

Book XVIII

T. Fitzgerald Deputy Surveyor.

T. *29 E*

R.

G. & S. R. Meridian.

Indexed

FIELD NOTES

BOOK 449

OF

No. 449

THE SUBDIVISION LINES OF

Township *22 N.* Range *29 E.*

G. & S. R. Meridian.

449

BY

W. R. Fitzgerald Deputy Surveyor.

Under his Contract of *July 17th 1882*

Survey Commenced *Dec 14th 1882*

Survey Completed *Dec 16th 1882*

Platted, *Frank*
Copied for Washington,
Copied for Register,

Edward Denny & Co., Stationers & Printers, S. F. Cal.

Copyright Secured,

Entered according to Act of Congress, in the Clerk's Office of the Librarian of Congress at Washington, D. C., in the year 1880.

No. 449

W. R. Fitzgerald Deputy Surveyor.

T. 22 N. R. 29 E

G. & S. R. Meridian.

BOOK 449

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 22 N. Range 29 E

G. & S. R. Meridian.

BY

W. R. Fitzgerald Deputy Surveyor.

Under his Contract of July 17th 1882

Survey Commenced Dec. 14th 1882

Survey Completed Dec 16th 1882

Platted,
Copied for Washington,
Copied for Register,

1A

Index — BOOK 449

Township 22 North, Range 29 East,
Gila and Salt River Basins Meridian.

6	60	5	44	4	33	3	22	2	11	1
59		58		43		32		21		10
7	57	8	42	9	31	10	20	11	9	12
53		55		41		30		19		8
18	54	17	40	16	29	15	18	14	7	13
53		52		39		28		17		6
19	51	20	38	21	27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	26	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

Edward Denny & Co., Stationers & Printers, S. F., Cal.

Copyright Secured.

Entered according to Act of Congress, in the Clerk's Office of the Librarian of Congress
 at Washington, D. C., in the year 1880.

Township.....

Range.....

Meridian.

For preliminary
notes and description
of instrument see
Book No. 1

1
 B Township 22 N. Range 29 E.

Gila and Salt River Meridian.

Chains From the corner to Sections 35, 36, 1 and 2 on the South boundary, I run,
 North, between Sections 35 and 36
 Variation 14° 18' East.

- Present
- 40.00 Set a Post 3 ft long 3 ins diam. 24 ins. in the ground for 1/4 Sec. Cor. marked 1/4 S. on W. face: from which
 a Pine 4 ins. diam. bears N. 38° E. 59 lks. dist marked 1/4 S. P. T.
- 55.60 a Cedar 6 ins. diam. bears S. 63° W. 72 lks. dist. marked 1/4 S. B. T.
 Leave Timber bears N. 80° W. x S. 80° E.
- 80.00 Set a Post 4 ft long 4 ins. sq. 24 ins. in the ground for Cor. to Secs. 25, 26, 35, 36 marked T. 22 N. S. 25 on N.E. R. 29 E. S. 36 on S.E. S. 35 on S.W. x S. 26 on N.W. faces, with 1 notch on S. x E. edges from which
 a Cedar 24 ins. dia. bears N. 55° W. 91 lks. dist. marked T. 22 N. R. 29 E. S. 26 P. T.
 a Cedar 10 ins dia. bears N. 36° E. 47 lks. dist. marked T. 22 N. R. 29 E. S. 25 P. T.
 a Cedar 18 ins. dia. bears S. 61° E. 39 lks. dist. marked T. 22 N. R. 29 E. S. 36 P. T.

Land rolling.
 Soil 3^d rate.
 Timber of Cedar.
 Vegetation Bunchgrass.

Township

22 N.

Range

29 E.

Gila and Salt River

Meridian.

Chains

East, on a random line between Sections 25 and 36.

Variation $14^{\circ} 20'$ East.

Ascend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.81 Intersect E. C. of Sp. 28 lks. North of cor. to ^{recently established} sec.
 30-31-25-36 from which corner, I run
 $N. 89^{\circ} 48' W.$ on a true line bet. sec. 25-36
 Va. $14^{\circ} 20' E$

39.90 Set a post 3 ft. long, 3 in. dia. 24 in. in the
 ground, for $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ S. on N.
 Sec. from which
 A cedar 24 in. dia. bears $N. 18^{\circ} W.$ 62 lks. dist.
 marked $\frac{1}{4}$ S. B. T.
 No other trees within limits: dug pit
 18 x 18 x 12 in. E. and W. of post 5 ft. dist.
 and raised a mound of earth 1 ft. high
 3 ft. base around post.

79.81 The cor. to sec. 25-26-35-36.
 Land rolling.
 Soil sd. rate.
 Timber of cedar.
 Vegetation of Bunchgrass.

Township 22 N

Range 29 E

E. & S. R

Meridian.

Chains

North, between Sections 25 and 26.

Variation $14^{\circ} 20'$ East.

Decend.

- 14.80 Cross Rio Puerco River 70 lbs wide, Course
S. 81° W. and ascend.
- 18.96 Atlantic & Pacific Rail Road tress
N. 81° E & S. 81° W
- 19.56 Telegraph Line tress N. 81° E & S. 81° W
- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked
stone, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor.,
marked $\frac{1}{4}$ S on N. face. dug pits
18 x 18 x 12 ins. N. and S. of post 5 $\frac{1}{2}$ ft. dist.
and raised a mound of earth $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base around post.
- 45.00 Top of Spur tress N. 20° E & S. 20° W. & descend.
- 47.00 Cross Defiance Creek 400 lbs wide, Course
S. 20° W. & ascend.
- 80.00 Set a post 4 ft. long 4 ins. sq., with marked
stone 12 ins. in the ground for cor. to Sec.
23-24-25-26 marked S. 22 N. & 24 on N. E
R. 29 E & 25 on S. E & 26 on S. W. & 23 on
N. W. face, with 2 notches on S. and 1
notch on E. edge. dug pits 18 x 18 x 12 ins. in each
Sec. 5 ft. dist. and raised a mound of earth
 $\frac{1}{2}$ ft. high 4 $\frac{1}{2}$ ft. base around post
Sand rolling 9. soil 3d. galv. Timber of Cedar.
Vegetation of bunchgrass.

Township 22 N.

Range 29 E

No. 449

S. & S. R.

Meridian.

Chains

East, on a random line between Sections 24 and 25.

Variation $14^{\circ} 20'$ East.

Accord

- 15.00 Ely of Spur base N. & S. and decreed.
- 19.00 Base Defiance Creek 12.5 lks. wide, Course South & accord.
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 80.33 Intersect E. & W. of R. 29 lks. South of cor. to sec. 24-25-19-30 from which corner, ^{recently established by me} Run N. $89^{\circ} 48' W.$ on a true line bet. sec. 24-25.

Var. $14^{\circ} 20' E$

- 40.17 Set a post, 3 ft. long 3 in. dia. with marked nails $\frac{1}{2}$ in. in the ground for $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ S. on N. face, dug pits 18x18x12 in. E and W. of post 5 $\frac{1}{2}$ ft. dist and raised a mound of earth $\frac{1}{2}$ ft. high 3 ft. base around post.
- 80.33 The cor. to sec. 23-24-25-26.
 Land rolling.
 Soil 3d. rate.
 Timber of Cedar.
 Vegetation of Bunchgrass.

G. & S. Co.

Meridian.

Chains

North, between Sections 23 and 24.

Variation $14^{\circ}20'$ East.

Ascend.

4.00 Enter Timber bears N. E. & S. W.

4.0.00 Set a post 3 ft. long 3 in. dia. 24 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on W. face: from whichA Cedar 18 in. dia. bears N. 44° W. 8 1/2 lbs. dist. marked $\frac{1}{4}$ S. R. T.A Cedar 16 in. dia. bears S. 67° E. 10 1/2 lbs. dist. marked $\frac{1}{4}$ S. R. T.

68.00 Top of Ridge bears E. & W. & descend.

80.00 Set a sand stair 18 x 18 x 6 in. 12 in. in the ground, for cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch on E. edges: from which

A Cedar 10 in. dia. bears S. W. 25 1/2 lbs. dist. marked T. 23 N. R. 29 E. S. 23 B. T.

No other trees within limits: raised a mound of stairs alongside.

Land rolling

Soil 3d. raly.

Timber of Cedar & Pine.

Vegetation of bunch grass.

Township 22 N. Range 29 E

S. J. R.

Meridian.

Chains

East, on a random line between Sections 13 and 24.

Variation 14° 20' East.

Ascend.

- 70 Cross Cutch 6 lks. wide, Course S. E.
- 10.00 Set temporary $\frac{1}{4}$ sec. cor.
- 58.00 Cross Defiance Creek 100 lks. wide,
Course S. W. & ascend.
- 30.16 Intersect C. B. of Sec. 47 lks. North of
cor. to sec. ^{as center established by sec.} 13-14-23-24 from which
comes, I run N. 89° 4' W. on a true
line bet. sec. 13-24.
- 10.08 Set a post 3 ft. long, 3 in. dia. with
marked plain lines in the ground,
for $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ S. on N. face,
dig pits 18 x 18 x 12 in. East & W. of
post 3 ft. dia. and raised a
mound of earth 1 ft. high, 3 ft. base
around post.
- 30.16 The cor. to sec. 13-14-23-24.
Land rolling.
Soil 3d. rate.
Timber of Cedar & Pine.
Vegetation of Bunchgrass.

Township 23 N

Range 29 E

G. & S. B.

Meridian.

Chains

North, between Sections 13 and 14.

Variation $14^{\circ} 20'$ East.

Descend.

