

"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. Pope,

U. S. Dep. Surveyor

under his

Contract No. 75-Ariz.
dated June 13th 1900.

Survey commenced Oct. 10, 1900
Survey completed Nov. 5, 1900

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1156	5	4	3	2	1	31
12137						12.24
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255.30						25.21
363.31						36.18

T. 29. N. R. 3. E

Dady 2

West	Dady	T 29 N	R 3 E	3
East	"	" 29 N	" 3 E	18
North	"	" 29 N	" 3 E	

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BOOK 1361

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

Chains

October 10: at 8h 30m ^{a.m.} _{p.m.}
 I set off $54^{\circ}11'$ Co lat on the
 vertical circle and $6^{\circ}37'30''$ decl
 and determine a true Meridian
 with the solar at the stand-
 ard cor of T₂₉ N R_s 2 and 3. E.
 which is a limestone $6 \times 12 \times 4$
 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 waxy
 ground sloping N. W.

50.00

Set a limestone $30 \times 16 \times 6$

West 1/4 Sec. T. 29 N. R. 3. E.

ins 20 ins in the ground for
1/4 sec cor marked 1/4 on W
face when set

A piñon tree 8 ins in diam
bears S 90° 45' E 23 lks dist
marked, 1/4, S. 31, B.T.

A piñon tree 12 ins diam bears
N 89° 15' W 21 lks dist marked
1/4, S. 36, B.T.

40.95 a piñon tree ^{9 ins diam} 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 x 6 x 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 Bdy 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 pinon tree 10 ins diam bears
 S 78° 10' E 227 lks dist Marked
 T. 29. N. R. 3. E. S. 31. B. T.

a pinon 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 4th rate
 Timber pinon and cedar
 Dense undergrowth and
 heavily timbered land 76.0000

North bet Secs 25 and 30
 Over rolling land through

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

Chs	dense piwon and cedar timber
5.00	Dry ravine 1.00 chain wide course S. W.
25.00	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 1/4 sec cor marked 1/4 on W. face from which. a piwon tree 4 ins diam bears S 49° 30' E 46 lks dist marked 1/4 S. 30. B. T. a cedar tree 10 ins diam bears N 71° W 38 lks dist marked 1/4 S. 25. B. T.
55.00	abrupt ascent bears N. E. and S. W.
73.00	abrupt descent bears N. E. and S. W.
80.00	Set a limestone 16x8x6 ins

71

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° 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° E 96 lks dist marked
T. 29, N. R. 3, E. S. 30, B. T.

a pinon tree 12 ins diam bears
S 35° 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° W 32 lks dist marked
T. 29, N. R. 2, E. S. 24, B. T.

Land rough and broken

Soil rocky and 4th rate

Timber pinon and cedar

West Bdy

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

Heavily timbered land 8000cks -
October 10 - 1900.

October 12.

North bet sees 19 and 24.

Through dense Pinos 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
to and W. and descend

50.00

Foot of descent and ascend

74.00

Summit of ridge bears

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

Chs

80.00

E 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 ^{edges} ~~from~~
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 4th note

Wear Bely T. T. N. R. F. E.

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

October 12th 1900

Oct. 12th, 1900 at 2-15 p.m. S.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 secs 13, 24, 18 and 19
Thru S run

North cut secs 13 and 18
over rough rolling land
through dense pinon and
cedar timber.

15.00 Dry ravine course. W. 100
lks 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° E 14 lks dist marked
 $\frac{1}{4}$. S. 18. B.T.

a pinon tree 18 ins diam bears
 S 80° 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° W.

80.00 Set a limestone 20 x 10 x 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° 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° 30' 8" 135 lbs dist marked
T. 29. N. R. 3. E. S. 18. B. T.

a pine tree 12 ins diam bears
S 18° 30' W 160 lbs dist marked
T. 29. N. R. 2. E. S. 13. B. T.

a pine tree 30 ins diam bears
N 17° 10' W 179 lbs dist marked
T. 29. N. R. 2. E. S. 12. B. T.

Land rolling and rough
Soil rocky 3rd and 4th rate
Timber Piñon, Cedar and Pine
Heavily timbered land 80.00 cho.

October 12 - 1900.

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

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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 1/4 sec. cor.
marked 1/4 on W face, from
which.a pine tree 10 ins diam bears
N 47° 30' E 203 lks dist marked
1/4. S. 7. B. T.a pine tree 20 ins diam bears
S 89° W 64 lks dist marked
1/4. S. 12. B. T.

