

Book 1.

Filed Dec 26. 99.

BOOK 936

Subdivisions
T. 21 S. R 7 E.
P. Contzen

BOOK 936

4-671

936

FIELD NOTES
GENERAL LAND OFFICE.

No. 936

No. 936

Field Notes
of the survey of the
Subdivision lines
of
Township No 21 South
Range No. 7 East,
of the
Gila and Salt River Basal
and Meridian
in the Territory of Arizona
as surveyed by
Philip Coutzen
U.S. Deputy Surveyor
under his Contract No 55.
Dated June 23rd 1899.

Survey commenced Oct 3, 1899
Survey completed Oct 31, 1899

1A

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BOOK 932
BOOK 936

(4-074.)

Township 21 S. R. 7 E.

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✓ Preliminary Oaths of Assistants.

We, *J. O. Hays, Charles Clark
Martin Ramsey, & Frank Davis*
do solemnly swear that we will well and faithfully
execute the duties of Chain Carriers; that we will
level the chain upon even and uneven ground, and
plumb the tally pins, either by sticking or dropping
the same; that we will report the true distance to
all notable objects, and the true lengths of all lines
that we assist in measuring, to the best of our skill
and ability, and in accordance with instructions
given us, in the survey of the *exterior*
and subdivisional
lines of Tps. 21 S. R. 7 E
and fract. Tps 24 S. Rs.
13 and 14 E
of the Gila and Salt River Base and Meridian in
the Territory of Arizona.

J. O. Hays Chainman.
Charles Clark Chainman.
Martin Ramsey Chainman.
Frank Davis Chainman.

Subscribed and sworn before me, this *6th*
day of *October* 189*9*

M. W. Purcell
Notary Public.

[SEAL.]

My Com 24 2/27/1901

We, *Charles Bent and*
Manuel Salazar

do solemnly swear that we will well and truly per-
form the duties of *flagman*
and axeman

in the establishment of corners and other duties,
according to instructions given us, and to the best
of our skill and ability, in the survey of the *exterior*

and subdivisional lines
of *T. 21 S. R. 7 E* and
frac. Tps 24 S. Rs. 13
and 14 E.

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

Charles Bent, flagman
Manuel Salazar, axeman

Subscribed and sworn to before me this *6th*

day of *October* 189*9*

J. W. Purcell
Notary Public.

my Com 54 3/27/1901

Subdivision of T. 21.0.

Survey commenced Oct. 13th
1899, and executed with
a Young & Sons light
mountain transit No. 5609
with Smiths solar attachment

The horizontal limb is
provided with two double
verniers placed opposite to
each other, reading to single
minutes of arc which is also
the least count of the verniers
of the latitude & declination
arcs.

The instrument was examined,
tested on the True meridian
at Tucson, A.T. Oct 6th 1899.
found correct and was
approved by the Surveyor
General. further I
examined and tested the

R. 7. E. S. 4 & D. R. Mer.

instrument this morning at 8 a.m. l.t. on the Meridian established by me by Polaris & Solar observations on Oct 8th & 9th 1899. at Cor. to Townships No 21 and 22 S. Ranges No 7 and 8. East. as heretofore described, and found the same to be correct.

Chains From the Cor. to Tps. 21 & 22 S. Rs. 7. & 8. E.
 I run North on the East bdy. of Sec. 36. and at
 40.02 intersect the $\frac{1}{4}$ Sec. Cor. and at
 80.03 I intersect the Cor. of Sec's 25, 30, 31 and 36. Therefore the line bears North

Subdivision of T. 21. ©
chains.

Therefore, the bearings are as stated by the surveyor general, and my chaining practically agrees with the field notes of the original survey.

I commence at the Cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp. which is a granite stone 5 x 8 x 3 ins. above ground, firmly set, as heretofore described.

Thence I run

N 0° 01' W, bet. secs. 35 and 36, ^{descend}
over mountainous land;

- | | |
|-------|---------------------------------------|
| 2.00 | Gulch, 10 lks. wide, bears E., ascend |
| 6.00 | Top of ridge, bears E. & W.; descend |
| 16.50 | Head of gulch, bears E. |
| 19.80 | Gulch 4 lks. wide, bears E. ascend |

R. 7. E

chains.

- | | | |
|-------|---|---------|
| 20.90 | Top of ridge, bears E & W. | descend |
| 28.10 | Gulch 6 lks. wide, bears E. | ascend |
| 30.00 | Top of ridge bears E & W. | |
| 34.50 | Gulch 15 lks. wide, bears E. | ascend |
| 35.60 | Top of ridge, bears E & W. | descend |
| 37.00 | Gulch 6 lks. wide, bears E. | ascend |
| 40.00 | Set a granite stone 18x10x6 ins.
13 inches in the ground for
$\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ 35. on
W. face 36. on E. face.
and raise a mound of stone
2 $\frac{1}{2}$ ft. base $\frac{1}{2}$ ft. high W.
of Cor. Pits impracticable. | |
| 45.00 | Top of ascent | |
| 56.80 | Gulch 20 lks. wide, bears N.E. | |
| 58.00 | Gulch 20 lks. wide, bears E. | ascend |
| 66.00 | Top of ridge, bears E & W; | descend |
| 69.90 | Gulch 30 lks. wide, bears E. | ascend |
| 72.00 | Top of ridge, bears E & W. | |
| 75.50 | Gulch 20 lks. wide, bears E. | ascend |

Subdivision of T. 21. S.

chains

80.00

Set granite stone $22 \times 10 \times 8$ ins.
 16 inches in the ground, for Cor.
 of Secs. 25, 26, 35 and 36.
 marked with 1 notch on S.
 and 1 notch on E. edges,
 a mesquite 8 ins. diam., bears
 $N 43^\circ E$. 173 lks dist, marked
 T. 21. S., R. 7. E., S 25. B.T. no other
 trees within limits.

raise a mound of stone $2\frac{1}{2}$ ft.
 base $1\frac{1}{2}$ ft. high. W. of Cor.
 Pits impracticable.

Land mountainous.

