 lks dist marked T. 29. N. R. 4. E. S. 19. B. T. a pinon tree 8 ins diam bears S 78° 15' E 79 lks dist marked T. 29. N. R. 4. E. S. 30. B. T. a pinon tree 6 ins diam bears S 59° 45' W 17 lks dist marked



23

BOOK 1361

East Bely T. 29. N. R. 3. E

chs

T. 29. N. R. 3. E. S. 25. B. T.

a cedar tree 10 ins diam base

N 78° 15' W 15 lks dist marked

T. 29. N. R. 3. E. S. 24. B. T.

Land rough and rolling.

Soil rocky and 4<sup>th</sup> rateTimber Piñon Cedar and  
Pine.

Heavily timbered land

8000chs

North bet Secs 19 and 24.

Through dense cedars and  
piñons over rough rolling  
ground.

16.00

Dry ravine 50 lks wide 40ft  
deep course S 50° W.

17.00

ascend over steep rocky  
ground sloping S. E.

19.00

Top of steep rocky slope and

## Coast Belt T. 29 N. R. 3. E.

- chs. ascend gradually.
- 28.00 Dry rocky ravine course S. W.
- 32.00 ascend gradually over rough rocky ground.
- 40.00 Set a limestone  $16 \times 8 \times 6$  ins 12 ins in the ground for 14 see evr marked 14 on W face from which
- a piñon tree 7 ins diam bears  $N 50^{\circ} 15' E$  28 lks dist marked 14.5. 19. B.T.
- a piñon tree 6 ins diam bears  $N 48^{\circ} 15' W$  14 lks dist marked 14.5. 24. B.T.
- Thence through dense oak under growth and heavy pines
- 70.00 pass along westerly slope of rocky ridge -
- 80.00 Set a limestone  $16 \times 10 \times 6$  ins 12 ins in the ground for

95 Coast Bely T. 29. N. R. 3. E.

Chs

for cor of Secs 13. 18. 19 and 24  
marked with 3 notches on  
N. and S. edges from which  
a pine tree 14 ins diam bears  
N 25° E 40 lks dist marked  
T. 29. N. R. 4. E. S. 18. B. T.

a pine tree 34 ins diam bears  
S 2° E 28 lks dist marked  
T. 29. N. R. 4. E. S. 19. B. T.

a cedar tree 9 ins diam bears  
S 83° W. 33 lks dist marked  
T. 29. N. R. 3. E. S. 24. B. T.

a pine tree 20 ins diam bears  
N 25° 45' W 127 lks dist marked  
T. 29. N. R. 3. E. S. 13. B. T.

Land rough and rolling  
Soil loam and rocky 3<sup>rd</sup> and  
4<sup>th</sup> rate.

Timber Pine cedars and  
pine -

East Bely T. 29 N. R. 3. E.

Chs.

Heavily timbered land

80.00 chs

October 14-1900.

October 15 at 7 h. 55 m. <sup>a.m.</sup> l. m. t.  
 I set of  $8^{\circ}28'$  decl and  $54^{\circ}8'$   
 so lat with the vertical circle  
 and determine a true meri-  
 dian with the Solar at the  
 Cor of sees 13, 18, 19 and 24.

Thence I run

North bet sees 13 and 18.

Through dense pinon, cedar  
 and large pines.

5.20 cross dry ravine 40 lks  
 wid 25 ft deep course S 50° W  
 and ascend rapidly.

27.00 Top of ascent and descend  
 rapidly over rocky ground

32.25 Dry ravine 50 lks wide

## East Bely T. 29. N. R. 3. E

- Chs 40ft deep course S 60° W  
and ascend abruptly.
- 34.00 Top of abrupt ascent and  
ascend gently.
- 40.00 Set a limestone 30x10x6 ins  
20 ins in the ground marked  
1/4 on W face for 1/4 Sec cor from  
which  
a pine tree 14 ins diam bears  
N 45° 15' E. 55 lks dist marked  
1/4 S. 18. B.T.  
a pine tree 14 ins diam bears.  
N 26° 45' W 26 lks dist marked  
1/4 S. 13. B.T.
- 42.00 Cross dry ravine course S 50° W  
and ascend abruptly.
- 44.00 Top of abrupt rocky ascent  
and ascend gradually over  
rocky ground sloping N. W.
- 60.00 Encounter dense oak and

East Bdy T. 29. N. R. 3. E <sup>28</sup>

- obs Buck brush.
- 70.50 Dry ravine comes S. W. and ascend gradually.
- 80.00 Set a limestone 20 x 10 x 6 ins 12 ins in the ground for cor of Secs. 7. 12. 13 and 18. marked with 4 notches on S and 2 on N edges from which a pine tree 18 ins diam bears N 47° 30' E 83 lks dist marked T. 29. N. R. 4. E. S. 7. B. T.
- a pine tree 30 ins diam bears S 30° 15' E 68 lks dist marked T. 29. N. R. 4. E. S. 18. B. T.
- a pine tree 20 ins diam bears S 10° W 88 lks dist marked T. 29. N. R. 3. E. S. 13. B. T.
- a pine tree 20 ins diam bears N 56° 45' W 224 lks dist marked T. 29. N. R. 3. E. S. 12. B. T.

East Bay T. 29. N. R. 3. E.

Chs

Land rolling and mountainous  
Soil rocky and 4<sup>th</sup> rate.  
Timber Pinon Cedar and Pine  
Heavily timbered land 80.00 Chs.

North bit sees 7 and 12.

Through heavy pine timber dense  
oak and buck underbrush.

