

T13 S R 10 E
(SUBDIVISIONS)

CONTRACT 104

PH. CONTZEN

U. S. DEP. SUR

No. 786

1.

BOOK 786

4-671

FIELD NOTES
GENERAL LAND OFFICE.

786

G.

Ried
8/3/03

Descriptive photo. made by
C. M. T. 2/15/1904

Copied Nov 23/03 W.H.J

Label for examination 10/12/03

orig. for - made 12/10/03 T. a

Confused J. G. M. G. 3/11/04

included Q. O. M. G. July 12/04

Field Notes
of the survey of the
Subdivision Lines
of
Township No. 13 North,
Range No. 10 East
of the
Tule and Salt River Basins and Meridian
in the
Territory of Arizona
As surveyed by
Philip Conzern
U. S. Deputy Surveyor
Under his contract No. 104
Dated November 15, 1902.

Survey commenced April 17, 1903
Survey completed April 25, 1903.

1A

BOOK 786

BOOK 787

Preliminary oaths in Book
A - Exts. of 714 S. R. 11 E

2	70	4	77	4	59	3	41	2	23	1		
-	103	+	101	+	76	+	57	+	40	+	20	-
7	99	8	74	9	56	10	38	11	18	12		
-	97	+	96	+	73	+	54	+	36	+	16	-
18	94	17	71	16	52	15	35	14	15	13		
-	92	+	91	+	69	+	51	+	33	+	13	-
19	89	20	67	21	49	22	31	23	11	24		
-	88	+	86	+	66	+	48	+	30	+	9	-
30	84	29	64	28	46	27	28	26	7	25		
-	83	+	81	+	62	+	45	+	26	+	6	-
31	79	32	60	33	43	34	25	35	4	36		

Sunny commenced April 14, 1903, and
equipped with a Young and Sons light-
mountain transit, No 5607, with solar at-
tachment. The horizontal limb is pro-
vided 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
and declination arcs.

The instrument was examined, tested on
the true meridian at Phoenix, found
correct and was approved by the surgeon
general for Arizona, March 2, 1903.

Examined the adjustments of the transit
and correct the level and collimation er-
rors; then, to test the solar apparatus
by comparing its indications, resulting
from solar observations made during a m-
noon hour, with a meridian determined

by observations on Polaris, & proved as follows:

At the cor of sves 1, 2, 35 and 36, on the S bdy of the Sp, as heretofore described, latitude $32^{\circ}15' N$, longitude $111^{\circ}16'56'' N$, Port off $32^{\circ}15' N$ on the lat arc, $9^{\circ}15' N$ on the decl arc, and at $4^h 00^m$ p.m., I m.t. determined with the solar meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs N of the cor.

At $5^h 43^m$ p.m., I m.t. I observe Polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs N of my station.

April 14, 1903.

April 5. At 7:30 a.m. I mt, I lay off the azimuth of Polaris $10^{\circ}25'$ to the east, and mark the meridian thus determined by cutting a groove on the stone set April 14, on which the meridian falls 0.3 ins east of the mark determined by the solar.

At 8^h 20^m a.m. I mt, I set off $32^{\circ}15'N$ on the lat arc, $9^{\circ}31'N$ on the decl arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs N of my station; this mark falls 0.3 ins east of the mark established by the Polaris observation.

The solar apparatus by pm and am observations, defines positions for meridians, respectively about 0.16" east and 0.16" west of the meridian as-

established by the solar observations, ^{adjustments of the} therefore I conclude that the instruments are satisfactory.

The magnetic bearing of the true meridian at 8^h 45^m a.m. is $113^{\circ}15'W$; the angle thus determined gives the magnetic decl. $13^{\circ}15'E$.

Thence I run

No. 1 W bet. secs 35 and 36

Over level land

Through dense greasewood

40.00 Set a mesquite post, 3 ft long, 4 in sq with marked stone 24 ins in the ground

Subdivision of S 13 S 16 10 E

Chain

Let $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 35 on N and
36 on E face, from which

A mosquito, 6 ins diam, bears S 81° E, 185 lbs
dist, marked $\frac{1}{4}$ S 36 B S.

A mosquito, 6 ins diam, bears N 41° W, 189 lbs
dist, marked $\frac{1}{4}$ S 35 B S.

8.70 Let a mosquito post, 3 ft long, 4 ins sq,
with marked staves 27 ins in the ground, for
cor of sec 25, 26, 35 and 36, marked
S 13 S 25 on NE

B 10 E S 36 on SE

S 35 on SW, and

S 26 on NW face with 1 notch on S and
E edges, from which

A mosquito, 6 ins diam, bears N 76 $\frac{1}{2}$ ° E, 295 lbs
dist, marked S 13 S 16 10 E S 25 B S.

A mosquito, 4 ins diam, bears S 77 $\frac{1}{2}$ ° E, 285 lbs
dist, marked S 13 S B 10 E S 36 B S.

A mosquito, 4 ins diam, bears S 50° N, 332

Submission of S 13 S 16 10 E

Charris

The dist marked S 13 S 16 10 E S 35 B S.
 A margin, 4 in diam, bears N 21° W, 2 1/2 ft.
 The dist marked S 13 S 16 10 E S 25 B S.
 Lund, Ind.

Soil, sandy, 2nd and 3rd rate.

Timber, scattering margin, undergrowth,
 grasswood, margin and tract.

Prize margin, 8000 lbs.

East, on a random line bet 5425 and 36.

4000

Set traps 1/4 sec cor.

2000

Intersect E. bdy of S 10 the S of the
 cor of 5425, 30, 31 and 36, which is a
 margin post, marked and witnessed
 as described by the surveyor general.

Thomas Penn

S 39° 56' W in a true line bet 5425
 and 36.

Over land land.

Subdivision of S 13 E, 16 10 E.

Chassis

Through dense grasswood.

3.52 Road, bars N. Westly and S. Eastly.

8.31 Sign, bars N. N. Westly and S. S. Eastly.

4.100 Set a magnetic point 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for 4 ore cr, marked $\frac{1}{4}$ S 25 on N and 36
on S face; from which

A magnetic, 4 ins diam, bars S 59° N, 348
lbs dist, marked $\frac{1}{4}$ S 36 13 S.

A magnetic, 5 ins diam, bars N 26° W,
128 lbs dist, marked $\frac{1}{4}$ S 25 13 S.

8.000 Str of ores 25, 26, 35 and 36.

Ground, bed.

Soil, sandy loam; end. rati.

Grass, scattered; magnetic; under-
growth, grasswood and trees.

Dense undergrowth, 8.000 lbs.

N. 0° W, bet ores 25 and 26.

Subdivision of S. D. S. No. 10 E.

Chains

Over level land.

Through dense grasswood.

3905 - Round brass North Westly and S. Eastly.

4000 Set a mosquito post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 22 on N and 25 on E face, from which

A mosquito, 4 ins diam, brass N 42 $^{\circ}$ W, 60 lbs dist, marked $\frac{1}{4}$ S 26 13 S.