Soil 2nd & 3rd rate, gravelly
 and rocky.

Timber, a few scattering oaks
 good grass.

Mountainous land 80. chs.

Continued

P 7 E

chains.

E. on a random line bet.
secs. 25 and 36.

40.00 set Temp. $\frac{1}{4}$ Sec. Cor.

79.94 Intersect E. bdy, of Tp. 4 lks.
S of Cor. of Secs. 25, 36, 30 and 31.
which is a granite stone $8 \times 12 \times$
12 ins. above ground, firmly set
and marked and witnessed as
described by the surveyor General.
Thence, I run

$N 89^{\circ} 58' W$, on a true line
bet. secs. 25 and 36.

Over rolling ~~grass~~ land through
mesquite undergrowth.

26.50 Road to Aros Ranch, bears $NW \frac{1}{2} SE$.

27.00 Dry wash, 20 lks. wide, course SE .

39.97 Set Granite Stone $18 \times 12 \times 12$ ins.
13 ins. in the ground for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ 25 on N. face. 36 on
S. face.

Subdivision of T. 21. 0.

chains

A. Asota 4 ins. diam. bears $N 42\frac{1}{4}^{\circ} W$.
24 lbs. dist. marked S. 26.

B. T.

A. Mesquite 20 ins. diam., bears $S 42^{\circ} E$
83 lbs. dist. marked S. 36^{BT}

No other trees within limits

Raise a mound of stone $2\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high. N. of Cor. Pits imprac-
ticable.

42.00 Leave mesquite, bears $N \& S$, ascending

56.00 Gulch course N.W. joins gulch 1 ch. S.
of line. 1 ch. wide.

60.00 Gulch course S.E.

62.00 Gulch " S.E. (same)

66.00 Gulch 30 lbs. wide, course S.E.

79.94 The Cor. of Sects. 25, 26, 35 and 36.

Land rolling and mountainous.
gravelly. 2nd & 3rd rate

Timber - scattering Mesquite

Mountainous land 37.94 chs.

R. 7 E

Continued

chains.

N 0° 01' W. bet. secs. 25 and 26.

ascending.

8.00 Top of ridge, slopes E, descend.

10.30 Draw 10 lks. wide, course E, ascend

10.80 Top of ridge bears E. & W., descend

13.50 Draw 3 lks. wide bears E,
knoll 100' high - 5 chs. W., ascend

14.20 Top of ridge, slopes E, descend

29.50 Dry creek, course E.

31.00 Leave dry creek, course E, ascend.

40.00 Set granite stone 18x10x8 ins
13 inches in ground, for $\frac{1}{4}$ sec. Cor.
Marked $\frac{1}{4}$ 26, on W. face, 25 on
E. face.A Mesquite 3 ins. diam., bears
N 51° E, 117 lks. dist. marked

T. 5, S. 25, B.T.

A Mesquite 10 ins. diam., bears
S 54 $\frac{1}{2}$ ° W, 78 lks. dist. marked

T. 5, S. 26, B.T.

Subdivision of T. 21. S.,
chains

- 40.75 Road to Aras ranch, bears N.W.
- 42.00 Top of ridge, bears E. & W., descend
- 44.00 Gulch 15 lks. wide, course E.
- 50.00 Dry wash 6 lks. wide, course E.; ascend
- 57.50 Top of ridge, bears E. & W., descend
- 65.00 Gulch 6 lks. wide, course E. foot,
enter rolling land,
- 71.10 Dry wash, 20 lks. wide, course E.
- 80.00 Set sand stone 18 x 8 x 6 ins. 13
inches in ground for cor. of
secs. 23, 24, 25 and 26,
marked with 2 notches on S.
and 1 notch on E. edges.
A mesquite 8 ins. diam. bears N 57° E
61 lks. dist. marked T. 21. S., R. 7 E.,
S. 24., B. T.
A mesquite 6 ins. diam. bears
S 39° E. 69 lks. dist. marked

R. 7. E.

continued

chains.

T. 21. S., R. 7. E., S. 25., B. T.

a. mesquite 7 ins. diam., bears
S 82½° W. 130 lks. dist. marked

T. 21. S., R. 7. E., S. 26., B. T.

a. Mesquite 14 ins. diam. bears
N 29° W. 61 lks. dist. marked

T. 21. S., R. 7. E., S. 23., B. T.

Land rolling and mountainous
soil gravelly; 2nd & 3rd rate.

Timber - a few mesquite & oak

Mountainous land 65, chs.

①. 89° 58' E on a random line
bet. secs. 24 and 25,
over rolling land

40.00 Set temp. ¼ sec. cor.

80.00 Intersect E. bdy. of Tp., 7 lks. S.

Subdivision of T. 21. C.

chains.

of Cor. of secs. 19, 24, 25 and 30.
 which is a granite stone
 5x14x8 ins. above ground,
 firmly set, marked and
 witnessed as described by
 the Surveyor General,
 Thence I run
 S 89° 59' W. on a true line
 bet. secs. 24 and 25.
 Over rolling land.

35.00 Wash, 5 lks. wide, course N.

40.01½ Set Granite Stone 18x12x10 ins
 13 ins. in ground for ¼ Sec. Cor.
 marked ¼ 24 on N. face, 25 on
 S. face.

a Mesquite 7 ins. diam. bears
 N 41¾° W. 152 lks, dist. marked
 ¼ S 24., B.T.

a mesquite 6 ins. diam. bears
 S. 79½° W 63 lks. dist. marked

R. 7 E.
chains.

Continued.

1/4 S 25. B.T.

- 50.00 Draw 6 lks. wide, course N.E.
 57.00 Enter valley, bears N.E.
 62.70 Enter dense mesquite undergrowth.
 62.80 Dry wash 15 lks. wide, course N.E.
 64.00 Leave dense undergrowth N & S
 64.50 Leave valley N.E.
 80.03 The cor. of secs 23, 24, 25 and 26.
 Land rolling.
 Soil, gravelly; 2nd rate.
 Timber - scattering mesquite
 Dense undergrowth 2.70 chs.

