

1875
Book "B"

BOOK 1875

W. M. ...
Jan 29, 1875

FIELD NOTES

OF THE SURVEY OF THE

Subdivisional lines of Township 27 North, Range
26 East

1875

1875

Of the Gila and Salt River Base and Meridian,

Arizona

AS SURVEYED BY

Samuel E. Day

, United States Deputy Surveyor,

Under his Contract No. 106, dated April 16th 1903, 189

Survey commenced December 22nd 1904, 189

Survey completed January 3^d 1905, 189

NAMES AND DUTIES OF ASSISTANTS.

<i>Samuel E Day Jr</i>	<i>Chairman</i>
<i>William A. Day</i>	<i>Chairman</i>
<i>White Singer</i> <i>a Navajo Indian</i>	<i>Moundman</i>
<i>Left Hand</i> <i>"</i>	<i>Arman</i>
<i>Yellow Left Hand</i> <i>"</i>	<i>Flagman</i>
<i>Tall Man</i> <i>"</i>	<i>Flagman</i>

The preliminary and final oaths to Assistants had to be administered by the Deputy because there was no officer, authorized to administer oaths, within fifty miles

Samuel E Day
U. S. Deputy Surveyor.

Book No. 1875

INDEX DIAGRAM.

Township 27 N., Range 26 E

6	5	4	3	2	1					
7	8	9	10	11	12					
18	17	16	15	14	13					
26	26	21	17	13	8					
19	25	20	20	21	16	22	12	23	8	24
24	24	20	16	11	7					
30	23	29	19	28	15	27	10	26	6	25
23	22	19	14	10	6					
31	22	32	18	33	14	34	9	35	5	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Samuel E. Day Jr and William A. Day

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances 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 subdivisional lines of Township 27 N. R. 26 E. G. and S. R. B. and M.

Samuel E. Day Jr, Chainman.
William A. Day, Chainman.

Subscribed and sworn to before me this 12th day of December 1904, 1897



Samuel E. Day
U. S. Deputy Surveyor.

WE, White Singer and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of my skill and ability, in the survey of the subdivisional lines of T. 27 N. R. 26 E. G. and S. R. B. and M.

Witnesses
William A. Day White Singer ^{his} Moundman.
Samuel E. Day Jr ^{mark} Moundman.

Subscribed and sworn to before me this 12th day of December 1904, 1897



Samuel E. Day
U. S. Deputy Surveyor.

WE, Left Hand and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of my skill and ability, in the survey of the subdivisional lines of T. 27 N. R. 26 E. G. and S. R. B. and M.

Witnesses
William A. Day Left Hand ^{his} Axman.
Samuel E. Day Jr ^{mark} Axman.

Subscribed and sworn to before me this 12th day of December 1904, 1897



Samuel E. Day
U. S. Deputy Surveyor.

Mr. Yellow Left Hand and Tall Man, do solemnly swear that we will well and truly perform the duties of flagman according to instructions given us, to the best of my skill and ability, in the survey of the subdivisional lines of T. 27 N. R. 26 E. G. and S. R. B. and M.

Witnesses
William A. Day Yellow Left Hand ^{his} Flagman.
Tall Man ^{mark} Flagman.

Subscribed and sworn to before me this 12th day of December 1904, 1897



Samuel E. Day
U. S. Deputy Surveyor.

chains

Survey commenced December 22^d 1904 and executed with a W. and L. E. Gurley Engineer transit, 4 1/2 inch needle, with solar attachment, the horizontal limb having two opposite verniers reading to 1' of arc. The verniers of the latitude and declination arc reading to 30" of arc.

I examine the adjustments of the instrument and find them correct.

Dec 22^d 1904: At 10^h a.m. l.m.t., I set off ^{23° 25' 2"} 35° 41' ^m on the lat. arc and ~~23° 25' 19" 36 S.~~ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36 on the south bdy. of the Tps, which I established December 19th 1904. Long. ^{109° 32' 08" W} 109° 32' 38" W Lat. ^{35° 41' 07" N} 35° 41' 23" N

Thence I run

N. 0° 01' W, between secs 35 and 36.

2.80 Wagon road. NE. and SW.

11.00 Enter timber, rough ground

40.00 Set a pinon post, 3 ft. long, 4 ins. sq. 24 ins. in the ground for 1/4 sec cor. W. 1/4 S 35 on N. face and S 36 on E. face. Dig pits 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

A pinon 9 ins. in dia. brs N. 5° 4' E. 82 lbs dist. W. 1/4 S 36 BT

A pinon, 5 ins. in dia., brs S. 82° 20' W. 14 lbs. dist. W. 1/4 S 35 BT

80.00 Set a pinon post 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. of secs. 25, 26 35 and 36. W. 1/4

T 27 N S 25 on NE.,

R 26 E S 36 on SE.,

S 35 on SW. and

S 26 on NW. face, with 1 notch on S. and E. edges. Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high. W. of cor.

A pinon 14 ins. in dia. brs N. 50° W. 42 lbs dist.

Chain

Mkd T 27 N. R 26 E S 26 T

A pinon, 8 ins. in dia. brs. N. 25° 2' E. 85 lks. dist.

Mkd T 27 N R 26 E S 25 T

A pinon, 13 ins. in dia. brs. S. 83° 10' E. 13 lks. dist.

Mkd T 27 N R 26 E S 36 T

A pinon, 12 ins. in dia. brs. S. 49° 5' N. 24 lks. dist.

Mkd T 27 N R 26 E S 35 T

Surface rolling and rough
Soil 4th rate

Dense undergrowth 69.00 chains

At this cor. at 117.59^m lmt. Set of 23'-25' 3" on the decl. are 2^d chains
the sum on the mountain ^{altitude} on the lot. are the reading 35-42' N.

East, on a random line between secs 25 & 36.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect E. bdy. of 5th 5 lks ^Q of cor of sec. 25, 36.
30 and 31 which I established Dec, 18th 1904

Thence I run

N. 89° 58' W. on a true line between secs 25 and 36

3.00 Indian trail N. and S.

40.04 Set a pinon post, 3 ft. long, 4 ins sq. 24 ins. in
the ground for 1/4 sec. cor. Mkd 1/4 S 25 on N.
face and S 36 on S. face. Dig pits 18 x 18 x 12 ins
E. and W. 3 ft. dist. and raise a mound of earth
N. of cor. from which

A pinon, 10 ins. in dia, brs. S. 39° 40' N. 59 lks. dist.

Mkd 1/4 S 36 T

A pinon, 6 ins. in dia, brs. N. 12° 35' E. 4.91 chs. dist.