A mosquito, 4 ins diam, brass S 83 $^{\circ}$ E, 46 lbs dist, marked $\frac{1}{4}$ S 25 B S.

8000 Set a mosquito post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for cor of 8000 23, 24, 25 and 26, marked S 13 S S 24 on N E,

N 106 S 25 on S E,

S 26 on S W, and

S 25 on N. W. face, with 2 notches on S

Subdivision of S 13 S R 10 E

Chains

and 1 notch on E. edge; from which

1 magenta, 4 ins chain, bears $N 71^{\circ} E$, 320

lbs dist, marked S 13 S R 10 E S 24 B P.

1 magenta, 4 ins chain, bears $S 16^{\circ} E$, 28 lbs

dist, marked S 13 S R 10 E S 25 B P.

1 magenta, 4 ins chain, bears $S 51^{\circ} W$, 222

lbs dist, marked S 13 S R 10 E S 26 B P.

1 magenta, 4 ins chain, bears $N 17^{\circ} W$, 435

lbs dist, marked S 13 S R 10 E S 23 B P.

Sound, brk.

Soil, sandy loam; 2nd rate.

Timber, scattering magenta; undergrowth,

magenta, trisetia and grasswood.

Dense undergrowth, s. 200 lbs.

$N. 89^{\circ} 50' E$ on a random line bet sees 24

and 25

4000 Set Lamp 4 sec cor.

80.14 Interior E edge of Sp 10 lbs N of the

Inclusion of S. S. R. 106

C. brains

one of ones 19, 24, 25 and 30, which is a
mosquito pit, marked and witnessed
as described by the surveyor general
Shaner & Co.

Prothon a tunnel bet ones 24 and 25.
Over level land.

Through dense undergrowth,

14.50 Soil, bare N. Easterly and S. Westerly.

46.07 Set a mosquito pit, 3 ft long, 4 ins sq,
with marked stem, 27 ins in the ground,
for $\frac{1}{4}$ sec on marked $\frac{1}{4}$ S 24 on N and
25 on S face; from which

A mosquito, 4 ins chain, bears S $69\frac{1}{2}^{\circ}$ W,
230 lbs dist, marked $\frac{1}{4}$ S 25 B S.

A mosquito, 4 ins chain, bears N $51\frac{1}{2}^{\circ}$ W,
425 lbs dist, marked $\frac{1}{4}$ S 24 B S.

80.14 The one of ones 23, 24, 25 and 26.

Level, level.

Soil, sandy loam, and water.

Subdivision of S 13 S 16 10 E

Chain

Timber scattering, mosquito; under-
growth, grasswood, mosquito and tree.

Druse undergrowth, 80.14 chs ^{90° 33'}
April 15: - At this cor. I set off ^{20° 32'} N. on the
decl. arc. and at ^{12 1/2 200} on it, observe sun
on the meridian; the resulting lat. is 82° 17' N

N 1/4th bet sec 23 and 24.

Over land land

Through druse undergrowth.

19.72 Trail, bears N. Easterly and S. Westerly.

4.000 Set a mosquito, post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for $\frac{1}{4}$ sec or, marked $\frac{1}{4}$ S 23 on N and 24
on S face from which

A mosquito, 4 ins diam, bears S 57 $\frac{1}{2}$ ° E, 184
lbs dist, marked $\frac{1}{4}$ S 24 B S.

A mosquito, 4 ins diam, bears N. 77 $\frac{1}{2}$ ° W,
376 lbs dist, marked $\frac{1}{4}$ S 23 B S.

54.10 Bond, bears N. Westerly and S. Easterly.

8.000 Set a mosquito, post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,

Chains

Subdivision of N 3 S, R 10 E

for one of secs 13, 14, 23 and 24, marked
S 13 S S 13 on N E,

R 10 E S 24 on S E,

S 23 on S W, and

S 14 on N W face, with 3 notches on S
and 1 notch on E face; from whichA mesquite, 6 ins diam, bears N $56\frac{1}{2}^{\circ}$ E, 247

lks dist, marked S 13 S R 10 E S 13 13 S.

A mesquite, 6 ins diam, bears S $22\frac{3}{4}^{\circ}$ E, 227

lks dist, marked S 13 S R 10 E S 24 13 S.

A mesquite, 4 ins diam, bears S 54° W, 289

lks dist, marked S 13 S R 10 E S 23 13 S.

A mesquite, 5 ins diam, bears N $25\frac{1}{4}^{\circ}$ W, 271

lks dist, marked S 13 S R 10 E S 14 13 S.

Level, level.

Soil, sandy loam; good water.

Timber, scattering mesquite; un-
dergrowth, mesquite, brodiaea and
grassweed.

Subdivision of S 13 & R 10 E

Chain

Dense undergrowth, 8000 chs.

East on a random line bet secs 13
and 24.

4000 Set trip $\frac{1}{4}$ sec 24.

8024 Entrance to edge of $\frac{1}{4}$ 15 lbs S of the west
13, 18, 19 and 24, which is a mesquite
post marked and entered as described
by the surveyor general.

Plumer & run

8954 Run a true line bet secs 13
and 24.

Over level land.

Through dense grass & wood.

256 Trail, runs N. N. Westward and S. S. Eastward.

31.24 Trail, runs Northward and Southward.

40.12 Set a mesquite post, 8 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for $\frac{1}{4}$ sec 24, marked $\frac{1}{4}$ S 13 on N and 24

Subdivision of S 13, 14, 23 &

Chains

and S fence, from which.

A mesquite, 8 ins diam, bears $N 33^{\circ} E, 350$
lbs dist, marked $\frac{1}{4}$ S 13 B 8.A mesquite, 4 ins diam, bears $S 59^{\circ} W,$
108 lbs dist, marked $\frac{1}{4}$ S 24 B 8.65.57 Trail, bears $N N. E$ westerly and $S. S. W$ easterly.

80.24 Show of trees 13, 14, 23 and 24.

Land, land.

Soil, sandy loam; 2nd rate.

Timber, scattering mesquite, undergrowth,
grasswood, mesquite and trees.

Dense undergrowth, 80.24 chs.

April 15, 1903.

April 16: At 7^h 20^m a.m. I met, I set off
 $32^{\circ} 18' N$ on the lat arc, $9^{\circ} 52' W$ on
 the decl arc, and determine a true
 meridian with the solar at the cor
 of trees 13, 14, 23 and 24.

Embryon of S 13 & 16 10 E

Chains

Shiner 3 run

N^o 11^o, bet sres 13 and 14.

Over land land.

Through small undergrowth.

4.000 Set a mosquito post, 3 ft long, 4 ins sq,
with marked stem 24 ins in the ground,
for $\frac{1}{4}$ sse or, marked $\frac{1}{4}$ S 14 on N^o and
13 on E face, from which

A mosquito, 6 ins diam, bears S 40° E, 315
lbs dist marked $\frac{1}{4}$ S 13 B S.