N. 0° 0' W. bet. secs 23 and 24,
 over rolling land.

- 18.00 Enter mesquite, bears E. and W.
 21.00 Leave mesquite, bears E. & W.

Subdivision of T. 21. S.

chains.

- 23.10 Dry wash 15 lks. wide, course E.
- 30.45 Road to arao ranch, bears E. & W.
- 40.00 Set granite stone 18x10x6 ins.
13 ins. in the ground, for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ 23 on W. face, 24 on
E. face.
- A Tescota 6 ins. diam. bears N50 $\frac{3}{4}$ E
141 lks. dist. marked T. 21. S., R7E,
 $\frac{1}{4}$ S 24., B.T. No other trees within
limits. dig pits 18x8x12 ins. N $\frac{1}{2}$ S. of Cor. 3 ft. dist.
Raise a mound of stones 2 $\frac{1}{2}$ ft.
base, 1 $\frac{1}{2}$ ft. high. W. of Cor.
- 41.00 Enter small valley, bears N E
- 46.00 Dry wash 20 lks. wide, course E.
- 52.00 Leave valley
- 59.80 Dry wash 3 lks. wide, course E.
- 68.20 Draw 8 lks. wide, " N.E.
- 72.00 Enter dense mesquite undergrowth
- 75.00 Leave dense mesquite E. & W.
- 77.00 Draw 15 lks. wide, course N.E.

R. 7. E

Continued.

chains

80.00

Set a Granite Stone 20x12x8 ins.
15 ins. in the ground for Cor. of
Secs. 13, 14, 23 and 24. marked
with 3 notches on S. and 1
notch on E. edges.

a mesquite 8 ins. diam. bears
N47 $\frac{3}{4}$ E, 42 lks. dist. marked
T. 21. S., R. 7. E., S 13., B. T.

a mesquite 6 ins. diam. bears
S78 $\frac{3}{4}$ E, 55 lks. dist. marked
T. 21. S., R. 7. E., S 24., B. T.

a mesquite 4 ins. diam. bears
N43 $\frac{1}{4}$ W. 46 lks. dist. marked
T. 21. S., R. 7. E., S. 14., B. T.

No other tree within limits.

Dig pit 18x18x12 ins. in Sec. 23,
and raise a mound of earth
3 ft. base, 1 $\frac{1}{2}$ ft. high, W. of Cor.
Land rolling. Soil gravelly 2nd rate
Timber mesquite

Subdivision of T. 21. R.

chains.

- $489^{\circ}59'E$ on a random line
 bet. secs. 13 and 24.
 40.00 Set Temp. $\frac{1}{4}$ sec. cor.
 80.05 Intersect. E. bdy. of Tp. 3 lks N
 of cor. of secs. 13, 18, 19 and 24,
 which is a granite stone
 $12 \times 12 \times 6$ ins. above ground, firmly
 set, marked and witnessed
 as described by the surveyor
 general.
 Thence I run
 West, on a true line
 bet. secs. 13 and 24,
 over level and rolling land.
 .05 Enter wash, course E,
 8.50 Leave wash,
 12.50 Dry wash 30 lks. wide, course S.W.,
 16.50 Road to arao ranch, bears N.E. & S.W.
 23.82 Wire fence, course N. & S.
 40.02 $\frac{1}{2}$ Set Granite Stone $18 \times 12 \times 12$ ins.

R. 7. E.

Continued

chains

13 inches in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 13 on
 N. face, 24 on S. face,
 dig pits 18x18x12 ins E. and W. of
 cor. 3 ft. dist. and raise mound
 of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

- 42.80 Wire fence, course S. 60° E. & N. 60° W.
 44.00 Leave valley, bears S E, and
 enter scattering mesquite
 47.10 Dry wash 20 lks. wide, course N.
 50.00 Wire fence course, N 40° E.
 52.90 Wire fence course, S 52° E.
 55.00 Leave valley, bears NE, & SW.
 80.05 The cor. of secs. 13, 14, 23 and 24.
 Land level and rolling
 soil sandy & gravelly 2nd rate
 Timber - scattering mesquite.

Subdivision of T. 21 N.

chains.

- N. 0° 0' W. bet Secs 13 and 14,
over rolling land, through
scattering mesquite
- 13,50 Leave scattering mesquite
- 13,90 Descend & enter valley, course E.
- 17,20 Dry wash 20 lks. wide, course E.
- 21,60 Draw 40 lks. wide " E.
- 32,00 ascend and leave valley
- 34,20 Top of ridge, bears E & W.
- 38,00 Gulch 8 lks. wide, course E.
- 40,00 Set Granite Stone 18x18x6 ins.
13 inches in the ground for $\frac{1}{4}$ sec.
Cor. Marked. $\frac{1}{4}$ 14 on W. face,
13 on E. face, and raise a
mound of stone 2 $\frac{1}{2}$ ft. base
1 $\frac{1}{2}$ ft. high, W of Cor. no trees
within limits. Pits impracticable.
- 42,00 Gulch 10 lks. wide, course S.E.
- 55,10 Dry wash 8 lks. wide, course E.
- 65,46 Road, " bears E. & W.

R 7 E.

Continued

chaus

- 73.00 Draw 20 lks. wide, course E.
- 76.75 Wash 6 lks. wide, course S.E.
- 80.00 Set Granite Stone 18x12x8 ins.
13 inches in the ground for Cor.
of Secs. 11, 12, 13 and 14.
marked with 4 notches on
S. and 1 notch on E. edges,
and raise a mound of stone
2½ ft. base, 1½ ft. high W.
of Cor. Pits impracticable.
Land rolling.
soil gravelly, 2nd rate
Timber - scattering mesquite.

East on a random line
bet. Secs. 12 and 13.

- 40.00 Set Temp. ¼ Sec. Cor.
- 80.04 Intersect E. bdy. of Tp. 3 lks.
S. of cor. of Secs. 7, 12, 13 and 18.
which is a granite stone

Subdivision of T. 210.

chains

15x15x4 ins. set 10 inches in the ground, marked and witnessed as described by the surveyor general.

