1851
Book "B"

BOOK 1851

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township 1 South Range 13 East

and the

Retracement

of the

Gila and Salt River Base Line

through

Range 13 East.

1851

Of the Gila and Salt River Base and Meridian,

AS SURVEYED BY

Alexander B. Titus, Compassman, United States Deputy Surveyor,

Under his Contract No. 81, dated May 23rd, ~~1902~~ 1901

Survey commenced May 9th, 1905

Survey completed June 10th, 1905

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BOOK 1851

NAMES AND DUTIES OF ASSISTANTS.

Orlando E Towers	Chainman
Daniel Hayes	Chainman
Robert Jones	Moundsman
Geo Huber	Moundsman
Ross Daley	Axeman
Thomas Judge	Axeman
Frank Nash	Flagman

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BOOK 1851

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BOOK 1851

PRELIMINARY OATHS OF ASSISTANTS.

WE, Orlando E. Sowers and Daniel Hayes

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 Exterior and Subdivision lines of T. 1 S. R. 13 E. G and S. R Meridian

Orlando E. Sowers, Chainman.

Daniel Hayes, Chainman.

Subscribed and sworn to before me this 7th day of April, 1905

Francis B Jacobs

SEAL My commission expires Mar. 3, 1908 Notary Public

WE, Robert Jones and Geo Hubert

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 our skill and ability, in the survey of Exterior and Subdivision lines of T. 1 S. R. 13 E. G and S. R Meridian

Robert Jones, Moundman.

Geo Hubert, Moundman.

Subscribed and sworn to before me this 7th day of April, 1905

Francis B. Jacobs

SEAL My commission Expires Mar. 3, 1908 Notary Public

WE, Ross Daley and Thomas Judge

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 our skill and ability, in the survey of Exterior and Subdivision lines of T. 1 S. R. 13 E. G and S. R Meridian

Ross Daley, Axman.

Thomas Judge, Axman.

Subscribed and sworn to before me this 7th day of April, 1905

Francis B Jacobs

SEAL My commission expires Mar. 3, 1908. Notary Public

I, Frank Nash, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Exterior and Subdivision of T. 1 S. R. 13 E. G and S. R. Meridian

Frank Nash, Flagman.

Subscribed and sworn to before me this 30 day of April, 1905

Alexander B. Titus

Compassman

SEAL

6—151

Survey Commenced May 9th 1905 and executed with a W. and L. E. Gurley light mountain transit, not numbered, with Burt's improved solar attachment, the horizontal limb having two double verniers, placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, Arizona, found correct and was approved by the Surveyor General of Arizona Territory. I examine the adjustments of the transit and find them correct; then to test the solar apparatus by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with the meridian determined by observation on Polaris I proceed as follows

May 9th 1905. At my camp at Pinal ranch lat. 33°20 N. long. 111°03' W., at 8h a.m. l.m.t. I set off 17°18 N. on the decl. arc, 33°20 N. on the lat. arc. and mark a point in the meridian determined with the solar by a cross on the stone set April 7th 1905, 5 chains N. of my station; the mark falls 0.3" ins E. of the meridian established by the Polaris observation on April 7, 1905.

May 9th at 4h p.m. l.m.t. I set off 17°23' N. on the decl. arc, 33°20 N. on the lat. arc. and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chains N. of my station, which falls 0.2 ins. west of the meridian, established by Polaris observation.

The solar apparatus by a.m. and p.m. observations defines position for meridian respectively about 16" east and 10" west of the meridian established by Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 30m a.m. is N. 13° W.; the angle thus determined gives the magnetic declination of 13° East.

Chains

At the corner of Secs. 1, 2 35 and 36 on the S. bdy. of the tp. which is a trachite stone 12 x 8 x 6 ins. above ground, firmly set and marked, witnessed and described in the notes of the South bdy of the tp. - May 9th 1905 at 8 a.m. l.mt. I set off 33° 17' 33° 48' on the lat. arc and 17° 18' W. on the decl. arc and determine a true meridian with the solar. The Magnetic bearing of the true meridian at 8:30 a.m. is N. 13° W. the angle thus determined, reduced by the table, page 100 gives the mean magnetic dec'l 13° E.

From the tp. Cor. above described I run

N. 0° 01 W. bet. secs. 35 and 36

over rough mountainous land, ascend

9.60 Ridge bears E. and W.

Descend

Gulch Course S. W.

Ascend

34.60 Ridge bears NE and SW.

Descend

48.00 Falls on rock in place 6 x 6 x 4 ft. above ground

I cut a cross + at the exact cor. point for 1/4 Sec. cor. marked 1/4 on W. side of cross from which

An Oak 10 ins. in diam. bears S. 31° 15' E. 117 lks. dist.

Mkd 1/4 S. 36 B.T.

A 6 ins. in diam. bears N. 58° 14' W. 204 lks dist.

Mkd 1/4 S. 35 B.T.

48.00 Course S. W. Ascend

70.77 High Ridge bears. N. E and S. W. descend.

80.00 Falls on rock in place 6 x 5 x 2 ft. above ground

I cut a cross + at the exact cor. point for corner of secs. 25, 26, 35 and 36 marked with 1 notch on S and 1 notch on E. sides of cross; and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Pits impracticable ~

A Juniper 6 ins in diam. bears S. 81° 30' W. 170 lks. dist.

Mkd. T. 1 S. R. 13 E. S. 35 B.T.

No other trees within limits

Land Mountainous and rough

Soil light and thin; 4th rate

Timber scattering ~~scrub Oak~~ and Juniper

Mountainous Land 80.00 Chains

Subdivision of T. 1 S. R. 13 E.

Chains	
	S. 89°55' E. on a random line bet. Secs 25 and 36
40.00	Set temp. 1/4 Sec. cor.
79.90	Intersect E. bdy of tp. 14 links N. of cor. of Secs 25, 30, 31 and 36
	Thence I run
	N. 89°49' W. on a true line bet. secs. 25 and 36
	over mountainous land, ascend
15.30	Ridge bears N. and S. Descend
36.00	Gulch Course S. W. Ascend
39.95	Falls on rock in place 4 x 4 x 1½ ft. above ground I cut a cross + at the exact cor. point for 1/4 sec. cor. mkd 1/4 on N side of cross; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable, From which An Oak 5 ins in diam bears S 63°40' W. 144 lks. dist. mkd 1/4 S 36 B.T. No other trees within limits
	Ascend
45.50	Top of mountain covered with large boulders bears N.E. and S.W. Descend
66.00	Gulch course S.W.
	Ascend
75.00	Ridge bears N. 20° E and S 20° W.
	Descend
79.90	The corner of Secs 25, 26, 35 and 36
	Land mountainous and very broken
	Soil rocky; 4th rate
	Timber Scattering - scrub oak
	Mountainous Land
	79.90 Chains
	May 9th 1905

May 10

	N. 0°01' W. bet. secs 25 and 26
	over mountainous land - descend
4.70	Gulch Course S. 38° W.
	Ascend along S.E. slope of high ridge
26.20	Flat top ridge bears N.E. and S.W.
30.30	Descend steep hillside
40.00	Falls on boulder 5 x 3 x 2 ft. above ground, I cut a cross + at the exact cor. point for 1/4 sec. cor. mkd 1/4 on W. side of cross; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. from which A Juniper 8 ins. in diam. bears S. 39°30' E. 24 lks. dist. Marked 1/4 S 25 B.T. No other trees within limits at this 1/4 cor. at 10 a.m. I set off 17°30' N. on decl arc. 33°19' N on lat. arc. and determined a true Mer with the Solar

Chains	
44.60	Gulch Course S.W.
	Ascend
55.30	Saddle on ridge bears N.E. and S.W.
	Descend
65.30	Enter deep Gulch 30 lks wide Course S. 10° W.
68.30	Leave Gulch ascend steep hill
80.00	Set a trachite stone 30 x 12 x 4 ins. in mound of stone for cor of secs. 23, 24, 25 and 26 mkd with 2 notches on S. and 1 notch on E sides; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	Cor. is located on W. side of deep gulch, Course S.W.; high boulders on N. and W. of cor.
	Land mountainous
	Soil light and rocky; 4th rate
	No Timber
	Mountainous land 80.00 Chains

	S. 89° 49' E. on a random line bet. secs. 24 and 25
40.00	Set temp. ¼ sec. cor.
80.10	Intersect E. bdy of the S. of cor. of secs 19, 24, 25 and 30
	Thence I run
	N. 89° 56' W on a true bet. 24 and 25
	Over rough mountain land. Ascend
12.00	High ridge bears N.E and S.W.
23.80	Descend
34.70	Deep Gulch Course S.W.
40.05	Set trachite stone 20 x 12 x 10 ins 15 ins in the ground for ¼ Sec. cor. mkd ¼ on N. side; and raise a mound of stone 2½ ft. base 2 ft high N. of cor.
	Pits impracticable. From which.
	A Juniper 4 ins in diam. bears S. 53° 30' W. 99 lks. dist
	Mkd. ¼ S 25 B T No other trees within limits
	Ascend
45.00	Ridge bears N. and S.
	Descend
49.50	Swale
	Ascend
56.00	High ridge bears N. and S.
	Descend

Subdivision of T. 1 S., R. 13 E.