A mosquito, 4 ins diam, bears S 29 $\frac{1}{2}$ ° N,
334 lbs dist marked $\frac{1}{4}$ S 14 B S.

8.000 Set a mosquito post, 3 ft long, 4 ins sq,
with marked stem 24 ins in the ground,
for or of sres 11, 12, 13 and 14, marked
S 13 S S 12 on N E,
B 10 S S 13 on S E,

S 14 on S N^o, and

S 11 on N. W^o face, with 4 notches on

Subdivision of S. D. S. R. 10 E.

Chains

1 and 1 notch on E edge from which

1 mesquite, 4 ins diam, bears $71^{\circ}49' E, 259$

the dist, marked S 13 S R 10 E S 12 B S.

1 mesquite, 6 ins diam, bears $S 45^{\circ} E, 284$

the dist, marked S 13 S R 10 E S 13 B S.

1 mesquite, 5 ins diam, bears $N 43^{\circ} \frac{1}{4}' W,$

254 the dist, marked S 13 S R 10 E S 11

B S, no other trees within limits, size

pit $18 \times 15 \times 12$ ins, S. W. of post, $5^{\frac{1}{2}}$ ft

dist, and raise a mound of earth,

4 ft base, 2 ft high, N of cor.

bound hole.

Soil, sandy loam, end rate.

Timber scattering mesquite, meso-

quite, grasswood, and mesquite.

Undergrowth, 8000 lbs.

N. $89^{\circ}54' E$, on a random line bet 5000

12 and 13.

Subdivision of S 13 S 10 E

6 chains

4.00

lat camp 4 sec 10.

8.12

Enter east E. edge of Sec 5 thro N of the cor-
 of sec 7, 12, 13 and 18, which is a mag-
 netite post, marked and witnessed as
 directed by the surveyor general.

Shiner P 1000

S 89° 50' N, on a true line lat sec 12
 and 13.

Open land.

Shrub and grasswood.

10.00

Enter heavy magnetite timber and
 dense magnetite undergrowth, bear
 Northwesterly and Southerly.

11.12

Dry wash, 15 thro wide, course N. Westerly.

12.52

Soil, bears N. Westerly and S. Easterly.

14.72

Dry wash, 15 thro wide, course N. Westerly.

16.12

Dry wash, 20 thro wide, course N. Westerly.

22.07

Soil, bears N. Westerly and S. Easterly.

22.57

Dry wash, 15 thro wide, course N. Westerly.

Subdivision of S. 13 & R. 10 E.

Chassis

20.12 Grass heavy mesquite timber, grass
N. Westerly and S. Easterly.4006 Set a mesquite post, 3 ft long, 4 in top
with marked stem 24 in in the ground,
for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 12 on N. and 13
on S face, dig pits, 18 x 18 x 12 in, E
and W of post, 8 ft dist, and raise a
mound of earth, 3 $\frac{1}{2}$ ft base, 1 $\frac{1}{2}$ ft high,
N. of cor.

80.12 S in cor of secs 11, 12, 13 and 14.

Land, level.

Soil, sandy loam, 2nd rate.

Similar, mesquite, undergrowth, mes-
quite, grasswood and vesola.Heavily timbered or land covered with
dense undergrowth, 80.12 obs.N 0 $\frac{1}{2}$ W, bet secs 11 and 12.

Over level land.

Subdivision of P 13 S R 10 E.

Chain

Through house/micrographite.

4.00 Set a micrographite post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for 4 sec cor, marked $\frac{1}{4}$ S 11 on N end
12 on E face, from which

A micrographite, 8 ins diam, bears S $53\frac{1}{2}^{\circ}$ E, 407
lbs dist, marked $\frac{1}{4}$ S 12 B S.

A micrographite, 10 ins diam, bears S $22\frac{1}{2}^{\circ}$ W,
208 lbs dist, marked $\frac{1}{4}$ S 11 B S.

57.00 Enter ironwood Fenders, bears N. W. & S. E. centrally.

71.00 An ironwood 12 ins diam, on line,
which I mark with 2 notches on N
and S sides.

8.00 Set a micrographite post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for cor of secs 1, 2, 11 and 12, marked
S 13 S S 1 on N. E.,
N 10 E S 12 on S E.

Inclusion of V 13 S R 10 E

Chain

1. on S W end

2. on N. W. face, with 5 notches on S
and 1 notch on E edge, from which

4 in ironrod, 12 ins chain, bears N 47° E,

91 lbs dist, marked S 13 S R 10 E S 13 S.

4 in ironrod, 8 ins chain, bears S 69° E, 154

lbs dist, marked S 13 S R 10 E S 12 B S.

4 in ironrod, 10 ins chain, bears S 76½° N,

61 lbs dist, marked S 13 S R 10 E S 11 B S.

4 in ironrod, 5 ins chain, bears N 12¾° N,

327 lbs dist, marked S 13 S R 10 E S 2 B S.

Lead, lead.

Soil, sandy loam, end rock.

Similar, ironwood and scattering mus-
squito, undergrowth, grass and
mosses.

Dense undergrowth, 5000 ft.

N 89° 56' E, on a random line but 915
1 and 12.

Subdivision of S 13 S. R. 10 E.

Chains

4.000 Set camp $\frac{1}{4}$ sec enl.5.0.14 Anticrest E. edge of Sp 14 lbs N of the en
of acres 1, 6, 7 and 12, which is a mus-
quits part, marked and witnessed as
described by the surveyor general.

Placed 3 min

N 89° 58' W, on a true line bet acres 1
and 12.

Over level land.

Through dense grasswood.

14.04 Trail bears N. N. Westerly and E. S. Easterly.

22.84 Trail, bears N. Westerly and S. Easterly.

24.00 Trail, bears N. Westerly and S. Easterly.

24.40 Dry wash, 10 lbs wide, course N. Easterly.

26.00 Trail, bears Northerly and Southerly.

30.50 Dry wash 20 lbs wide, course N. Westerly,
enter musquits timber bears Northerly
and Southerly.

40.07 Set a musquits part, 3 ft long, 4 ins of,

Subdivision of P 3 S 10 E

Chains

- with marked stones, 24 ins in the ground,
for $\frac{1}{2}$ sec cor marked $\frac{1}{4}$ S 1 on N and 12
on S face, from which
- A magenta, 3 ins chain, bears S 25° E, 95
the dist. marked $\frac{1}{4}$ S 12 B S.
- A magenta, 4 ins chain, bears N 75° $\frac{1}{4}$ W, 35
the dist. marked $\frac{1}{4}$ S 1 B S.
- 46.00 To run magenta timber, bears Northwly
and Southwly.
- 72.00 Enter ironwood timber, bears Northwly
and Southwly.
- 80.14 S hr cor of secs 1, 2, 11 and 12.
Lund, barl.
Soil, sandy loam, 2nd water.
Timber, magenta and ironwood; un-
dergrowth, grasswood, magenta and
tassota.
Dense undergrowth 80.14 chs.