18.00 Descend gently

30.00 Begin abrupt ~~swely~~ ascent

32.00 Top of rocky ridge bears N.W.  
and S.E. descend gradually.

40.00 <sup>set g</sup> Limestone 14 x 12 x 7 ins 10 ins  
in the ground for 1/4 see cor  
Marked 14 on W face from  
which a pine tree 16 ins diam  
bears S 45° 15' E 158 lbs dist marked  
1/4 S. 7. B. T.

a pine tree 20 ins diam bears  
S 87° 15' W 106 lbs dist marked

East Bely. T. 29. N. R. 3. E.

- Chs. 44.5. 12. B.T.
- 55.00 Begin gradual descent.
- 67.00 descend gradually
- 73.00 descend rapidly along narrow ridge bearing N. and S.
- 80.00 Set a limestone 18x16x4 ins 12 ins in the ground for cor of Pcs 1. 6. 7 and 12. marked with 5 notches on S and 1 notch on N edges. from which a pine tree 20 ins diam bears N 30° 05' E 100 lks dist marked T 29. N. R. 4. E. S. 6. B.T.
- a pine tree 15 ins diam bears S 69° 15' E 56 lks dist marked T 29. N. R. 4. E. S. 7. B.T.
- a pine tree 20 ins diam bears S 47° 15' W 74 lks dist marked T, 29. N. R. 3. E. S. 12. B.T.
- a pine tree 26 ins diam bears



Coast Belt T. 29. N. R. 3. E.

Chs

N 41° 10' W / 19 lks dist marked  
T. 29. N. R. 3. E. S. 1. B. T.Land rolling and mountainous  
Soil rocky and 4<sup>th</sup> rate.Timber Piñon cedar and Pine  
Dense undergrowth and heavily  
timbered land 8000 chs

North bet secs 1 and 6.

over rough mountainous  
land and through heavy timber-  
Descending.

1.50

Wagon road leading from  
Playstaff to Rain Tank.  
bear E and W.

3.00

ascend abruptly over limestone  
stone cliff 50 ft high bears  
E and W.

7.00

Top of limestone cliff and  
ascend gradually over rocky

## East Bay T. 29. N. R. 3. E.

- |       |  |
|-------|--|
| Chs   | ground.  |
| 20.00 | Begin abrupt rocky descent<br>bears to SW.   |
| 23.50 | Dry ravine course S 80° W.   |
| 24.00 | ascend abruptly over rocky bluff   |
| 26.00 | Top of rocky bluff bears E & W<br>and ascend gradually.  |
| 40.00 | Set a limestone 16x10x8 in<br>12 in in the ground for 1/4 Sec<br>Cor marked 1/4 on W face.<br>from which<br>a pine tree 18 ins diam bears<br>S 80° 30' E 46 lks dist marked<br>1/4. S. 6. B.T.<br>a pine tree 22 ins diam bears<br>S 88° 30' W 84 lks dist marked<br>1/4. S. 1. B.T. |
| 78.00 | Descend rapidly  |
| 79.00 | Dry ravine 40 lks wide course<br>S 80° W. and ascend rapidly   |

Coast Bdy T. 29. N. R. 3. E.  
 Qhs

80.50 Set a limestone 24x12x10 ins  
 15 ins in the ground for cor of  
 T. 29 and 30 N. R. 3 and 4 E.  
 marked with 6 notches on  
 each edge from which a  
 a pine tree 18 ins diam bears  
 N 66° 10' E 36 lks dist marked  
 T. 30. N. R. 4. E. S. 31. B. T.

a pine tree 14 ins diam bears  
 S 74° 50' E 54 lks dist marked  
 T. 29. N. R. 4. E. S. 6. B. T.

a pine tree 20 ins diam bears  
 S 53° 05' W 78 lks dist marked  
 T. 29. N. R. 3. E. S. 1. B. T.

a pine tree 18 ins diam bears  
 N 86° 30' W 73 lks dist marked  
 T. 30. N. R. 3. E. S. 36. B. T.

Land rough and mountainous  
 Soil rocky and 4<sup>th</sup> rate.  
 Timber. Pine

North Bely 722 N.R.3.E.

Chs

Heavily timbered or moon-  
laneous land 80.00 Chs.

October 15-1900.

October 16 at 8<sup>h</sup> 15<sup>m</sup> <sup>a.m.</sup> <sub>λ</sub> <sup>l.m.t.</sup> S  
set of 8° 51' decl and 54° 5' lat  
on the vertical circle and de-  
termine a true meridian with  
the solar at the cor of Tps 29  
and 30 N R's 3 and 4 E.

Thence I run

west on a random line  
along the N bely of Tps 29 N.R.3.E.  
Setting temp. 1/4 sec and see  
cors. at intervals of 4000 chs.  
at 240 chs set temp cor for sees  
3.4.33 and 34.

October 16. 1900

November 3 at 7<sup>h</sup> 50<sup>m</sup> <sup>a.m.</sup> <sub>λ</sub> <sup>l.m.t.</sup>

North Bely T. 29. N. R. 3. E.

Chs I set off  $15^{\circ} 1'$  decl and  $54^{\circ} 5'$  co lat with the vertical circle and determine a true meridian with the solar at temp cor of obs 3. 4. 33 and 34 pre set on N bely of Tp 29. N. R. 3. E. and run a random line west. at 479.14 intersect N and O line 29 lks N of cor of Tps 29 and 30 N R 5 2 and 3 E. which I established October 13. 1900. The falling answers a correction  $0^{\circ} 2'$  pr. 5 lks. per. mile. S. Thence I run N  $89^{\circ} 58' E$  bet sees 6 and 31 over rolling land heavily timbered with Pine trees and oak undergrowth

4.50 Dry ravine 2 chs wide

## North Belz T. 29. N. R. 3. E.

- |       |  |
|-------|--|
| chs   | course S 70° W.  |
| 4.80  | wagon road bears N E and S W.  |
| 6.50  | Begin ascent over rocky ground.  |
| 10.00 | Top of rocky ascent and ascend gradually.  |
| 33.00 | Top of ascent and descend gradually.   |
| 39.14 | Set a limestone 15 x 8 x 5 in for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N face from which a pine <sup>tree</sup> 20 in diam bears N 9° 35' W 157 lks dist marked 1/4 S. 31. B.T. |
|       | a pine tree 18 in diam bears S 76° 10' E 177 lks dist marked 1/4 S. 6. B.T.  |
| 42.00 | Shallow dry ravine 2 chs wide course S. W.   |

North Bely. T. 29. N. R. 3. E.