Thence I run

S. 89° 59' W. on a true line bet secs. 12 and 13, over rolling land.

4.00 Dry wash 3 ch. wide, course S.E.

40.02 set Granite stone 18x12x7 ins. 13 inches in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 12. on N. face 13 on S. face.

a mesquite 10 ins. diam. bears S 59° W. 29 lks. dist. marked $\frac{1}{4}$ S. 13., B.T.

a mesquite 12 ins. diam. bears N $1\frac{1}{4}$ ° W. 133 lks. dist. marked

$\frac{1}{4}$ S. 12., B.T.

42.00 wash 100 lks. wide, course S.E.

R. T. E.

Continued

chains

50.90 Wash 80 lks wide course N.E.
 40.00 Road, bears N.E. and S.W. S.E.
 80.04 The cor. to secs. 11, 12, 13 and 14.

Land rolling.

soil gravelly - 2nd rate

Timber - some mesquite.

N. $0^{\circ} 01' W$. bet secs 11 and 12.
 over rolling land.

3.50 Dry wash 20 lks wide, course E.

27.75 Dry wash 40 lks wide, course E.

40.00 Set Granite stone 18x8x6 ins,
 13 inches in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 11.
 on W. face, 12 on E. face.
 A Mesquite 8 ins. diam bears
 N $45\frac{1}{2}^{\circ}$ E. 276 lks. dist. marked
 $\frac{1}{4}$ S 12. B.T.

No other tree within limits.
 and raise mound of stone
 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of Cor.

Subdivision of T. 21. O.

chains.

Pits unpracticable.

- 41.00 Dry wash 30 lks. wide, course E.
 70.80 Dry wash 60 lks. wide, course SE.
 80.00 Set Granite stone $18 \times 12 \times 6$ ins.
 13 inches in the ground for Cor.
 of secs. 1, 2, 11 and 12, marked
 5 notches on S., and 1 notch
 on E edges. dig pits $18 \times 18 \times 12$ ins.
 in each sec. $5\frac{1}{2}$ ft. dist. and
 raise mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor.
 a Tescata 6 ins. diam. bears
 $S 63^{\circ} W. 303$ lks. distant.
 marked T. 21. S., R. 7. E., S. 11., B. T.
 No other trees within limits.
 Land, rolling.
 soil, gravelly; 2nd rate.

Timber - a few scattering mesquite

R. T. E.

Continued

chains.

N 89° 59' E, on a random line
bet secs. 1 and 12.

40.00 set temp. $\frac{1}{4}$ sec. cor.

80.00 intersect E. bdy. of Tp. 2 lks.
N. of cor. of secs. 1, 6, 7 and 12.

which is a granite stone
6 x 10 x 4 ins. above ground.

firmly set, marked and
witnessed as described by
the surveyor general.

Thence I run

West, on a true line
bet. secs. 1 and 12.

Over rolling land.

8.30 Road, bears NW. & SE.

40.00 set granite stone 18 x 12 x 10 ins.
13 inches in the ground for

$\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 1. on
N. face, 12 on S. face.

dig pits 18 x 18 x 12 ins E. & W.

Subdivision of T. 21, O.

chains

- of Cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of Cor.
- 46.00 old road, bears N. + S.
- 80.00 Cor. to secs. 1, 2, 11 and 12.
Land, rolling.
soil - gravelly loam; 2nd rate.
No timber, - good grass.
-
- N $0^{\circ} 01' W$. bet. secs. 1 and 2
Over gently rolling land.
- 40.00 Set Granite stone $18 \times 10 \times 7$ ins
 13 ins in the ground for $\frac{1}{4}$ sec
Cor.; marked $\frac{1}{4}$ 2 on W. face,
1 on E. face. dig pits $18 \times 18 \times \frac{1}{2}$ ins.
N. and S. of Cor. 3 ft. dist. and raise
mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, W. of Cor.
- 55.50 old road, bears NW. + SE.
- 64.00 Road, bears NW. + SE.

R. T. E.

No. 936

BOOK 936

27

continued.

chains

77.69

Wire fence, bears $N. 61\frac{1}{2} W.$ & $S. 61\frac{1}{2} E.$

77.84

Intersect 4th Standard Parallel
South, 1.78 chs. E. of Standard

Cor. of secs. 35 and 36, as
heretofore described by me.

Set a granite stone $18 \times 12 \times 6$ ins.

13 inches in the ground, for
closing cor. of secs 1 and 2.

marked C.C. on S.; with

1 groove on E., and 5 grooves on

W. faces; dug pits $24 \times 18 \times 12$ ins.

crosswise on each line, E & W,

3 ft. and S. of stone, 7 ft. dist;

and raised a mound of

earth, 4 ft. base, 2 ft. high S.

of cor.

Land gently rolling.

No timber - good grass.

Oct 15-16-1899

Note: - Before I could close

Subdivision of T. 21. 0.

chain.

sec. line bet. secs 1 and 2. on
4th standard it was necessary
to resurvey a portion of said
standard through Range 7. E.

Oct 17th 1899. 7.10 a.m. I set
off $31^{\circ}34'$ on the lat. arc;
 $9^{\circ}19'30''$ on decl. arc; and determine
a true meridian with the
solar, at the corner of secs.
34, 35 2 and 3 on S. bdy of the
Tp. which is a granite stone
 $18 \times 12 \times 6$ ins. above ground, finally
set as heretofore described
by me.

Thence I run
 $N 0^{\circ}01' W$ bet. secs. 34 and 35.
descending.

3.00 Gulch 4 lks. wide, course easterly.

R. T. E.

Continued

chains.

ascending

7.50 Top of Mt.; descend N. slope.

24.40 Gulch 100 lks. wide, course
South Easterly; ascend S.W. slope40.00 Set Granite stone 18x18x8 ins.
13 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ 34
on W. face, 35 on E. face,
and raise a mound of stone
 $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Rits impracticable.