- 60 Cross Gulch 6 lks. wide, Course S. E and ascend.
- 24.00 Top of Spur bears N. $55^{\circ} W$ & S. $55^{\circ} E$ & descend.
- 40.00 Set a sand stone $12 \times 12 \times 5$ ins. Pms. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. N. & S. of stone 5 ft. dist. and raised a mound of earth 1 ft. high, 3 ft. base alongside.
- 64.40 Cross Gulch 7 lks. wide Course S. E & ascend.
- 80.00 Set a sand stone $12 \times 10 \times 5$ ins. Pms. in the ground for Cor. to Secs. 11-12-13-14, marked with 4 notches on S and 1 notch on E edges: dug pits $18 \times 18 \times 12$ ins. in each Sec. 5 ft. dist. and raised a mound of earth 2 ft. high, 4 ft. base alongside.
- Land rolling.
- Soil S. d. path.
- Timber of Cedar.
- Vegetation of Bunchgrass

Township 32 N. Range 29 E
 G. & S. W. Meridian.

Chains East, on a random line between Sections 12 and 13.
 Variation 14° 20' East.

Descend.
 40.00 Set temporary 1/4 sec. cor.
 65.80 Cross Dykianch Creek Polke. wide, Course
 South & ascend.
 79.90 Intersect E. B. of Sec. 14 lke. South of cor.
 to recel. 12-13-^{recently established by run} 7-11 & from which course,
 I run S. 89° 54' W. on a true line
 bet. recel. 12-13.

Var. 14° 20' E

39.95 Set a sand stone 18x18x10 in. 12 in. in
 the ground, for 1/4 sec. cor, marked 1/4 on
 N. face and paved a mound of stone
 aligoids. Cuto impracticable.

79.90 The cor. to recel. 11-12-13-14.
 Land rolling.
 Soil sd. nato
 Timber of Cedar & Pine.
 Vegetation Couch grass.

Township 22 N.

BOOK 449

Range 29 E

G. S. R.

Meridian.

Chains

North, between Sections 11 and 12.

Variation $14^{\circ}20'$ East.

Ascend.

- 25.60 Top of Spur brass E. N. and descend.
- 40.00 Set a sand stone 18, 12, 16 ins. 12 ins in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, and raised a mound of stone alongside
- 62.00 Creek Gulch 8 lbs. wide, Corner S. 5 E. ascend
- 80.00 Set a sand stone 24, 14, 16 ins. 18 ins in the ground, for Cor. to Sec. 1-2-11-12 marked with 5 notches on S. and 1 notch on E edge, dug pits 18, 18, 12 ins. in each Sec. 5 ft. deep, and raised a mound of earth 2 ft. high. 4 ft. base alongside.
- Land rolling
 Soil sd. salt.
 Timber of Cedar
 Vegetation of Couchgrass

Township 32 N.

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 1 and 12.

Variation 14° 20'

East.

Record.

40.0 Set temporary 1/4 sec. cor.

79.69 Intersect C.C. of Tl. & P. lke. South of cor. to
^{recently established by survey}
 sec. 6-7-1-12 from which course I
 run S. 89° 57' W. on a true line bet.
 sec. 1-12.

Var. 14° 20' E

39.85 Set a post 3 ft. long 3 in. dia. with marked
 stars 12 in. in the ground, for 1/4 Sec. Cor.,
 marked 1/4 S. on N. face, dug pits
 18 x 18 x 12 in. E. and W. of post 5 ft.
 dia. and paved a mound of earth
 1/2 ft. high, 3 ft. dia. around post.

79.69 The cor. to sec. 1-2-11-12.

Land rolling.

Soil ad. ralt.

Timber of Cedar.

Vegetation of Cunchgrass.

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

North, on a random line between Sections 1 and 2.

Variation $14^{\circ} 20'$ East.

Records:

5.50 Top of Spur base S. 85° E & N. 85° W. & descend40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.17 Intersect A. of Sp. 19 lbs. E of cor. to sec. 1-2-35-36

which is a sand stone $18 \times 16 \times 6$ in. 12 in.
in the ground marked with 1 notch on E
and 5 notches on W. edges and with a
mound of stone alongside. From which cor.
From S. E. corner this $\frac{1}{4}$ sec. 1-2.
W. $14^{\circ} 20'$ E.

40.17 Set a sand stone $18 \times 14 \times 12$ in. in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face,
dug hole $18 \times 18 \times 12$ in. N and S. of stone
5 ft. dist. and raised a mound of earth
1 ft. high, 3 ft. base alongside.

80.17 The cor. to sec. 1-2-11-12.

Sand rolling

and rats.

Timber of cedar & Pine.

Vegetation of bunchgrasses

I carefully examined the adjust-
ments of my compass to-day
and found them correct.

W. W. Fitzgerald Dec. 14-1882

Township 22 N.

Range 29 E.

G. & S. R.

Meridian.

From the cor. to sec. 2, 3, 34 and 35 on E. boundary of 8 P., recently established by me, 3 min North, between Sections 34 and 35.

Chains

Variation 14° 18' East.

Decend in timber.

34.30 Cross Gulch 100 ft. wide, corner N. W. & accred.

40.00 Set a post 3 ft. long 3 ins. dia. 13 ins. in the ground for cor. marked 1/4 S. on N. face, dug pits 18x18x12 ins N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 ft. base around post.

49.10 Square timber brace E. & W.

Top of Spur brace N. 80° W. & S 80° E & descend.

80.00 Set a sand stone 12x12x10 ins. 8 ins. in the ground, for cor. to Secs. 26-27-34-35, marked with 1 notch on S. and 3 notches on E. edges. dug pits 18x18x12 ins. in each, cor., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 ft. base around.

Sand rolling.

Set 3d. pat.

Timber of Cedar.

Vegetation of bunchgrass.

Township 22 N

Range 29 E

G. J. O.

Meridian.

Chains

East, on a random line between Sections 26 and 35.

Variation $14^{\circ} 20'$ East,

Ascend in timber.

- 30.10 Top of Spur bears N. & S. & descend.
- 40.00 Temporary $\frac{1}{4}$ sec. cor.: heavy timber bears N. & S.
- 42.25 Bennetts Store and Dwelling.
- 45.00 Atlantic & Pacific R. R. pump bears N. $11^{\circ} 56'$ dist.
- 45.00 Atlantic & Pacific R. R. well bears N. $10^{\circ} 11'$ 42 ..
- 45.00 Atlantic & Pacific R. R. tank bears N. $10^{\circ} 13'$ 28 ..
- 45.00 Mill bears N. $49\frac{1}{2}^{\circ}$ E 12 lbs. dist.
- 45.00 Corral bears S. $34\frac{1}{2}^{\circ}$ E 178 lbs. dist.
- 45.00 Larivine Salmon bears S. $15^{\circ} 11'$ 63 dist.
- 45.00 Bennetts Barn bears S. $47\frac{1}{2}^{\circ}$ N. 2.00 dist.
- 45.63 Cross Road bears N. 50° N. & S. 50° E.
- 47.52 Cross Road bears N. 80° E & S. 80° W.
- 47.80 Cross Cutch 8 lbs. wide, Course N. 10° E & ascend.
- 49.83 Top of Spur bears N. 10° E & S. 10° W. & descend.
- 54.50 Cross Road bears N. 80° W. & S. 80° E
- 79.90 Intersect N. & S. line 21 lbs. South of cor. to sec. 25-26-35-36 from which course, Dubois S. $89^{\circ} 51'$ N. on a true line bet. sec. 26-35. Var. $14^{\circ} 20'$ E
- 39.95 Hit a sand stone 24, 18, 6 ins. 18 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside
- 79.90 Rio impracticable.
The cor. to sec. 26-27-34-35.
Ground rolling. Soil 3d. rats.
Timber of Cedar & Pine
Undergrowth of bunch grass.

Township 22 N Range 29 E
 G. & S. R. Meridian.

Chains North, between Sections 26 and 27.
 Variation 14° 20' East.

- Descend
 90 Cross Road bare N. 80° E. S. 80° W.
 6.59 Atlantic & Pacific R. W. bare N. 81° E. S. 81° W.
 7.65 Telegraph line bare N. 81° E. S. 81° W.
 2980 Cross Rio Purro River Course West "ascend"
 40.00 Set a sand stone 24 x 10 x 5 ins. 18 ins. in the
 ground for 1/2 Sec. Cor. marked 1/4 on N.
 face and raised a mound of stone
 alongside. Pitts impracticable.
 73.70 Top of Spur bare N. E. & S. W. descend
 and into timber bare N. W. & S. E.
 80.00 Set a sand stone 18, 14, 8 ins. 13 ins. in
 the ground for Cor. to Sects 22-23-26-27
 marked with 2 notches on S. & E. edges,
 from which
 a Pine 12 ins. dia. bare N. E. 398 lbs. dist.
 marked T. 23 N. E. 29, S. E. 23 S. E.
 No other trees within limits: raised a
 mound of stone alongside.
 Pitts impracticable
 Log rolling.
 Soil 3d. rate.
 Timber of Cedar & Pine.
 Vegetation of Couch grass.

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 23 and 26.

Variation $14^{\circ} 20'$ East.

Decomposed timber.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

69.80 Draw timber line N. & S.

79.68 Intersect N. & S. line 32 lks. South of
cor. to sec. 23-24-25-26 from which
corner I run S. $89^{\circ} 40'$ W. on a true
line bet. sec. 23-26.Va. $14^{\circ} 20'$ E39.84 Set a sand stone 18, 12, 6 ins. 12 ins. in
the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
N. face, and piled a mound of stone
along side. Pile impracticable.

79.68 The cor. to sec. 23-24-25-26-27.

Land rolling.

Soil 3d. rate.

Timber of Cedar + Pine.

Vegetation of Bunchgrass.

Township 22 N Range 29 E
G. S. R. Meridian.

Chains North, between Sections 22 and 23.

Variation $14^{\circ} 20'$ East.

Decend.