Chains	
76.00	Gulch Course S. W. ascend.
80.10	The cor. of secs. 23, 24, 25 and 26
	Land mountainous
	Soil light; 4th rate
	No Timber
	Mountainous Land 80.10 Chains
	May 10th 1905

May 11, 1905.

N. 0°01' W. bet. secs. 23 and 24
over mountain Land. Ascend

11.50	Ridge bears N. E and S. W.
	Descend along N. slope of ridge
40.00	Set trachite stone 22x12x5 ins. 16 ins in the ground for 1/4 sec. cor. mkd. 1/4 on W. face. from which
	A Juniper 20 ins in diam, bears N. 89°40' E 102 lks. dist. Mkd 1/4 S 24 B.T.
	A. Juniper 8 ins in diam. bears S 29°45' W. 137 lks. dist Mkd. 1/4 S 23 B.T.
53.80	Head of Long Draw Course S 20° W.
57.80	Ascend slightly to low pass
	Descend; follow down gulch Course N.
65.60	Enter thicket of Cedar, Oak and brush
77.10	on E. side of gulch
80.00	Set a trachite stone 24x12x4 ins. 18 ins, in the ground for cor. of secs. 13, 14, 23 and 24 mkd with 3 notches on S and 1 notch on E. edges from which
	A Juniper 12 ins in diam. bears N. 53° E 135 lks. dist. Mkd T. 1 S., R. 13 E. S 13 B.T.
	An Oak 10 ins in diam bears S 50°45' E 42 lks. dist. Mkd. T. 1 S., R. 13 E S 24 B.T.
	An Oak 14 ins in diam. bears S. 12°30' W. 91 lks dist. Mkd. T. 1 S., R. 13 E S. 23 B.T.
	An Oak 12 ins in diam. bears N. 0°15' W. 27 lks. dist. Mkd. T. 1 S., R. 13 E S 14 B T
	Land mountainous and brushy
	Soil thin; 4th rate
	Timber, Juniper and Oak with underbrush - Manzanita, scrub oak and buckbrush
	Mountainous Land, Dense Undergrowth 80.00 Chains.

Chains	
	May 11th 1905. At 2½ p.m. l.m.t. I set off 33°20' on the lat arc. and 17°53' N on the decl arc. and determine a true meridian with the solar.
	S. 89 56' E. on a random line bet Secs. 13 and 24
40.00	Set temp. ¼ sec. cor
80.00	Intersect E. bdy of tp. 30 lks N. of cor. of secs 13, 18, 19 and 24
	Thence I run
	N. 89°43' W. on a true line bet. secs 13 and 24 over rough broken land along N. slope of Hutton's Mountain. Descend
25.00	Gulch course N. ascend.
29.60	White ridge bro. N. and S. spur of Hutton's butte
40.00	Set trachite stone 18×10×6 ins. 12 ins in the ground for ¼ sec. cor. marked ¼ on N. side from which, An Oak 5 ins. in diam. bro. S. 37°40' W. 139 lks dist. marked ¼ S 24 B.T.
	A Juniper 6 ins in diam. bro. N 44°30' W 25 lks dist. marked ¼ S 13 B T
	From this cor. the chimney on the N. end of dwelling house, Pinal ranch bro. N. 6°20 W.
	N.W. Cor. Orchard fence bro. N. 7°40' E.
	Signal Mountain bro. N. 28°30' W.
	Ascend steep hill
55.40	Top of round top mountain 250 ft. high
	Descend rapidly
69.50	Break of hill
80.00	The Cor. of Secs 13, 14, 23 and 24
	Land rough and mountainous
	Soil thin; 4th rate
	Timber scattering
	Mountainous land 80.00 Chains
	May 11th 1905
May 12.	At this cor. at 7 a.m. l.m.t. I set off 18°5' on decl arc and 33°20' on lat arc and determine a true Mer. with the solar.
	N. 0° 1' W bet. Secs 13 and 14
	over rolling land, through thick growth of Cedar, oak and juniper from 6 ins to 3 ft. diam.
	Descend slightly into rocky flat
1.50	Gulch course N. 10 W.
11.51	Trail from the Superior Mine to Globe bro. E and W.
12.88	Wire fence Bro. E and W. (Irons on Crags)
16.70	Wash 20 lks wide Course W.
17.70	Leave timber and enter small stony flat

Chains	
31.30	Leave flat. Ascend hillside covered with boulders,
39.00	Stone Wall brs. E and W. from Craig's Mountain pasture
40.00	Falls on stone in place 36 x 24 x 8 ins. above ground I cut a cross + at the exact cor. point for 1/4 Sec. cor. marked 1/4 on W. side of cross; and raise a mound of stone 2½ ft. base 2 ft. high W. of cor. Pits impracticable — From which A. Juniper 5 ins in diam. bears N 81° 25' W. 188 lks dist marked 1/4 S 14 B.T. No other trees within limits
	Ascend along W slope of Signal Mountain
51.50	Spur of Signal Mountain brs N.E. and S.W.
58.00	Steep gulch Course S.W.
	Ascend steep hillside covered with loose boulders
80.00	Set a trachite stone 24 x 12 x 10 ins 18 ins in ground, mound of stone for cor. of secs 11, 12, 13 and 14 marked with 4 notches on the S and 1 notch on the E. sides; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land Mountainous
	Soil light and thin — 4th rate — 60. chains
	Gravel and loam 2nd rate 20 "
	Timber: Oak and Juniper and dense undergrowth
	Heavy Timber, dense Undergrowth and Mountainous Land 80.100 chns

	S. 89° 43' E. on a random line bet secs 12 and 13
40.00	Set temp 1/4 Sec. cor.
80.20	Intersect E. bdy. of tp. 13 lks S. of cor. of secs 7, 12, 13 and 18
	Thence I run
	N. 89° 49' W. on a true line bet 12 and 13 over rolling land, through dense undergrowth
14.80	Wagon road from Pinal ranch to Globe brs. N.E. and S.W.
29.00	Ascend gradually Trail brs. N and S.
40.10	Set a trachite stone 20 x 12 x 14 ins 13 ins in the ground marked for 1/4 sec. cor. marked 1/4 on W. face from which; An Oak 8 ins in diam bears S. 77° 30' E. 118 lks dist. marked 1/4 S 13 B T A Juniper 16 ins diam. brs N 31° 45 W. 48 lks dist. mkd 1/4 S 12 B T
	Ascend

Chains	
41.70	Leave brush and trees
53.00	A low pass bro. N. and S.
	Descend
61.20	Gulch Course S.W.
	Ascend along S. slope of hillside covered with boulders
80.20	The cor. of Secs 11. 12. 13 and 14
	Land 40 chns rolling with dense under brush
	40 " mountainous with underbrush
	Soil 2nd and 4th rate
	Timber Juniper, Oak —
	Mountainous and dense undergrowth 80.00 Chns
	May 12th 1905

May 13. at this cor. at 7 a.m. L.M.t. I set off 18° 25' W on dist arc and 133° 21' N on lat arc and determined a true Mer. with the Solar

N 0° 1' W bet secs 11 and 12

Over rough mountainous land through scattering timber and brush — ascend

3.25	On ridge bro E. and W.
7.40	In saddle bro. E and W.
	Descend
16.00	Gulch Course S. 76° W. ascend
22.00	Ridge bro. N.E. and S.W.
	Descend
27.90	Gulch Course S.W. ascend
38.00	Top of high ridge bro E and W.
40.00	Falls on stone in place 8 x 5 x 8 ft above ground

I cut a cross + at the exact cor. point for 1/4 sec. cor. marked 1/4 on W side of cross; and raise a mound of stone 2 ft base, 1 1/2 ft high W of cor.

Pits impracticable, from which

A Juniper 10 ins diam. bro. S 64° 15' E 84 lks dist marked 1/4 S 12 BT

No other trees within limits

Descend

Gulch Course W.