45.00 Top of ridge, bears NW. + SE.

48.00 Gulch 10 lks. wide, course Easterly
ascend.

51.00 Top; descend.

57.00 Gulch 4 lks. wide, course Easterly;
ascend.

62.00 Top of high point.

64.75 Descend

Subdivision of T 21 @

Chains

- 65.50 Edge of Cañon S edge
- 66.00 N. edge of Cañon, course Easterly, descending gradually
- 77.60 Dry wash 10 lks. wide, course E.
- 79.90 Dry Wash 10 lks. wide, course Easterly
- 80.00 Set a Granite Stone 18x12x6 ins. 13 inches in the ground, for Cor. of secs. 26, 27, 34 and 35. marked with 1 notch on S. and 2 notches on E. edges. and raise a mound of stone 2½ ft. base 1½ ft. high, W. of Cor. Pits impracticable.
- Land mountainous
 Soil - gravelly & rocky 3rd & 4th rate
 Timber - a few mesquite - undergrowth, Ocotillo & Yucca.
 Mountainous land 80. chs.

R. 7 E.

Continued

chains.

- East, on a random line
bet Secs. 26 and 35.
- 40.00 set temp. $\frac{1}{4}$ sec. cor.
- 80.00 intersect N and S. line, 4 lks. N. of
cor. of secs. 25, 26, 35 and 36;
Thence I run
N. $89^{\circ} 58' W.$, on a true line
bet. secs. 26 and 35.
- 3.60 Gulch 4 lks. wide, course S. Easterly
- 23.40 Draw 10 lks. wide, course S. East.
- 31.00 Gulch 20 lks. wide, course Easterly
- 27.00 Gulch 20 lks. wide, course Easterly
- 40.00 set a Granite Stone $15 \times 10 \times 6$ ins.
13 inches in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ 26 on N. face
35 on S. face.
A mesquite 8 ins. diam. bears
N $45\frac{1}{2}^{\circ}$ E. 221 lks. dist. marked
 $\frac{1}{4}$ S. 26, B.T.

Subdivision of T 21. 0.

chains.

- An Oak 6 ins diam. bears
 S. $84\frac{1}{2}^{\circ}$ W. 255 lks. dist. marked
 $\frac{1}{4}$ S 35, B.T. and
 raise a mound of stones $2\frac{1}{2}$
 ft. base. $1\frac{1}{2}$ ft. high. N. of Cor.
- 50.00 Gulch, S and E. 10 lks wide.
- 62.50 Dry Wash 10 lks. wide, course N.
 thence Easterly; ascend over
 smooth land.
- 80.00 The Cor. of secs. 26, 27, 34 and
 35.
 Land mountainous.
 Soil - gravelly & rocky 2nd 3rd & 4th rate
 Timber - a few oaks & mesquite.
 Mountainous land 80. chs.
- N. $0^{\circ}01'$ W. bet. secs. 26 and 27.
 Over rolling and mountainous land.
- 10.75 Dry Wash 4 lks. wide course Easterly

R. 7 E.

BOOK 936
Continued.

33

chains.

17.40 Dry Wash 10 lks. wide, course Easterly

26.15 Draw 20 lks. wide, course Easterly

29.40 Junction of washes 20 lks. Easterly.

40.00 Set a Granite stone 18x18x8 ins.

13 inches in the ground for $\frac{1}{4}$

sec. Cor. marked $\frac{1}{4}$ 27 on
W. face, 26 on E face.

An Oak 8 ins. diam. bears S 50 $\frac{1}{2}$ E

568 lks. dist. marked

$\frac{1}{4}$ S 26, B.T.

A mesquite 6 ins. diam. bears

S 63 $\frac{1}{4}$ W. 507 lks. dist. marked

$\frac{1}{4}$ S 27, B.T.

dig pits 18x18x12 ins. N. and S.

of Cor. 3 ft. dist.; and raise a

mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft.

high. W. of Cor.

50.40 Dry wash, 10 lks. wide, course Easterly

52.50 Dry wash 6 lks. wide, course S. Easterly;

Subdivision of T210.

chains.

- 54.80 Top of ridge, bears E & W. ascend.
- 59.60 Wash 80 lks. wide, course Easterly ascend
- 65.40 Dry wash. 4 lks. wide, course S. Easterly
- 71.50 Top of W. slope of ridge. bears E & W.; descend
- 80.00 Set a Granite Stone 18x6x6 ins. 13 inches in the ground, for Cor. of Secs. 22, 23, 26 and 27. marked with 2 notches on S. and 2 notches on E. edges. An oak 10 ins. diam. bears N43°2E. 302 lks. dist. marked T21S, R7E., S23., B.T.
- An Oak 6 ins. diam. bears S57½°E. 305 lks. dist. marked T21S, R7E., S26., B.T.
- An oak 6 ins. diam. bears S33°W. 238 lks. dist. marked T21S, R7E., S27., B.T.

R. Y. E.

Continued

chains.

An Oak 12 ins. diam., bears N 14° W.
409 lks. dist. marked T21S, R7E,
S. 22, B.T. raise a mound of
stone 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high
W. of Cor.

Land rolling and mountainous
Soil, gravelly & sandy, 1st 2nd + 3rd rate
Timber - some scattering oak
and mesquite

Mountainous land 27.50 chs.

S89 $^{\circ}$ 58'E on a random line
bet. Secs. Secs. 23 and 26
over level rolling land.

40.00 set temp. $\frac{1}{4}$ sec. cor.

80.00 intersect N. and S. line, 4 lks. S.
of Cor. of Secs. 23, 24, 25 and 26.
Thence I run

West, on a true line

Subdivision of T 21 E.

chains

- bet. secs. 23 and 26
over level and rolling land
- 30.20 Dry wash 3 lks. wide, course N.
- 40.00 set a Granite Stone 18x12x7 ins.
13 inches in the ground for $\frac{1}{4}$ sec.
Cor. marked $\frac{1}{4}$ 23 on N. face
26 on S. face.
A mesquite 6 ins. diam. bears
N 59° E. 186 lks. dist. marked
 $\frac{1}{4}$ S 23., B.T.
- A mesquite 14 ins. diam. bears
S 65 $\frac{3}{4}$ ° W. 140 lks. dist. marked
 $\frac{1}{4}$ S 26., B.T.
- Bataguiuari Peak bears N 0° 30' E.
cattle corral, with water, 3 chs. N.
- 45.50 Adobe House, 30 lks. S.
- 46.30 Adobe House 3. chs. N.
- 49.50 Road, near NE. & SW.
- 50.20 Dry Wash 30 lks. wide, course NE.