- 10.00 Cross Gulch 10 lbs. wide Course $S. 20^{\circ} W.$ ascend
- 23.30 Top of Spur bare $N. W. \& S. E.$ descend.
- 39.10 Cross Gulch 5 lbs. wide, Course $S. 20^{\circ} E.$ & ascend.
- 40.00 Set a sand stone 24 x 20 x 6 in. 18 in. in the ground for $\frac{1}{4}$ Sec. Cr., marked $\frac{1}{4}$ on N. face dug pits 18 x 18 x 12 in. N. and S. of stone 5 ft. deep, and raised a mound of earth 1 1/2 ft. high, 3 ft. base alongside.
- 80.00 Set a post 4 ft. long, 4 in. sq., 24 in. in the ground, for Cr. to Secs. 14-15-22-23, marked T. 22 N. S. 14 on N. E. R. 29 E. S. 23 on S. E., S. 22 on S. W. and S. 15 on N. W. face, with 3 notches on S. and 2 notches on E. edge: from which
 A Pin 10 in. dia. bare $N. 72^{\circ} E. 197$ lbs. dist. marked T. 22 N. R. 29 E. S. 14 B. L.
 A Pin 4 in. dia. bare $S. 24^{\circ} W. 300$ lbs. dist. marked T. 22 N. R. 29 E. S. 22 B. L.
 No other trees within limits: raised a mound of stone 1 1/2 ft. high 3 ft. base around post. Pits impracticable
 Land mountainous, Soil 3d. rate.
 Timber of Cedar & Pine
 Vegetation of Bunchgrass.

Township 22 N

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 14 and 23.

Variation $14^{\circ} 20'$ East.*Decend in timber*

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 55.00 Cross Gulch 6 lks. wide Course S. E. & ascend.
- 63.70 Top of Spur Pass N. W. & S. E. & descend.
- 79.84 Intersect N. & S. lines 13 lks. North of cor. to sec.
13-14-23-24 from which course I run
 $N. 89^{\circ} 54' W.$ on a true line bet. sec. 14-23.
Ta. $14^{\circ} 20' E.$
- 39.92 Set a sand stone $18 \times 14 \times 6$ ins. 12 ins. in
the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
N. face, and raised a mound of stone.
This impracticable.
- 79.84 The cor. to sec. 14-15-22-23.
Land rolling.
Soil ex. red.
Timber of Cedar & Pine.
Vegetation of Bunchgrass.

Township 22 N. Range 29 E

G. & S. R.

Meridian.

24

Chains North, between Sections 14 and 15.

Variation $14^{\circ} 20'$ East.

Agenda.

40.00 Set a post 3 ft. long 3 in. dia. 24 in. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face: from which

A Cedar 8 in. dia. bears N. 87° W. 217 lbs. dist. marked $\frac{1}{4}$ S. O. L.

To other trees within limits: dug pits 18 x 18 x 12 in. N. & S. of post 5 $\frac{1}{2}$ ft. dia. and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 5 ft. face around post.

80.00 Set a post 4 ft. long 4 in. sq. 12 in. in the ground, for Cor. to Secs. 10-11-14-15 marked $\frac{1}{2}$ S. on N. E. R. 29 E.

S. 14 on S. E., S. 15 on S. W. and S. 10 on N. W. faces, with 4 notches on S. and 2 notches on E. edges: dug pits

18 x 18 x 12 in. in each Sec, 5 ft. dia. and raised a mound of earth 2 ft. high, 4 ft. face around post.

Land rolling.

Soil 2d. ratp.

Timber of Cedar & Pine.

Vegetation of Bunchgrass.

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 11 and 14.

Variation 14° 20' East.

Descend

7.00 Cross Gulch 10 lks. wide, Course South and
ascend.

0.50 Top of Spur bears N. W. + S. E.

0.00 Set Temporary 1/4 sec. cor.

0.29 Intersect St. 9 Line, 24 lks. north of cor.
to sec. 11-12-13-14 from which corner
Spur N. 89° 50' W. on a true line
bet. sec. 11-14.

Cor. 14° 20' E

0.15 Set a post 3/4 lb. bag zinc dia. with marked
stake 13 ins. in the ground for 1/4 Sec. cor.
marked 1/4 S. on N. Side: dug pits
18 x 18 x 12 ins. E and W of post 5 ft. dist.
and raised a mound of earth 1/2 ft. high,
3/4 lb. bag around post.

0.29 The cor. to sec. 10-11-14-15.

Land mountainous

Soil 3d. rate

Timber of Cedar & Pine

Vegetation of Couchgrass.

G. & S. R.

Meridian.

Chains North, between Sections 10 and 11.

Variation $14^{\circ} 20'$ East.

Record.

0.00 Set a post 3 ft. long, 3 ins. dia. with marked staves 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face, dug pits, 18 x 18 x 12 ins. N. and S. of post 5 $\frac{1}{2}$ ft. dia. and raised a mound of earth 1 ft. high, 3 ft. base around post.

5.00 Top of Spur bars N. 55° W. & S. 55° E. and descend.

10.00 Set a post 4 ft. long, 4 ins. sq., 24 ins. in the ground for Cor. to Secs. 2-3-10-11 marked T. 22 N. S. 2 on N. E. R. 29 E. S. 11 on S. E. S. 10 on S. W. and S. 3 on N. W. face, with 5 notches on S. and 2 notches on E. edge from which a cedar 10 ins. dia. bore S. 57° E. 109 lbs. dia. marked T. 22 N. R. 29 E. S. 11 B. T.

No other trees within limits: dug pits 18 x 18 x 12 ins. in each Sec, 5 $\frac{1}{2}$ ft. dia. and raised a mound of earth 1 ft. high, 3 ft. base around post.

Land mountainous. Soil red. rats.
Timber of Cedars. Vegetation of bunchgrass.

Township 22 N.

BOOK 449

Range 29 E.

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 2 and 11.

Variation $14^{\circ} 20'$

East.

Decend.

9.60 Cross Dry Wash 10 lks. wide, Course S. 50° E.
and Decend.

34.40 Top of Spur bars N. 70° W. S. 70° E. & decend

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.41 Intersect E. & S. lines 12 lks. South of cor. to
secs. 1-2-11-12 from which corner, I run
S. $89^{\circ} 55'$ W. on a true line bet. secs. 2-11.

Var. $14^{\circ} 20'$ E

40.20 Set a sand stone $18 \times 10 \times 6$ ins. 12 ins. in the
ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N
face, dig pits $18, 18, 12$ ins. E. and W
of stone's S. E. dist. and raised a mound
of earth 1 ft. high, 3 ft. base along side.

80.41 The cor. to sec. 2-3-10-11.

Land mountainous.

Soil 3d. rats.

Timber of Cedar.

Vegetation of Bunchgrass.

Township 22 N. Range 29 E

G. & S. B. Meridian.

Chains

North, on a random line between Sections 2 and 3.

Variation 14° 30' East.

Descend.

20.00 Cross Culch 5 lks. wide, Corner S. 60° E. & ascend.

40.00 Set temporary 1/4 sec. cor.

80.37 Intersect NW. of pp. 25 lks. West of cor. to race
 23.34-35 which is a post 4 ft. long 4 in. sq. 24
 ins. in the ground, marked E. 23 N. S. 35 on N. E.
 R. 29 E. S. 2 on S. E. T. 22 N. S. 3 on S. W. and S. 34 on
 N. W. face with white on E. and 4 patches on W.
 edge. from which

A cedar 18 ins. dia. bare N. 47° W. 57 lks. dist.
 marked T. 23 N. R. 29 E. S. 35 B. T.

A cedar 16 ins. dia. bare N. 16° E. 35 lks. dist.
 marked T. 23 N. R. 29 E. S. 36 B. T.

A cedar 20 ins. dia. bare S. 55° E. 98 lks. dist.
 marked T. 21 N. R. 29 E. S. 2 B. T.

Another tree within limits with pits 18 x 18 x 12 ins. in
 Sec. 3, T. 27 N. R. 29 E. & with a mound of earth

2 ft. high 4 ft. base around post from which
 40.37 Set a post 4 ft. long 3 ins. dia. with marked stave
 12 ins. in the ground, for 1/4 sec. cor. marked

1/4 on W. face, dug pits 18 x 18 x 12 ins. N. & S. of post
 5 ft. dist. & raised a mound of earth 1 1/2 ft. high,
 2 ft. base around post.

80.37 The cor. is elev. 2-13-10-11 Land mountainous.
 Sub 3d. rate. Timber of cedar.
 Vegetation of bunchgrass.

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

From the cor. to sec. 3, 4, 23 and 24 on S. boundary of Twp,
recently established by me, 3 mi
North, between Sections 33 and 34.

Variation

14° 18'

East.

Decrind.

31.57 Cross Road bears N. E. & S. W.

40.00 Got a sand stone 12x12x4 ins. Pine in the
ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
face, dug pits 18, 18, 12 ins. N. & S. of
stone 5 ft. dist. and raised a mound
of earth $\frac{1}{2}$ ft. high, 3 ft. base alongside.

80.00 Got a sand stone 20x10x5 ins. 18 ins. in
the ground, for Cor. to Secs. 27-28-29-34
marked with 1 notch on S. and 3
notches on E. edges, and raised a
mound of stone alongside.

Pits impracticable

Land rolling

Soil 3d rate

Timber of Cedar & Pine.

Vegetation of bunchgrass.

I carefully examined the adjust-
ments of my compass 15 days
and found them correct.
S. C. Gapp Compassman

Dec. 14-1892

Township 22 N.

Range 29 E.

G. S. R.

Meridian.

Chains

East, on a random line between Sections 27 and 34.

Variation $14^{\circ} 20'$ East.

Descend in timber.

30.00 Leave timber bars N. 20° W. & S. 20° E34.50 Cross Rio Puerco River 100 lbs. wide
Course N. 80° W.40.00 Set temporary $\frac{1}{4}$ sec. cor.51.00 Cross Rio Puerco River 100 lbs. wide
Course S. W.