Mkd 1/4 S 25 T

41.04 Enter timber

64.60 Arroya. 35 lks. wide course N.W.

80.08 Cor of sec. 25, 26, 35 and 36.

Surface, W 1/2 very rough. E 1/2 rolling

Soil - W 1/2 4th rate. E 1/2 2^d rate.

Dense undergrowth 39.04 chains

N. 0° 01' W. between secs. 25 and 26.

8.60 Arroya 54 lks wide, course N.W.

9.35 Wagon road, Ladado to Gallup, E and W.

40.00 Set a sandstone 26 x 12 x 3 ins. 16 ins. ^{impossible to set deeper} in the ground
for 1/4 sec. cor. Mkd 1/4 on W. face. Dig pits

chains

1 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high, N. of cor. from which

A pinon, 10 ins. in dia, brs. S. 62° 50' E. 29 lks. dist. Mtd 1/4 S 25 BT

A pinon, 10 ins. in dia, brs S. 72° 25' W. 46 lks. dist. Mtd 1/4 S 26 BT

80.00 Set a sandstone 22 x 10 x 5 ins. 14 ins. ^{impracticable to set deeper} in the ground for cor. of secs. 23, 24, 25 and 26. Mtd with 2 notches on S. and 1 notch on E. face. Raise mound of stone N. of cor. pits impracticable.

A pinon, 14 ins. in dia, brs. N. 10° W. 1.18 chs. dist. Mtd T 27 N R 26 E S 23 BT

A pinon, 12 ins. in dia, brs N. 62° 35' E. 3.75 chs. dist. Mtd T 27 N R 26 E S 24 BT

A pinon, 16 ins. in dia, brs. S. 70° 30' E. 44 lks. dist. Mtd T 27 N R 26 E S 25 BT

A pinon 10 ins. in dia, brs. S. 49° 45' W. 2.06 chs. dist. Mtd T 27 N R 26 E S 26 BT

Surface very rough. covered with pinon and Juniper.

Soil 3rd rate

Dense undergrowth 80.00 chains

December 22^d 1904.

December 23^d 1904 ^{at 9 am. L.M.T. I set 173° 24' 30" S. and the decl. and 35° 43' N. and the lat. one and determine a merid. line with the decl.}
 S. 89° 58' E on a random line between secs. 24 and 25.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect E. bdy. of 5/8 4 1/2 lks S. of cor. of secs. 24, 25. 19 and ~~24~~ ³⁰ which I established Dec. 18th 1904

Thence I run

West, on a true line between secs 24 and 25

19.15 Arroya 20 lks. wide, course N. W. ^{impracticable to set deeper}

40.00 Set a sandstone, 24 x 12 x 3 ins., 16 ins. in the ground, for 1/4 sec. cor. Mtd 1/4 on N. face. Dig pits 18 x 18 x 12 ins E. and W. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high, N. of cor. No trees within limits.

Chains
80.00

Cor. of secs 23, 24, 25 and 26.
 Surface - very rough - mountainous
 Soil 3^d rate
 Mountainous and dense undergrowth 80.00 chains

N. 0° 01' W. between secs 23 and 24.

8.70 South bank of Pueblo Colorado Creek, running
water, course S.W.

12.40 N. bank Pueblo Colorado Creek

30.00 Foot of mesa. Enter timber

32.20

4000

Foot of mesa. Enter timber ^{impossible to set deeper}
 Top of mesa
 Set a sandstone, 24 x 8 x 4 ins., 14 ins., in the
 ground, for $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ on N. face,
 Dig pits 18 x 18 x 12 ins. N. and S. 3 ft. dist.
 and raise a mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high N. of cor. from which
 A pinon, 10 ins. in dia, brs. S. 82° E. 51 lks.
 dist. $\frac{1}{4}$ S 24 BT
 A pinon, 10 ins. in dia, brs. S. 85° 35' W. 99 lks.
 dist. $\frac{1}{4}$ S 23 BT

69.10

7300

8000

Foot of mesa - leave timber ^{impossible to set deeper}
 Set a sandstone, 24 x 14 x 4 ins., 14 ins., in the
 ground, for Cor. of secs, 13, 14, 23 and ~~24~~²⁵
 $\frac{1}{4}$ Mkd with 3 notches on S. and 1 notch on
 E. edge. Dig pits 18 x 18 x 12 ins. in each
 sec. and raise a mound of earth 4 ft.
 base, 2 ft. high. N. of cor.
 No trees within limits
 Surface - South part level, North part
 broken and mountainous
 Soil 1st and 2^d rate.
 Dense undergrowth 43.00 chains.

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

4000 Set temp $\frac{1}{4}$ sec. cor.79.98 Intersect E. bdy. of Sp. 5 lks. N. of Cor. of secs. 18, 19,
13 and 24. which I established Dec 18th 1904

Thence I run

N. 89° 58' W. on a true line between secs. 13 and 24

39.99 Set a pinon post, 3 ft. long, 4 ins. sq. 24 ins. in

chains

the ground, for $\frac{1}{4}$ sec. Cor. $\frac{1}{4}$ S 13 on N. and S. 24 on S. face. Dig pits $18 \times 18 \times 12$ ins. E. and W. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
No trees within limits.

79.98 Cor. of secs. 13, 14, 23 and 24,
Surface - N. $\frac{1}{2}$ level, E. $\frac{1}{2}$ rolling.
Soil 2^d rate

December 23^d 1904

December 24th 1904: at 9^h a.m. l.m.t. I set off $35^{\circ} 41' 23''$ on the lat. arc; and $23^{\circ} 25' 34''$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the T^p, which I established Dec 19th 1904.

Thence I run

40.00 N. $0^{\circ} 01' W.$ between sec. 34 and 35 ^{impossible to set deeper} 14 ins. in the ground, for $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ S 13 on N. face. Dig pits $18 \times 18 \times 12$ ins. N. and S. 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor. from which

A pinon 8 ins. in dia., brs N. $6^{\circ} 42' E.$ 4.76 chs. dist.
W $\frac{1}{4}$ S 35 BT

A pinon 9 ins. in dia., brs N. $22^{\circ} W.$ 3.45 chs. dist.
W $\frac{1}{4}$ S $\frac{3}{4}$ BT

47.00 Enter timber descending

80.00 Set a pinon post, 3 ft. long, 4 ins. sq. 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35.
W $\frac{1}{4}$

T 27 N S 27 on NW,

R 26 E S 26 on NE,

S 35 on SE, and

S 34 on SW. face, with 1 notch on the S. and 2 notches on the E. edge. Dig pits $18 \times 18 \times 12$ ins. in each sec; $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. from which

A pinon, 20 ins. in dia., brs S. $47^{\circ} 33' E.$ 2.83 chs. dist.
W $\frac{1}{4}$ T 27 N R 26 E S 35 BT

A pinon, 10 ins. in dia., brs N. $15^{\circ} 3' E.$ 3.68 chs. dist.

chains

Mkd T 27 N R 26 E S 26 BT

A pinon, 16 ins. in dia., brs. S. 7° 15' N. 85 lks. dist.