Subdivision of S 13 S 16 10 E

Chain

N 01° N, on a random line bet sees 1 and 2.

4000 Set Camp $\frac{1}{4}$ sec cor

79.86 Enter set N. bdy of N. 12 the N of the cor of sees 1, 2, 35 and 36, as hereof described.

Shower Town

S 0 $\frac{1}{4}$ ° N, on a true line bet sees 1 and 2. Over land land.

Through dense chamizo.

39.86 Set a magenta post, 3 ft long, 4 ins off, with marked stem, 24 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 2 on N and 1 on E face; from which

A magenta, 5 ins diam, bears S 87 $\frac{1}{4}$ ° E, 219 the dist, marked $\frac{1}{4}$ S, B S.

A magenta, 5 ins diam, bears N. 68 $\frac{1}{4}$ ° N, 268 the dist, marked $\frac{1}{4}$ S 2 B S.

49.86 Cross dense chamizo, bears E as truly

Subdivision of Pt. S. C. 10 E

Chumie

and Pteraly; enter vineyard timber
and dense grasswood and mesquite
undergrowth.

79.86 Sh. ev. of 5 res 1, 2, 11 and 12.

Sandy soil.

Soil, sandy loam; end wood 3rd rate.
Timber, vineyard and scattering mes-
quite; undergrowth, Chamizo, grass-
wood and mesquite.

Dense undergrowth, 79.86 cho.

April 16, 1909.

April 17: At 7:30^{am} a m. l. m. t. P. 54 t
off 32° 15' N on the lat arc; 10° 13' N on
the decl arc, and determined a true
meridian with the solar at the ev.
of 5 res 2, 3, 34 and 35 on the S. body of
the Sp. as heretofore described.

Shaner Point

Subdivision of S 13 & R 10 E

Chassis

40' W, bet 34 and 35

Over land band

Plowch and grasswood and mesquite undergrowth.

11000 Set a mesquite post, 3 ft long, 4 ins sq, with marked stem, 24 ins in the ground, for E 1/2 W marked $\frac{1}{4}$ S 34 on R and 35 on E face, from which

A mesquite, 4 ins diam, bears N. 73° E, 157 lbs dist, marked $\frac{1}{4}$ S 35 B S.

A mesquite, 4 ins diam, bears S 80° E, 179 lbs dist, marked $\frac{1}{4}$ S 34 B S.

12000 Set an ironed post, 3 ft long, 4 ins sq, with marked stem, 24 ins in the ground, for W of secs 26, 27, 34 and 35, marked S 13 S S 26 on N E,

R 10 E S 35 on S E,

S 34 on S N, and

S 27 on N W face, with 1 notch on S and

Subdivision of S 13 S R 10 E

Chain

2 notches on E. range, from which

A. magnetic, 6 ins chain, brass N. 40° E, 142

the dist, marked S 13 S R 10 E S 26 B S.

A. magnetic, 4 ins chain, brass S 75° E, 279

the dist, marked S 13 S R 10 E S 35 B S.

A. magnetic, 4 ins chain, brass S 20 1/4° N, 52

the dist, marked S 13 S R 10 E S 34 B S.

A. magnetic, 6 ins chain, brass N. 52 1/4° N, 89

the dist, marked S 13 S R 10 E S 27 B S.

Bound level.

Soil, sandy loam, 2nd rate.

Timber, scattering mesquites; under-
growth, grasswood and mesquites.

Dense undergrowth, 8000 cu.

East on a random line bet secs 26
and 35.

4000 Set camp 1/4 sec cor.

7996 Intersect N. and S. line 23 the S of

Subdivision of S 13 S. R. 10 E

Chain.

The cor of acres 25, 26, 35 and 36.

Shiner Point.

S 89° 50' W, on a true line bet acres 26
and 35.

Over level land.

Through dense mesquite undergrowth.

3400 Low mesquite, cross N and S; entire
dense grassland.3498 Set a mesquite post, 3 ft long, 4 ins dia,
with marked stone 24 ins in the ground,
for $\frac{1}{4}$ acre cor, marked $\frac{1}{4}$ S 26 on N and
35 on S fur; from whichA mesquite, 5 ins diam, bears N. 57° E, 172
the dist, marked $\frac{1}{4}$ S 26 B. P.A mesquite, 4 ins diam, bears S. 43 $\frac{1}{2}$ ° E, 248
the dist, marked $\frac{1}{4}$ S 35 B. P.

6224 Nail bears Northwly and Southwly.

7996 The cor of acres 26, 27, 34 and 35.

Land, level and gently rolling.

Subdivision of S 13 S, R 10 E.

6 hours

Soil, sandy and gravelly; 2nd and 3rd cuts.

Spindly scattering mesquite, underground grassweed and mesquite.

Dense undergrowth, ~~2226~~ 2226 $\pm 10^{\circ} 16'$
 April 17: - at this cor. I set off ~~2226~~ 2226 ft on the
 decl. arc, and at $12^{\text{h}} 56^{\text{m}}$ P. M. T., observed
 the sun on the meridian; the resulting lat is $32^{\circ} 16' N$

No 1 W, lat 2226 and 27.

Low brush land.

Through dense undergrowth.

15.79 Trail bears N. Easterly and S. Westerly.

4000 Set a mesquite post, 3 ft long, 4 ins sq,
 with marked stone 24 ins in the ground,
 for $\frac{1}{4}$ S 22 W, marked $\frac{1}{4}$ S 26 W E and 27 W
 N. face; from which

A mesquite, 4 ins diam, bears N $13^{\frac{3}{4}}$ E, 224
 the dist, marked $\frac{1}{4}$ S 26 B S.

A mesquite, 5 ins diam, bears S $26^{\frac{3}{4}}$ W, 86
 the dist, marked $\frac{1}{4}$ S 27 B S.

8000 Set a mesquite post, 3 ft long, 4 ins sq,

Subdivision of S 13 S 16 10 E

Chain

with marked stone, 24 ins in the ground,
for cor of ores 22, 23, 26 and 27, marked

S 13 S 23 on NE

R 10 E S 26 on SE

S 24 on S N, and

S 22 on N N part, with a notch on S
and E edges; from which

A mesquite, 4 ins diam, bears S $46^{\circ} \frac{3}{4}$ E 80.3

the dist, marked S 13 S 16 10 E S 26 13 S.

A mesquite, 4 ins diam, bears S $80^{\circ} \frac{1}{2}$ N 45

the dist, marked S 13 S 16 10 E S 27 13 S.

A mesquite, 5 ins diam, bears N. 77 N 123

the dist, marked S 13 S 16 10 E S 22 13 S,

no other trees within limit, dig pit,
18 x 18 x 12 ins, N. E. of post, $5^{\frac{1}{2}}$ ft dist,
and raise a mound of 2 with 4 ft base,
2 ft high, N of cor.