79.20 Cross Road bars N. E. & S. W.

80.16 Intersect N. & S. line 47 lbs. South of
cor. to secs. 26-27-34-35 from which
course I run N. $89^{\circ} 40'$ W. on a
true line bet. secs. 27-34.
Ta. $14^{\circ} 20'$ E40.08 Set a sand stone $18 \times 12 \times 5$ ins. 12 ins
in the ground for $\frac{1}{4}$ Sec. Cor. marked
 $\frac{1}{4}$ on N. face and paved a mound
of stone along side. Pits impracticable.

80.16 The cor. to secs. 27-28-33-34.

Sand rolling.

Soil 2d. salt.

Timber of Cedar.

Vegetation of Bunchgrass.

25 Township 23 N.

Range 29 E.

G. & S. R.

Meridian.

Chains North, between Sections 27 and 28.

Variation $14^{\circ}20'$ East.

Ascend.

9.50 Cross Rio Puerco River 50 lbs. wide
Course S. W. & ascend.11.20 Atlantic & Pacific Rail Road bears
N. $57^{\circ}9'$ E. S. $41^{\circ}9'$ W.12.90 Telegraph Line bears N. $57^{\circ}9'$ E. S. $57^{\circ}9'$ W.18.00 Top of Spur bears S. 30° E. S. 30° W. & descend.

23.90 Cross Cañon 20 lbs. wide, Course S. W. & ascend

40.00 Set a post 3 ft. long 3 in. dia. with marked
stone 12 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ S. on W. face dug pits
 $18 \times 18 \times 12$ in. N. & S. of post 5 ft. dist.
and raised a mound of earth 1 ft.
high, 3 ft. base around post.80.00 Set a post 4 ft. long 4 in. sq. with
marked stone 12 ins. in the ground
for cor. to Sec. 21-22-27-28 marked
T. 22 N. S. 22 on N. E. R. 29 E. S. 27 on S. E.
S. 28 on S. W. & S. 21 on N. W. face, with
2 notches on S. and 3 notches on E edge
dug pits $18 \times 18 \times 12$ in. in each Sec. 5 ft. dist.
& raised a mound of earth 2 ft. high 4 ft. base
around post. Land rolling. Soil 30% rate.
Timber of Cedar. Vegetation of Bunchgrass.

Township 22 N.

Range 29 E

G. & S. A.

Meridian.

Chains

East, on a random line between Sections 22 and 27.

Variation $14^{\circ} 20'$ East.

Descend.

22.00 Cross Gulch 30 lbs. wide, Curves S. 20° E. ascend.40.00 Set temporary $\frac{1}{4}$ sec. cor.: descend.73.17 Cross Gulch 18 lbs. wide, Curves S. W & ascend.79.97 Intersect N. & S. lines 24 lbs. North of cor.
to secs. 22-23-26-27, from which corners,
I run N. $89^{\circ} 50'$ W on a true line bet.
secs. 22-27.Va. $14^{\circ} 20'$ E39.99 Set a sand stone $12 \times 10 \times 8$ ins. Pine in
the ground, for $\frac{1}{4}$ sec. cor, marked
 $\frac{1}{4}$ in N. face, dug pits $18 \times 18 \times 12$ ins.
E & W. of stone 5 ft. dist. and placed a
mound of earth $1\frac{1}{2}$ ft. high, 3 ft. base
along side.

79.97 The cor. to secs. 21-22-27-28.

Land rolling.

Soil 3d. pat.

Timber of Cedars

Vegetation of Bunchgrass.

Township 22 N.

Range 29 E.

G. & S. R.

Meridian.

Chains

North, between Sections 21 and 22.

Variation $14^{\circ} 20'$ East.

Ascend.

3.50 Top of Spur bare N. 50° W. & S. 50° E. & descend.6.40 Cross Gulch 20 lbs. wide, Corner S. 50° E and ascend.0.00 Set a sand stone $20 \times 12 \times 6$ ins. 15 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. & S. of stone 5 ft. dist. and raised a mound of earth 1 ft. high, 3 ft. base around.80.00 Set a post 4 ft. long, 4 ins. sq. with marked staves 12 ins. in the ground for cor. to Secs. 15-16-21-22, marked T. 22 N. S. 15 on N. E, R. 29 E. S. 22 on S. E. S. 21 on S. W. and S. 16 on N. W. faces with 3 notches on S. and E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec, 5 ft. dist. and raised a mound of earth 2 ft. high, 4 ft. base around post.

Land rolling. Soil sd. rate.

Timber of Cedar.

Vegetation of Couchgrass.

Township 22 N.

Range 29 E.

28

G. Y. S. B.

Meridian.

Chains

East, on a random line between Sections 15 and 22.

Variation $14^{\circ} 20'$ East.

Ascend.

7.00 Top of Spur bars N. 20° E. $\&$ S. 20° W. $\&$ descend.40.00 Set temporary $\frac{1}{4}$ sec. cor.40.50 Cross Dry Wash 5 lbs. wide Course
South and ascend.60.00 Top of Ridge bars N. $\&$ S. $\&$ descend.79.83 Intersect N. $\&$ S. line 18 lbs. North of
cor. to sec. 14-15-21-22 from which
corner, I run N. $89^{\circ} 57'$ W. on a true
line bet. sec. 15-22.Va. $14^{\circ} 20'$ E39.91 Set a sand stone $24 \times 18 \times 4$ ins. 18 lbs.
in the ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. face and
raised a mound of stone along-
side. Pits impracticable.

79.83 The cor. to sec. 15-16-21-22.

Land rolling.

Soil 3d. ratot

Timber of cedar $\&$ Pine.

Vegetation of Bunchgrass.

Township 22 N.

Range 29 E

G. S. R.

Meridian.

Chains

North, between Sections 15 and 16.

Variation

14° 20'

East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. dia. 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face. From which a $\frac{1}{4}$ in. dia. brass N. 56° E 37 lks. dist. marked $\frac{1}{4}$ S. C. T.

No other tree within limits: dug pits 18 x 18 x 12 ins. N. and S. of post, 5 ft. dist., and raised a mound of earth $\frac{1}{2}$ ft. high, 3 ft. base around post.

80.00 Set a post 4 ft. long, 4 ins. sq., 24 ins. in the ground, for Cor. to Secs. 9-10-15-16, marked T. 22 N. S. 10 on N. E. R. 29 E. S. 15 on S. E. S. 16 on S. W. and S. 9 on N. W. faces, with 4 notches on S. and 3 notches on E. edge: from which a cedar 14 ins. dia. brass N. 10° W. 77 lks. dist. marked T. 22 N. R. 29 E. S. 9 B. T.
 A cedar 10 ins. dia. brass S. 59° E 13 lks. dist. marked T. 22 N. R. 29 E. S. 15 B. T.
 A cedar 10 ins. dia. brass N. 84° E 16 lks. dist. marked T. 22 N. R. 29 E. S. 10 B. T.

Land rolling. Soil sd. rats.

Timber of Cedar & Pine. Vegetation of
 bunchgrass.

Township 22 N. Range 29 E.

G. & S. R. Meridian.

Chains East, on a random line between Sections 10 and 15.
Variation $14^{\circ} 20'$ East.

Accord.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 40.11 Intersect N. & S. line 15 lks. South of
 cor. to sec. 10-11-14-15 from which
 corner I run $S 89^{\circ} 54' W$ on a true
 line bet. sec. 10-15. $Ta. 14^{\circ} 20' E.$
- 40.05 Set a post 3 ft. long 3 in. dia. with
 marked stand 12 in. in the ground,
 for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on N.
 face, dug pits 18 x 18 x 12 in. E & W
 of post 5 ft. dist. and raised a
 mound of earth $\frac{1}{2}$ ft. high, 3 ft.
 base around post.
- 40.11 The cor. to sec. 9-10-15-16.
 Land rolling.
 Soil 3d. soft.
 Timber of Cedar.
 Vegetation of Bunchgrass.

Township 22 N.

Range 29 E

G & S R

Meridian.

Chains

North, between Sections 9 and 10.

Variation $14^{\circ} 20'$ East.

Ascend.

0.00 Set a post 3 ft. long 3 ins. dia. with
marked chains $1/2$ in. in the ground
for $1/4$ Sec. Cor., marked $1/4$ S. on W. face,
dug pits 18, 18, 12 ins. N. and S. of post,
5 ft. dia. and raised a mound of
earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.

56.00 Top of Ridge, bears S. 20° W. & N. 20° E and
descend

70.00 Low Depression bears N. 20° E & S. 20° W.
and ascend

80.00 Set a post 4 ft. long, 4 ins. sq. with
marked chains $1/2$ in. in the ground
for Cor. to Secs. 3-4-9-10 marked
T. 22 N. S. 3 on N. E, R. 29 E S. 14 on S. E,
S. 9 on S. W. and S. 4 on N. W. faces,
with 5 notches on S. and 3 notches on
E edges, dug pits 18, 18, 12 ins. in each
Sec. 5 ft. dia. and raised a mound
of earth 2 ft. high, 4 ft. base
around post.

Land rolling. Soil 3d. ratv.

Timber of Cedar.

Vegetation of Bunch grass.

Township 22 N.

Range 29 E.

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 3 and 10.

Variation $14^{\circ}20'$

East.

Descend.

8.00 Low Depression brass N. 20° E. S. 20° W.
and ascend.15.00 Top of Spur brass S. 20° W. & N. 20° E. &
descend.40.00 Set temporary $\frac{1}{4}$ sec. cor.79.76 Intersect M. S. line 26 lbs. North of
cor. to secs. 3-3-10-11 from which
corner, I run N. $89^{\circ}49'$ W. on a true
line bet. secs. 3-10.Va. $14^{\circ}20'$ E.39.88 Set a post 3 ft. long 3 in. dia. with marked
stone 12 in. in the ground for $\frac{1}{4}$ Sec. Cor.,
marked $\frac{1}{4}$ S. on N. face dig pits
 $18 \times 18 \times 12$ in. E. & W. of post 3 ft. dist.
and raised a mound of earth 1 ft.
high, 3 ft. base around post.