Mkd T 27 N R 26 E S 34 BT

A pinon, 24 ins. in dia., brs. N. 82° 4' W. 1.95 chs.

dist. Mkd T 27 N R 26 E S 27 BT

Surface - S 1/2 gently rolling, covered with thick sage brush, N 1/2 rough and broken covered with pinon and juniper.

Soil - S 1/2 2^d rate. N 1/2 4th rate

Dense undergrowth 80.00 chains.

Note: Hubbs' House brs. N 74° 15' W from the cor.

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

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect N. and S. line 10 lks. N. of cor. of secs. 25. 26. 35 and 36.

Thence I run

N. 89° 56' W. on a true line between secs. 26 and 35.

39.99 Set a sand stone, 20 x 8 x 8 ins. ^{impossible to set deeper} 12 ins. in the ground for 1/4 sec. cor. Mkd 1/4 on N. face. Dig pit 18 x 18 x 12 ins. E. and W. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor. from which

A pinon, 10 ins. in dia., brs. S. 36° 45' N. 1.80 chs.

dist. Mkd 1/4 S 35 BT

A pinon, 10 ins. in dia., brs. N. 10° 40' E. 72 lks.

dist. Mkd 1/4 S 26 BT

54.00 Leave timber

55.93 Wagon road. ^{Granada} ~~Granada~~ to Navajo - N. and S.

63.23 Arroyo, 1.12 chs. wide, course N.

79.98 Cor of secs. 26. 27. 34 and 35.

Surface. rolling, E 1/2 very rough and covered with pinon and juniper

Soil. E 1/2 4th rate. N 1/2 2^d rate.

Dense undergrowth 54.00 chains.

N. 0° 01' W. between secs. 26 and 27.

20.25 Wagon road. ^{Granada} ~~Granada~~ to Gallup. E. and N.

27.00 Arroyo 25 lks. wide, course N.

36.15 Irrigating ditch - E and N.

chain

40.00

Set a sandstone 20 x 12 x 6 ins. 15 ins in the ground for 1/4 sec. cor. Mkd 1/4 on N. face. Dig pits 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

No trees within limits

The land immediately west of this corner is occupied by a Presbyterian Mission.

An Indian family is living on SE 1/4 of NW 1/4 of sec. 26.

43.50

South bank of Pueblo Colorado brook, running water. course N.

45.86

North bank of Pueblo Colorado brook.

49.00

Foot of ridge.

54.00

Top of ridge. NW. and SE.

60.00

Bottom of ridge

80.00

Set a pinon post, 3 ft. long, 4 ins. sq. 24 ins. in the ground for cor. of sec. 22, 23, 26 and 27. Mkd T 27 N S 22 on NW.,

R 26 E S 23 on NE.,

S 26 on SE. and

S 27 on SW. face, with 2 notches on S. and 2 notches on E. edges. Dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

No trees within limits

Surface. S 1/2 sloping towards the N. N 1/2 broken soil. S 1/2 1st rate. N 1/2 2d rate.

December 24th 1904

Dec. 24 at 9 A.M. I set off 73° 20' and the def. arc and 35° 23' on the lat. line S. 89° 56' E. on a sandstone line between sec. 23 and 26.

40.00

Set temp 1/4 sec. cor.

80.02

Intersect N. and S. line 5 M. S. of cor. of sec. 23, 24, 25 and 26.

Thence I run

N. 89° 58' W. on a true line between sec. 23 and 26.

8.45

South bank of Pueblo Colorado brook, running water. course SW.

9.80

N. bank of Pueblo Colorado brook.

36.00

Foot of mesa.

39.75

Top of mesa.

Chain
40.01

Set a sandstone ^{impossible to set deeper} 22 x 14 x 5 ins, 14 ins, in the ground for 1/4 sec cor. Mtd 1/4 on N. face, Dig pits 18 x 18 x 12 ins. E. and W. 3 ft dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high N. of cor. from which
A pinon, 10 ins. in dia. brs S. 36° 50' W. 40 lbs dist.
Mtd 1/4 S 26 BT
A pinon 14 ins. in dia., brs. N. 0° 45' E. 1.66 lbs. dist.
Mtd 1/4 S 23 BT

4900 West edge of mesa

5300 Foot of mesa

8002 Cor. of sec. 22, 23, 26 and 27.

Surface. E 1/2 level, W 1/2 broken, covered with pinon juniper and grease wood
Soil E 1/2 1st rate, W 1/2 2d rate
Dense undergrowth 40.00 chains.

N. 0° 01' W. between sec. 22 and 23

1500 Enter timber

3300 Foot of mesa

37.35 Top of mesa

40.00 Set a sandstone ^{impossible to set deeper} 20 x 14 x 4 ins, 14 ins, in the ground, for 1/4 sec, cor. Mtd 1/4 on N. face. Dig pits 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth, 3 1/2 ft base, 1 1/2 ft. high, N. of cor. from which
A pinon, 16 ins. in dia., brs. N. 38° 53' E. 40 lbs. dist.
Mtd 1/4 S 23 BT
A pinon, 14 ins. in dia., brs S. 87° 10' W. 78 lbs dist.
Mtd 1/4 S 22 BT

68.00 To edge of mesa

80.00 Set a sandstone, ^{impossible to set deeper} 22 x 14 x 4 ins, 14 ins, in the ground, for cor. of sec. 14, 15, 22 and 23. Mtd with 3 notches on S. edge and 2 notches on E. edge. Dig pits 18 x 18 x 12 ins in each sec, 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft high, N. of cor. from which
A pinon, 16 ins. in dia., brs N. 67° W. 82 lbs. dist.
Mtd T 27 N R 26 E S 15 BT
A pinon, 8 ins. in dia., brs S 71° 25' W. 97 lbs. dist.