R. Y. E.

continued

chains

ascend

- 50.40 Enter Corral, bears NW. & SE.
- 52.30 Leave Corral .. NE. & SW.
- 56.15 Wire fence bears N. Westerly & S. Easterly
- 59.25 S.E. Cor. of Antonio Arco House, bears
N 39° E 195 lks. dist.
Windmill bears S 44 $\frac{3}{4}$ ° E. about
4. chs.
- 59.80 Dry wash 20 lks. wide, course NE,
- 60.00 Trail, bears S. Easterly & N. Westerly
- 71.20 Gulch 3 lks. wide, course N.
- 74.25 Top of ridge bears N & S.; descend
Adobe House bears N 72 $\frac{1}{4}$ ° E about
20. chs.
- 75.50 Gulch 6 lks. wide, course N; ascend
- 78.00 Top of ridge, bears N & S; descend
- 80.00 The cor. of secs. 22, 23, 26 and 27.
Land-level - rolling - & Mountainous.
Soil - gravelly; - 2nd & 3rd mte.

Subdivision of T. 21. @.
chains.

Timber. some mesquite and oaks.

Mountainous land, 29,80 chs.

Oct 17, 1899.

N 0° 01' W bet. secs. 22 and 23.

Over mountainous land, descending

3,20 Wire fence, bears E & W.

8,00 Dry Wash, 30 lks. wide, course W.
ascend.

10,30 Top of ridge, bears E & W.

16,00 Enter Gulch, course N.

18,00 Leave Gulch, course E

18,30 Draw 30 lks. wide, course E.

31,50 Wire fence bears E & W

34,00

Dry wash 30 lks. wide, course W.; ascend

40,00 Set a Granite Stone 18X12X6 ins.

13 inches in the ground for
¼ sec. Cor.

marked ¼ 22 on W. face, 23
on E. face

R. Y. E

continued

chains.

a mesquite 6 ins. diam. bears
 S. 47 $\frac{1}{2}$ ° W. 142 lks. dist., marked
 $\frac{1}{4}$ S 22, B.T.

a mesquite 14 ins. diam. bears
 S 57 $\frac{3}{4}$ ° E. 135 lks. dist., marked
 T 10, 978 $\frac{1}{4}$ S 23, B.T.

49.50 Top of ridge, bears NW & SE,
 descend steep.

53.00 Dry wash 10 lks. wide, course S E.
 ascend

60.00 Top of ridge, bears E & W.
 descend.

66.10 Dry wash, 10 lks. wide, course E.; ascend

69.00 Top of ridge, bears E & W.; descend

72.00 Foot; ascend

75.40 Top of ridge, bears N & S.; descend

80.00 Set a granite stone 18x10x8 ins.
 13 inches in the ground for
 Cor. of secs. 14, 15, 22 and 23.

Subdivision of T. 21. E.

chains.

marked with 3 notches on S
and 2 notches on E edges;
An oak 10 ins. diam. bears
 $N48\frac{1}{4}^{\circ}E$ 158 lks. dist. marked
T 21 S., R 7 E., S. 14., B. T.

An oak 10 ins. diam. bears
 $S.40^{\circ}E$ 30 lks. dist. marked
T 21 S., R 7 E., S. 23., B. T.

an oak, 18 ins. diam. bears
 $S83^{\circ}W$ 128 lks. dist. marked
T 21 S., R 7 E., S. 22., B. T.

An oak 7 ins. diam. bears
 $N70\frac{1}{2}^{\circ}W$ 160 lks. dist. marked
T. 21 S., R 7 E., S 14., B. T.

Land mountainous
soil-gravelly, 2nd & 3rd rate
Timber - scattering oak and
mesquite. - good grass.
Mountainous land 80. chs.

R. Y. E.

Continued.

chains

East, on a random line
bet. secs. 14 and 23.

Through scattering mesquite.

40.00 set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N and S line, 5 lks.
S. of cor. of secs 13, 14, 23 and 24.

Thence I run $S 89^{\circ} 58' W$

~~bet. secs. 14 and 23.~~
Through scattering mesquite

20.00 Leave scattering mesquite

22.50 Road, bears N. & S.

31.80 Gulch, 10 lks. wide, course N. Easterly
ascend

39.98 set a Granite stone, $8 \times 2 \times 8$ ins.
13 inches in the ground for
 $\frac{1}{4}$ sec. cor. marked, $\frac{1}{4}$ 14 on
N face, 23 on S. face, and
raise a mound of stone
 $2\frac{1}{2}$ ft. base. $1\frac{1}{2}$ ft. high, N. of
cor.

Subdivision of T. 21. ©.

chains.

- 51.00 Top of ridge, bears E & W.
descend.
- 59.80 Gulch 6 lks wide, course N.
ascend.
- 63.50 Top of ridge, bears N & S.
descend.
- 71.50 Gulch 20 lks wide, course N.
ascend.
- 73.00 Top of ridge, bears E & W.
descend.
- 79.96 The cor. of secs. 14, 15, 22 and 23.
Land mountainous.
soil; - gravelly; - 2nd & 3rd rate.
Timber. scattering mesquite
and oak.
Mountainous land 47.80 chs.

R. Y. E.

Continued

chains

- N^o 01' W. bet. secs. 14 and 15.
Through scattering oak.
- 0.34 Dry Wash, 8 lks wide, course E
ascend.
- 8.80 Gulch 4 lks. wide, course Easterly
- 12.00 Top of ridge, bears E & W.
descend.
- 28.40 Gulch 30 lks. wide, course E.
Junction of gulches 1. ch. W.
- 33.00 Enter Gulch, course S, Easterly
- 35.40 Leave Gulch, " "
- High Bluff 1. ch W. bears N & S.
- 40.00 Set a sand stone 22x10x10 ins.
15 ins. in the ground for 1/4
sec. cor. marked 1/4 15 on
W. face, 14 on E. face,
an oak 24 ins. diam. bears
S 59° W. 291 lks. dist. marked
1/4 S 15, B.T.
dip pits: 18x18x12 ins. E & W. of cor. 3 ft. dist; and

Subdivision of T. 21. 0.

chains.