79.76 The cor. to secs. 3-4-9-10.

Land rolling.

Soil 3d. rate.

Timber of Cedar & Pine.

Vegetation of bunch grass.

33 Township 22 N.

Range 29 E.

G. S. R.

Meridian.

Chains

North, on a random line between Sections 3 and 4.

Variation $14^{\circ} 20'$

East.

Ascend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.87 Intersect N. C. of Tp. 13 lks. East of cor. to
 sec. 3-4-83-84 which is a post 4 ft. long,
 4 ins. sq, with marked stone 12 ins. in the
 ground, marked T. 23 N. S. 34 on N. E, R. 29 E
 S. 3 on S. E, T. 22 N. S. 4 on S. E, S. 33 on N. W.
 face, with 3 notches on E and W. edges: with
 pile 18 x 18 x 12 ins. in each Sec. 5 ft. dist. and
 with a mound of earth 2 ft. high, 4 ft.
 base ^{recently established by me} around post, from which corner, I
 run S. 6 E on a true line bet. sec. 3-4.

Va. $14^{\circ} 20' E$

39.87 Set a post 3 ft. long 3 ins. dia. 24 ins. in the
 ground, for $\frac{1}{4}$ Sec. cor, marked $\frac{1}{4}$ S. on W.
 face: from which

A Cedar 16 ins. dia. bears N. $47^{\circ} E$ 59 lks. dist.
 marked $\frac{1}{4}$ S. C. L

A Cedar 18 ins. dia. bears S. $76^{\circ} W$ 100 lks. dist.
 marked $\frac{1}{4}$ S. C. L

79.87 The cor. to sec. 3-4-9-10.

Land rolling. Soil sd. pat.

Timber of Cedar.

Vegetation of Bunch grass.

Township

22 N.

Range

29 E

G. & S. R.

Meridian.

Chains

From the cor. to sec. 4, 5, 32, ^{and 33}, on S. boundary of T. P.,
recently established by me, 3 miles
North, between Sections 32 and 33.

Variation

14° 18'

East.

Account.

- 40.00 Set a post 3 ft. long 3 ins. dia. with
marked plain 12 ins. in the ground
for 1/4 Sec. Cor. marked 1/4 S. on W. face
dug pits 18 x 18 x 12 ins N. & S. of post 5 ft.
dial. and raised a mound of earth
1 1/2 ft. high 3 ft. base around post.
- 68.00 Top of Bridge bears E & W. & decend.
- 80.00 Set a sand stone 14 x 12 x 8 ins. 9 ins. in
the ground for Cor. to Sec. 38-39-32-33
marked with 1 notch on S. and 4
notches on E. edge, dug pits 18 x 18 x 12 ins.
in each Sec. 5 ft. dial. and raised a
mound of earth 2 ft. high 4 ft. base
around it.

Land mountainous.

Soil 3d. paty.

Timber of Cedar.

Vegetation of Bunchgrass.

Examined my instrument to-day
& found it correct.

W. R. Fitzgerald Dec. 15-1882

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 28 and 33.

Variation $14^{\circ}20'$ East.

Descend.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 A Stone Guard brace South- 23.00 dist.
 A Boarding House brace S. $10^{\circ}W$. 26.48 dist.
- 40.50 Top of Spur brace N. E. & S. W. & descend
- 45.00 Cross Cañon 300 lbs. wide, brace
 $S. 20^{\circ}E$ & ascend.
- 68.16 Telegraph Line brace N. $41^{\circ}50'E$ & S. $41^{\circ}50'W$.
- 70.70 Atlantic & Pacific Rail Road brace
 N. $41^{\circ}50'E$ & S. $41^{\circ}50'W$.
- 71.50 Cross Rio Puerco River 50 lbs. wide, brace
 $S. 50^{\circ}W$.
- 80.23 Intersect A. & S. line 42 lbs. South of cor. to sec.
 27-28-33-34 from which corner, I run
 $S. 89^{\circ}42'W$ in a true line, bet. secs. 28-33.
 Va. $14^{\circ}20'E$
- 41.13 Set a sand stone $18 \times 16 \times 6$ ins. 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor., marked 4 on N.
 face and raised a mound of stone
 alongside. Pile impracticable.
- 80.23 Other cor. to secs. 28-29-32-33.
 Land rolling, Soil 3d. rate.
 Timber of Cedar.
 Vegetation of bunchgrass.

Township 22 N. Range 29 E
S. & S. R. Meridian.

Chains

North, between Sections 28 and 29.

Variation $14^{\circ} 20'$ East.

Decend.

30.00 Cross Cañon 200 lks. wide, Course S. 35° E
 and ascend.

40.00 Set a sand stone 12 x 12 x 8 in. stone in
 the ground, for $\frac{1}{4}$ Sec. Cor., marked
 $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 in.
 N. & S. of stone 6 ft. dia. and raised
 a mound of earth $\frac{1}{2}$ ft. high, 3 ft.
 base along side.

80.00 Set a post 4 ft. long, 4 in. sq. with
 marked stone 12 in. in the ground
 for Cor. to Sec. 20-21-28-29, marked
 S. 2 on N. S. 21 on N. E, R. 29 E. 28 on S. E,
 S. 29 on S. W. and S. 20 on N. W. face,
 with 2 notches on S. and 4 notches on
 E edges: dug pits 18 x 18 x 12 in. in
 each Sec, 6 ft. dia. and raised a
 mound of earth 2 ft. high, 4 ft.
 base around post.

Land rolling.

Soil 3d. part.

Timber of Cedar.

Vegetation of Couchgrass.

Township 22 N.

Range 29 E.

S. & S. R.

Meridian.

Chains

East, on a random line between Sections 21 and 28.

Variation $14^{\circ} 20'$ East.

Decend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.79.74 Intersect N. & S. lines 7 lks. South of cor. to
secs. 21-22-27-28 from which corner,
run $S. 89^{\circ} 57' E$ on a true line bet. sec.
21-28.Va. $14^{\circ} 20' E$.39.87 Set a post 3 ft. long 3 ins. dia. 24 ins. in
the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
S. by A. Lacer: from which
a Pin 20 ins. dia. bears $N. 15^{\circ} E$ 67 lks.
distant marked $\frac{1}{4}$ S. O. T.
A Pin 20 ins. dia. bears $S. 48^{\circ} W.$ 79 lks.
distant marked $\frac{1}{4}$ S. O. T.

79.74 The cor. to secs. 20-21-28-29.

Land hilly.

Soil sd. pat.

Timber of Cedar.

Vegetation of Bunchgrass.

Township 23 N.

Range 29 E

G. S. R.

Meridian.

Chains

North, between Sections 20 and 21.

Variation

14° 20'

East.

Accord.

40.00 Set a sand stone $2\frac{1}{4} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ins. 18 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor.,
marked $\frac{1}{4}$ on W. face:

From which

A Pine 6 ins. dia bears N. 47° E 98 lbs.
dist. marked $\frac{1}{4}$ S. B. L.

A Cedar 10 ins. dia bears S. 12° W. 57 lbs.
dist. marked $\frac{1}{4}$ S. B. L.

80.00 Set a sand stone $30 \times 24 \times 5$ ins. 22 ins.
in the ground, for Cor. to Sec.
16-17-20-21, marked with 3 notches on
S. and 4 notches on E. edges:

from which

A Cedar 16 ins. dia. bears N. 18° W. 219
lbs. dist. marked S. 22 N. R. 29 E S. 17 B. L.

No other tree within limits: raised a
mound of stone along side.

Site impracticable

Sand rolling.

Soil 2d. pat.

Timber of Cedar.

Vegetation of bunchgrass.

Township 22 N

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 16 and 21.

Variation $14^{\circ} 20'$

East.

Ascend.

6. 50 Top of spur bars N. & S. & descend.
 40. 00 Set temporary $\frac{1}{4}$ sec. cor.
 80. 17 Intersect - N. & S. line 38 lks. South of cor.
 to sec. 15-16-21-22 from which angle,
 I run S. $89^{\circ} 44'$ W. on a true line bet.
 sec. 16-21.

Va. $14^{\circ} 20'$ E

40. 08 Set a post 3 ft. long, 3 ins. diam. with
 marked stone 12 ins. in the ground
 for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face,
 dug pits 18 x 18 x 12 ins. E & W. of post
 $5\frac{1}{2}$ ft. dist. and raised a mound of
 earth 1 ft. high 3 ft. base around
 post.

80. 17 The cor. to sec. 16-17-20-21.

Land rolling.

Soil 3d. pat.

Timber of Cedar.

Vegetation of Bunchgrass.

Township 22 N. Range 29 E
 G. & S. R. Meridian.

Chains

North, between Sections 16 and 17.

Variation

14°20'

East.

Decend

- 21.00 Top of Spur bars E & W. & decend.
- 40.00 Set a sand stone 18x14x6 ins. 12 ins in the ground, for 1/4 Sec. Cor, marked 1/4 on N. face, dug pits 18x18x12 ins. N. and S. of stone 5 ft. dia. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base along side.
- 47.23 Cross Gulch Plk. with, corner S. W. and decend.
- 50.00 Set a sand stone 24x18x8 ins. 18 ins. in the ground, for Cor. to Sec. 8-9-16-17 marked with 4 notches on S. and E. edges, dug pits 18x18x12 ins. in each Sec, 5 ft. dia. and raised a mound of earth 2 ft. high, 4 1/2 ft. base along side & sand rolling.
 Set 3d. rat.
 Timber of Cedar.
 Vegetation of Bunch grass.

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 9 and 16.

Variation $14^{\circ} 20'$ East.

Decend.

- 9.00 Cross Gulch 5 lbs. wide Course South & ascend.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.83 Intersect N. & S. line 20 lbs. South of cor. to
 sec. 9-10-15-16 from which corner I
 run S. $89^{\circ} 51'$ W. on a true line bet. sec.
 9-16.