chain

Mtd T 27 N R 26 E S 22 BT

A pinon, 8 ins. in dia, brs. S. $87^{\circ}30'E$. 1.65 chs
dist. Mtd T 27 N R 26 E S 23 BTA pinon, 6 ins. in dia, brs. N. $33^{\circ}40'E$. 53 lks.
dist. Mtd T 27 N R 26 E S 14 BTSurface rough and mountainous. grass
wood, pinon and juniper covered.Soil 3^d rate

Dense undergrowth 80.00 chains

S. $89^{\circ}58'E$. on a random line between secs.
14 and 23.

40.00 Set trip 1/4 sec. cor.

80.00 Intersect N. and S. line at cor of sec 13, 14.
23 and 24.

Thence I run

N. $89^{\circ}58'N$. on a true line between secs
14 and 23.40.00 Set a pinon post, 3 ft. long, 4 ins. sq., 24 ins.
in the ground, for 1/4 sec. cor. Mtd 1/4 S
14 on N. face, and S 23 on S. face. Dig pits
18 x 18 x 12 ins. E. and N. 3 ft. dist. and
raise a mound of earth 3 1/2 ft. base
1 1/2 ft. high N. of cor. from whichA pinon, 14 ins. in dia, brs. N. $4^{\circ}25'N$. 4.32
chs. dist. Mtd 1/4 S 14 BT

No other trees within limits

72.00 Enter timber

80.00 Cor. of secs, 14, 15, 22 and 23.

Surface - sloping toward the East.

Soil 1st rate

Dense undergrowth 8.00 chains

December 26th 1904.December 27th 1904, at 9^{am}. l. m. t., I set off
 $35^{\circ}41\frac{1}{2}$ on the lat. arc, and $23^{\circ}18\frac{1}{2}$ S. on
the decl. arc, and determine a meridian
with the solar, at the cor. of secs. 3, 4, 33
and 34, on the S. bdy. of the 5 ps. which I
established December 19th 1904.

chains
 Thence down
 N. 0.02' W. between secs. 33 and 34.
 20.00 Foot of hill
 36.40 Arroyo 40 lbs wide, course N. *impossible to set deeper*
 40.00 Set a sandstone, 20 x 12 x 5 ins. 12 ins. in the
 ground, for 1/4 sec. cor. Mkd 1/4 on N. face, Dig
 pit 18 x 18 x 12 ins N. and S. 3 ft. dist. and
 raise a mound of earth. 3 1/2 ft. base, 1 1/2 ft.
 high, N. of cor. From which
 A juniper 16 ins. in dia., bore S. 88° 25' E. 2.45 chs
 dist. Mkd 1/4 S 34 T.
 No trees in sec. 33 within limits
 62.50 Wagon road. ~~Sanado~~ ^{Guanado} to Holbrook. E. and W.
 63.00 Enter Hubbell field *impossible to set deeper*
 80.00 Set a sandstone, 27 x 14 x 8 ins., 16 ins. in the
 ground, for cor. of secs. 27, 28, 33 and 34.
 Mkd with 1 notch on S, and 3 notches on E.
 face, Dig pits 18 x 18 x 12 ins. in each sec.
 5 1/2 ft. dist. and raise a mound of earth,
 4 ft. base, 2 ft. high N. of cor. From which
 A juniper 8 ins. in dia., bore N. 89° 5' E. 2.70 chs. dist.
 Mkd T 27 N R 26 E S 27 T
 A juniper 8 ins. in dia., bore N. 3° E. 3.66 chs dist.
 Mkd T 27 N R 26 E S 27 T
 No other trees within limits.
 This cor. is in a field of J. L. Hubbell, *Reidens* ~~Sec. 15~~ 3' 5' E. 14.
 Surface - 1/2 rough - N 1/2 sloping towards N.
 Soil - 1/2 4th rate. N 1/2 1st rate
 Dense undergrowth 20.00 chains.

East, on a random line between secs 27 and 34.
 40.00 Set temp. 1/4 sec. cor.
 80.00 Intersect N. and S. line 10 lbs ^N of cor of secs.
 26, 27, 34 and 35.
 Thence down
 N. 89° 56' W. on a true line between secs 27 and 34.
 40.00 Set a sand stone 16 x 8 x 6 ins. 1 1/2 ins. in the
 ground, for 1/4 sec. cor. Mkd 1/4 on N. face,
 Dig pit 18 x 18 x 12 ins. E. and N. 3 ft. dist.
 and raise a mound of earth 3 1/2 ft. base

chain

1 1/2 ft high N. of cor. from which
A pinon, 12 ins. in dia, brs. N. 34° 45' W, 1.16 chs
dist. Twd 1/4 S 27 T 3 T.

A juniper 18 ins. in dia, brs. S. 6° 30' E, 70 lks
dist. Twd 1/4 S 34 T 3 T

4400

Enter
Stubbs's Field

80.00 Cor. of sec. 27, 28, 33 and 34.

Surface - E 1/2 rolling - N 1/2 sloping toward N.
Soil - 1st rate

N. 0° 02' W. between sec 27 and 28

3.00 Wire fence - E and W. leave Stubbs's Field

6.70 S. bank Pueblo Colorado Creek - Water. Course SW.

10.30 N. bank Pueblo Colorado Creek

20.00 Foot of ridge

25.00 Top of ridge N. 50° W.

30.00 Foot of ridge

31.70 Road through St. Remo Canyon N.W. 1/4 E.

38.00 Enter timber

4000 Set a sandstone, 23 x 15 x 7 ins., 14 ins. in the ground

impossible to set deeper
for 1/4 sec. cor. Twd 1/4 on N. face. Dig pits
18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a
mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N.
of cor. from which

A juniper, 20 ins. in dia, brs. S. 70° 15' E, 73 lks.
dist. Twd 1/4 S 27 T 3 T

A pinon, 18 ins. in dia, brs. N. 85° W, 1.63 chs. dist.
Twd 1/4 S 28 T 3 T

8000 Set a pinon post, 3 ft long, 4 ins. sq. 24 ins. in
the ground, for cor. of sec. 21, 22, 27 and 28.
Twd

T 27 N S 22 on NE,

R 26 E S 27 on SE,

S 28 on SW. and

S 21 on NW. face, with 2 notches on the S.
and 3 notches on the E. edges. Dig pits 18 x
18 x 12 ins. in each sec, 5 1/2 ft. dist. and
raise a mound of earth, 4 ft base, 2 ft.
high N. of cor. from which

A pinon, 8 ins. in dia, brs. N. 15° 35' E, 39 lks.
dist. Twd T 27 N R 26 E S 22 T 3 T

chain

A pinon 14 ins. in dia, brs. S. 52° E. 103 lbs. dist. Mtd T 27 N R 26 E S 27 BT

A juniper 24 ins. in dia, brs. S. 66° 53' W. 33 lbs. dist. Mtd T 27 N R 26 E S 28 BT

A juniper 8 ins. in dia brs. N. 28° 55' W. 57 lbs. dist. Mtd T 27 N R 26 E S 21 BT.