Chs

44.00 Begin gentle ascent.

70.00 Top of gentle ascent thence  
over level rocky ground

77.00 Begin gentle descent

79.14 Set a limestone  $16\frac{1}{2} \times 10 \times 8$  ins  
12 ins in the ground for cor  
of sees 5. 6. 31 and 32  
marked with 1 notch on W.  
and 5 notches on E edges -  
from which

a pine tree 18 ins diam bears  
N  $70^{\circ} 10' E$  101 lks dist marked  
T. 30. N. R. 3. E. S. 32. B. T.

a pine tree 20 ins diam bears  
S  $72^{\circ} 10' E$  29 lks dist marked  
T. 29. N. R. 3. E. S. 5. B. T.

a pine tree 24 ins diam bears  
S  $36^{\circ} 30' W$  320 lks dist marked  
T. 29. N. R. 3. E. S. 6. B. T.

a pine tree 15 ins diam bears

North City

T. 29. N. R. 3. E.

38

Chs.

N 46° 20' W 47 lks dist marked  
 T. 30. N. R. 3. E. S. 31. B. T.  
 Land level and rolling  
 Soil rocky 2<sup>nd</sup> and 4<sup>th</sup> rate  
 Timber Pine -  
 Heavily timbered land 8000 Chs

N 89° 58' E bet Secs 5 and 32  
 over rolling land heavily  
 timbered.

40.0

Dry ravine 3 Chs wide 20  
 ft deep course S 60° W

7.00

ascend gradually.

40.00

Set a limestone 20x14x12 ins  
 14 ins in the ground for 1/4 sec  
 cor marked 1/4 on N face  
 from which

a pine tree 10 ins diam bears

N 35° W 19 lks dist marked  
 1/4 S. 39. B. T.



North Bay T. 29. N. R. 3. E.

Chs	a pine tree 22 ins diam bears 545°35' E 42 lks dist marked 1/4 S. S. B. T.
51.00	Abrupt descent 20 ft deep
53.00	Foot of abrupt descent
54.00	Abrupt ascent.
56.00	Top of abrupt ascent and ascend gently
60.00	Begin gradual descent
64.00	Leave gradual descent and descend rapidly over rocky ground
66.00	Foot of steep descent bears N. E. and S. W. and begins ascent
70.00	Top of ascent
75.00	Descend gradually.
80.00	Set a limestone 20x16x8 ins 14 ins in the ground for cor of Secs 4. 5. 32 and 33. marked

North Bely T. 29. N. R. 3. E.

chs with 4 notches on E and 2 notches on W edges - from which a pine tree 18 ins diam bears N 37° E 62 lks dist marked T. 30, N. R. 3. E., S. 3. B. T.

a pine tree 24 ins diam bears S 12° 30' E 72 lks dist marked T. 29, N. R. 3. E., S. 4. B. T.

a pine tree 10 ins diam bears S 28° 40' W 59 lks dist marked T. 29, N. R. 3. E., S. 5. B. T.

a pine tree 22 ins diam bears N 36° W 48 lks dist marked T. 30, N. R. 3. E., S. 3. B. T.

Land rolling and level  
Soil rocky 2<sup>nd</sup> and 4<sup>th</sup> rate  
Timber pine.  
Heavily lumbered land

80000chs

November 3, 1900

North Bely T. 29. N. R. 3. E.

Chs November 4 at 7 h. 58<sup>a.m.</sup> m. l. Mt.  
 I set of 15° 20' decl and 54° 5'  
 co lat with the vertical  
 circle and determine a  
 true meridian with the  
 solar at the cor of Decs  
 4. 5. 32 and 33.

Thence I run

N 89° 58' E bet Decs 4 and  
 33.

over rolling land heavily  
 timbered - ascending gently,

18.00 Top of ascent and begin  
 gentle descent,

26.00 Foot of gentle descent thence  
 over level land

35.00 Begin gentle ascent

37.00 Top of ascent

40.00 Set a limestone 18x10x4 ins  
 12 ins into the ground for

North Bely T. 29. N. R. 3. E.

- chs 1/4 sec cor marked 1/4 on  
W face from which  
a pine tree 15 ins diam bears  
N 23° E 14 lks dist marked  
1/4 S. 33. B.T.  
a pine tree 20 ins diam bears  
S 30° 30' E 60 lks dist marked  
1/4 S. 4. B.T.
- 41.50 Begin descent.
- 43.00 foot of descent
- 44.00 Begin sharp rocky ascent
- 48.00 Top of ascent
- 62.00 enter level open ground
- 66.30 wagon road bears N W 75 E
- 72.00 Leave open ground and  
enter heavy timber
- 80.00 Dit a limestone 18 x 12 x 8 ins  
12 ins in ground for cor of sec  
3. 4. 33 and 34 marked with  
3 notches on E and W edges

North Bely T. 29. N. R. 3. E.

chs

from which

a pine tree 24 ins in diam bears

N 82° E 49 lks dist marked

T. 30. N. R. 3. E. S. 34. B. T.

a pine tree 36 ins diam bears

S 41° 30' E 158 lks dist marked

T. 29. N. R. 3. E. S. 3. B. T.

a pine tree 30 ins diam bears

S 13° 30' W 76 lks dist marked

T. 29. N. R. 3. E. S. 4. B. T.

a pine tree 20 ins diam bears

N 49° 30' W 92 lks dist marked

T. 30. N. R. 3. E. S. 33. B. T.

Land level and rolling

Soil loam and rocky 2<sup>nd</sup> and

4<sup>th</sup> rate

Timber Pine -

Heavily timbered land

70.00 chs -

North Bely T. 29. N. R. 3. E.