Ascend over small loose boulders —

61.00	On ridge bro. E and W.
73.00	Enter dense growth of Manzanita
80.00	Set a trachite stone 18 x 14 x 5 ins 12 ins in ground marked with 5 notches on S and 1 notch on E. edge

1-2-11-12

Raise mound of stone 2 ft. base 1 1/2 ft high W. of cor.

Pits impracticable — From which

A Pine 5 ins diam bro. N. 84 E 44 lks dist

Marked T 1 S R 13 E S 1 ST

Subdivision of T. 1 S. R. 13 E.

Chains	
	No other lots within limits
	Cor. is located in heavy manzanita thicket. now
	N. edge
	Land mountainous and rough
	Soil, light; 4th rate
	Timber scattering
	Mountainous land dense undergrowth 80.00 Chains
	S 89° 49' E on a random line bet. secs. 1 and 12
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect E. bdy of Tp. 1 S lks N of cor. of Secs 1, 6, 7 and 12
	Thence I run
	N. 89° 45' W. on a true line bet. secs. 1 and 12
	over rough mountainous land through brush
2.80	Descend
8.00	Gulch Course N. W. ascend
18.60	Ridge bro N. and S.
	Descend steep hillside
31.20	Powers gulch Course N.
31.60	Trail to Pinto Creek bro. N and S.
37.80	Ascend steep hillside. Enter dense undergrowth
40.08	Set a trachite stone 22 x 10 x 4 ins 15 ins in the ground
	for 1/4 sec. cor marked 1/4 on N. face; from which
	An Oak 6 ins diam. bro N. 26° 20' E. 20 lks. dist.
	marked 1/4 S 1 W B.T.
	An Oak 5 ins diam. bro. S. 36° 35' W. 42 lks. dist.
	marked 1/4 S 12 W BT
	Cor. is located on S side small gulch. Course E.
	Ascend through dense undergrowth
52.80	On spur of high mountain sloping E.
68.00	Top of mountain 700 ft. high, bears N. and S.
	Descend down gulch course W.
80.16	The cor. secs. 1, 2, 11, and 12
	Land mountainous and rough
	Soil. 4th rate
	Timber ~ Scattering Oak
	Mountainous Land and dense undergrowth
	80.16 chains —
	May 13th 1905

May 15, 1905

The Land North of this cor. is impracticable to survey on account of high rough mountains and deep gulches.

I return to S. bdy of Tp.

Chains	
	From the Cor. of Sec's 2.3.34 and 35 which is a trachite stone firmly set in a mound of stone marked and witnessed as described in the notes of the S. bdy. of t/s. May 15th I determine true mer. at this cor at 8h 30' l.m.t I set off 18°49' N on decl arc and 33° 17' 1" on lat. arc and determined a true Mer. with the Solar
	N. 0° 1' W. bet secs. 34 and 35
	over mountainous, rough land
0.85	Low ridge bears E. and W.
	Descend
17.60	Gulch Course W.
	Ascend
20.38	Top of high ridge bears E and W.
21.30	Edge of Steep descent
27.80	Head of Gulch course W.
	Ascend over rough land
38.60	Ridge brs N.E. and S.W.
40.00	Falls on Stone in place 18 x 12 x 6 ins above ground I cut a cross + at the exact cor. point for 1/4 S. cor marked 1/4 on W. side of cross; from which
	An Oak 10 ins. diam. bears N. 74°40' E. 128 lks dist. marked 1/4 S. 35 BT
	An Oak 8 ins diam bears S 85°15' W 121 links dist. marked 1/4 S 34 BT
	Descend
52.00	~~Head of~~ gulch course S.W.
	Ascend
63.40	Steep cliffs 40 ft. high
78.74	Top of ridge covered with large boulders descend
80.00	Set a trachite stone 20 x 12 x 6 ins 15 ins in the ground for cor. of secs 26, 27, 34 and 35 marked with 1 notch on S and 2 notches on E. edge; and raise mound of stone 2 1/2 ft base 1 1/2 ft high W. of cor; from which Pits impracticable
	An Oak 10 ins diam. bears S 23°45' W. 112 lks dist. marked T 1 S R 13 E S 34 BT
	A Juniper 5 ins diam bears N. 8°45' W. 111 lks dist. marked T 1 S R 13 E S 27 BT No other trees within limits
	Land, Mountainous
	Soil; 4th rate
	Timber scattering Juniper ~~and oak~~
	Mountainous land 80 chains

chains	
	S 89° 55' E on a random line bet secs 26 and 35.
40.00	Set temp. 1/4 Sec. cor
79.76	Intersect N and S line 10 links S of cor of secs 25, 26 35 and 36
	Thence I run
	N. 89° 59' W. on a true line bet secs. 26 and 35
	Over mountainous land
	Descend
3.80	Gulch course S.W.
	Ascend Steep hillside
17.40	High ridge bears N.E. and S.W.
	Descend
28.00	Deep gulch course S.W.
	Ascend
36.00	Ridge bears N and S
39.88	Set a trachite stone 20x12x4 ins 15 ins in the ground marked 1/4 on N. face; and raised a mound of stone 2 1/2 ft. base 1 1/2 ft high N of cor.
	Pits impracticable.
	Descend
45.00	Bottom of Long Draw Course S. 4 chns. wide
	ascend
52.40	Foot of bluff 80 ft. high bears N and S
56.30	Top of bluff
64.50	Top of high ridge bears N and S descend
71.00	Gulch Course E.
	Ascend
77.40	Top of mountain bears N + S 400 ft high
	Descend
79.76	The cor of secs 26, 27, 34 and 35
	Land Mountainous cut with deep gulches
	Soil, 4th rate
	Timber, scattering Oak and Juniper
	Mountainous Land 79.76 chns
	May 15th 1905

33° 18'

May 17th 1905. At 7°30 a.m. l.m.t. I set off 33° 18' 27" 33° 19' on lat. arc: 19° 17' W. on decl. arc and determine a true meridian with the solar at cor. of 26, 27, 34, and 35

Chains	
	N. 0° 1' W. brt. secs. 26 and 27
	over mountainous land
	Ascend
2.70	Ow knoll
	Descend
14.40	Gulch course S.W.
	Ascend
32.62	Spur of high ridge bears N.E. and S.W.
34.83	Descend over land covered with boulders
40.00	Set trachite stone 24×12×10 ins 18 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2ft. base 1½ ft high, W. of Cor. Pits impracticable.
	Ascend
55.00	Round mountain with small oak trees on top
56.80	Descend steep rocky hillside
66.30	Deep gulch course S.W.
	Ascend
79.60	Top of high ridge bears E. and W. descend.
80.00	Set a trachite stone 24×14×5 ins on bedrock in mound of stones for cor. of secs. 22, 23, 26 and 27 marked with 2 notches on S. and E. edges; and raise a mound of stone 2ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous and rough
	Soil- 4th rate
	Timber- scattering oak and Juniper
	Mountainous land 80 chains

	S. 89° 59' E. on a random line brt. secs 23 and 26
40.00	Set temp. 1/4 sec. cor.
79.88	Intersect N and S line 31 lks W. of Cor. of Secs. 23, 24, 25 & 26
	Thence I run
	N 89° 46' W. on a true line brt. secs 23 and 26
	over mountainous land
3.00	Rocky swale
	Ascend
9.10	Top of ridge, bears N. and S.
	Descend
19.60	"Long Draw" Course S.W.
	Ascend over rough broken land

Chains	
31.50	Cliff of high rocks standing on end
39.94	Set a trachite stone 18x8x4 ins 12 ins in the ground for 1/4 Sec. cor. marked 1/4 on N. face; from which An Oak 10 ins diam. bears S 19° 40' W 180 lks dist. marked 1/4 S 26 B T
	An Oak 6 ins diam bears N 73° 20' W 109 lks dist. marked 1/4 S 23 B T
	Ascend over rough broken land
54.00	Top of high ridge bears N and S
	Descend
64.40	Head of gulch course S.W.
	Ascend
69.50	High ridge bears N.E. and S.W. descend.
79.88	The cor. of secs. 22, 23, 26 and 27
	Land mountainous and broken
	Soil - 4th rate
	No Timber
	Mountainous land 79.88 Chains
	May 17th 1905