~~pts~~

raise a mound of stone
 2½ ft. base, 1½ ft. high, W.
 of Cor. ~~its importance~~
 No other tree within limits.
 Leave scattering oak and
 enter scattering mesquite
 and rolling land.

- 44.70 Dry wash, 4 lks. wide, course Easterly
 64.75 Dry wash, 15 lks. wide, course Easterly
 74.90 Wood Road, bears N. Westerly & S. Easterly
 80.00 Set a Granite stone 18 x 8 x 6 ins.
 13 inches in the ground for
 cor. of Secs. 10, 11, 14 and 15,
 marked with 4 notches on S,
 and 2 notches on E, edges;
 an oak 14 ins. diam. bears
 N 18¾ E. 92 lks. dist. marked
 T. 21. S., R 7 E., S. 11, B. T.
 an oak 6 ins. diam. bears

R. T. E.

Continued

chains.

S $87\frac{1}{2}^{\circ}$ E, 28 lks, dist, marked
T 21 S., R 7 E., S 14., B.T.

An oak 24 ins, diam, bears
S. 44° W, 66 lks, dist, marked,

T 21 S., R 7 E., S 15., B.T.

An oak 14 ins, diam, bears

N $61\frac{1}{2}^{\circ}$ W, 6 lks, dist, marked

T 21 S., R 7 E., S 10., B.T.

Esteban arros Well, bears N $21\frac{1}{4}^{\circ}$ W.

Land mountainous and
rolling.

Soil - gravelly; 2nd & 3^d rate

Timber - scattering oak
and mesquite.

Mountainous land 40. chs.

Subdivision of T. 21, O.
chains.

- N 89° 58' E, on a random line
bet. Secs. 11 and 14.
- 40.00 set Temp. $\frac{1}{4}$ sec. cor.
- 79.92 intersect N. and S. line 2 lks.
S. of Cor. of secs 11, 12, 13 and 14.
Thence I run S 89° 57' W.
~~bet. Secs 11 and 14~~
Over rolling land.
- 34.00 descend.
- 39.96 set a Sand Stone 18x10x6 ins.
13 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ 11 on N. face
14 on S. face. dig pits 18x8x2 ins.
E. & W. of Cor. 3 ft dist. and raise
a mound of earth 3 $\frac{1}{2}$ ft. base,
1 $\frac{1}{2}$ ft. high, N. of Cor.
- 40.40 Dry Wash, 10 lks. wide, course N. Easterly;
ascend.
- 42.82 Dry Wash 4 lks. wide, course S. Easterly
- 50.00 Top of ascent; bears NE & SW;
enter scattering mesquite

R. Y. E

Continued

- Chamiso wood
 52.10 Road, bears NW. & SE,
 descend.
- 64.00 Dry wash, 4 lks. wide, course Southerly
- 68.50 Dry wash, 30 lks. wide, course S, Easterly
- 74.85 E. edge of cañon
- 76.00 W. edge of cañon, course S, Easterly.
- 79.70 Top of ascent
- 79.92 The Cor. of Secs. 10, 11, 14 and 15.
 Land - rolling
 soil - gravelly, 2nd & 3rd rate
 Timber - scattering mesquite
 and oak.

Oct 18. 1899.

N 0° 0' W. bet. Secs. 10 and 11,
 over rolling land.
 Descend

- 0.50 Foot, enter flat.
- 2.00 Dry wash, 4 lks. wide, course Easterly

Sub-division of T. 21. 0.

chains.

- 13.30 Enter dry creek, course
S. Easterly
- 14.95 Leave dry creek, course S. Easterly
- 24.00 Esteban arros Well, bears S. 60° W.
- 33.00 Road, bears NW. & SE.
- 36.40 Dry Wash, 4 lks. wide, course SE
- 40.00 Set a Granite Stone 20x12x6 ins.
14 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ 10 on W. face
11 on E. face.
a mesquite 12 ins. diam. bears
S 86° E. 214 lks. dist. marked,
 $\frac{1}{4}$ S 11, B.T. No.
other trees within limits.
dig pits 18x18x12 ins N. and
S. of Cor. 3 ft dist. and raise
a mound of earth 3 $\frac{1}{2}$ ft base
1 $\frac{1}{2}$ ft. high W. of Cor.
- 43.00 Enter scattering mesquite

R. Y. C.

Continued

chains.

- 51.00 Leave scattering mesquite.
- 57.00 Enter dry wash, course S. Easterly
- 58.60 Leave " " " "
- and enter gently rolling land
- 80.00 Set a Granite Stone 18x7x6 ins.
13 inches in the ground, for cor.
of Secs. 2, 3, 10 and 11.
marked with 5 notches on S.
and 2 notches on E. edges.
dig pits 18x18x12 ins. in each
sec. 5 1/2 ft. dist. and raise a
mound of earth 4ft base 2ft.
high. W. of Cor.
Land rolling.
soil - sandy and gravelly;
2nd & 3rd rate.
Timber, - oak and mesquite.

Subdivision of T. 21, C.
chains.

- N $89^{\circ}59'E$ on a random line
bet secs. 2 and 11.
- 40.00 set temp. $\frac{1}{4}$ sec. cor.
- 79.92 Intersect. N. and S. line, 3 lks.
N. of of Cor. to secs. 1, 2, 11 and 12.
Thence I run,
West, on a True line
bet secs. 2 and 11,
over level and rolling land.
- 5.00 Dry wash, 50 lks. wide, course
S. Easterly.
- 10.60 Dry wash, 6 lks. wide, course S.
- 16.60 Draw 40 lks. wide, course S, Easterly
- 18.30 Draw 30 lks. wide, course S, Easterly
ascend gradually.
- 39.96 Set a granite Stone $18 \times 10 \times 6$ ins.
13 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ 2 on
N. face 11 on S. face.