Surface rolling. N 1/2 covered with pinon & juniper. Soil 2d. rate

Dense undergrowth 4200 chains.

December 27th 1904.

December 28th 1904, at 9^h a.m. sent out all 73rd & 74th and the dist. and detour with the labor

S 89° 56' E. on a random line between secs. 22 and 27

40.00 Set temporary 1/4 sec. cor.

80.00 Intersect N. and S. line at cor. of secs. 22, 23, 26 and 27

Placer & run

N. 89° 56' W. on a true line between secs 22 and 27.

1200 Enter timber

40.00 Set a pinon post, 3 ft. long, 4 ins. sq. 24 ins. in the ground, for 1/4 sec. cor. Mtd 1/4 S 22 on N. face and S 27 on S. face. Dig pits 18 x 18 x 12 ins. E. and W. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. dist. 1 1/2 ft high, N. of cor. from which

A pinon, 16 ins. in dia, brs. N. 1° W. 80 lbs. dist. Mtd 1/4 S 22 BT

A pinon, 10 ins. in dia, brs. S. 25° 50' E. 87 lbs. dist. Mtd 1/4 S 27 BT

80.00 Cor. of secs. 21, 22, 27 and 28

Surface rolling - covered with thick pinon and juniper and grass wood.

Soil 2d rate

Dense undergrowth 80.00 chains

N. 0° 02' W. between secs. 21 and 22. impossible to set deep.

40.00 Set a sandstone 22 x 12 x 5 ins., 12 ins. in the ground for 1/4 sec. cor. Mtd 1/4 on N. face. Dig pit 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of cor. from which A pinon, 12 ins. in dia, brs. N. 89° W. 10 lbs. dist Mtd

Chains

 $\frac{1}{4}$ S 21 BTA juniper, 8 ins. in dia., brs. N. $37^{\circ}10'$ E. 73 lks. dist.Mtd $\frac{1}{4}$ S 22 BT

46.00 Foot of mesa

60.00 Top of mesa

80.00 Set a sandstone $24 \times 11 \times 5$ ins., 14 ins., in the ground, for cor. of sec. 15, 16, 21 and 22. Mtd with 3 notches on the S. edge and 3 notches on the E. face. Dig pit $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor. from which

A pinon, 8 ins. in dia., brs. N. $71^{\circ}25'$ N. 92 lks. dist. Mtd T 27 N R 26 E S 16 BT

A pinon 6 ins. in dia., brs. N. 13° E. 64 lks. dist. Mtd T 27 N R 26 E S 15 BT

A juniper 12 ins. in dia., brs. S. $35^{\circ}30'$ E. 24 lks. dist. Mtd T 27 N R 26 E S 22 BT

A juniper 12 ins. in dia., brs. S. 41° N. 22 lks. dist. Mtd T 27 N R 26 E S 21 BT

Surface $S\frac{1}{2}$ rolling - $N\frac{1}{2}$ mountainous
Soil 2^d rate

Dense undergrowth 80.00 chains

S. $89^{\circ}56'$ E. on a random line between sec. 15 and 22,
40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line 10 lks S. of cor. of sec. 14,
15, 22 and 23.

Thence down

West, on a true line between sec. 15 and 22.

10.75 Foot of mesa

14.10 Top of mesa

40.01 Set a sandstone $20 \times 6 \times 4$ ins., 12 ins., in the ground, for $\frac{1}{4}$ sec. cor. Mtd $\frac{1}{4}$ on N. face. Dig pit $18 \times 18 \times 12$ ins. E. and N. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. from which

A pinon, 13 ins. in dia., brs. N. $17^{\circ}26'$ N. 72 lks. dist.

Mtd $\frac{1}{4}$ S 15 BT

A pinon, 8 ins. in dia., brs. S. $22^{\circ}15'$ N. 1.10 lks. dist.

Mtd S 22 BT

chains
80 02

Cor. of secs, 15, 16, 21 and 22

Surface - rough, mountainous, covered with
pinon and juniper.Soil 3^d rate

Mountainous and dense undergrowth 80.00 chains.

December 28th 1904

December 29th 1904, at 9^h a.m. l.m.t. I set off 35°
 $41\frac{1}{2}^{\circ}$ on the lat. arc; $23^{\circ}11\frac{1}{2}'$ S. on the decl.
 arc, and determine a meridian with the
 solar. at the cor. of secs, 4, 5, 32 and 33, which
 I established December 20th 1904.

Pincer Iron

N. $0^{\circ}08'W$. between secs, 32 and 33.

20.00 To open ground, sloping north

34.25 Wagon road. Ganado to Holbrook. SW and NE,

40.00 Set a pinon post, 3 ft. long, 4 in. sq., 24 in. in the
 ground, for $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ S 32 on N. face
 and S 33 on E. face. Dig pits $18 \times 18 \times 12$ in. N.
 and S. 3 ft. dist. and raise a mound of earth
 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. from which
 A juniper, 20 in. in dia., brs. N. $42^{\circ}30'E$. 3.79 chs.
 dist. $\frac{1}{4}$ S 33 BT

A juniper 18 in. in dia., brs. N. $19^{\circ}W$. 1.73 chs. dist.
 $\frac{1}{4}$ S 32 BT

45.85 S. bank Pueblo Colorado River, Dry. Course West.

53.00 N. bank Pueblo Colorado River

53.50 To fence. E. and W.

59.00 To fence. E. and W.

impossible to set deeper

80.00 Set a sandstone, $24 \times 14 \times 3$ in. 16 in. in the ground
 for cor. of secs, 28, 29, 32 and 33. $\frac{1}{4}$ S 33 with 1 notch
 on the S. edge and 4 notches on the E. ~~face~~
 Dig pits $18 \times 18 \times 12$ in. in each sec, $5\frac{1}{2}$ ft. dist.
 and raise a mound of earth 4 ft. base, 2 ft.
 high, N. of cor. from which

A pinon, 18 in. in dia., brs. S. $4^{\circ}33'E$. 67 chs. dist.
 $\frac{1}{4}$ S 33 BT

A juniper, 20 in. in dia brs N. $50^{\circ}5'E$. 1.57 chs. dist.
 $\frac{1}{4}$ S 28 BT

A juniper 18 in. in dia., brs. N. $55^{\circ}W$. 1.81 chs. dist.
 $\frac{1}{4}$ S 29 BT

Chains

No trees in sec 32 within limits
 Surface - broken, level and rolling
 Soil - South 20.00 chains 4th rate, Balance 1st rate
 Dense undergrowth 20.00 chains.