	May 18th
	N 0° 15' W bet. secs. 22 and 23,
	Over mountainous land
	Descend
5.04	Gulch course S. 70° W.
	Ascend
24.10	Top of high ridge bears E. and W.
	Descend steep hillside covered with rocks
33.00	Deep gulch Course W.
	Ascend
38.40	On W. slope of ridge bears E and W.
40.00	Falls on rock in place 24x18x8 ins above ground
1/4	I cut a cross at the exact cor. point for 1/4 Sec. cor. marked 1/4 on W. side of cross; and raise a mound of stone 2 ft base 1/2 ft high W. of cor.
	Pits impracticable
	Descend rapidly
47.50	Deep gulch Course S. 80° W.
	ascend
58.50	Ridge bears E and W.
67.00	Descend steep hill
79.15	Gulch Course S. 80° W.
	Ascend

Chains	
80.00	Falls on rock bruch 20×15×6 ft above ground
BR	I cut a cross + at the exact cor. point for cor of secs.
	14, 15, 22 and 23. marked with 3 grooves on S and
	2 grooves on E. sides of cross; and raise a mound
	of stone 2ft. base 1½ ft high W. of cor.
	Pits impracticable.
	Cor. falls on rock bruch N. side of gulch about 3 ft
	up.
	Land mountainous and broken with deep gulches
	Soil rocky — 4th rate
	Timber — scattering Oak and Juniper
	Mountainous land 80.00 Chains

at this cor. at 2 P.M. L.M. + 9 set off 19° 33' N on dist arc
33° 20' N on lat arc. and determine a true Mer. with the solar
S. 89° 46' E. on a random line bet secs. 14 and 23

40.00	Set temp. ¼ sec. cor.
79.80	Intersect N and S line 28 lks S of cor. of secs. 13, 14, 23 and 24
	Thence I run
	N. 89° 56' W. on a true line bet. secs. 14 and 23
	over broken mountainous land
0.30	Wash 20 lks wide Course N
	Ascend steep bank
12.93	ridge bears N. and S.
	Descend over rough broken land.
27.50	Ascend gradually over boulders and bed rock
38.94	High cliff 30 lks right bears N.
39.90	Falls on rock in place 36×24×8 ins above the ground
QR	I cut a cross + at the exact cor. point for ¼ sec. cor
6	marked ¼ on N. side of cross; and raise a mound
	of stones 2ft. base 1½ ft. high N. of cor.
	Pits impracticable — From which
	An Oak 5 ins diam. bears S 23° 50' W 69 lks. dist.
	marked ¼ S. 23 B T. No other trees within limits
	Ascend over broken country
57.60	On S. slope of high round hills near top
	Descend
72.60	On low spur bears N. and S.
74.50	Gulch Course S. 85° W.
79.80	The cor. of secs. 14, 15, 22 and 23.
	Land mountainous and broken
	Soil rocky — 4th rate Timber scattering oak
	Mountainous land 79.80 Chains

Chains	
	May 19, 1903
	at this cor. at 7 h a.m. L.M.t. I set off 19°49' W on ded.
	arc and 33°21' W on lat arc and determine a true Mer. with Silver
	Mt. 0°15' W bet secs 14 and 15
	ascend
5.00	Top of high ridge bears E and W
	descend
8.10	Steep descent
15.00	Superior and Globe trail bears E and W
15.85	Gulch Course W.
	Ascend
22.50	Old trail to Silver King mine bears E. and W.
30.60	Top of ridge bears E. and W.
	Descend
40.00	Set a trachite stone 20x9x6 ins. 15 ins in the ground
	for 1/4 sec. cor. marked 1/4 on W. face; from which
	An Oak 8 ins in diam. bears Mt 77° E 84 lks dist.
	marked 1/4 S 14 B.T.
	An Oak 5 ins diam. bears S 84° 15' W 26 lks dist
	marked 1/4 S 15 BT
	The 1/4 sec. cor. falls on little knoll near head of
	small gulch
	Descend
46.80	Gulch Course S.W.
	Ascend
56.30	Ridge bears E. and W.
	Descend
59.00	S. edge of gulch 400 ft. deep
71.00	E. fork of Devils Canon - Deep gulch course W.
	Ascend
80.00	Falls on rock in place 10x4x2 ft. above ground
	I cut a cross + at the exact cor. point for cor of Secs
	10, 11, 14 and 15 marked with 4 grooves on S and 2
	grooves on E side of cross; from which
	An Oak 8 ins diam bears Mt 55° 45' E 32 lks dist
	marked T 1 S R 13 E S 11 BT
	An Oak 6 ins diam bears S 20° 40' E 89 links dist.
	marked T 1 S R 13 E S 14 BT
	An Oak 10 ins diam bears S 20° 40' W 189 lks dist.
	marked T 1 S R 13 E S 15 BT
	An Oak 8 ins diam bears Mt 32° 55' W 26 lks dist
	marked T 1 S R 13 E S 10 BT
	Cor. is located on S side hill near head of small draw Course S.

Chains	
	Land mountainous and very rough
	Soil rocky: 4th rate
	Timber scattering Oak and Juniper
	Mountainous land 80.00 Chains
	S. 89°56' E. on a random line bet Secs 11 and 14
40.00	Set temp. 1/4 sec. cor.
79.74	Intersect N and S line 9 lks. N. of cor. of secs. 11, 12, 13 and 14
	Thence S on
	N. 89°52' W. on a true line bet secs 11 and 14
	Over mountainous land
	Ascend
11.60	Round mountain with Oak trees on top
	Descend along N. slope of ridge
21.00	Broken land
36.40	Gulch Course S. 30° W.
	Ascend
39.87	Set a trachite stone 22×10×4 ins. 15 ins in the ground
	for 1/4 Sec. cor. marked 1/4 on N face; from which
	An Oak 5 ins diam. bears S. 11°20' E. 99 lks dist.
	marked 1/4 S 14 BT
	A Juniper 4 ins diam. bears N 10°50' W 63 lks. dist.
	marked 1/4 S 11 BT
42.00	Low ridge bears N. and S.
	Descend
48.50	Gulch Course S.W.
	Ascend
55.00	Ridge bears N and S
60.00	An S. crown of high ridge bears N and S
	Descend steep hill
70.30	Small gulch, course S.
	ascend S. slope of hill
73.60	Ridge bears N and S. descend
78.70	Head of small gulch Course S.
79.74	The cor. of Secs. 10, 11, 14 and 15
	Land Mountainous
	Soil rocky; 4th rate
	Timber scattering Oak and Juniper
	Mountainous Land 79.74 Chains.
	May 19th 1905

48

BOOK 1851 Subdivision of T. 1 S. R. 13 E.

Chains	
	The land N of the Cor. of secs 10, 11, 14 and 15 I find impracticable to survey on account of high rough mountains and deep gulches. I return to cor. secs 3, 4, 33 and 34 on S. bdy of Tp
	May 20th 1905: At 8h a.m. l.m.t. I set off 33° 17' on lat. arc: 19° 56' W. on decl. arc and determine a true meridian with polar at the cor. of secs 3, 4, 33 and 34. From the corner of secs 3, 4, 33 and 34 on S. bdy of Tp which is a rock in place marked witnessed and described in the notes of the S. bdy I run N. 0° 2' W. bet secs 33 and 34 over rough mountain land along W. edge of Devils Cañon Ascend
2.10	Ridge bears E and W Descend over large boulders
14.00	Gulch course E. a branch of Devils Cañon Ascend
19.00	Rocky ridge bears E. and W. Descend rapidly over exposed bedrock
28.60	Deep rocky Cañon Course E. arm of Devils Cañon Ascend over exposed bedrock
40.00	Set a trachite stone 22×14×8 ins on bedrock in mound of stone for 1/4 sec. cor. marked 1/4 on W side; and raise a mound of stone 2 ft. base 2½ ft high W. of cor. Pits impracticable —; From which Iw Oak 6 ins diam. bears S 6° 30' W 61 lks dist. marked 1/4 S 33 B T: No other trees within limits
	Descend
51.60	Gulch course E. arm of Devils Cañon Ascend rapidly
58.00	Ridge bears E. and W.
62.40	Steep Gulch Course E arm of Devils Cañon ascend
75.00	Rocky ridge bears E. and W. descend
80.00	Post on rock in place 5×4×1½ ft above ground. I cut a cross + at the exact cor. point for the cor. of secs. 27, 28, 33 and 34 marked with 1 notch on S and 3 notches on E. of cross; and raise mound of stone 2½ ft. base 2 ft. high W. of cor. Pits impracticable. From which - Iw Oak 5 ins diam bears N. 59° E 24 lks dist marked T 1 S R 13 E S 27 B T