70.00

Begin gradual ascent

W. Bely

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

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 S and 1 on N ^{edges} ~~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

15th West 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.
74.00	Dry ravine 50 lks wide course S 75° W.
76.50	Begin abrupt ascent and cross wagon road bears S 70° W and N 60° E.
80.00	Set a limestone 36 x 10 x 6 ins 24 ins in the ground for cor of Tps. 29 and 30 N R. 2 and 3 E marked with 6 notches on each edge from which a pine tree 24 ins diam bears N 50° 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° 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. 2. E.

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

Soil Loam and rocky 3rd rate

Level and rolling

Timber Pine

Heavily timbered land 8000 chs
October 13. 1900

Note: - Finding the temporary corners, placed by Deputy Jacobs 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 & 4 E.

October 14 at 7.48 ^{a.m.} _{p.m.} 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-
 and cor of Tps 29 N. Rs. 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 Enter heavy pine timber and leave dense pine and cedar bears E and W.

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

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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 $\frac{1}{4}$ at 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 Bely T. 29. N. R. 3. E

- 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 Secs 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.

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

Chs

Land rough and rolling
Soil rocky and 4th salt
Timber pinon, cedar and Pine
Heavily timbered 80.00 Chs

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 1/4 Sec
Cor marked 1/4 on W face
from which
a pine tree 14 ins diam bears
N 68° 15' E 40 lks dist marked
1/4 S. 30. B.T.

a pinon tree 7 ins diam bears

East Bely T. 29. N. R. 3. E. ²²

- 38.00 S 38° W 29 lks dist marked
 1/4 S. 25. B. T.
- 46.00 ascend Southwly rocky slope
- 62.00 ascend across rocky western
 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

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

chs

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

a cedar tree 10 in diameter bears

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 4th rateTimber Piñon Cedar and
Pine.

Heavily timbered land

80.00 chs

North bet sees 19 and 24.

Through dense cedars and
piñons over rough rolling
ground.

16.00

Dry ravine 50 lks wide 40 ft
deep course S 30° W.

17.00

ascend over steep rocky
ground sloping S. E.

19.00

Top of steep rocky slope and

Coast Bely 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 $1/4$ sec cor marked $1/4$ on W face from which
- a piñon tree 7 ins diam bears $N 50^{\circ} 15' E$ 28 lks dist marked $1/4 S. 19. B.T.$
- a piñon tree 6 ins diam bears $N 48^{\circ} 15' W$ 14 lks dist marked $1/4 S. 24. B.T.$
- 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

25 East 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^d and
4th 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^{a.m.} m. l. m. s.
 I set of $8^{\circ}28'$ decl and $54^{\circ}8'$
 co 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 on rocky ground

32.25 Dry ravine 50 lks wide

East Belt 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 76° 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. E²⁸

- hs
 70.50 Cretc bush.
 Dry ravine course S. W. and
 ascend gradually.
- 80.00 Set a limestone 20x10x6 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.

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

Chs

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

North bet Secs 7 and 12.

Through heavy pine timber dense
oak and buck underbrush.

- 18.00 Descend gently .
- 30.00 Begin abrupt rocky ascent
- 32.00 Top of rocky ridge bears N.W.
and S.E. descend gradually.
- 40.00 ²⁹ Limestone 14 x 12 x 7 ins 10 ins
in the ground for 1/4 Sec cor
Marked 1/4 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 Secs 1. 6. 7 and 12. mark it 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

East Bely T. 2. 9. N. R. 3. E.

Cho

N. 41° 10' W 119 lks dist marked
T. 2. 9. N. R. 3. E. S. 1. B. T.

Land rolling and mountainous
Soil rocky and 4th rate.

Timber Piñon cedar and Pine
Dense undergrowth and heavily
timbered land 80.00 Cho

North bit Secs 1 and 6.

over rough mountainous
land and through heavy timber-
Descending.

1.50 Wagon road leading from
Flagstaff to Rain Tank.
bears E and W.

3.00 ascend abruptly over lime-
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. ³²

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

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

80.00 Set a limestone 24x12x10 ins
 15 ins in the ground for cor of
 Tps 29 and 30 N Rs 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 4th rate.

Timber. Pine

North Bely T22 N. R. 3. E.

Chs

Heavily timbered or mountainous land 80.00 Chs.

October 15-1900.

October 16 at 9 h 15 m ^{a.m.} _{l.m.t.}: I set of $8^{\circ} 51'$ decl and $54^{\circ} 5'$ lat on the vertical circle and determine a true meridian with the solar at the cor of Tps 29 and 30 N Rs 3 and 4 E.