Chs N 89° 58' E bet Secs 3 and  
34.  
over rolling land heavily  
timbered.

40.00 Set a limestone 17x12x4 ins  
12 ins in ground for  $\frac{1}{4}$  sec cor  
marked  $\frac{1}{4}$  on N face from  
which

a pine tree 18 ins diam bears  
N 33° W 90 lks dist marked  
 $\frac{1}{4}$  S. 34. B.T.

a pine 10 ins diam bears  
S 3° 10' E 49 lks dist marked  
 $\frac{1}{4}$  S. 3. B.T.

Ascending gradually -

50.00 Top of ascent. and descend  
gently.

65.00 ascend gently.

80.00 Set a limestone 18x12x5 ins  
12 ins in the ground for cor of

North Bely. T. 29. N. R. 3. E

Chs

Sees 2. 3. 34 and 35 marked  
With 4 notches on the W and

2 notches on the E <sup>edges</sup> from which  
pine tree 22 ins diam bears

N 44° E 59 lks dist marked  
T. 30. N. R. 3. E. S. 35. B. T.

a pine tree 14 ins diam bears

S 62° 30' E 55 lks dist marked  
T. 29. N. R. 3. E. S. 2. B. T.

a pine tree 14 ins diam bears

S 53° 50' W 129 lks dist marked  
T. 29. N. R. 3. E. S. 3. B. T.

a pine tree 36 ins diam bears

N 86° 30' W 84 lks dist marked  
T. 30. N. R. 3. E. S. 34. B. T.

Land rough and rolling

Soil loam and rocky

2<sup>nd</sup> and 4<sup>th</sup> rate

Timber Pine.

Heavily timbered land

North Bely T. 29 N. R. 3. E.

Chs

80.00 Chs -

N 89° 58' E for 200 yds and 35'  
over rolling land heavily  
timbered.

5.00

Begin gradual ascent

10.00

Top of ascent thence over  
level land

13.00

Begin abrupt descent

15.00

Cross dry ravine 200 yds  
with course S. W.

17.00

Begin gradual ascent

40.00

Set a limestone 16 x 12 x 10  
ins 12 ins in the ground for 1/4  
Dec cor marked 1/4 on N face  
from which  
a pine tree 30 ins diam bears  
N 50° E 90 yds dist marked  
1/4. S. 35. B. T.

a pine tree 15 ins diam bears



## North Bely T. 29. N. R. 3. E

- chs S45°30'E 30 lks dist marked  
1/4 S. 2. B.T.
- 43.50 Small dry ravine 40 lks  
wide course S W.
- 54.00 Dry ravine 40. lks wide course  
N. W.
- 66.00 Top of ascent and descend  
gradually.
- 80.00 Set a limestone 16x14x6 ins 12  
ins in the ground for cor of  
Sees 1. 2. 35. and 36. marked  
with 5 notches on W and 1  
notch on E edges. from which  
a pine tree 33 ins diam bears  
N 67°30'E 96 lks dist marked  
T. 30. N. R. 3. E. S. 36. B.T.  
a pine tree 20 ins diam bears  
S 11° E 75 lks dist marked  
T. 29. N. R. 3. E. S. 1. B.T.  
a pine tree 22 ins diam bears

North Bay

BOOK 1361

48

T. 29. N. R. 3. E.

Chs

S 51° W 87 lks dist marked

T. 29. N. R. 3. E. S. 2. B. T.

a pine <sup>tree</sup> 20 ins diam bears

N 65° 20' W 86 lks dist marked

T. 30. N. R. 3. E. S. 35. B. T.

Land rolling.

Soil 3<sup>rd</sup> and 4<sup>th</sup> rate.

Timber pine.

Heavily timbered land 80.00 chs

N 89° 58' E bet Secs 1 and 36  
over rolling land through  
heavy timber.

2.00 Begin rapid descent 40 lks  
deep

3.00 Foot of descent on W  
bank of ravine 3 chs wide  
course S 60° W.

6.00 Begin ascent.

8.00 Top of ascent and ascent

49 North Bely T. 29. N. R. 3. E

Chs	gradually
20.00	Top of gradual ascent
21.00	Begin gradual descent.
25.00	Pass along ground sloping N.
40.00	Set a limestone $16 \times 10 \times 4$ ins 12 ins in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N face from which a pine tree 30 ins diam bears $N 17^{\circ} 30' W$ 36 lks dist marked $\frac{1}{4} S. 36. B. T.$
	a pine tree 24 ins diam bears $S 57^{\circ} 30' W$ 8 lks dist marked $\frac{1}{4} S. 1. B. T.$
50.00	Begin ascent
<del>50.00</del> 53.50.	Top of ascent and descent
57.00	Foot of descent and cross dry ravine 250 lks wide course $N 80^{\circ} W$
59.00	Begin ascent over

North Bely T. 29. N. R. 3. E.

Chs

rocky ground sloping  
N

65.00

gradually descending along  
N side of dry ravine

68.00

ascend along N bank of  
dry ravine

80.00

The cor of Tps 29 & 30 N  
R 3<sup>rd</sup> & 4<sup>th</sup> E.