East, on a random line between secs. 28 and 33
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line $4\frac{1}{2}$ Mts. N. of cor. of secs.
 27, 28, 33 and 34.
 Placer, Iron
 N. $89^{\circ}58'W$. on a true line between secs. 28 and 33
 23.07 Wire fence. Leave Hubbells field
 23.77 Pueblo Colorado Creek. water course S. $89^{\circ}W$. $\frac{1}{4}$ ch wide
 40.00 Set a sandstone, $20 \times 8 \times 4$ ins., 12 ins. ^{impossible to set deeper} in the ground
 for $\frac{1}{4}$ sec. cor. Mid $\frac{1}{4}$ on N. face. Dig pit
 $18 \times 18 \times 12$ ins. E. and W. 3 ft. dist. and raise
 a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high
 N. of cor.
 No trees within limits
 80.00 Cor of secs. 28, 29, 32 and 33.
 Surface - $W\frac{1}{2}$ rolling, $E\frac{1}{2}$ level
 Soil 1st rate

N. $0^{\circ}08'W$. between secs. 28 and 29 ^{impossible to set deeper}
 40.00 Set a sandstone, $24 \times 14 \times 4$ ins. 14 ins. in the
 ground for $\frac{1}{4}$ sec. cor. Mid $\frac{1}{4}$ on N. face,
 Dig pit $18 \times 18 \times 12$ ins., N. and S., 3 ft. dist.,
 and raise a mound of earth, $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft high, N. of cor.
 No trees within limits
 80.00 Set a sandstone $26 \times 8 \times 4$ ins. ^{impossible to set deeper} 16 ins. in the
 ground, for cor of secs. 20, 21, 28 and 29. Mid
 with 2 notches on the S. edge and 4 notches
 on the E. ~~edge~~. Dig pit $18 \times 18 \times 12$ ins.
 in each sec. $5\frac{1}{2}$ ft. dist and raise a
 mound of earth, 4 ft. base, 2 ft. high
 N. of cor. No trees within limits
 Surface level
 Soil 1st rate

December 29 1904

chain Reg. Co. at 92 Am hnt. I set off 83 8/10 on the decl. arc and 35 4/3 N on the lat. arc and determine

89° 58' E. on a true line between Sec 21 and 28

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line 9 lns N. of cor of secs, 21. 22 27 and 28.

Shuce I run

N. 89° 54' N. on a true line between Sec 21 and 28.

14.00 Leave timber

15.50 Arroya 2.50 ch wide. Course S.

40.00 Set a pinow post, 3 ft. long, 4 ins. sq., 24 ins. in the ground, for 1/4 sec. cor. Wtd 1/4 S 21 on N. and S 28 on S. face, dig pits 18 x 18 x 12 ins E. and W. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high, N. of cor, from which

A pinow, 12 ins. in dia., brs, N. 23° 25' E. 1.63 ch dist. Wtd 1/4 S 21 BT

A juniper, 26 ins. in dia., brs, S. 43° 10' E. 1.21 ch dist. Wtd 1/4 S 28 BT

50.00 Arroya. 80 lns wide. course S.

65.00 Wagon road. Ganado to Keams Canon NW and SE.

80.00 Cor of secs. 20. 21. 28 and 29

Surface rolling

Soil 1st rate

Dense undergrowth 14.00 chains

N. 0° 0' N. between Sec. 20 and 21

9.90 Wagon road. Ganado to Keams Canon NW and SE.

37.00 Fence - E and W. impossible to set deeper

40.00 Set a sandstone, 22 x 9 x 4 ins. 14 ins. in the ground, for 1/4 sec. cor. Wtd 1/4 on N. face, dig pits 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

no trees within limits impossible to set deeper

80.00 Set a sandstone, 20 x 8 x 6 ins., 12 ins. in the ground, for cor. of secs. 16. 17. 20 and 21. Wtd with 3 notches on the S. edge and 4 notches on the E. face, dig pits 18 x 18 x 12 ins. in each sec 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. from which

Chains

- A pinon, 7 ins. in dia, brs. S. 82° 5' E. 1.04 chs. dist: Mhd T 27 N R 26 E S 21 T 3 T
- A juniper, 10 ins. in dia, brs. S. 10° 15' N. 41 lbs dist: Mhd T 27 N R 26 E S 20 T 3 T
- A pinon, 12 ins. in dia, brs. N. 53° 35' W. 2.97 chs. dist: Mhd T 27 N R 26 E S 17 T 3 T
- A juniper, 14 ins. in dia, brs. N. 14° 45' E. 23 lbs. dist: Mhd T 27 N R 26 E S 16 T 3 T

Surface level
Soil 1st rate

- S. 89° 54' E. on a random line between sees. 16 and 21
- 40.00 Set temp. 1/4 sec. cor.
- 79.96 Intersect N. and S. line 10 lbs S. of cor. of sees. 15-16, 21 and 22.
- Pinus J. sum
- N. 89° 58' W. on a true line between 16 and 21.
- 600 Edge of mesa.
- 3900 Foot of mesa, leave timber impossible to set deeper
- 3998 Set a sandstone, 20 x 12 x 4 ins. 12 ins. in the ground for 1/4 sec. cor. Mhd 1/4 on N. face, Dig pits 18 x 18 x 12 ins. E. and W. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor. from which
- A juniper, 20 ins. in dia, brs. N. 71° 40' E. 1.00 ch. dist. Mhd 1/4 S 16 T 3 T
- A pinon, 16 ins. in dia, brs. S. 56° 45' E. 1.59 chs. dist. Mhd 1/4 S 21 T 3 T
- 4770 Fence - N. and S. Indian field
- 5500 Fence N. and S.
- 79.96 Cor. of sees. 16, 17, 20 and 21.