Ta. $14^{\circ} 20'$ E

- 39.91 Set a post 3 ft. long, 3 ins. dia. with
 marked pairs 12 ins. in the ground
 for $\frac{1}{4}$ sec. Cor., marked $\frac{1}{4}$ S. low N.
 face, dug pits 18, 18, 12 ins. E & W. of
 post 5 ft. dist. and raised a mound
 of earth 1 ft. high, 3 ft. base around
 post.

- 79.83 The cor. to sec. 8-9-16-17.

Land rolling.

Soil 2d. rate.

Vegetation Bunchgrass.

Township

22 N.

Range

29 E

G. & S. R.

Meridian.

Chains

North, between Sections 8 and 9.

Variation

14° 20'

East.

Record.

40.00 Set a post 3 ft. long 3 ins. dia. 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face: from which

A Pin 4 ins. dia. bears N. 81° W. 212 lbs. dist. marked 1/4 S. P. T.

A Pin 6 ins. dia. bears S. 53° E 316 lbs. dist. - marked 1/4 S. P. T.

80.00

Set a post 4 ft. long 4 ins. sq. with marked staves 12 ins. in the ground for Cor. to Secs. 4-5-8-9, marked T. 22 N. S. 4 on N. E. R. 29 E. S. 9 on S. E. S. 8 on S. W. and S. 5 on N. W. faces, with 5 notches on S. and 4 notches on E. edges: dug pits 18 x 18 x 12 ins. in each Sec, 5 ft. dist. and raised a mound of earth 2 ft. high, 4 ft. base around post

Land rolling.

Soil 3d. rapd

Timber of Cedar

Vegetation of Couchgrass.

Township 22 N.

BOOK 449

Range 29 E

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 4 and 9.

Variation $14^{\circ}20'$ East.

Decend.

8.60 Cross Gulch 4 lks. wide, Course South & second.

19.30 Top of spur, bears S. 10° W. & N. 10° E & decend.40.00 Set temporary $\frac{1}{4}$ sec. cor.79.69 Intersect N. & S. lines 40 lks. North of cor. to sec. 3-4-9-10 from which corner, I run $789^{\circ}45'$ W. on a true line bet. sec. 4-9.Ta. $14^{\circ}20'$ E39.85 Set a post 3 ft. long 3 ins. dia. with marked stones 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. on N. face: dug pits $18 \times 18 \times 12$ ins. E & W of post 5 ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high, 3 ft. base around post.

79.69 The cor. to sec. 4-5-8-9.

Land rolling.

Soil sd. patot.

Timber of bridge.

Vegetation of bunch grass.

I examined the adjustments of my compass to-day & found them correct.
S. G. Camp, Comptroller Nov. 15-1882

Township 22 N. Range 29 E
G. S. R. Meridian.

Chains North, on a random line between Sections 4 and 5.
Variation $14^{\circ} 20'$ East.

Record.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.71 Intersect N. B. of Sp. 30 lks. Each of
cor. to sec. 4-5-8-9 which is a
Post 4 ft. long, 4 in. sq. with marked stone 12
ins. in the ground marked T. 22 N. S. 33 on N. E.
R. 29 E. S. 4 on S. E. T. 22 N. S. 5 on S. E. &
S. 33 on N. W. face, with 4 notches on
E and 3 notches on W. edges, with pits
18 x 18 x 12 ins. in each sec, 3 ft. dia.
and with a mound of earth 2 ft.
high, 4 ft. base around post.
From which corner, I run S. 18' E on a
true line bet. sec. 4-5.

Var. $14^{\circ} 20'$ E

39.71 Set a post 3 ft. long, 3 in. dia. with
marked stone 4 in. in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on W. face,
dug pits 18 x 18 x 12 ins. N. & S. of post,
5 ft. dia. and raised a mound of
earth 1 ft. high, 3 ft. base around post.
79.71 The cor. to sec. 4-5-8-9.

Land rolling. Soil 3d. rate.
Timber of Cedar. Vegetation of Bunchgrass.

Township 22 N.

Range 29 E

G. & S. R.

Meridian.

Chains

From the cor. to sec. 29, 30, 31 and 32 on S. boundary of T. 22 N. R. 29 E. S. 31 and 32
 necessary to establish the line
 North, between Sections 31 and 32.

Variation

14° 18'

East.

Ascend.

6.00 Top of Ridge bare N. 30° E. & S. 30° W. & descend.

12.00 Cross Dry Wash 40 lbs. wide, Course S. 30° W. and ascend.

40.00 Set a post 3 ft. long 3 in. dia. with marked points 12 in. in the ground for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pit 18 x 18 x 12 in. N. & S. of post 5 ft. dia. and raised a mound of earth 2 ft. high 3 ft. base around post.

80.00 Set a post 4 ft. long 4 in. sq. with marked points 12 in. in the ground for Cor. to Sec. 29-30-31-32, marked T. 22 N. R. 29 E. S. 32 on S. E. S. 31 on S. W. & S. 30 on N. W. face, with 1 notch on S. and 5 notches on E. edges:

from which
 A Cedar 16 in. dia. bare N. 15° W. 94 lbs. dia. marked T. 22 N. R. 29 E. S. 30 B. T.

No other trees within limits. dug pit 18 x 18 x 12 in. in each sec, 5 ft. dia. and raised a mound of earth 2 ft. high 4 ft. base around post. Land rolling. Soil 3d. rate. Timber of Cedar. Vegetation of Bunchgrass

Township 23 N Range 29 E
S. & S. R. Meridian.

Chains East, on a random line between Sections 29 and 32.
 Variation 14° 20' East.

Decend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.78 Intersect N. & S. lines 13 lks. North of cor. to
 sec. 28-29-32-33 from which corner I
 run N. 89° 54' W. on a true line bet. sec.
 29-32.

Var. 14° 20' E

39.89 Set a post 3 ft. long, 3 in. diam. with
 marked betw. 12 in. in the ground
 for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. & W. $\frac{1}{4}$ cor.,
 dug pits 18 x 18 x 12 in. E & W. of post
 5 ft. dist. and raised a mound of
 earth 1 ft. high 3 ft. base around
 post.

79.78 The cor. to sec. 29-30-31-32.

Land rolling

Soil sd. rate.

Timber of Cedar.

Vegetation of Bunchgrass.

W. R. Fitzgerald Nov. 16-1882

Township 22 N

Range 29 E

G. & S. R.

Meridian.

Chains

West, on a random line between Sections 30 and 31.

Variation $14^{\circ}20'$

East.

Descend.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 78.86 Intersect N. Co. of T. 31 lbs North of cor. to sec.
30-31-25-36 which is a post 4 ft long, 4 ins. dia,
24 ins. in the ground, marked E. 22 N. S. 30 on N. E
R. 29 E S. 31 on N. E R. 28 E S. 36 on S. W. & S. 35 on
N. W. faces, with 1 notch on S. & 5 notches on N.
edge: From which -
A Cedar 30 ins. dia. bears N. $32\frac{1}{2}^{\circ}$ E 49 lbs. dist.
marked T. 22 N. R. 29 E S. 30 R. T.
- A Cedar 18 ins. dia. bears S. 25° E 72 lbs. dist.
marked T. 22 N. R. 29 E S. 31 R. T.
- A Cedar 18 ins. dia. bears S. W. 37 lbs. dist.
marked T. 22 N. R. 28 E S. 36 R. T.
- A Cedar 20 ins. dia. bears N. $7\frac{1}{2}^{\circ}$ W 21 lbs. dist.
marked T. 22 N. R. 28 E S. 25 R. T.
- From which cor. I run N. $89^{\circ}47'$ E on a true line
bet. sec. 30-31. Va. $14^{\circ}15'$ E
- 38.86 Set a post 3 ft. long 3 ins. dia. with marked
stain 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor.,
marked $\frac{1}{4}$ S. on N. face dig pits 16 x 18 x 12 ins
E. W. of post 5 $\frac{1}{2}$ ft. dia. & galled a mound of
earth $\frac{1}{2}$ ft. high $0\frac{1}{2}$ ft. dia. around post
- 78.86 The cor. to sec. 29-30-31-32.
S. on a red pine. Soil sd. rat.
W. side of Cedar. V. gratulation of bunch grass.
S. 6 cap. Compass on Nov. 16 1882

Township

22 N

Range

29 E

G. & R.

Meridian.

Chains

North, between Sections 29 and 30.

Variation

14° 20'

East.

Record.

- 40.00 Set a sand spire 10x10x6 ins. 6 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face: from which
 A Cedar 14 ins. dia. bears N. 16° W. 91 lbs. dist. marked $\frac{1}{4}$ S. B. T.
 A Pine 6 ins. dia. bears S. 68° E. 101 lbs. dist. marked $\frac{1}{4}$ S. B. T.
- 48.00 Top of Ridge bears N. E. & S. W. & record
- 80.00 Set a post 4 ft. long, 4 ins. sq., 24 ins. in the ground, for Cor. to Secs. 19-20-29-30, marked T. 22 N. S. 20 on N. E. R. 29 E S. 29 on S. E. S. 30 on S. W. and S. 19 on N. W. face, with 2 notches on S. and 5 notches on E. edges: from which
 A Pine 8 ins. dia. bears S. 33° E. 217 lbs. dist. marked T. 22 N. R. 29 E S. 29 B. T.
 A Cedar 16 ins. dia. bears S. 49° W. 305 lbs. dist. marked T. 22 N. R. 29 E S. 30 B. T.
- No other trees within limits: dug pits 18x18x12 ins. in Secs. 19 & 20, 6 1/2 ft. dist. & raised a mound of earth 2 ft. high 4 1/2 ft. tree around post.
 Land rolling, soil 3d. rate.
 Timber of Cedar. Vegetation of Couch grass.

Township 22 N.

Range 29 E.

G. & S. R.

Meridian.

Chains

East, on a random line between Sections 20 and 29.

Variation $14^{\circ} 20'$ East.

Descend.