Ground, level.

Soil, sandy; 2nd and 3rd rate.

Subdivision of S 13 & R 10 E.

Chain

Timber, scattering mesquite, undergrowth,
mesquite, brush and grasswood.
Dense undergrowth, 8.00 chs.

N 89° 50' E, on a random line bet secs 23
and 26.

4.00 Set point $\frac{1}{2}$ sec cor.

8.00 Between N. and S. line at the cor of
secs 23, 24, 25 and 26.

Phases Run

S 89° 50' W, on a true line bet secs 23
and 26.

Over bush land.

Through dense grasswood and mes-
quite undergrowth.

4.00 Set a mesquite post 3 ft long, 4 ins sq,
with marked stone 24 ins in the ground,
for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 23 on N. and 26
on S. face, from which

Subdivision of S 13 S. R. 10 E

Chains

1 maginite, 4 ins diam, bars $N 33^{\circ} E$,
127 lbs dist, marked $\frac{1}{4}$ S 23 B S.

1 maginite, 5 ins diam, bars $S 32^{\circ} W$, 122
lbs dist, marked $\frac{1}{4}$ S 26 B S.

79.00 Soil, bars Northernly and Southernly.

80.05 1 hr ev of ^{no} 22, 23, 26 and 27.

Level, level and gently rolling.

Soil, sandy; 2nd and 3rd rate.

Soils, scattering maginites, under-
growth, grasswood and maginites.

Dense undergrowth, 80.05-cho

N 0' N, lat ones 22 and 23.

Over level land.

Plough dense grasswood.

4.00 Set a maginite post, 3 ft long, 4 ins sq,
with marked stone 24 ins in the ground,
for $\frac{1}{4}$ sec ev, marked $\frac{1}{4}$ S 22 on N and
23 on E face, from which

Subdivision of S 13 S R 10 E

Chains

A meagrite, 4 in diam, brass $N 55\frac{1}{2}^{\circ} E$, 77
the dist, marked $\frac{1}{4}$ S 23 B S.

A meagrite, 4 in diam, brass $S 36^{\circ} N$, 100
the dist, marked $\frac{1}{4}$ S 22 B S.

8000 Set an ironwood post, 3 ft long, 4 in sq,
with marked stem, 24 in in the ground, for
cor of 1920 14, 15, 22 and 23, marked
S 13 S S 14 on NE,
R 10 E S 23 on SE,
S 22 on S. N, and

1 195 on N N face, with 3 notches on S
and 2 notches on E edge, from which
A meagrite, 4 in diam, brass $S 34\frac{1}{2}^{\circ} N$,
195 the dist, marked S 13 S R 10 E S 22 B S,
no other trees within limit; dig pits,
18 x 18 x 12 in, NE, SE and NN of post,
5 $\frac{1}{2}$ ft dist, and raise a mound of earth,
4 ft base, 2 ft high, N. of cor.
Sand, gravel.

Inhabitation of S 13 S, R 10 E.

Chavis

Soil, sandy and gravelly; end and
3rd cuts.Timber, scattering mesquites; under-
growth, mesquites and grasswood.

Dense undergrowth, 8000 elev.

April 17, 1903.

April 18. At 7^h 35^m a.m. I
set off 30° 15' N on the lat. arc;
10° 34' W on the merid. arc; and
determine a true meridian with the
solar at the cor of srs 14, 15, 22 and 23.

Plumed Plover

N 89° 50' E, on a random line bet srs
14 and 23.

4000 Set camp $\frac{1}{4}$ srs cor.

7977 Inhabitation N. and S line 4 the N. of
srs 13, 14, 23 and 24.

Plumed Plover

Subdivision of S 13 S R 10 E

Chains

S 89° 52' N, on a true line bet 5400 14
and 23.

Over level land.

Through dense undergrowth.

21.77 Point, bears N. Easterly and S. Westerly.

3998² Set a magnetic post, 3 ft long, 4 ins sq,
with marked stone 24 ins in the ground,
for 4 sec w, marked $\frac{1}{4}$ S 14 on N and 23
on S face, from which

A magnetic, 4 ins chain, bears N. 45 $\frac{1}{2}$ ° E,
129 lbs dist, marked $\frac{1}{4}$ S 14 B S.

A magnetic, 4 ins chain, bears S 68° E, 224
lbs dist, marked $\frac{1}{4}$ S 23 B S.

77.66 Point, bears Northwesterly and Southeastly.

79.99 The w of 5400 14, 15, 22 and 23.

Level, level.

Soil, sandy loam; 2nd and 3rd rate.

Timber, scattering magnetics; under-
growth, grasses, magnetics and brush.

Subdivision of S 13 S, R 10 E.

Chain.

Dense undergrowth, 42.99 chs!

N 0° W bet. sec 14 and 15.

Over 1 mi. band:

Through dense grassland

4000 Set a magrite post, 3 ft long, 4 ins sq,
with mark'd stone, 24 ins in the ground,
for $\frac{1}{4}$ sec 12 on marked $\frac{1}{4}$ S 15 on W and 14
on E face, from which

A magrite, 8 ins diam, bears S 15 $\frac{1}{2}$ ° E,
167 lbs dist, marked $\frac{1}{4}$ S 14 B S.

A magrite, 5 ins diam, bears S 27 $\frac{1}{2}$ ° W,
272 lbs dist, marked $\frac{1}{4}$ S 15 B S.

56.90 Nail, bears N. Easterly and S. Westerly.

8000 Set a magrite post, 3 ft long, 4 ins sq,
with mark'd stone, 24 ins in the ground,
for cor of sec 10, 11, 14 and 15, marked
S 13 S S 11 on N. E.,

R 10 E S 14 on S. E.

Subdivision of S 13 & 10

Chains

S 15 on S W^d andS 10 on N W^d jaw, with 4 notches on S
and 2 notches in E edge, from whichA meaginty 4 ins diam, bears N 22³/₄° E
381 lbs dist, marked S 13 S 10 & S 11 B S.A meaginty 5 ins diam, bears N 38° W^d 457
lbs dist, marked S 13 S 10 & S 10 B S.no other trees within limit; dig pits
18 x 18 x 12 ins S E and S W of post, 50
ft dist, and raise a mound of earth,
4 ft base, 2 ft high, W of cor.

Sand, level.

Soil, sandy; 2nd and 3rd rate.

Partial scattering meaginty, megr-
ginty, grasswood and meaginty.
Dense meaginty, 8000 lbs.N 89° 52' E, in a random line let 5 res
11 and 14.

Subdivision of S¹ 13 S R 10 E.