Surface - E 1/2 broken and mountainous. W 1/2 rolling
Soil W 1/2 1st rate E 1/2 4th rate

Dense undergrowth and mountainous 3900 chains

December 30 - 1904

~~December 30th 1904,~~

December 31st 1904 at 9 a.m. l.m.t. I set off 35° 41' 1/2 N on the lat. arc; and 23° 41' 1/2 S on the decl. arc; and determine a meridian with the solar at the corner of sees. 5, 6, 31 and 32, on the S,

chains

- body. of the 5th, which I established December 20th 1904.
- Thence down
N. 0° 03' W. between secs. 31 and 32.
- 2.50 S. bank of Pueblo Colorado brook - dry course SW.
- 8.50 N. bank of Pueblo Colorado brook.
- 40.00 Set a sandstone, 16 x 10 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. Mtd $\frac{1}{4}$ on N. face. Dig pits 18 x 18 x 12 ins. N and S. 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
No trees within limits. impossible to set deeper
- 80.00 Set a sandstone 20 x 7 x 6 ins. 12 ins. in the ground for cor. of secs. 29, 30, 31 and 32. Mtd with 1 notch on the S. edge and 5 notches on the E. ^{edge} face. Dig pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
No trees within limits
Surface level - covered with thick grass wood.
Soil 1st rate
Dense undergrowth 71.50 chains.

- East, on a random line between secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line 2 Mts ^{N.} S. of cor. of secs. 28, 29, 32 and 33.
- Thence down
N. 89° 59' W. on a true line between secs. 29 and 32
- 40.00 Set a sandstone, 21 x 7 x 4 ins., 12 ins. ^{impossible to set deeper} in the ground, for $\frac{1}{4}$ sec. cor. mtd $\frac{1}{4}$ on N. face. Dig pits 18 x 18 x 12 ins. E. and W. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
No trees within limits
- 61.50 Arroyo 100 ch. wide. Course south
- 80.00 Cor. of secs. 29, 30, 31 and 32.
Surface rolling
Soil 1st rate,

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

Chains

- 40.00 Set temp 1/4 sec. cor.
 79.00 Intersect West Eddy of Twp. 10 lts N. of cor. of secs. 30, 31, 25 and 36, which I established Dec. 21st 1904.
 Thence I run
 N. 89° 56' E. on a true line between secs. 30 and 31.
 26.30 Arroyo 30 lts. wide, course S.
 39.00 Set a sandstone 18 x 10 x 3 ins, 12 ins. in the ground, for 1/4 sec. cor. Mtd 1/4 on N. face. Dig pit 18 x 18 x 12 ins. E. and W. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high N. of Cor.
 No trees within limits
 79.00 Cor. of secs. 29, 30, 31 and 32.
 Surface - E. 1/2 level. W. 1/2 rolling and broken
 Soil - E. 1/2 1st rate - W. 1/2 2^d rate.

- N. 0° 03' N. between secs. 29 and 30. impossible to set deeper
 40.00 Set a sandstone 23 x 9 x 4 ins, 14 ins. in the ground, for 1/4 sec. cor. Mtd 1/4 on N. face Dig pit 18 x 18 x 12 ins. N. and S. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high. W. of Cor.
 No trees within limits.

- 73.00 Foot of hill
 74.60 Top of hill impossible to set deeper
 80.00 Set a sandstone, 25 x 12 x 4 1/2 ins. 16 ins. in the ground, for cor. of secs. 19, 20, 29 and 30. Mtd with 2 notches on S edge and 5 notches on E. ~~face~~ Dig pit, 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft base, 2 ft. high, W. of cor. from which
 A juniper, 20 ins. in dia, brs. S. 81° 35' E. 38 lts. dist. Mtd T 27 N R 26 E S 29 T 3 T
 A juniper 18 ins. in dia, brs. N. 30° 20' W. 76 lts. dist. Mtd T 27 N R 26 E S 19 T 3 T
 A juniper, 16 ins. in dia, brs. S. 88° 55' W. 100 ch. dist. Mtd T 27 N R 26 E S 30 T 3 T
 A juniper, 18 ins. in dia, brs. N. 41° 20' E. 158 chs. dist. Mtd T 27 N R 26 E S 20 T 3 T

Chains

Surface level except N. 700 chs. which is rough
Soil 1st rate

December 31st 1904

January 2^d 1905. ^{at 1/2 am. lat. Det off 22° 54' on the decl. arc. and 35457}
^{with lat. arc and determine a meridian with the color.}
S. 89° 59' E on a random line between Sec 20 and 29.

40.00 Set temp 1/4 sec cor.

80.08 Intersect N. and S. line 9 Mts. S. of cor of secs.
20, 21, 28 and 29.

Thence I run

S. 89° 57' N. on a true line between secs 20 and 29

28.88 Arroyo 76 Mts wide, course S. impossible to set depth

40.04 Det a sandstone, 23 x 9 1/2 x 3 ins., 14 ins. in the
ground, for 1/4 sec. cor. Mtd 1/4 on N. face
Dig pits 18 x 18 x 12 ins. E. and W. 3 ft. dist.
and raise a mound of earth, 3 1/2 ft. base 1 1/2 ft.
high N. of cor.

No trees within limits

75.00 Foot of hill

79.50 Top of hill

80.08 Cor. of secs. 19, 20, 29 and 30.

Surface rolling
Soil 1st and 2^d rate.

S. 89° 56' N. on a random line between secs 19 and 30

40.00 Det temp. 1/4 sec. cor.

79.02 Intersect W. body of Tp. 5 Mts. S. of cor. of secs. 19,
30, 24 and 25 which I established Dec 20th 1904

Thence I run

N. 89° 58' E. on a true line between secs 19 and 30.

39.02 Det a sandstone, 24 x 6 x 4 ins., 16 ins. in the ^{impossible to set depth}
ground, for 1/4 sec. cor. Mtd 1/4 on N. face,
Dig pits 18 x 18 x 12 ins. E. and W., 3 ft. Dist.
and raise a mound of earth 3 1/2 ft. base
1 1/2 ft high, N. of Cor. from which

A juniper, 14 ins. in dia., brs. S. 21° 10' E. 83 Mts.
dist. Mtd 1/4 S 30 BT

A juniper, 10 ins. in dia., brs. N. 84° 35' N. 97 Mts
dist. Mtd 1/4 S 19 BT

79.02 Cor. of secs. 19, 20, 29 and 30.

chains

Surface rough and broken - covered with scrub pine and juniper.
Soil 3^d rate
Dense undergrowth 79.02 chains.