- 33.00 Cross Cañon 150 lks wide, Cross S. E. & ascend.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.33 Intersect N. & S. lines 20 lks. South of cor. to
 sec. 20-21-28-29 from which course
 I run S. $89^{\circ} 51' W$ on a true line bet.
 sec. 20-29.

Va. $14^{\circ} 20' E$

- 40.17 Set a sand stone 16x10x10 ins. 10 ins. in
 the ground, for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$
 on N. face: from which
 A Cedar 18 ins dia. brass N. $10^{\circ} W$. 216 lks.
 dist. marked $\frac{1}{4}$ S. B. L.
 A Cedar 16 ins dia. brass S. $53^{\circ} E$ 27 lks.
 dist. marked $\frac{1}{4}$ S. B. L.

- 80.33 The cor. to sec. 19-20-29-30.

Land rolling.

Soil 3d. pat.

Timber & bridge.

Vegetation of bunch grass.

W. R. Fitzgerald Dec. 16-1882

Township 22 N.

Range 29 E

E. & S. R.

Meridian.

Chains

West, on a random line between Sections 19 and 30.

Variation $14^{\circ} 26'$ East.

Decend.

8.00 Top of Ridge bears N. W. & S. E. & decend.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

78.91 Intersect N. B. of Sp. 18 lks. North
of cor. to sec. 24-25-19-30 which is a
post 4 ft. long 4 in. sq. 24 in. in the ground
marked E. 22 N. S. 19 on N. E. R. 29 E S. 30
on S. E. R. 28 E S. 25 on S. W. and S. 24 on
N. W. face, with 2 notches on S. and 4
notches on N. ridge; from which
A Cedar 16 in. dia. bears S. $14^{\circ} 52'$ E 27 lks. dist.
marked T. 22 N. R. 29 E S. 30 B. T.
A Cedar 30 in. dia. bears N. $25^{\circ} 15'$ W. 15 lks. dist.
marked T. 22 N. R. 28 E S. 24 B. T.
From which corner I run N. $89^{\circ} 52'$ E
on a true line bet. sec. 19-30.

to $14^{\circ} 15' E$

38.91 Set a sand stone 10x8x8 in. pine in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. W.
face, dug pit 18x18x12 in. E. & W. of
stone 5 ft. dist. and raised a mound of
earth 1 ft. high, 3 ft. base along side.

78.91 The cor. to sec. 19-20-29-30.

Land rolling. Soil 3d. rate.

Timber of Cedar & Pine. Vegetation of Bunchgrass

S. C. Calkins Comptroller Dec. 15-1892

Township 23 N.

Range 29 E

G. & S. R.

Meridian.

Chains

North, between Sections 19 and 20.

Variation

14° 20'

East.

Descend.

- 25.30 Cross Cañon 100 lbs. wide, courses S E & ascend.
- 40.00 Set a sand stone 10x10x8 ins. 6 ins. in the ground, for 1/4 sec. cor., marked 4 on W face, dug pits 18x18, 12 ins. N & S. of stone 5 ft. deep and raised a mound of earth 1 1/2 ft. high, 3 ft. base alongside.
- 80.00 Set a sand stone 20x18x10 ins. 15 ins. in the ground, for cor. to Sec. 17-18-19-20, marked with 3 notches on S and 5 notches on E edges and raised a mound of stone alongside.

Pits impracticable.

Land rolling.

Soil sd. ralt

Timber of Cedar.

Vegetation of Bunch grass.

Township 22 A Range 29 E Meridian.

Chains East, on a random line between Sections 17 and 20.
Variation 14° 20' East.

Decend.

- 11.20 Cross Gulch 4 lks. wide, Corner S 20° E & ascend.
- 31.00 Top of Spur, bears N. & S. & descend
- 40.00 Sit temporary 1/4 sec. cor.
- 42.10 Cross Gulch 10 lks. wide, Corner South and ascend.
- 80.05 Intersect N. & S. line 3 1/2 lks. South of cor. to sec. 16-17-20-21 from which, corner, from S 89° 47' W. on a true line bet. sec. 17-20.

Va. 14° 20' E

- 40.02 Set a sand stone 24 x 20, 4 ins. 18 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face. Dug pits 18 x 18 x 12 ins. E & W of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 ft. base along side.

- 80.05 Top cor. to sec. 17-18-19-20.

Land rolling.

Soil 3d. ratot

Timber of Cedar.

Vegetation of Bunch grass.

I examined my compass to-day, found it correct. W. R. Fitzgerald Dec. 16-1882

Township 22 N

Range 29 E

G. & S. R.

Meridian.

Chains

West, on a random line between Sections 18 and 19.

Variation

14° 20'

East.

Ascend.

.50 Top of spur bears N. & S. & descend.

40.00 Set temporary 1/4 sec. cor.

78.60 Intersect W. B. of T. 23 lks. South of cor. 1/4 sec. 18-19-13-24, which is a post 4 ft. long, 4 in. sq., with marked stakes 12 in. in the ground, marked T. 22 N. S. 18 on N. E., R. 29 E. S. 19 on S. E., R. 28 E. S. 24 on S. W. & S. 13 on N. W. face, with 3 notches on S. & N. edges: with a pile 18 x 18 x 12 in. in each sec, 5 1/2 ft. feet and with a mound of earth 2 ft. high 4 1/2 ft. base around post from which corner I run S. 89° 30' E on a true line bet. secs. 18-19.

Va. 14° 10' E

38.60 Set a sand chain 18 x 12 x 6 in. 12 in. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face: from which

A Pin 12 in. dia. bears N. 10° E 190 lks. dist. marked 1/4 S. B. T.

A Cedar 18 in. dia. bears S. 47° W. 41 lks. dist. marked 1/4 S. B. T.

78.60 The cor. to secs. 17-18-19-20

Land rolling. Soil 3d. rats.

Timber of cedar. Vegetation of Bunchgrass.

S. C. Caph. Carpenter Dec. 16. 1892

Township 22 N.

Range 29 E

G. S. R.

Meridian.

Chains

North, between Sections 17 and 18.

Variation

14° 20'

East.

Record:

40.00

Set a post 3 ft. long 3 in. dia. 24 in. in the ground for 3rd Sec. Cor., marked $\frac{1}{4}$ S on N. face: from which

A Pin 10 in. dia. bears N. 35° E 57 lbs. dist. marked $\frac{1}{4}$ S. B. 7.

A Ordar 13 in. dia. bears S. 21° W. 96 lbs. dist. marked $\frac{1}{4}$ S. B. 7.

80.00

Set a post 4 ft. long 4 in. sq. 24 in. in the ground for Cor. to Secs. 7-8-17-18

marked T. 23 N. S. 8 on N. E. R. 29 E S. 17 on S. E. S. 18 on S. W. and S. 7 on

N. W. faces with 4 notches on S. and 5 notches on E. edge: from which

A Ordar 14 in. dia. bears N. 67° W. 88 lbs. dist. marked T. 23 N. R. 29 E S. 7 B. 7.

A Pin 9 in. dia. bears S. 54° E 101 lbs. dist. marked T. 23 N. R. 29 E S. 17 B. 7.

No other pins within limits: dug pits 18 x 18 x 12 in. in each Sec. 5 $\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.

Land rolling, Soil 3d. rate

Timber of Ordar & Pin.

Vegetation of Bunchgrass.

Township 22 N.

Range 29 E

G & S R.

Meridian.

Chains

East, on a random line between Sections 8 and 17.

Variation $14^{\circ}20'$ East.

Ascend.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 59.40 Top of spur bears N. & S. & descend.
 63.66 Cross Dry Wash 10 lbs. wide, course south.
 79.85 Intersect N. & S. lines 25 lbs. North of
 cor. to sec. 8-9-16-17 from which corner
 I run N. $89^{\circ}49'W$. in a true line bet. sec.
 8-17.

Va. $14^{\circ}20' E$

- 29.93 Set a post 3 ft. long 3 in. dia 24 in. in
 the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 S on N. face: from which
 a cedar 18 in. dia. bears S. $59^{\circ}W$. 33 lbs.
 dist. marked $\frac{1}{4}$ S. B. L.
 No other tree within limits: dug pits
 18 x 18 x 12 in. E & W. of post 5 $\frac{1}{2}$ ft. dist.
 and raised a mound of earth 1 $\frac{1}{2}$ ft. high,
 3 ft. base around post.
 79.85 The cor. to sec. 7-8-17-18.

Land rolling.

Soil 2d. rate.

Timber of cedar.

Vegetation of bunchgrass.

W. R. Fitzgerald

Dec. 16-1882

Township

22 S

Range

29 E

G. S. R.

Meridian.

Chains

West, on a random line between Sections 7 and 18.

Variation

14° 20'

East.

Record.

40.00 Set temporary 1/4 sec. cor.

78.87 Intersect W. B. of Tp. 28 lps. south of cor.

to sec. 12-13-7-18 which is a post 4 ft. long 4 ins. sq, 24 ins. in the ground, marked T. 22 N. S. 700 N. E. R. 29 E. B. 15 on S. E. R. 28 E. S. 13 on S. Ward S. 12 on N. W. faces, with 4 notches on S. & 2 notches on N. edge:

from which

A Cedar 24 ins. dia bears N. 29° E 41 lps. dist. marked T. 22 N. R. 29 E S. 7 B. T.

A Cedar 16 ins. dia bears S. E. 36 lps. dist. marked T. 22 N. R. 29 E S. 18 B. T.

A Cedar 32 ins. dia. bears S. 63 1/2° W. 94 lps. dist. marked T. 22 N. R. 28 E S. 13 B. T.

A Cedar 24 ins. dia. bears N. 57 1/2° W. 65 lps. dist. marked T. 22 N. R. 28 E S. 12 B. T.

From which corner, I run S. 89° 48' E on a true line bet. sec. 7-18. Ta. 14° 15' E

38.87 Set a post 3/4 long 3 ins. diam. with marked stone 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S on N. face dug hole 18 x 18, 12 ins. E. & N. of post 5 1/2 ft. dist.