Thence I run

West on a random line along the N bely of T. 29. N. R. 3. E. setting temp. $\frac{1}{4}$ sec and see cor. 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 h 50 m ^{a.m.} _{l.m.t.}

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 Rs 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 Secs 6 and 31 over rolling land heavily timbered with Pine trees and oak undergrowth

4.50 Dry ravine 2 chs wide

North Bdy 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 ins for 1/4 sec cor marked 1/4 on N face from which a pine ^{tree} 20 ins diam bears N 9° 35' W 157 lbs dist marked 1/4 S. 31. B. T. a pine tree 18 ins diam bears S 76° 10' E 177 lbs 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 whicha 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 Butte

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 very 2nd and 4th rate

Timber Pine -

Heavily timbered land 80.00 Chs

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

40.00

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. 5. 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 2nd and 4th 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 m. ^{a.m.} 1901.

I set of $15^{\circ}20'$ decl and $54^{\circ}5'$ col lat with the vertical circle and determine a true meridian with the solar at the cor of Secs 4, 5, 32 and 33.

Thence I run

N $89^{\circ}58' E$ bet Secs 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 $18 \times 10 \times 4$ ins
12 ins into the ground for

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

- | | |
|-------|--|
| chs | 14 see cor marked $\frac{1}{4}$ on
W face from which
a pine tree 15 ins diam bears
N 23° E 14 lks dist marked
$\frac{1}{4}$ S. 33. B.T.
a pine tree 20 ins diam bears
S 30° 30' E 60 lks dist marked
$\frac{1}{4}$ 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 $W 75^{\circ}$ E |
| 72.00 | Leave open ground and
enter heavy timber |
| 80.00 | Get a limestone $18 \times 12 \times 8$ ins
12 ins in ground for cor of sees
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 lbs dist marked

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

a pine tree 36 ins diam bears

S 41° 30' E 158 lbs dist marked

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

a pine tree 30 ins diam bears

S 13° 30' W 76 lbs dist marked

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

a pine tree 20 ins diam bears

N 49° 30' W 92 lbs dist marked

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

Land level and rolling

Soil loam and rocky 2nd and

4th 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 1/4 sec cor
marked 1/4 on N face from
which

a pine tree 18 ins diam bears
N 33° W 90 lks dist marked
1/4 S. 34. B.T.

a pine 10 ins diam bears
S 3° 10' E 49 lks dist marked
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 ^{edges} 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.

Sand rough and rolling
Soil Loam and rocky
2nd and 4th rate
Timber Pine.

Heavily limbered sand

North Bely T. 2 & N. R. 3. E.

Chs

80.00 Chs -

N 84° 58' E for 200 2 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 lks
with course S. W.

17.00

Begin gradual ascent

40.00

Set a limestone 16x12x10
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 lks dist marked
1/4 S. 35. B. T.
a pine tree 15 ins diam bears

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

- chs S 45° 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 Bely

BOOK 1361

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

48

Chs

S 51° W 87 lks dist marked

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

a pine ^{tree} 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^d and 4th rate.

Timber pine.

Heavily timbered land 80.00 chs

N 89° 58' E bet Cess 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 | gradual |
| 20.00 | Top of gradual ascent |
| 21.00 | Begin gradual descent. |
| 25.00 | Pass along ground sloping N. |
| 40.00 | Set a limestone 16x10x4
ins 12 ins in the ground for
1/4 sec cor marked 1/4 on
N face from which
a pine tree 30 ins diam
has N17°30'W 136 lks dist
Marked 1/4. 5. 36. B.T. |
| | a pine tree 24 ins diam has
S57°30'W 8 lks dist
Marked 1/4. 5. 1. B.T. |
| 50.00 | Begin ascent |
| ^{53.50.}
50.00 | Top of ascent and descend |
| 57.00 | Foot of descent and cross
dry ravine 250 lks wide
course N 80° W. |
| 59.00 | Begin ascent over |

North Baldy 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 3rd & 4th E.
 Land rolling -
 Soil loam and rocky
 3rd and 4th rate.
 Temper Pine.
 Heavily timbered land 80.00 chs
 Nov 4 1900.
-

51

ERROR of LATITUDE^{9th} DEPARTURE

BDY.	COURSE	DIST.	N.	S.	E.	W.
N.	N89°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			
		Convergence			.52	
			480.273	480.00	479.66	480.00
			480.00			479.66

ERROR of LAT. .273 ERROR of DEP. .52

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 *6/13/1900*

having been critically examined, and the

necessary corrections and explanations made

made, the said field notes, and the sur-

veys they describe, are hereby approved.

George Lhuat

U. S. Surveyor General for Arizona.