Chains	
	An Oak 5 ins diam. bears S 74° 40' E. 99 lks dist.
	Together marked T 1 S R 13 E S 34 B T
	This mile is cut up by deep short cañons arms of Devil's Cañon and is very rough
	Land mountainous and rocky
	Soil rocky – Bedrock exposed in many places. 4th rate
	Timber sparse
	Mountainous land 80.00 Chains

	S 89° 55' E on a random line bet. secs. 27 and 34
40.00	Set temp. 1/4 Sec. cor.
79.70	Intersect N. and S. line 28 lks S of cor. of secs. 26, 27, 34 and 35
	Thence I ourd
	S 89° 55' W. on a true line bet. secs 27 and 34
	Over mountainous land
	Descend
13.50	In gulch course S.W.
	Ascend
20.70	Low saddle
	Descend
26.80	Head of gulch course S.W.
	Ascend gradually over rough land covered with boulders
49.00	Falls on boulder 10 x 8 x 4 ft. above ground
	Sent a corp at the exact cor. Permit for N. 1/4 sect cor. marked 1/4 on N. side of corp; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Ridge impracticable
	Descend
45.00	Gulch course S.W.
	Ascend
53.50	Ridge bears N.E. and S.W.
	Descend
63.00	E. edge Devil's Cañon
70.00	Bottom Devil's Cañon Course S. ascend.
75.40	W. edge Devil's Cañon
79.70	The cor. of secs 27, 28, 33 and 34
	Land mountainous and broken
	Soil rocky; 4th rate
	No Timber
	Mountainous land 79.70 chains

May 20th 1905

Subdivision of T. 1 S. R. 13 E.

May 7-1905.

33° 18' W

Chains

At this cor. I set off at 7 a.m. L.M.T. 20° 21' N on declination, 33° 18' W on Sol. arc and determine a true one. with the Solar.

N 0° 21' W bet. secs 27 and 28
over broken land with bedrock exposed in many places
Ascend gradually along W. side of Devils Cañon
8.20 on low rocky ridge bears E. and W.
21.80 " " " " " " " "
Descend
35.00 Gulch course E.
40.00 Falls on rock in place 8 x 3 x ½ ft. above ground
I cut a cross + at the exact cor. point for ¼ Sec. cor.
marked ¼ on W side of cross; and raise a mound
of stone 2½ ft. base 2 ft. high W. of cor.
Pits impracticable.
55.00 Ascend slightly
77.10 Ridge bears E. and W.
Descend
80.00 Falls on rock in place 4 x 4 x 3 ft. above ground
I cut a cross + at the exact cor. point for cor of secs
21, 22, 27 and 28 marked with 2 notches on S and
3 notches on E. sides of cross; and raise a mound
of stone 2½ ft. base 1½ ft. high W of cor.
Pits impracticable
Cor. is located on S slope of steep rocky little cañon
running into Devils Cañon near head
Land Mountainous and broken
Soil rocky — 4th rate
No timber
Mountainous land 80.00 Chains

N. 89° 55 E. on a random line bet. secs 22 and 27.
40.00 Set temp ¼ sec. cor.
79.85 Intersect N and S line 2.3 lks S. of the cor of Secs 22, 23, 26 & 27
Thence I run
S 89° 49' W. on a true line bet. secs 22 and 27
Over mountainous land
5.00 Descend steep slope
13.00 Rocky Spur
22.50 Gulch course S 30° W
29.40 Ascend ridge bears N. 30° E and S. 30° W.
35.00 Descend over boulders and broken land

Chains

39.93 Falls on stone in place 48 x 36 x 12 ins above ground
OK I cut a cross + at the exact cor. point for 1/4 sec. cor.
marked 1/4 on N. side of cross; and raise a mound
of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable –
54.00 On E. side of Cañon Devils' cañon
Descend steep rocky slope
65.00 Bottom of Devils cañon Course S.
Ascend ~~steep~~ slope
72.00 Low rocky spur
Ascend steep rocky draw leading into Devils Cañon
over large boulders and rough, broken land. Course E.
79.[illegible] The cor. secs. 21, 22, 27 and 28
Land mountainous and very rough
Soil rocky. 4th rate
No timber
Mountainous land 79.85 Chains
May 22nd 1905

May 23 At this cor. [illegible] 7 1/2 A.M. l.m.t. I set off 20°32' N on decl arc
33°[illegible] [illegible] on lat. [illegible] and determine a true mer. with the solar.
N 0° [illegible]' W. bet. secs. 21 and 22
Over rough mountain land
Descend
2.00 Bottom of steep rocky gulch Course E.
Ascend
[illegible] Top of steep ascent
Ascend gradually over broken land
23.00 W. rim Devils Cañon 4 chs. E. Cañon turns N. E.
33.00 Ridge covered with boulders bears E. and W.
[illegible] steep hill
40.00 [illegible] on top large boulder 10 x 10 x 8 ft. above ground
OK I cut a cross + at the exact cor. point for 1/4 sec. cor.
marked 1/4 on W side of cross; and raise a mound
of stone 2 1/2 ft. base 1 1/2 ft high W of cor.; from which
An Oak 7 ins diam. bears N. 38°30' E. 135 lks. dist.
marked 1/4 S 22 B.T.
An Oak 6 ins diam bears S 85°20' W 93 lks dist.
marked 1/4 S 21 BT
Descend rapidly
42.70 Gulch – Superior and Globe trail ~~in bottom~~ Course E.
Ascend
54.50 Ridge ~~bears E and W.~~
61.00 ~~Descend~~

Chains

70.60 Small gulch Course E. with trail from Silver King to Globe in bottom

78.80 Ascend on spur bears E and W.

80.00 Set granite stone 20 x 8 x 6 ins on bedrock in mound of stones for cor of secs 15, 16, 21 and 22 marked with 3 notches on S and E edges.; and raise a mound of stone 2 ft. base 1½ high W. of cor.; no Pits impracticable. From which

An Oak 4 ins diam bears N. 49°30' E. 117 lks dist. marked T 1 S R 13 E S 15 B T

An Oak 4 ins diam. bears S 27°45 E 12 lks dist. marked T 1 S R 13 E S 22 B T

An Oak 5 ins diam bears N. 58° W 114 lks dist marked T 1 S R 13 E S 16 B T

Land mountainous No other trees within limits

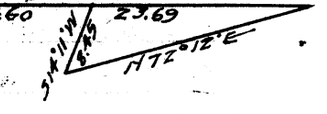
Soil rocky — 4th rate

Timber scattering Oak and Juniper

Mountainous land 80.00 Chains

N 89°49 E on a random line bet. secs 15 and 22

24.60 W. edge of Devils Cañon which has precipitous walls at this point. To determine the dist. across I set a flag on line on E. side of Cañon, then measure a base line S 14°11' W 8.45 Chns to a point where the flag bears N. 72°12' E.. From the flag the S end of the base line bears S 72°12' W by seperate measurement, the angles are respectively 104°22', 58°01' and 17°37' = 180° and compute the distance across the Cañon as follows $\frac{\text{SIN } 58°01'}{\text{SIN } 17°37'} \times \text{base}$ or $\frac{0.8492}{0.3026} \times 8.45 = 23.69$ Chains: also



24.60 + 23.69 makes

48.29 E. edge of Cañon

79.94 Intersect N and S line 9 lks S of Cor. of Secs 14, 15, 22 and 23

Thence Course

S 89°45 W on a true line bet. secs. 15 and 22 over mountainous land

121.90 On N. side of gulch Course W

Descend rapidly over boulders and rough land

20.60 Deep gulch Course S. 3° W. branch of Devils cañon

Trail from Superior to Globe follows up this gulch

Ascend steep slope over loose rocks

Subdivision of T. 1 S. R. 13 E.

Chains	
31.65	On ridge bet. two cañons bears N.E. and S.W. (W edge Devils Cañon
	Descend steep rocky gulch Course W
39.97	Falls on boulder 48×36×24 ins above ground.
0.15	I set a cross + at the exact cor. point for 1/4 sec. cor.
—	marked 1/4 on N. side of cross; and raise a
	mound of stones 2 ft base 1½ ft. high N. of cor.
	Pits impracticable.
	Descend
47.00	Devils Canon Course S. 20° W.
	~~Ascend~~
55.34	W. edge Devils Cañon
76.00	~~Ascend~~
79.94	The cor. of secs. 15, 16, 21 and 22
	Land Mountainous and rough
	Soil rocky; Lt. rate
	Timber scattering Oak and Juniper
	Mountainous land 79.94 chains
	May 23rd 1905

May 24th 1905: At 7h a.m. l.m.t. I set off 33°20' on lat. arc: 20°44' N. on decl arc. and determine a true meridian with solar at cor. of secs 15, 16, 21 and 22

Thence I run

N 0° 21' W bet secs 15 and 16

Over mountainous land

Ascend over boulders and broken land

8.80	On ridge bears E. and W.
	Ascend over rough land
31.60	On high spur bears E and W 400 ft. high
	Descend steep slope
40.00	Falls on rock in place 8×4×3 ft above ground
	I cut a cross at the exact cor. point for 1/4 sec. cor.