- Chain.
- 40.70 Set camp $\frac{1}{4}$ sec cov.
- 80.20 Enter set N. and S line 14 lbs S of
the cov of secs 11, 12, 13 and 14.
Planes S run
S 89° 46' N, on a true line bet secs 11
and 14.
Over land land.
Plunge and smoky with.
- 31.13 Soil, bars North and Southly.
- 40.10 Set a mosquito post, 3 ft long, 4 ins sq,
with marked stones, 24 ins in the ground,
for $\frac{1}{4}$ sec cov, marked $\frac{1}{4}$ S 11 cov 11 and 14
S. face; from which
A mosquito, 5 ins diam, bars N 65° E, 53
lbs dist, marked $\frac{1}{4}$ S 11 B S.
A mosquito, 3 ins diam, bars S 73° 34' E,
126 lbs dist, marked $\frac{1}{4}$ S 14 B S.
- 80.20 The cov of secs 10, 11, 14 and 15.
Land, hnd.

Subdivision of P 13 S R 10 E.

Chain

Soil, sandy; 2nd and 3rd rates.

Timber, scattering musquitos; undergrowth, musquitos and bracta.

Dense undergrowth 80.20 chs.

April 18: - At this cor. I set off $10^{\circ}37'4''$ on the decl. arc, and at 12 $\frac{1}{2}$ P. M. I observe the sun on the meridian; the resulting lat is $32^{\circ}14'N$

No. 11, lat over 10 and 11.

Over level land.

Shrubby dense grasswood.

25.61 Trail, bears N. Easterly and S. Westerly.

34.17 Trail, bears N. Easterly and S. Westerly.

40.00 Set a musquite post, 3 ft long, 4 ins sq, with marked stem, 24 ins in the ground, for $\frac{1}{4}$ ore' cor, marked $\frac{1}{4}$ S 10 on W and 11 on E face; face, from whichA musquite, 5 ins diam, bears $S 71^{\circ} E, 114$ lbs dist, marked $\frac{1}{4}$ S 11 B S.A musquite, 5 ins diam, bears $S 56^{\circ} N, 29$ lbs dist, marked $\frac{1}{4}$ S 10 B S.

42.20 Trail, bears N. Easterly and S. Westerly

Inclusion of S 13 S R 10 E

Chain

8000

Set a mosquito post, 3 ft long, 4 ins sq,
with marked staves 24 ins in the ground,
for cor of sec 2, 3, 10 and 11, marked
S 13 S S 2 on N E.

R 10 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 side; from which
A mosquito, 10 ins chain, bears N 33° E, 204
lbs dist, marked S 13 S R 10 E S 2 B B.

A mosquito, 4 ins chain, bears S 25° E, 263
lbs dist, marked S 13 S R 10 E S 11 B B.

A mosquito, 5 ins chain, bears N 76° W, 176
lbs dist, marked S 13 S R 10 E S 3 B B, no
structure within limit; ring pit
18 x 15 x 12 ins, S W of post, 5 1/2 ft dist,
and raise a mound of earth 4 ft
base, 2 ft high, N of cor.

Sound, loud.

Subdivision of S. 13 S. R. 10 E

Chinua

Soil, sandy; 2nd and 3rd rate
Timber, scattering mesquite; under-
growth, mesquite and grasswood.
Dense undergrowth, 8000 lbs.

N 59° 46' E, on a random line bet
ores 2 and 11.

4000 Set trap $\frac{1}{4}$ ore cor

79.32 Subdivided N. and S. line 5 lbs N of the
cor of ores 1, 2, 11 and 12.

Plumer Point

S 89° 48' W, on a true line bet ores 2
and 11.

Over level land.

Through dense grasswood.

39.91 Set a mesquite post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for $\frac{1}{4}$ ore cor, marked $\frac{1}{4}$ S 2 on N and 11
on S face; dip pits 18 x 18 x 12 ins, E

Subdivision of S 13 S R 10 E

Chairs

and N of post, 3 ft. dist; and raised mound of earth, $3\frac{1}{2}$ ft base, 2 ft high, N. of cor.

79.82 This cor of rows 2, 3, 10 and 11.

Kind, local.

Soil, sandy; 2nd and 3rd rate.

Similar, scattering mesquite; undergrowth, grasswood and mesquite
Dense undergrowth, 79.82 obs.

N^o 1 W, on a random line bet rows 2 and 3.

41.50 Set temp $\frac{1}{4}$ row cor30.14 Enters at N edge of Sp $\frac{1}{4}$ this N of the cor of rows 2, 3, 34 and 35, as heretofore described.

Plumier P and

Soil ^W on a random line bet rows 2 and 3.

Poor local land.

Plumier dense grasswood.

Subdivision of S 13 S R 10 E

Chains

- 11.17 Soil bars N. Easterly and S. Westerly.
- 40.14 Set a mosquito post, 3 ft long, 4 ins sq, with marked stem, 24 ins in the ground, for $\frac{1}{4}$ sec on, marked $\frac{1}{4}$ S 3 on A and 2 on E face; from which
- A mosquito, 6 ins diam, bars S $58\frac{1}{2}^{\circ}$ E, 179
the dist, marked $\frac{1}{4}$ S 2 B S.
- A mosquito, 5 ins diam, bars N $27\frac{1}{2}^{\circ}$ W, 160
the dist, marked $\frac{1}{4}$ S 3 B S.

80.14. The cor of secs 2, 3, 10 and 11.

Land, barl.

Soil, sandy; 2nd and 3rd rates.

Timber, scattering mosquito; undergrowth, grasswood and mosquito.

Dense undergrowth, 80.14 chs

April 13, 1903.

April 19: At 7^h 00^m a.m. on mt, I set off $32^{\circ} 15' N$ on theature; $10^{\circ} 55' N$ on

Subdivision of S 13 S R 10 E

Chain

The end are, and determine a true meridian with the solar at the end of srs 3, 4, 33 and 34, on the S leg of the Sp, as heretofore described.

Plumed P. m.

N 0 2' N, bet srs 33 and 34.

Over level land.

Through dense grass and mesquite undergrowth.

4000 Set a mesquite post, 3 ft long, 4 ins sq, with marked stone, 24 ins in the ground, for $\frac{1}{4}$ srs ev, marked $\frac{1}{4}$ S 33 on W and 34 on E face, from which

A mesquite, 4 ins diam, bears S 83 $\frac{1}{4}$ E, 173 lbs dist, marked $\frac{1}{4}$ S 34 B S.

A mesquite, 4 ins diam, bears S 61 $\frac{1}{4}$ W, 203 lbs dist, marked $\frac{1}{4}$ S 33 B S.

44.46 Nail, bears Northerly and Southerly

8000 Set a mesquite post, 3 ft long, 4 ins sq,

Subdivision of $S 13 S R 10 E$

Chains

with marked stms, 24 ins in the ground,
for ev of stms 27, 28, 33 and 34, marked

$S 13 S 27$ on $N E$,

$R 10 E S 34$ on $S E$,

$S 33$ on $S W$, and

$S 25$ on $N P$ face, with 1 notch on S
and 3 notches on E edge, from which

1 mosquito, 5 ins diam, bears $N 52^{\circ} \frac{3}{4} E$,

152 lbs dist, marked $S 13 S R 10 E S 27 B S$

1 mosquito, 4 ins diam, bears $S 47^{\circ} \frac{1}{2} E 179$

lbs dist, marked $S 13 S R 10 E S 34 B S$

1 mosquito, 4 ins diam, bears $S 15^{\circ} W 182 \frac{1}{2}$

lbs dist, marked $S 13 S R 10 E S 33 B S$

1 mosquito, 5 ins diam, bears $N 47^{\circ} \frac{1}{4} W 152$

lbs dist, marked $S 13 S R 10 E S 28 B S$

Lead, local.