Land rolling -

Soil loam and rocky  
3<sup>rd</sup> and 4<sup>th</sup> rate.

Temper Pine.

Heavily timbered land 80.00 ch  
Nov 4 1900.

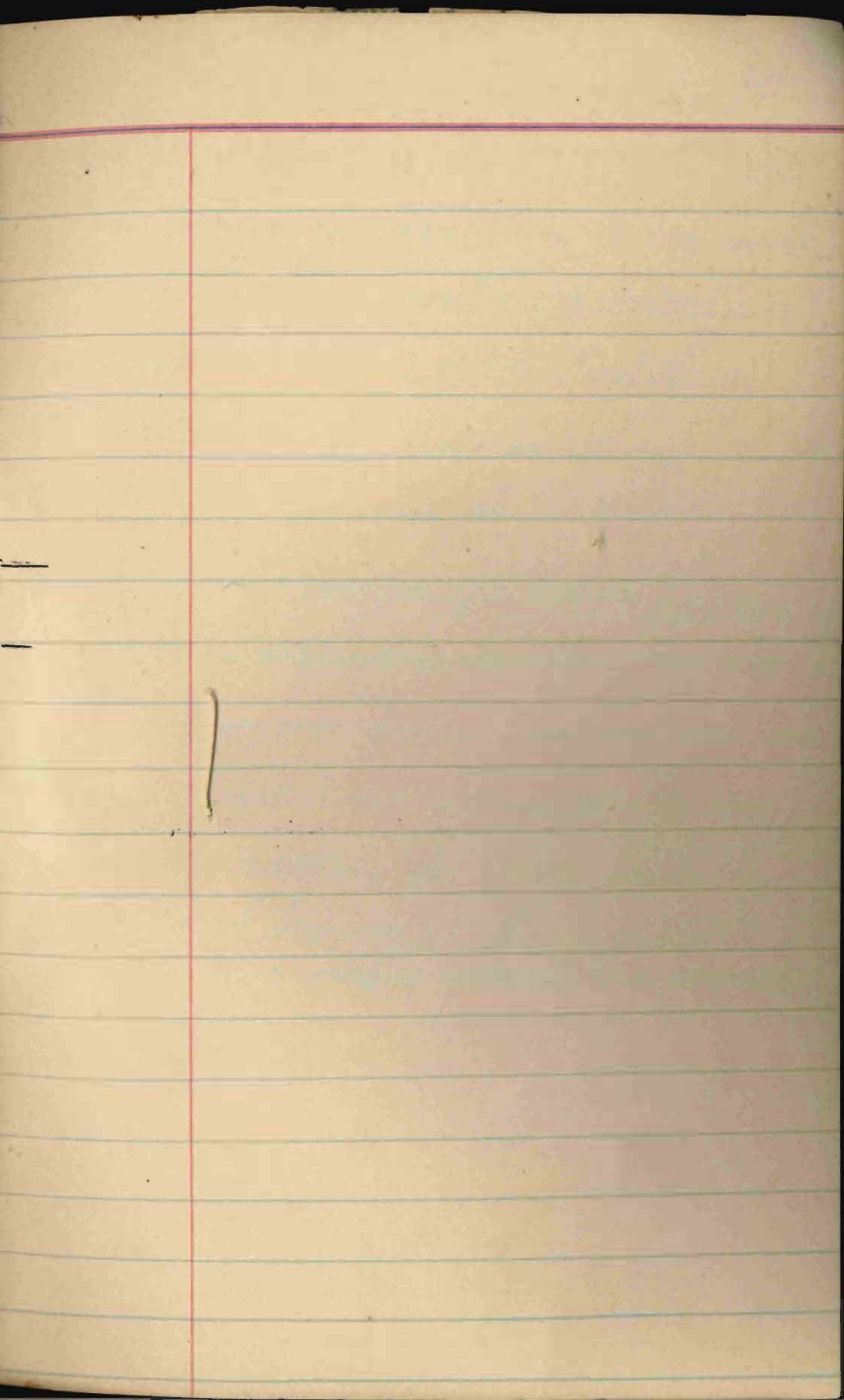
ERROR of LATITUDE<sup>9m</sup> DEPARTURE

BDY.	COURSE	DIST.	N.	S.	E.	W.
N.	N 89° 58' E	479.14	00.273		479.14	
E.	South	480.00		480.00		
S.	West	480.00				480.00
W	North	480.00	480.00			
		Convergency			.52	
			480.273	480.00	479.66	480.00
			480.00			479.66

ERROR of LAT. .273 ERROR of DEP. .34

Sign. Here ( )

U. S. Depy. Surveyors.



APPROVAL.

BOOK 1361 52

OFFICE OF THE U. S. SURVEYOR GENERAL,

Tucson, Arizona,

Mar 5

1901

The foregoing field notes of the survey  
of The North, east and west  
Boundaries T. 29 N. R. 3 E.

Gila & Salt River Meridian,

executed by

*James B. Pope*

under his contract no. 75, dated 6/3/1900

having been critically examined, and the  
necessary corrections and explanations made,  
the said field notes, and the surveys they describe, are hereby approved.

*George Lhuat*

U. S. Surveyor General for Arizona.

No. 1360

BOOK 1360

X

(See Survey by W. C. Caudle, 1902)  
(this package)

1360

4-671

BOOK 1360

FIELD NOTES

GENERAL LAND OFFICE.

1<sup>st</sup> Guide Meridian East  
1<sup>st</sup> Township 24. North  
bet Rs. 440 East

✓



BOOK 1360

# Index

1st Guide M. Count

6					
21					
78					
150					
192					
192					
304					
317					

T. 24 N

R. 5 E

2-3  
blank

No. 1360

BOOK 1360

1.