Chains	
	marked 1/4 on W side of cross; and raise a mound
OR	of stone 2ft base and 1½ ft. high W. of cor.
	Pits impracticable.
42.00	Gulch 200 ft deep Course E.
	Ascend high mountain
53.30	On hillside
57.20	Top of mountain 500ft high bears E and W.
	Descend
72.00	N. fork Devils Canon 500 ft. deep Course E. ascend
80.00	Falls on rock in place 6 x 4 x 2 ft. above ground
	I cut a cross at the exact cor point for cor. of secs. 9, 10,
OR	15 and 16 marked with 4 notches on S and 3 notches
	on E. sides of cross; and raise a mound of stone
	2ft. base 1½ ft. high W of cor. Pits impracticable
	From which
	A Juniper 6 ins. diam bears N. 60° 40 E 245 lks dist
	marked T 1 S R 13 E S 10 B T
	A Juniper 8 ins diam bears S 58° 30 E 357 lks dist
	marked T 1 S R 13 E S 15 B T
	Cor. is situated on S. slope of high hill bears E and W.
	Land Mountainous Cut by high ridges and gulches
	Soil rocky; 4th rate
	Timber scattering Oak and Juniper
	Mountainous land 80.00 Chains

	N. 89° 45 E. on a random line bet. secs 10 and 15
40.00	Set temp ¼ sec. cor.
80.26	I intersect N and S line 21 lks W of cor. of secs 10, 11, 14 and 15
	Thence I run
	S. 89° 54 W. on a true line bet secs 10 and 15
	Over mountainous land
	Ascend
11.00	Top of ridge bears N. E and S. W.
	Descend long side hill
23.60	Gulch Course S.W.
	Ascend over rocks and boulders
34.30	Ridge bears N. E. and S. W. descends.
40.13	Falls on rock in place 4 x 3 x 2 ft. above ground
OR	I cut a cross + at the exact cor. point for ¼ sec. cor.
	marked 1/4 on N. side of cross; and raise a mound
	of stone 3½ ft. base 1½ ft. high W. of cor.

Chains	
	Pits impracticable.
	This cor. is located on steep hillside on E. side of gulch Course S. about 300 ft. W. of where the gulch joins Devil's cañon Descend steep slope
44.00	Gulch Course S. W. fork of Devil's Cañon
	Ascend steep rocky slope
51.50	W. edge of gulch ascend.
56.00	On spur bears W. and S. 50 lks S of Rock bluff
	Descend over rough broken land
69.20	Head of small gulch Course S.
	Ascend along S. slope of high ridge bears N.E. and S.W.
80.26	The cor. of secs. 9, 10, 15 and 16
	This mile is very rough cut up with deep cañons and high rocky ridges. Devil's cañon forms on this mile
	Land mountainous -
	Soil rocky 4th rate
	Timber sparse Oak and Juniper
	Mountainous land 80.26 Chains -
	May 24th 1905

The country North of this corner is very badly cut up with deep gulches and mountains almost inaccessible and impracticable to survey

The line was therefore abandoned and I return to the cor of secs 4, 5, 32 and 33.

33°17'N

May 27th 1905: At 8 A.M. L.M.T. I set off 33°17' on the Lat. arc; 21°16' W on the dec. arc. and determine a true meridian with the Solar and

From the cor of secs 4, 5, 32 and 33 on the S. bdy. of Tp. 2, I run

N. 0° W. bet secs 32 and 33

over rough, rocky mountainous land

	Ascend
12.00	Top of low rocky spur bears E. and W.
	Descend over bedrock
20.90	Gulch Course N. W.
	Ascend over large boulders
29.80	Low ridge bears E. and W.
	Broken land large boulders
38.60	Low ridge bears E. and W.
40.00	Falls on large boulder 30×10×2 ft. above ground
	I set a corner at the exact cor. point for 1/4 sec. cor.

Chains	
	marked 1/4 on W side of cross; and raise a mound of stone 2½ft. base 2 ft. high W. of cor. Pits impracticable — From which
	Aw Oak 4 ins diam brs S 70° W. 40 lks dist. marked 1/4 S 32 B T
	20 other trees within limits
	This cor. comes amongst large boulders on low rocky ridge brs E and W.
	Descend over bedrock
45.40	Gulch 1 chain wide Course W.
	Ascend
57.60	W. bank of gulch
	Over rough broken land with bedrock exposed
78.30	descend slightly
80.00	Set a granite stone 18x10x5 ins 10 ins in the ground to bedrock for cor. of secs 28, 29, 32 & 33 marked with 1 notch on S and 4 notches on E. edges; from which
	Aw Oak 5 ins diam brs W. 46° 30' E. 62 lks dist marked T 1 S R 13 E S 28 B.T.
	Aw Oak 3 ins diam brs S 53° 30' E 77 lks dist marked T 1 S R 13 E S 33 B T
	Aw Oak 6 ins diam brs S 65° 45 W. 60 lks dist marked T 1 S R 13 E S 32 B T
	Aw Oak 6 ins diam brs W 7° 15 W. 33 lks dist marked T 1 S R 13 E S 29 B.T.
	Cor. falls in head of small swale in grove of small oaks
	Land mountainous cut by many gulches
	Soil rocky, exposed bedrock, 4th rate
	Timber sparse Oak and Juniper
	Mountainous land 80.00 Chains

	S 89° 55 E. on a random line bet. Secs. 28 and 33
40.00	Set temp. 1/4 sec. cor.
80.30	Intersect N and S lines 26 lks W. of the cor. of secs. 27, 28, 33 and 34
	Thence I run
	N. 89° 44' W. on a true line bet. secs. 28 and 33
	Over broken land through dense growth of Pinillaks
	Descend
0.75	Small wash Course S.
	Ascend
12.80	Bedrock enter grove of Pin oaks
19.00	Enter small opening part of Oak Flat

Chains	
32.30	Leave opening ~ Descend
40.15	Falls on rock in place 48x24x12 ins above ground
	I cut a cross + at the exact cor. point for 1/4 sec. cor.
	marked 1/4 on N. side. of cross; and raise a mound
	of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
	Ascend
47.80	Enter grove of Pin Oaks
59.80	Rocky Spur bears N. and S.
	Over broken land through groves of Pin Oakes
71.00	Low ridge bears N and S
79.00	Descend gently
80.30	The cor. of secs. 28, 29, 32 and 33
	Land Mountainous and rolling
	Soil rocky - 3rd and 4th rate
	Timber small Pin Oaks
	Mountainous land, Dense undergrowth 80.30 chains
	May 27th 1905
May 29.	At this cor. at 7 a.m. l.m.t. I set off 21° 35' N on decl. arc ~~33° 19' N~~ 33° 18' N on lat. arc and determined a true mer. with the solar
33° 18'	N. 0° ~~1'~~ 2' W. bet. secs. 28 and 29
	Over mountainous land through Oakes
	Descend small draw Course N.
6.50	Leave Oak grove. Enter W. edge of Oak Flat.
8.60	Trail from Superior to Globe bears E and W.
13.40	Leave Oak Flat. ascend
17.00	On W. slope of round butte covered with boulders,
	Descend
26.00	Gulch Course S.W.
	Ascend
35.20	Top of Rocky Butte. Descend
40.00	Set a granite stone 20x8x5 ins ~~12~~ 15 ins in the ground
	for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound
	of stone 2 1/2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Descend
43.00	Small draw Course W. ascend.
49.40	Top of rocky ridge bears E and W.
	Descend steep hillside into Queens Creek
55.30	Queen Creek Course S. 35° W. 150 lks Wide.
	Ascend steep mountain
65.00	On break of hill
	Ascend steep mountain
80.00	Set a granite stone 22x16x5 ins on bedrock in mound
	of stones for cor. of secs. 20, 21, 28 and 29

Chains	
	marked with 2 notches on S and 4 notches on E. edges and raise a mound of stone 2ft base 1½ ft high W. of Cor: Pits impracticable.
	Cor falls on S. slope of ridge brars E and W. Near Top.
	Land mountainous, broken and brushy
	Soil rocky 4th rate
	Timber sparse Pin Oaks
	Mountainous land 80.00 Chains