Soil, sandy and gravelly; and under
and water.

Timber, scattering mosquito; under-

Subdivision of S 13 S R 10 E

Chain

front, grasswood and mesquite
Dense undergrowth, 8000 elev.

East, on a random line bet 5000 27
and 34.

4500 Set trap $\frac{1}{4}$ sec' or.

80.10 Intersect N. and S. line 12 chs S of the
cor of 5000 26, 27, 34 and 35.

Shower P. run

S 89° 55' W. on a 7000 line bet 5000 27
and 34.

Over brush land.

Through dense mesquite and tree
undergrowth.

4005 Set a mesquite post, 3 ft long, 4 in sq,
with marked stem 24 in in the ground,
for $\frac{1}{4}$ sec' or, marked $\frac{1}{4}$ S 27 on N end 34
on S end, from which

A mesquite, 4 in diam, bears S 39 $\frac{2}{3}$ ° E,

Subdivision of A 3 S. R. 10 E

Chains

143 lbs dist marked $\frac{1}{4}$ S 34 B S.

A mosquito 6 ins diam, bars N. 20' W. 175

lbs dist marked $\frac{1}{4}$ S 27 B S.

80.10 The cor of ores 27, 28, 33 and 34.

Good land.

Soil, sandy, and and 3rd water.

Pine, scattering mosquito, under-
growth, grass, mosquito and coral.
Dense undergrowth, 80.10 chs.

No 2's W bet ores 27 and 28.

Poor land.

Through dense undergrowth.

4000 Set a mosquito post, 3 ft long, 7 ins sq,
with marked stone, 24 ins in the ground,
for $\frac{1}{4}$ or cor, marked $\frac{1}{4}$ S 28 on W. and
27 on E face, from whichA mosquito, 4 ins diam, bars S 26 $\frac{3}{4}$ E143 lbs dist marked $\frac{1}{4}$ S 27 B S.

Subdivision of S 13 S, R 10 E,

Chains.

A mosquito, 4 ins chain, bears S 43° W,
290 lbs dist marked $\frac{1}{4}$ S 28 B P.

800 Set a mosquito post, 3 ft long, 4 ins sq,
with marked stem, 27 ins in the ground,
for cor of sec 21, 22, 27 and 28, marked
S 13 S S 22 on N W,

N 10 E S 27 on S E,

S 28 on S W and

S 21 on N W post, with 2 notches on S
and 3 notches on E edge, from which

A mosquito, 5 ins chain, bears N 60° E, 38
lbs dist, marked S 13 S R 10 E S 22 B P.

A mosquito, 4 ins chain, bears S 21° E, 194
lbs dist, marked S 13 S R 10 E S 27 B P.

A mosquito, 4 ins chain, bears S 33 $\frac{1}{2}$ ° N, 158
lbs dist, marked S 13 S R 10 E S 28 B P,
no other can within limit. dig pit,

18 x 18 x 12 ins, N. N. of post, 5 $\frac{1}{2}$ ft east, and
raise a mound of earth, 4 ft base, 2 ft

Subdivision of S 13 S. R. 10 E.

Chimie

high, N of cor.
sand, incl.

Soil sandy; and soil and rate.

Timber scattering mesquite, undergrowth, mes-
quite, brush and grassland.

Dense undergrowth, 8000 lbs.

N 89° 55' E, on a random line bet sec 22
and 27.4000 Set trap $\frac{1}{4}$ sec cor.8005 Intersect N and S line 7 lbs S. of the
cor of sec 22, 23, 26 and 27.

Shore S line

S 89° 52' N, on a true line bet sec
22 and 27.

Over bird land.

Through dense undergrowth.

40020 Set a mosquito post, 3 ft long, 4 ins sq,
with marked staves, 24 ins in the ground,

Subdivision of S 13 S R 10 E

Chassis

for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 22 on N and 27 on
S face, from which

A mosquito, 4 ins diam, bears $N 71\frac{1}{4}^{\circ} E$, 85 lbs
dist, marked $\frac{1}{4}$ S 22 B.

A mosquito, 4 ins diam, bears $S 10\frac{1}{2}^{\circ} W$, 45
lbs dist, marked $\frac{1}{4}$ S 27 B.

8005- Sheer of sec 21, 22, 27 and 28.
Level, level.

Soil, sandy; sand and salt water.

Timber, scattering mosquito, undergrowth,
mosquito, grasswood and tassel.
Dense undergrowth, 8005 lbs.

No 2 R lot sec 21 and 22.

Over level land.

Through dense mosquito undergrowth.

4000 Set a mosquito post, 3 ft long, 4 ins cor,
with marked string 24 ins in the ground,
for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ S 21 on N and

Subdivision of S 13 S R 10 E

Chains

22 on E face, from which

A mosquito, 4 ins diam, bears S 79 $\frac{1}{2}$ ° E, 261 lbs
dist, marked $\frac{1}{4}$ S 22 B S.A mosquito, 4 ins diam, bears S 40 $\frac{1}{2}$ ° W, 95
lbs dist, marked $\frac{1}{4}$ S 21 B S.800 Set a mosquito post, 3 ft long, 4 ins sq,
with marked stem, 24 ins in the ground,
for cor of secs 15, 16, 21 and 22, marked
S 13 S S 15 on NE,

R 10 E S 22 on SE

S 21 on S W, and

S 16 on N W face, with 3 notches on S
and E edges, from whichA mosquito, 4 ins diam, bears N 80 $\frac{1}{2}$ ° E, 172
lbs dist, marked S 13 S R 10 E S 15 B S.A mosquito, 4 ins diam, bears S 27 $\frac{1}{2}$ ° E, 173
lbs dist, marked S 13 S R 10 E S 22 B S.A mosquito, 6 ins diam, bears S 51 $\frac{3}{4}$ ° N,
147 lbs dist, marked S 13 S R 10 E S 21 B S.

Subdivision of S 13 S. R. 10 E.

Claims

no other tree within limit, dig pit 18x18x12 in,
 N W of post, 5 1/2 ft dist, and raise a mound
 of earth 4 ft base, 2 ft high. N of cor.
 Land level.

Soil, sandy and gravelly; acid and ex-
 posed.

Pinel scattered mesquite, undergrowth
 grass and mesquite
 Dense undergrowth, 8.00 chs.

N 89° 52' E, over a rounded line bet sees 15-
 and 22.