78.87 & placed a mound of earth 1 1/2 ft. high 3 1/2 ft. long around post. The cor. to sec. 7-8-17-18. Land rolling. Soil 3d. galv. Timber of Cedar. Vegetation of Birch, grass.

I examined my instrument - it-day found it correct. J. B. Cough Compassman Dec. 16-1882

Township 22 N.

Range 29 E.

G. & S. R.

Meridian.

Chains

North, between Sections 7 and 8.

Variation 14° 20' East.

Accord.

40.00 Set a sand stone 18 x 14 x 8 in. 12 in. in the ground, for 1/4 Sec. Cor, marked 1/4 on W face: from which

A Pine 4 in. dia. bare N. 26° E. 69 lbs. diet. marked 1/4 S. B. T.

A Pine 4 in. dia. bare, S. 58° W. 119 lbs. diet. marked 1/4 S. B. T.

80.00 Set a sand stone 14 x 10 x 8 in. 9 in. in the ground, for Cor. to Secs. 5-6-7-8, marked with 5 notches on S. and E. edges:

from which

A Cedar 10 in. dia. bare N. 27° W. 79 lbs. diet. marked T. 22 N. R. 29 E. S. 6 B. T.

A Cedar 18 in. dia. bare S. W. 163 lbs. diet. marked T. 22 N. R. 29 E. S. 7 B. T.

Other trees within limits: dug pits 18 x 18 x 12 in. in Secs. 5-8, 3 1/2 ft. deep, and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land rolling.

Soil 3d. rate.

Timber of Cedar.

Vegetation of bunch grass.

Township 22 N. Range 29 E
 G. & S. R. Meridian.

Chains East, on a random line between Sections 5 and 8.
 Variation 14° 20' East.

12.00 Descend
 Cross Dry Wash 5 lks. wide, Course
 S. 20° E and ascend
 40.00 Set temporary 1/4 sec. cor.
 76.00 Top of Ridge (trace) N. & S. descend.
 80.20 Intersect N. & S. line 16 lks. South
 of cor. to sec. 4-5-8-9 from which
 corner, I run S 89° 53' W. on a true
 line bet. sec. 5-8.

Ta. 14° 20' E

40.10 Set a sand stone 11 x 10 x 8 inc. in
 the ground, for 1/4 Sec. Co., marked
 1/4 on N. face dug pits 18 x 18 x 12 inc.
 E & W. of stone 5 ft. dist. and
 raised a mound of earth 1 1/2 ft. high
 1/2 ft. base along side

80.20 The cor. to sec. 5-6-7-8
 Land rolling.
 Soil S. part.
 Type of Cedar.
 Vegetation of bunch grass.

W. R. Fitzgerald Dec. 16-1882

Township 22 N. Range 29 E.

G. & S. R.

Meridian.

Chains

West, on a random line between Sections 6 and 7.

Variation $14^{\circ}20'$ East.

Accord.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.24 Intersect W. Co. of Twp. 5 lks. North of cor. to
 sec. 6-7-1-12 which is a sand stone
 $24 \times 20 \times 10$ ins. 18 ins. in the ground,
 marked with 5 notches pt. S. and 1
 notch on N. edge: from which
 A Cedar 26 in. dia. bears N. 67° E. 57
 lks. dist. marked T. 22 N. R. 29 E. S. 6 B. T.
 A Cedar 24 in. dia. bears N. 24° W. 91 lks.
 dist. marked T. 22 N. R. 29 E. S. 1 B. T.
 No other trees within limits; with a
 surround of stone along side.

From which cor.

Run N. $89^{\circ}58'$ E. on a true line bet. sec. 6-7.
 Va. $14^{\circ}15'$ E

39.24 Set a post 3 ft. long, 3 in. dia. with marked
 stone 12 in. in the ground, for $\frac{1}{4}$ Sec. Cor.,
 marked $\frac{1}{4}$ S. on N. face, dug pits 18, 18, 12 ins.
 E. & W. of post 5 ft. dist. and raised a mound
 of earth 1 ft. high, 3 ft. base around post.

79.24 The cor. to sec. 5-6-7-8.

Sand & pebbles. Soil 3d. rate.

Timber of Cedar. Vegetation of bunch grass.

Township 22 N

Range 29 E

G. S. R.

Meridian.

Chains

North, on a random line between Sections 5 and 6.

Variation $14^{\circ} 20'$ East.

Descend.

16.80 Cross Dry Wash 4 lks. wide, Course $S. 20^{\circ} E$ & accomb.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

79.88 Intersect N. B. of T. 15 lks West of cor. to sec. 5-6-31-32 which is a sand stain $12 \times 12 \times 6$ ins. fine in the ground marked with 5 notches on E & 1 notch on W. edge:

From which

A Pine 6 ins. dia. bears $N. 29^{\circ} E$ 107 lks. dist. marked T. 23 N. R. 29 E S. 32 B. T.

A Pine 6 ins. dia. bears $S. 87^{\circ} E$ 116 lks. dist. marked T. 22 N. R. 29 E S. 5 B. T.

A Pine 4 ins. dia. bears $S. 63^{\circ} W.$ 91 lks. dist. marked T. 22 N. R. 29 E S. 6 B. T.

From which course, I run $S. 6^{\circ} W.$ on a true line bet. sec. 5-6 $\text{Ta } 14^{\circ} 20' E$

39.88 Set a sand stain $10 \times 8 \times 8$ ins. fine in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face.

From which

A Cedar 33 ins. dia. bears $N. 88^{\circ} W.$ 247 lks. dist. marked $\frac{1}{4}$ S. B. T. No other tree within

1/2 mile. dug pits $18 \times 18 \times 12$ ins. at S. E. corner $5 \frac{1}{2}$ ft. dist. & raised a mound of earth $1 \frac{1}{2}$ ft. high $0 \frac{1}{2}$ ft. high along side. The cor. to sec. 5-6-7-8. Land rolling. Soil red, pale timber of Cedar. Vegetation bunch grass.

79.88

S. C. Cappe Comptroller
Dec. 16-1882

BOOK 449
GENERAL DESCRIPTION.

This Tn. contains mountains & valleys. The Northern portion is rough & broken. It is covered with a growth of scrub cedar. The Rio Puerco River runs through the South East portion.

The Atlantic & Pacific Rail Road runs through the Rio Puerco Valley. The company have a well, pump & tank all covered in Sec. 26.

The soil is black adobe in valley and of a rocky nature in hills and mountains. It will produce in valley without irrigation. It is 2d & 3d. rate.

The R. R. have a fine quarry of White Granite in Sec. 33. There is a boarding house near by, for the men.

Mr. J. W. Bennett has a store, an indian trading post, dwelling and other buildings in Secs 26-35. Kinsella has a store in Sec. 33.

Final Oaths for Surveys.

LIST OF NAMES.

A list of the names of the individuals employed by

W. R. Fitzgerald, 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 Exterior and subdivision*

lines of Tps 20. & 21 N R 28 E, T.

23 N R 31 E & Tps 19. 20. 21 & 22 N

Rs 29 E & 30 & 31 E G. & A. R. M

showing the respective capacities in which they acted.

J. S. Capp, Compassman.

Thos. J. Kerr, Chainman.

W. L. Crow Horn, Chainman.

Geo. Jacobs, Chainman.

James Newton, Chainman.

J. A. Walker, Axeman.

H. W. Nicholl, Flagman.

Final Oaths of Assistants.

We hereby certify that we assisted *W. R. Fitzgerald*, United States Deputy Surveyor, in surveying all those parts or portions of the *Exterior* and subdivision lines of *Tps 20 & 21 N. R 28 E Tp 23 N. R 30 E & Tps 19 20. 21 & 22 N. R s 29. 30 & 31 E*

of the *G. & A. R.* base and Meridian, *Territory of Arizona* as 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

A. Elapp, Compassman.
Thos. J. Kerr, Chainman.
W. L. Vainstom, Chainman.
George Jacobs, Chainman.
James Newton, Chainman.
D. A. Walker, Axeman.
H. T. Nicholl, Axeman.
H. T. Nicholl, Flagman.

Subscribed and sworn to before me this *28th* day of *December*, 188*2*.

A. E. Shaemker
 U. S. Commissioner, 3d Judicial District,
 Arizona Territory.

Final Oath of United States Deputy Surveyor.

I, W. R. Fitzgerald,
 United States Deputy Surveyor, do solemnly swear that in pur-
 suance of instructions received from John Wasson
 United States Surveyor-General
 for Arizona, bearing date of the
21st day of September, 1882,
 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 Arizona,
 the surveying manual, and the laws of the United States, sur-
 veyed all those parts or portions of the Exterior
and subdivision lines of Tps 20
+ 21 N. R 28 E. Tps 23 N. R 31 E
+ Tps 19. 20. 21 + 22 N R 29, 30
+ 31 E G. & S. R M
 of the _____ base and _____
 Meridian in the Territory of Arizona,
 as represented in the foregoing field-notes as having been surveyed
 by me and under my directions; and I do further solemnly swear

65

that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field-notes, and that the foregoing are the true field-notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an Act of Congress, approved August 8, 1846.

W.R. Fitzgerald,

United States Deputy Surveyor.

Subscribed and sworn to before me this 28th
 day of December, 1882

A. E. Shaemaker

**U. S. Commissioner, 3d Judicial District,
 Arizona Territory.**



BOOK 449

U. S. Surveyor General's Office,

TUCSON ARIZONA,

May 17, 1882

The foregoing Field Notes of the Survey of the

Subdivision Lines of
 T. P. 22 N. R. 29 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-
 ted by W. R. Fitzgerald

Deputy Surveyor, under his contract of the

day of July, 1882, having been

critically examined and the necessary corrections and explana-
 tions made, the said Field Notes and the surveys they describe
 are hereby approved.

J. M. Robinson
 Surveyor General.