	S 89°44' E on a random line bet. secs 21 and 28
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N and S line 9 lks S of the cor. of secs 21, 23, 27 and 28
	Thence down
	N 89°48' W on a true line bet. secs 21 and 28
	Ave rough mountainous land
	Ascend along S. slope of gulch
2.50	Rim of gulch
	Descend gradually ove broken land
17.80	Edge of sharp descent
29.90	Gulch Course S.W.
	Ascend gradually
35.40	Trail from Superior to Globe brars N. and S
37.20	Beginning of steep ascent
40.00	Falls on rock in place 7x3x1 ft. above ground I cut a croce at the exact cor. point for ¼ sec. cor. marked ¼ on N. side of croce; and raise a mound of stone 2½ ft base 1½ ft. high N. of cor. Pits impracticable.
	Ascend steep hill
142.60	Ov rock bluff 20 ft. high
43.80	Top of high ridge brars N. and S.
[illegible]	Descend into bend Queen Creek
[illegible]	E. rim of Queen Creek Cañon
[illegible]	Queen Creek 150 lks wide Course S.
	Decend rapidly
71.80	West rim Queen Creek Cañon
	Ascend
79.00	Top of mountain in bend of Queen Creek
80.12	The cor. of secs. 20. 21. 28 and 29
	Land Mountainous, Soil 4th rate, No Timber
	Mountainous land 80.12 Chains

Surveyed 29th 1905

Chains	
	May 30 1905
	N. 0° 15' W. bet. Secs. 20 and 21
	Over rough mountain land
	Ascend
1.20	Ridge bears E. and W.
	over broken ground
12.40	In saddle bears E. and W.
	Descend steep hillside
18.90	Rocky gulch Course E.
	Ascend
25.50	On point of low sharp rocky ridge bears E. and W.
	Descend over rock slide
32.00	Enter dense underbrush on right bank of Queen Creek descend.
40.00	Set granite stone 20x8x6 ins 15 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable
41.90	Queen Creek Course S. 15° E. 100 lks. wide
44.60	Ascend along W. slope of high ridge bears N. S. and S. E.
60.00	On hill side covered with loose boulders and rock slide
79.10	Old Silver King mine and Globe trail bears E and W.
80.00	Falls on Rock in place 4x3x2 ft. above ground.
	I cut a cross + at the exact cor. point for cor of Secs 16, 17, 20 and 21 marked with 3 notches on S and 4 notches on E. sides of cross; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Cor. falls on S. slope of steep hill covered with boulders.
	Land rough and mountainous
	Soil rocky; 4th rate
	No Timber
	Dense undergrowth and Mountainous land, 80.00 Chains at this cor at 10h 20m A.M. L.Mt I set off 21° 45' N on dist arc. 33° 28' N on lat. arc and determine a true Mer. with the Sun
	S. 89° 48' E. on a random line bet. secs 16 and 21
40.00	Set temp 1/4 sec. cor.
80.06	Intersect N and S lines 6 lks S. of the Cor of Secs 15, 16, 21 and 22
	Thence I run
	S. 89° 56' W. on a true line bet. secs 16 and 21
	Over mountainous land
4.50	Descend into Gulch Course S.
	Ascend over broken land
22.80	Rocky ridge bears N. and S.

7

Chains	
	Descend over boulders, bedrock, bad land,
26.00	Gulch Course S.E.
	Boulders and exposed bedrock
40.03	Falls on rock in place 12x6x1½ ft. above ground
	I cut a cross + at the epact cor. point for ¼ Sec. cor.
	marked ¼ on N. Side of cross; and raise a mound
	of stone 2ft. base 1½ ft. high N. of cor. Pits impracticable
47.00	Descend into Gulch Course S.E.
	Ascend over loose boulders and rock slides
73.50	Top of ridge brass N. and S.
	Descend steep rocky slope into Queen Creek Cañon S.
80.06	The cor. of secs 16 17 20 and 21
	Land Mountainous
	Soil rocky: 4th rate
	No Timber
	Mountainous Land 80.06 chains
	May 30th 1905

May 31

N. 0° 21' W. bet secs 16 and 17

Over rough mountain land

Ascend along W. slope of high ridge covered with boulders

2.10	An ledge of rocks-
11.60	On spur of high ridge: From this point ruins of old pump station Silver King mine brass N. 75° 40' W.
12.40	Break of hill
	Descend rapidly into deep gulch
20.00	Gulch Course N.
	Ascend mountain about 700 ft. high
37.50	On steep hillside sloping east
40.00	Falls on rock in place 12x6x3 ft. above ground
	I cut a cross + at epact cor. point for ¼ sec. cor.
	marked ¼ on W. side of cross; and raised a mound
	of stone 2½ ft. base 2 ft. high on large boulder W.
	of cor.; placed there on account of steep slope of hill
	W. of cor. Pits impracticable-
	¼ Cor. located on S.E. slope of high mountain
	near top-
	Ascend over large boulders
42.78	On E. slope of mountain near top
	Descend
46.80	Head of Gulch Course E.
	Ascend

Chains	
71.20	Rocky ridge bears N.E. and S.W.
	Descend rapidly
80.00	Falls on rock in place 3 x 2 x 3 above the ground
	I cut a cross + at the exact cor. point for cor. of secs. 8. 9. 16 and 17
	marked with 4 grooves on S and E sides of cross,
	and raise mound of stones 2½ ft. base 1½ ft. high
	E. of cor.: placed there on account of steep slope of
	hill. Pits impracticable.
	Cor. located on E. side of steep little gulch Course N
	about 300 ft. S of point of convergence with a large
	Gulch Course E.
	Land mountainous and very rough
	Soil rocky; 4th rate
	No timber
	Mountainous land 80.00 chains.
	At this cor at 10h A.M. L.M.t. I set off 21° 54' N declination
	33° 21' N on lat arc. and determine a true Mer. with the Solar.
	[illegible]
	N. 89° 56' E on a random line bet. secs. 9 and 16
40.00	Set temp ¼ sec. cor.
80.06	Intersect Rand's line at cor of secs 9. 10. 15 and 16
	Thence I run
	S. 89° 56' W. on a true line bet secs 9 and 16
	Ascend
2.20	Low rock ridge bears N. and S.
	Descend along S. slope of high mountain
20.40	Cross gulch Course S.E. arm of Devils Canon
	Ascend steep hillside covered with rocks
34.70	On S.E. slope of high steep mountain
	Descend
37.60	Ridge bears N and S. South spur of high steep mountain
	Descend
40.03	Set a trachite stone 20 x 12 x 4 ins. on bedrock in
	mound of stone for ¼ sec. cor. marked ¼ on N face
	and raise mound of stone 2½ ft. base 1½ ft high N
	of cor. Pits impracticable.
	Cor. situated on S.W. slope of high steep mountain
	Descend into saddle bears E and W
46.00	Swale bet 2 high mountains
	Ascend rocky round top mountain
56.20	On N. slope of round top mountain
	Ascend long [illegible]

Subdivision of T. 1 S. R. 13 E.

Chains	
72.40	Gulch Course N. E.
	Ascend
78.00	Low ridge bears N.E. and S.W.
	Descend
80.06	The cor. of secs. 8, 9, 16 and 17
	Land mountainous and rough
	Soil rocky 4th rate
	No Timber
	Mountainous Land 80.06 chains
	May 17 1905

The country North of this corner is very badly broken and cut by mountain ridges and deep cañons almost inaccessible and impracticable to survey; I therefore abandon the line and return to the cor. of secs 5, 6, 31 and 32 on S. bdy. of Tp.