Field Notes  
of the survey of the  
First Guide Meridian East  
through  
Township No. 24, North  
of the  
Gila and Salt River Base and Meridian  
in the  
Territory of Arizona  
as surveyed by  
Francis W. Cury,  
U. S. Deputy Surveyor,  
Charles E. Perkins,  
Compassman and U. S. Deputy Surveyor  
under his contract No. 31,  
dated June 23, 1893.

Survey commenced May 2, 1894.

Survey completed May 3, 1894.

H.

Pages 2 and 3  
are blank.

BOOK 1360

## First Guide Meridian East

Chs.

Survey commenced May 2,  
1894, with a W. & L. E. Gurley  
transit, with solar attach-  
ments.

At the corner to townships  
23 and 24 North, Range 4  
and 5 East, which is a  
stone firmly set and prop-  
erly marked, and witnessed  
as described in the field  
notes furnished by the  
Surveyor General, I set  
off  $15^{\circ} 33' N$  on the decl. arc,  
and at  $11^h 56'$  a.m. local  
mean time, observe the  
Sun on the meridian;  
the resulting lat is  
 $35^{\circ} 23' N$ , the true latitude  
nearly.

through Sp. 24 North

chains

At 8<sup>h</sup> 20<sup>m</sup> p.m. l.m.t.  
by my watch, which I  
compares with the solar  
today, I take an obser-  
vation on Polaris, in ac-  
cordance with instruc-  
tions in the manual,  
and find the magnetic  
bearing of the Star to  
be  $14^{\circ} 37' W$ . I drive  
a picket on the line  
thus found, five chains  
north of the corner.

correct local mean time  
of observation may 2<sup>d</sup> 8<sup>h</sup> 20<sup>m</sup>

Tabular time, u. c. Polaris

may 1<sup>st</sup> 1894.  $22^h 36.60$

Reduction 1 day 3.93. Sub  $393$

Local mean time u. c. Polaris

may 2<sup>d</sup>, 1894.  $22.32.67^m$

## First Guide Meridian East

chs. which taken from time of  
 observation, leaves hour angle  
 of Polaris  $9.47^m$   
 azimuth of Polaris for  
 lat.  $35^{\circ} 23' N.$   $0.50 W$   
 North end of needle  $14^{\circ} 37' E$

The difference is the

variation

$13.47 E$   
~~off the meridian to the west and error~~  
~~in the meridian to the east may 2, 1894~~  
 may 3, at 7 a.m. I take the

magnetic bearing of the  
 line established last  
 night, and find it to be  
 $N. 14^{\circ} 40' W.$  and the var-  
 iation  $13^{\circ} 48' E.$

The mean variation is  
 $13^{\circ} 45' East.$

The solar apparatus, by  
 P.M. and a.m. observations  
 defines position for

through Twp. 24 North (cont'd)

the true meridians, the same as that established by the Polaris observations: therefore I conclude that the adjustments of the instrument are satisfactory.

I begin at the corner to townships 23 and 24 North Ranges 4 and 5 East, as hereinbefore described

Thence I run

North bet. secs. 31 and 36.

Var.  $13^{\circ} 45'$  East

over level land, through heavy pine timber.

15.00 Leave heavy timber enter open park.

40.00 Set a line stone  $12 \times 10 \times 8$

## First Guide meridian East

- cho. ins 8 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor. marked  
 $\frac{1}{4}$  on W. face, dug pits  
 $18 \times 18 \times 12$  ins. N. and S.  
of stone  $5\frac{1}{2}$  ft. dist. and  
raised a mound of earth  
 $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base,  
alongside ~~Pits impractic-~~  
~~able.~~
- Thence over level prairie.
- 48.00 Leave Park enter scattering  
pine timber.
- 75.50 Leave timber, enter open  
park.
- 80.00 Set a line stone  $16 \times 14 \times 10$   
ins 12 ins. in the ground  
for cor. to secs. 25, 30, 31 and  
36, marked with 5 notches  
on N. and 1 notch on S.

through Sp. 24 North (cont'd)

chs edges, dug pits  $18 \times 18 \times 12$  ins  
in each section,  $5\frac{1}{2}$  ft.  
dist, and raised a mound  
of earth 2 ft high,  $4\frac{1}{2}$  ft  
base, alongside, from which  
a Pine 24 ins. diam. brs.  
S.  $15^{\circ} 56'$  W. 191 lks dist,  
marked T 24 N. R 4 E S 36 B.T.  
No other trees within limits  
Land, level.

Soil, 2nd rate

Timber, scattering pine 27.50 chs

Heavily timbered land, 15 chs.

North bet. secs 25 and 30.

Var.  $13^{\circ} 45'$  East.

Even level land.

28.00 Leave park, enter heavy  
timber and brush.



## First Guide Meridian East

chs.

39.00 ascent 250 feet.

40.00 Set a sand stone  $14 \times 10 \times 9$  ins. 11. ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face, and raised a mound of stone  $1\frac{1}{2}$  feet high,  $2\frac{1}{2}$  ft. base alongside, from which

a Pine 44 ins. diam. hrs.  
S.  $63^{\circ} 11' E$ . 51 lbs. dist. marked  $\frac{1}{4}$  S. B.T.

a Pine 36 ins. diam. hrs.  
S.  $16^{\circ} 12' E$ . 72 lbs. dist.  
marked  $\frac{1}{4}$  S. B.T.

64.00 Top of broad ridge, course E. and W.

Descent 100 ft.

74.00 Foot of descent, wash 4 ft deep, course W.

through Sp. 24 North (contd)

chs. ascend 150 feet.