4000 Set trap 1/4 sec cor.

8004 Intersect N and S line 19 chs S of the cor
 of sees 14, 15, 20 and 23.

Shiner & run

✓ S 89° 44' W, over a true line bet sees 15
 and 22.

Over level land.

Inclusion of S 13 & R 10 E.

Chassis

N.E. S.E. and S.W. of post $5\frac{1}{2}$ ft dist, and
raise a mound of earth 4 ft base, 2 ft
high, N of cor.

Land, Ind.

Soil, sandy; end and side rail.

Timber, scattering mesquite, undergrowth,
grassweed and mesquite.

Dense undergrowth, see chs.

April 19, 1903.

April 20: At 7^h 30^m a.m. I set
off 32° 19' N on the latitude, 11° 16' W on
the arc and determine a true
meridian with solar at the cor of sres
9, 10, 15 and 16.

I then find

$71.89^{\circ} 44' E$ on a random line bet sres
10 and 15.

4000 Set ramp $\frac{1}{4}$ sec cor.

Inclination of S 13 S R 10 E

Chains

80.20

Returned N. end S line 17 the N of the cor
of sres 10, 11, 14 and 15.

Placed 3 mm

S 55' W. over town line bet sres 10 and 15.

On level land.

Through some undergrowth.

40.10 Set a measuring post 3 ft long, 4 ins sq,
with marked stone, 24 ins in the ground,
for $\frac{1}{4}$ sec on marked $\frac{1}{4}$ S 10 on N and 15
on S face, from which

A measuring, 10 ins diam, bears N. 85 $^{\circ}$ 4' E, 106
the dist, marked $\frac{1}{4}$ S 10 B S.

A measuring, 8 ins diam, bears S 22' N, 31 the
dist, marked $\frac{1}{4}$ S 15 B S.

55.47 Point, bears N. Easterly and S. Westerly.

80.20 The cor of sres 9, 10, 15 and 16.

Land, level.

Soil, sandy; 2nd and 3rd rate.

Timber, scattering measuring, undergrowth.

Subdivision of S 13 S R 10 E

Charis

musquit grasswood and forest.
Dense musquit, 50-20 lbs.

N 0° 2' N bet sec 9 and 10.

Open level land.

Through dense grasswood.

4 000 Set a malpais stone, 15 x 10 x 8 ins, 12 ins in
the ground, for $\frac{1}{4}$ sec 9, marked $\frac{1}{4}$ on W
face, from which

A musquit, 6 ins diam, bears S 73 $\frac{1}{2}$ ° E, 194
lbs dist, marked $\frac{1}{4}$ S 10 B S.

A musquit, 4 ins diam, bears N. 31 $\frac{1}{2}$ ° W,
134 lbs dist, marked $\frac{1}{4}$ S 9 B S.

4 579 Trail, bears N. Easterly and S. Westerly.

8 000 Set a granite stone, 16 x 8 x 6 ins, 12 ins in
the ground, for cor of sec 3, 4, 9 and 10,
marked with 5 notches on S and 3
notches on E, edge, from which
A musquit, 4 ins diam, bears N 86 $\frac{3}{4}$ ° E, 52

Subdivision of S 13 S, R 10 E.

Chains

The dist. marked S 13 S R 10 E S 3 B S.

A mag. with 6 ins diam. bears S 35° E, 239

The dist. marked S 13 S R 10 E S 10 B S.

A mag. with 6 ins diam. bears S 29½° N, 102

The dist. marked S 13 S R 10 E S 9 B S.

A mag. with 6 ins diam. bears N 23¼° N, 65

The dist. marked S 13 S R 10 E S 4 B S.

Bound line.

Soil, sandy, and and 3rd water.

Timber scattering mesquite, undergrowth
prairie, mesquite and locust.

Dense undergrowth 800. Dist. 11° 19'

April 20: at this spot set off 11° 19' N. on the
decl. arc. and at 12th 30th S. m. t. observe the sun
on the meridian; the resulting cor. is 32° 20' N

N 89° 51' E, on a random line let runs 3

and 10

4000 Set limit ¼ sec cor.

8016 Between N. and S. line 5 lbs. of the air of

series 2, 3, 10 and 11

Shower & sun

Subdivision of S 13 S, R 10 E.

Chain

- 889.53 N on a timber bet. sec 3 and 10.
Over bird land.
Through cross grasswood.
- 32.23 Soil, bars N. Easterly and S. Westerly.
- 4008 Set a mesquite post, 3 ft long, 4 ins sq,
with marked stem 20 ins in the ground,
for $\frac{1}{4}$ sec on, marked $\frac{1}{4}$ S 3 on N and 10 on
S face, from which
A mesquite, 8 ins diam, bars S $23\frac{1}{2}^{\circ}$ N, 340
The dist. marked $\frac{1}{4}$ S 10 B S.
- A mesquite, 5 ins diam, bars N 32° N, 133
The dist. marked $\frac{1}{4}$ S 3 B S.
- 80.16 Sbr on of sec 3, 4, 9 and 10.
Open, bird.
Soil, sandy; 2nd and 3rd rate
Timber, scattering mesquite, undergrowth,
grasswood and mesquite
Open undergrowth, 80.16 chs.

Subdivision of S 13 S R 10 E

Claim

N 0° 2' W, on a random line hit srs 3
and 4.

4000 Set Camp 1/4 sec cor.

80.16 Postmark N. by of Sp at the cor of srs
3, 4, 33 and 34 as hereafter described.
Shiner's Run

S 0° 2' E on a true line hit srs 3 and 4.
Over level land

Through dense grasswood.

40.16 Set a granite stone, 20 x 8 x 6 ins., 14 in
in the ground, for 1/4 sec cor, marked
1/4 on N of cor, from which

a magnetic 7 ins chain, bears S 42° E, 25

the dist, marked 1/4 S 3 B S.

A magnetic 6 ins chain, bears S 88 1/2° N, 24.3

the dist, marked 1/4 S 4 B S.

70.23 Trail, bears N. westerly and S. westerly.

80.16 The cor of srs 3, 4, 9 and 10.

Level, level.

Subdivision of S 18 T 16 10 E.

Shiner

Soil sandy; and and 3rd rate.

Timber, scattering musquith, undergrowth,
grassweed and musquith.

Dunes among growth, so. 16 cho.

April 20, 1903

April 21: At 7^h 20^m a.m. l.m.t. P set off
 32° 15' N on the lat arc, 11° 37' N. 1 on the
 arc, and determined a true meridian
 with solar at the end of arcs 4, 5, 32
 and 33 on the S by of the Sp, as
 heretofore described.

Shiner P run

N 0° 2' W lat arcs 32 and 33.

Our land land.

I brought musquith timber and dunes
undergrowth.

8.45 Bond; bars N. Westerly and S. Easterly.

4.00 Set a musquith post, 3 ft long, 4 ins sq,

For authority of Red ink corrections see
deputy's letter of Feb 11 1904

Concluded, Book 787