40.00 N. 0° 03' W between Secs. 19 and 20 impossible to set deep
Set a sandstone, 20 x 12 x 3 ins. 12 ins. in the ground, for 1/4 sec. cor. W. 1/4 on N. face
Dig pits 18 x 18 x 12 ins. N. and S. 3 ft. dist.
and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. from which
A juniper, 14 ins. in dia., brs. S. 52° 10' W. 54 lbs. dist. W. 1/4 S 19 T

A juniper, 24 ins. in dia., brs. S. 29° 45' E 160 lbs. dist. W. 1/4 S 20 T

56.00 Leave timber. Wagon road. Grants to Keams Canon N.W. and S.E.

80.00 Set a pinon post, 3 ft. long, 4 ins. sq. 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20.
W. 1/4

T 27 N S 17 on NE,

R 26 E S 20 on SE,

S 19 on S.W. and

S 18 on N.W. face, with 3 notches on the S. edge and 5 notches on the E. ^{edge} face. Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. from which

A juniper, 18 ins. in dia., brs. South, 18 lbs. dist. W. 1/4 T 27 N R 26 E S 19 B T S 20

A pinon, 8 ins. in dia., brs. N. 5° 8' E. 173 lbs. dist. W. 1/4 T 27 N R 26 E S 17 B T

A juniper, 8 ins. in dia., brs. N. 15° 50' W. 168 lbs. dist. W. 1/4 T 27 N R 26 E S 18 T

No other trees within limits in secs 19 and 20.

Surface rough and broken

Soil 3^d rate

Dense undergrowth 56.00 chains.

January 2^d 1907

January 3^d 1905 ^{at 9^h am. mt. Set of 22-50' on the decl. sec and 35-42' with the lat on and determine a true meridian with the same}

N. 89° 57' E. on a random line between secs 17 and 20.

40.00 Set time 1/4 sec. cor.

80.08 Intersect N. and S. line 3 lks N. of cor. of secs. 16, 17
20 and 21.

Thence down

S. 89° 58' W. on a true line between secs 17 and 20.

40.04 Set a sandstone, 21 x 11 x 4 ins. 14 ins. ^{impossible to set deeper} in the ground for 1/4 sec. cor. Mark 1/4 on N. face. Dig pits 18 x 18 x 12 ins. E. and W. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high ^{N. of Cor.} from which

A juniper 10 ins. in dia., br. North 4 lks dist.

Mark 1/4 S 17 BT

A juniper 8 ins. in dia., br. S. 63° E. 55 lks dist.

Mark 1/4 S 20 BT

47.00 Leave timber

80.08 Cor of secs. 17, 18, 19 and 20.

Surface rolling

Soil 2^d rate

Dense undergrowth 47.00 chains

S. 89° 58' W. on a random line between secs 18 and 19

40.00 Set time 1/4 sec. cor.

79.01 Intersect N. bdy. of Twp. 12 lks. S. of cor. of secs 18, 19, 13 and 24 which I established Dec. 21st 1904

Thence down

S. 89° 57' E. on a true line between secs 18 and 19

9.25 Leave timber, Wagon road Canada to Neams Canyon ^{W. of Sec.}

39.01 Set a sandstone 22 x 8 1/2 x 4 1/2 ins. 12 ins. ^{impossible to set deeper} in the ground for 1/4 sec. cor. Mark 1/4 on N. face. Dig pits 18 x 18 x 12 ins. E and W. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base 1 1/2 ft. high N. of cor.

No trees within limits

79.01 Cor of secs. 17, 18, 19 and 20.

Surface rough and broken

Soil 4th rate

chains

Dense undergrowth 9.25 chains.

January 23 1905

Samuel E. Day

U. S. Deputy Surveyor

Latitudes, departures, and closing errors.

Line designated	True bearing	Distance	Latitudes		Departures		
			N.	S.	E.	W.	
South boundary	West	^{one} 478.96	^{one}	^{one}		^{one} 478.96	
West boundary	North	240.00	240.00				
East boundary	South	240.00		240.00			
North bdy between secs 18 & 19	S. 89° 58' E.	79.01		.05 0.05		79.01	
" " " 17 & 20	N. 89° 58' E.	80.08	.05 0.05			80.08	
" " " 16 & 21	S. 89° 58' E.	79.96		.05 0.05		79.96	
" " " 15 & 22	East	80.02				80.02	
" " " 14 & 23	S. 89° 58' E.	80.00		.05 0.05		80.00	
" " " 13 & 24	S. 89° 58' E.	79.98		.05 0.05		79.98	
Convergence						.26	
Totals			240.05 240.043	241.20 241.27		479.31	478.96
				240.05 240.043		478.96	
				0.15 0.167			Error in dep.

Error in lat

General description

This township is very rough and broken in all but the south west portion where the land is more level and suitable for agricultural purposes. The high land are covered with Pinon, juniper and sage brush and are only good grazing lands. There is but one settler in the township, Mr J. L. Hubbell, on sec. 27-33 & 34. The Navajo Indians cultivate little patches along the creek but make no permanent abode there -

Samuel E. Day

U. S. Deputy Surveyor

LIST OF NAMES.

A list of the names of the individuals employed by Samuel E. Day

....., 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 subdivisional lines of T. 27 N. R. 26 E. Gaud S. R. B. and M.

showing the respective capacities in which they acted:

Samuel E. Day Jr......, Chainman.

William A. Day....., Chainman.

White Singer....., Moundman.

....., Moundman.

Left Hand....., Axman.

Yellow Left Hand....., Flagman Axman.

Tall Man....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Samuel E. Day....., United States Deputy Surveyor, in surveying all

those parts or portions of the the subdivisional lines of Township 27 North, Range 26 East

..... of the Gila and

Salt River Base and meridian, Territory of Arizona....., which 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 Arizona

Samuel E. Day Jr., Chainman.

William A. Day, Chainman.

Witnesses as to all the signatures. White Singer ^{his} X....., Moundman.

William A. Day....., Moundman.

Samuel E. Day Jr. Left Hand ^{his} +....., Axman.

Yellow Left Hand ^{his} +....., Flagman Axman.

Tall Man ^{his} X....., Flagman.

Subscribed and sworn to before me this 5th day of January 1905, 1897



Samuel E. Day
U.S. Deputy Surveyor

54 29

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 1875

I, Samuel E. Day, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Hugh W. Price United States Surveyor General for Arizona, bearing date of the 16th day of April 1903, 189, 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 Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisional lines of Township 27 North Range 26 East

of the Gila and Salt River Base and meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and 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 original 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.

Samuel E. Day United States Deputy Surveyor.

Subscribed by said Samuel E. Day, and sworn to before me } this 2nd day of Febry 1905, 189

J. W. Meyers Probate Clerk W. R. Kirby Co. U. S. Mex



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, AZ, July 14, 1906, 189

The foregoing field notes of the survey of the subdivisional lines of T27N R. 26 East of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by Samuel E. Day, U. S. deputy surveyor under his contract No. 106, dated April 16, 1903, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Higgins United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

United States Surveyor General.