P 7 C

Continued

chains.

dig pits 18x18x12 ins. E. and
 W. of cor. ^{3 ft. dist.} and raise mound
 of earth, 3 1/2 ft. base 1 1/2 ft. high.
 N. of cor.

- 41.60 Top of mesa, bears NW. & SE.
 57.00 Snow, 20 lks. wide bears S. Easterly
 79.92 The cor. to secs. 2, 3, 10 and 11.
 Land rolling & level,
 soil; - 2nd rate.
 Timber - a few mesquite

N 0° 01' W bet. Secs. 2 and 3,
 over gently rolling land.

36.20 Enter wash, course Easterly

37.00 Leave wash, " "
 ascend

39.10 Dry wash 6 lks. wide, course
 S. Easterly

40.00 Set a Porphyry stone 18x6x6 ins.

Subdivision of T. 21, R.
chains.

- 13 inches in the ground for
1/4 sec. cor. marked 1/4 3.
on W. face, 2. on E face.
and raise a mound of
stones 2 1/2 ft. base 1 1/2 ft.
high W. of cor.
Pits impracticable.
- 48.20 Top of ridge, bears E & W.
descend.
- 54.00 @ Bank
- 55.50 Bottom of dry creek 20 lks. wide,
course easterly
- 56.50 Top of N. Bank
ascend.
- 70.30 Top of ridge, bears NW. & SE.
descend.
- 77.80 Intersect 4th Standard
Parallel South, 1.82 chs
E. of standard cor. of secs.

R. Y. C.

continued

chains

34 and 35, as heretofore described by me.

Set a Granite Stone $18 \times 12 \times 6$ ins. 3 ins. in the ground, for closing corner of Secs. 2 and 3, marked C.C. on S.; with 2 grooves on E.; and 4 grooves on W. faces; and raise a mound of Stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of Cor. Pits impracticable.

Land rolling,

soil - gravelly, 3rd rate,

Timber - a few mesquites.

Oct 20th at 7.20 a.m. t.

I set off $31^{\circ}34'$ on the lat. arc; $10^{\circ}24'$ on the decl. arc; and determine a true meridian

Subdivision of T. 21. 0.
chains.

with the solar, at the cor.
of secs. 3, 4, 33 and 34. on
S. bdy of Tp, which is a
granite stone 20x2x6 ins.
above ground, firmly set,
as heretofore described by
me.

Thence I run
N 0° 02' W. bet. secs. 33 and 34.
over mountainous land.
descend.

- | | |
|-------|---|
| 0.50 | Gulch 10 lks. wide, course S. Easterly
along S. and E slope of Mt. |
| 5.00 | Gulch 10 lks. wide, course S. Easterly |
| 20.00 | Top of ridge, descend |
| 37.50 | Gulch 20 lks. wide, course Easterly |
| 39.50 | Gulch 20 lks. wide, course Easterly |
| 40.00 | 1/4 cor. pt. on N. bank. |
| 41.00 | W.C. set a granite stone |

R. Y. E.

Continued

chains

18 x 10 x 6 ins, 13 ins, in the ground, for Witness Cor. to $\frac{1}{4}$ sec. cor., marked W.C. $\frac{1}{4}$ S³³ on w. face;; 34. on E. face, and raise a mound of stone 2 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, W. of Cor.

50.00

Gulch ^{10² ft. wide}, course S, Easterly, ascend.

57.00

Top of ridge, bears NW & SE,

64.00

Gulch 10 lks. wide, course E, ascend

73.50

Ridge, bears NW & SE.

76.00

Rovine, course S, Easterly

80.00

A Granite stone, in place 30 x 30 x 24 ins, marked with a +. The Cor. of Secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges.

Subdivision of T. 21. 0.
chains.

and raise a mound of stones
2½ ft. base 1½ ft. high. W. of Cor.
Pits impracticable.

Land mountainous.

Soil - gravelly & rocky;
3rd & 4th rate.

Timber, - a few oaks and
mesquite, - undergrowth - sotilla
and yucca.

Mountainous land 80. chs.

East, on a random line
bet. Secs 27 and 34.

40.00 set Temp. ¼ sec. cor.

79.92 Intersect N. and S. line 4 lks. S
of Cor. of secs. 26, 27, 34 and
35.

Thence I run

S89°58'W, on a true line

R. 7 E.

Continued.

Edams.

- bet. secs 27 and 34,
over mountainous land
ascending. south slope.
- 5.00 Top of slope; thence descend along
S. slope.
- 10.00 along E. slope
- 18.50 Gulch 6 lks. wide, course NE,
ascend
- 24.50 Trail, bears NE & SW.; top of
ridge, bears NE & SW.; descend.
- 28.70 Gulch 6 lks. wide, course N. Easterly,
ascend
- 37.50 Bluffs 20 ft. high bears N. & S.
- 39.96 Set a Granite Stone, 18x10x6 ins.
13 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ 27 on N. face, 34 on S. face;
and raise mound of stones 2 $\frac{1}{2}$ ft. base,
1 $\frac{1}{2}$ ft. high. N. of cor.
Babogivari Peak, bears N 4 $\frac{1}{2}$ ° E.

Subdivision of T. 21 S. R. 7 E. continued.

chains.

ascend

39.00 Top of W. slope, bears E & W.

40.00 Set a Granite stone 18x12x6 ins.
13 inches in the ground for $\frac{1}{4}$ sec.
Cor. marked $\frac{1}{4}$ 28 on W. face,
27 on E. face.

a Black oak 6 ins. diam. bears
W. 81 lks. dist. marked.

$\frac{1}{4}$ E. $\frac{1}{4}$ S 28., B.T. no other
tree within limits.

raise a mound of stone
 $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of
Cor. Pits impracticable.

45.00 descend.

46.75 Trail, bears NE & SW.

52.40 Gulch, course westerly,
ascend.

54.50 Top of ridge, bears E. and W.
descend