- 80.00 Set a sandstone  $20 \times 16 \times 8$   
 ins. 15 ins. in the ground  
 for corner to see 19, 24,  
 25 and 30, marked with  
 4 notches on N. and 2  
 notches on S. edges,  
 from which a  
 a Pine 40 ins diam. bro  
 N.  $0^{\circ} 41' E$ . 106 lbs. dist.  
 marked T. 24 N. R. 5 E. S. 19 B.T.  
 a Pine 10 ins. diam. bro  
 S.  $73^{\circ} 14' E$ . 77 lbs. dist.  
 marked T. 24 N. R. 5 E. S. 30 B.T.  
 a Pine 14 ins. diam. - bro  
 S.  $25^{\circ} 46' W$ . 104 lbs. dist.  
 marked T. 24 N. R. 4 E. S. 25 B.T.  
 a Pine 8 ins. diam. bro  
 N.  $59^{\circ} 30' W$ . 41 lbs. dist.

## First Guide Meridian East

chains marked T. 24 N. R 4 E. S. 24 BT.  
 Land, mountainous and level,  
 Soil, stony, 25 and 35 rate.  
 Timber, Pine 52 chs. with  
 some undergrowth of Juniper  
 bush.

Heavily timbered on moun-  
 tainous land, 52 chains

North bet. secs. 19 and 24.

Var.  $13^{\circ} 45'$  East

over mountainous land,  
 through heavy timber.

Ascend 150 feet

32.00 Top of ridge, course E. and W.  
 Descend 100 feet

38.65 Foot of descent, ravine about  
 5 feet deep, course W. and  
 ascend 100 feet.

through Sp. 24 North (cont'd)

- 40.00 Set a sand stone  $20 \times 20 \times 16$  ins 15 ins in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face, and raised a mound of stone  $1\frac{1}{2}$  ft high  $2\frac{1}{2}$  ft. base, along side, from which a Pine 20 ins diam. bcs  $N. 7^{\circ} 11' E. 145$  lbs. dist marked  $\frac{1}{4}$  S. B.T.
- a Pine 40 ins. diam. bcs. S.  $72^{\circ} 37' E. 70$  lbs. dist marked  $\frac{1}{4}$  S. B.T.
- 40.50 Top of ridge, course W. and Descent 100 feet.
- 43.00 Ravine, 6 ft deep, course W. and ascent 100 ft.
- 69.00 Top of ridge, course W. and descent 250 ft.

## First Guide Meridian East

chs.

80.00

Set a malpais stone  $16 \times 12 \times 10$  ins. 11 ins. in the ground for cor. to secs 13, 18, 19 and 24, marked with 3 notches on the North and South edges, and raised a mound of stone  $1\frac{1}{2}$  ft. high,  $2\frac{1}{2}$  ft. base, alongside from which

a Pine 14 ins. diam. brs  
N.  $69^{\circ} 45'$  E. 53 lbs. dist  
marked T. 24 N. R. 5 E. b. 18 B.T.

a Pine 10 ins. diam. brs  
N.  $11^{\circ} 2'$  E. 53 lbs. dist.  
marked T. 24 N. R. 5 E. b. 18 B.T.

a Pine 20 ins. diam. brs  
N.  $66^{\circ} 49'$  E. 47 lbs. dist  
marked T. 24 N. R. 5 E. b. 18 B.T.

a Pine 24 ins. diam. brs.

through T<sub>24</sub> North (contd)

chs.

N.  $25^{\circ} 31' W$ . 51 lks dist. marked  
T<sub>24</sub> N. R. + E. S. 13 B.T.

Land, mountainous.

Soil, stony, 2<sup>o</sup> and 3<sup>o</sup> rate.

Timber, good quality pine

Mountainous or heavily timbered, 80 chs.

at this ear. I set off  $15^{\circ} 51' N$   
on the decl. arc, and at  
11 h 57<sup>m</sup> a. m. l. m. t. observe  
the Sun on the meridian  
the resulting lat is  
 $35^{\circ} 26' N$ , the true latitude nearly.

Thence I run

North bet. secs. 13 and 18.

Var.  $14^{\circ} 00'$  East.

## First Guide Meridian East

- chs. over mountainous land,  
 through thick pine timber  
 at this point the variation  
 has increased on account  
 of local attraction.
- 31.00 Ravine, 10 ft. deep, course W.
- 39.00 Ravine, 20 ft. deep, course W.
- 40.00 Set a malpais stone 20 x 16  
 x 16 ins. 15 ins. <sup>in</sup> the ground  
 for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$   
 on W. face, and raised a  
 mound of stone  $1\frac{1}{2}$  ft high  
 $2\frac{1}{2}$  ft. base, alongside,  
 from which  
 a Pine 30 ins. diam. b.s.  
 S.  $68^{\circ} 09'$  W. 180 lks dist.  
 marked  $\frac{1}{4}$  S.B.T.
- a Pine 14 ins. diam. b.s.  
 N.  $28^{\circ} 10'$  W. 117 lks dist.

through sp. 24 North (cont'd)

also marked  $1/4$  S. B.T.

Var.  $130^{\circ} 55' E$ .

ascend 150 ft.

54.00 Top of ridge, course N.

Descend 100 ft.

60.00 Ravine, 15 ft. deep, course N.

ascend 200 ft.

68.00 Top of ridge, course N.

Descend 150 feet.

80.00 Set a sand stone  $16 \times 12 \times 10$

ins. 11 ins in the ground

for cor. to sec. 7, 12, 13 and

18, marked with 2 matches

on N. and 4 matches on

S. edges, and raised a

mount of stone  $1\frac{1}{2}$  ft.

high, 3 ft. base, alongside.

from which

a Pine 20 ins. diam. has



## First Guide Meridian East

chs.

N.  $38^{\circ} 17' E$ . 106 lks. dist.  
 marked T. 24 N. R. 5 E. S. 7 B.T.  
 a Fir 6 ins diam. brs N.  
 88 N. 91 lks. dist. marked  
 T. 24 N. R. 4 E. S. 12 B.T.  
 a Pine 8 ins diam. brs  
 N.  $66^{\circ} 06' N$ . 132 lks. dist  
 marked T. 24 N. R. 4 E. S. 12 B.T.  
 No other trees within limits.  
 Land mountainous  
 Soil, rocky, 25 and 30 rate,  
 Timber, good pine.  
 Mountainous and heavily  
 timbered, 80 chains.

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North bet. sec. 7 and 12.

Var.  $13^{\circ} 55' E$ .

Over mountainous land  
 through thick timber.  
 Descend 350 feet.

through Sp. 24 North (contd)

- chs.
- 12.00 Foot of descent  
Thence over rolling broken  
land.
- 40.00 Set a malpais stone  $20 \times$   
 $14 \times 9$  ins. 15 ins. in the  
ground for  $\frac{1}{4}$  sec. cor.  
marked  $\frac{1}{4}$  on W. face,  
and raised a mound of  
stone  $1\frac{1}{2}$  ft. high,  $2\frac{1}{2}$   
ft. base, alongside,  
from which  
a Pine 8 ins. in diam.  
brs S.  $110^{\circ} 0.8' W.$  63 lbs.  
dist, marked  $\frac{1}{4}$  S. B.T.  
a Pine 6 ins. diam. brs  
S.  $26^{\circ} 5' E.$  58 lbs. dist  
marked  $\frac{1}{4}$  S. B.T.
- 61.00 Descend 40 feet.
- 64.00 Foot of descent.

## First Guide Meridian East

- chs Thence over rolling land.
- 65.00 Leave heavy timber, and enter open park.
- 80.00 Set a malpais stone 20 x 16 x 12 ins. 15 ins. in the ground, for cor to sec. 1, 6, 7 and 17, marked with 1 notch on N. and 5 notches on S. edges, and raised a mound of stone  $1\frac{1}{2}$  ft. high,  $2\frac{1}{2}$  ft. base, alongside, from which
- a Pine 12 ins. diam. hrs. N.  $80^{\circ}03'E$ . 305 lbs. dist marked T. 24 N. R. 5 E. S. 6 B.T.
- a Pine 6 ins. diam. hrs. N.  $86^{\circ}14'E$ . 258 lbs. dist marked T. 24 N. R. 5 E. S. 6 B.T.

through T<sub>24</sub> North (contd)

chs. a juniper 10 ins. diam.  
 bears N. 81° 03' E 300 lks.  
 dist. marked T. 24 N. R. 5 E. b. 6 B.T.  
 No other trees within limits.  
 Land, rolling and mountainous,  
 soil, stony, 2<sup>o</sup> and 3<sup>rd</sup> rate.  
 Timber, pine, fair quality. 65 chs  
 mountainous and heavily  
 timbered land, 65 chs.

North bet. secs. 1 and 6.

Var. 13° 40' East.

at this point the variation  
 began to decrease on ac-  
 count of local attraction.  
 over rolling land, through  
 scattering timber and brush.  
 8.00 Leave open park, enter  
 scattering timber

First Guide meridian East  
chs

- 19.00 Descent 40 feet.
- 30.00 Foot of descent, leave scattering timber, and enter open park. Thence over level land.
- 40.00 Set a mal paio stone  $24 \times 16 \times 10$  ins. 18 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face, and raised a mound of stone, covered with earth 2 ft. high, 4 ft base, along-side.
- Var.  $130^{\circ} 35' E$ .
- 41.50 Road, course S. W. and N. E.
- 78.30 Intersect the Sixth Standard Parallel North at a point 15.37 chs  $N 89^{\circ} 37' W$ . of the Standard cor. To Tps. 20 N. Rs. 4 and 5 E. at which point

through Sp. 24 North (cont'd)  
cho

I set a malpais stone 16x  
12x12 ins. 11 ins. in  
the ground for closing  
cor. to Sp. 24 N. R. 4 and 5  
E. marked C.C. on S. face  
with 6 notches on S, E, and  
W. faces, dug pits 24x18x  
12 ins crosswise on each  
line S, E, and W. of stone  
6 ft. dist. and raised a  
mound of stone, covered  
with earth, 2 1/2 ft high,  
5 ft. base, alongside.

Land rolling and level.

Gail, 1st and 2nd rate.

Timber, scattering pine.

May 3rd, 1894.

## First Guide Meridian East

cho.

## General Description.

The township on the west is rolling and mountainous in character. General settlers have improved ranches in the southern part, where there are several lakes of fresh water.

This township should be subdivided. The township on the East is mountainous and covered with good pine timber.

In this township there are also several settlers holding springs of fresh water for stock purposes.

through T. 24 North (cont'd)

chs. Both townships are  
covered with excellent  
grass

Charles E. Perkins  
Compassman <sup>and</sup>  
U.S. Deputy Surveyor



U. S. Surveyor-General's Office,

TUCSON, A. T., July 13, 1885.

The foregoing Field Notes of the Surveys of  
 the 1<sup>st</sup> Guide meridian  
 East thro Sp: 24 North.

Gila and Salt River Meridian  
 in Arizona executed by  
 F. W. Oury.

U. S. Deputy Surveyor, under his contract dated  
 21<sup>st</sup> June 1893  
 having been critically examined, the necessary correc-  
 tions and explanations made, the said Field Notes and  
 the surveys they describe are hereby approved.

Geo. H. Manning  
 U. S. Surveyor-General  
 for the Territory of Arizona.