33° 17' 17"

June 1st 1905: At 8h 15m a.m. Lmt. I set off 22° 48' on the lat. arc; 22° 02' N on the decl arc. and determine a true meridian with the Polar and From the cor. of secs 5, 6, 31 and 32 on S. bdy. of Tp. I run N. 0° 3' W. bet. secs. 31 and 32

	over rough mountainous land
	Descend
1.80	Small draw Course E.
	Ascend steep hill
12.00	Top of ridge bears E. and W.
	Descend over large boulders and trap rock
23.80	Gulch Course N. E.
24.00	Cross high trail bet. Superior and Globe bears N.E. & S.W.
	Ascend over bedrock and boulders
29.10	Top of rocky ridge, large boulders on end bears E. and W.
	Descend over large granite boulders
38.80	Gulch Course E.
	Ascend
40.00	Falls on rock in place 24 x 16 x 6 ins. above ground I cut a cross + at the exact cor. point for the cor. marked 1/4 on W side of cross; and raised a mound of stone 2 ft. base 1 1/2 ft. high W of cor.. Pits impracticable
	Ascend

Chains	
43.17	Large boulders. Low ridge bears N. E. and S.W.
	Descend
45.90	Lower trail to Globe bears E. & W. Inaguela Canon E.
	Ascend
50.20	Butte covered with boulders.
62.75	On rocky knob boulders on end descend.
66.40	Falls on boulder 40 ft. high on S. rim of Queen Creek cañon which at this point is 900 ft. deep with precipitous walls; Point for cor. secs. 29, 30, 31 and 32 falls in cañon. Base line for triangulation impracticable; I set flag on line N. of Cañon.
	I cut a cross + at the exact cor. point for W.C. to cor. secs. 29, 30, 31 and 32 marked W.C. 1 notch on S and 5 notches on E. sides of cross; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land Mountainous and very rough
	Soil rocky – 4th rate
	Timber scattering – Oak and Juniper
	Mountainous land 80.00 Chains

	The cor. for secs. 29, 30, 31 & 32 falling in Queen Creek Cañon I cannot run random line Each thereof. I run a true line bet. secs. 29 and 32 N. 89° 55' W. from cor. of secs. 28, 29, 32 and 33 bet secs 29 and 32
	Over rough mountain land
	Ascend
13.50	Rocky point
15.60	N.W. cor. Bellamy's stone corral bears N. 1° 30' W. 2 big boulders 5 ft. W. of Bellamy's stone house bears N. 30° W. 25 chains dist. House invisible from any point on sec. lines.
	Descend
17.20	Gulch Course N.
	over boulders and loose rocks
28.40	Boulder 30 ft. high on E. edge of deep gulch
	Descend
32.40	Trail from Inspector to Globe bears N and S
33.00	Bottom of gulch Course N.
	ascend steep mountain
37.00	Enter dense growth and scrub trees

Chains

40.00 Falls on stone in place 10 x 5 x 1 ft. above ground
I cut a cross at the exact cor. point for 1/4 sec. cor.
marked 1/4 on N. side of cross; and raise a mound
of stone 3 1/2 ft. base 2 ft. high N. of cor. Pits impracticable
From which A. Pine 6 ins diam bears S 82° 45 E 34 lks dist
Marked 1/4 S 32 B T
no other trees within limits
Descend steep mountain through dense undergrowth

46.30 Leave dense undergrowth

62.72 Falls near edge of rock cliff on E. rim of Queen Creek
Cañon. I cut a cross + at the exact point for wit-
ness cor. to cor of secs 29 30 31 and 32, marked
W.C. on E. with 1 groove on S and 5 grooves on E side of cross
and raise a mound of stone 2 1/2 ft. base 1 1/2 ft high
N. of Cor. Pits impracticable.
Land mountainous very broken
Soil rocky; 4th rate
Timber sparse
Mountainous land and dense undergrowth 80.00 Chns

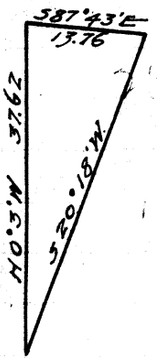
June 1st 1905

The line bet. secs. 30 and 31 lies in Queen
Creek canon and is impracticable to survey
Therefore I abandon the line and return to
flag set on line bet. secs 29 and 30

June 3.
30° 18' W [illegible] at this cor. at 7 A.M. [illegible] dist. and
[illegible] lat are and distances [illegible] with Solar

On the line bet. secs. 29 and 32
At the flag set on the W. side of Queen Creek cañon
from sta. 66.40 chains on the line bet. secs 31 and 32

To determine this dist across the canon I measure
a base line S. 87° 46' E. 13 [illegible] to a point
from which a flag at sta. 66.40 chains on W. side of the
cañon bears S 20° 18' W. From the [illegible] end of
the base bears N. 20° 18 E. by [illegible] angles
are respectively 87° 43', 71° 56' and [illegible] sum
is 180°. I compute the dist across the canon as
follows:- $\frac{\sin 71°56'}{\sin 20°21'} \times$ base or $\frac{.94721}{.34777} \times$ [illegible] =
also the flag. 66.40 + 37.62 = 104.02 chns. [illegible]
The flag set on W. side of cañon



Chains

24.02 Falls on bedrock. I cut a cross + at the exact cor. point for W. P. for cor. of secs. 29, 30, 31 and 32. marked W.P. on N. side of cross; and raise a mound of stone 2 ft base 1½ ft. high N. of point. Pits impracticable.

Thence I run

N. 0° 03' W. bet. secs 29 and 30

Over mountainous land

ascend over boulders and broken land

35.70 Ridge bears E. and W.

40.00 Falls on rock in place 6 x 4 x 2 ft. above ground

I cut a cross + at the exact cor point for ¼ sec. cor. marked ¼ on W. side of cross; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.

Pits impracticable.

Descend steep slope covered with boulders

47.50 Gulch Course E.

Ascend long steep hillside

68.00 Top of high mountain bears N. 30° W and S 30° E

Descend along E. slope of mountain

80.00 Set a granite stone 22 x 12 x 6 ins. in mound of stone for cor. of secs. 19, 20, 29 and 30 marked with 2 notches on S. and 5 notches on E. sides.; and raise mound of stone 2 ft. base 1½ ft. high W. of cor.

Pits impracticable.

Land mountainous and very rough

Soil rocky; 4th rate.

No timber

Mountainous land 80.00 chains

June 3rd. 1905

June 5th

S. 89° 55 E. on a random line bet. secs. 20 and 29

40.00 Set temp. ¼ sec. cor.

80.00 Intersect W. and S line 24 lks S of cor. of secs. 20, 21, 28 and 29

Thence I run

S. 89° 55' W. on a true line bet. secs. 20 and 29

Over rough mountainous land

Across

Chains	
7.00	Spur of mountain bears N.W. and S.E.
	Ascend
27.30	Top of ridge bears N and S.
32.70	Edge of bluff 100 ft. high
36.00	Foot of bluff 100 ft. high
	Descend
40.00	Fulls on rock in place 6×4×4 ft. above ground
MK	I cut a cross + at the exact cor. point for 1/4 sec. cor. marked
	1/4 on N. side of cross; and raise a mound of stones
	2 ft. base 1/2 ft. high on N. side of cor. Pits impracticable
	Descend
47.20	Deep gulch Course S.
	Ascend
55.70	Top of high ridge bears N. and S
	Descend steep rocky hill
64.00	Deep rocky gulch Course S.
	Ascend high steep mountain.
80.00	The Cor. of secs 19, 20, 29 and 30
	Land mountainous and very rough
	Soil rocky: 4th rate
	No timber
	Mountainous land 80.00 chains
	At this Cor. at 2 P.M. L.M.T. I set off 22° 33' W on decl. arc.
	33° 20' W on Lat arc. and determine a true Mer. with the Solar.
	N. 89° 55 W. on a random line bet secs 19 and 30
21.23	Intersect W. bdy of the tp. 6 lks N. of the Cor. of secs. 19, 24,
	25 and 30 which is a stone in place marked and
	witnessed as described by the Surveyor-general
	Thence N. on
	N. 89° 55' E. on a true line bet secs 19 and 30
	Ascend mountainous land
	Descend
7.00	Gulch Course S.
18.00	Top of mountain bears N. 30° W and S. 30° E.
	Descend
21.23	The Cor. of Secs. 19. 20. 29 and 30
	Land Mountainous
	Soil Rock; 4th rate
	No timber
	Mountainous land 21.23 chains

Chains	
	N. 0° 3' W. bet secs 19 and 20
	Over mountainous land
	Descend along E. slope of high mountain
17.00	Gulch Course S.E.
	Ascend
24.00	Foot of S. slope of King's Crown 5500 ft. Elevation
	Ascend steep slope covered with loose rocks
40.00	Set a granite stone 20x16x10 ins firmly set in mound
01/4	of stone for 1/4 sec. cor. marked 1/4 on W. face; and raise
	a mound of stone 2½ ft. base 1½ ft. high W. of cor.
	Pits impracticable.
68.00	Point on N.W. S.W. slope of King's Crown. Beyond this
	point the line runs along inaccessible cliffs high up on
	W. side of King's Crown impracticable to chain
	or triangulate; Therefore I abandon line and
	will set the cor. of secs 17, 18, 19 and 20 from
	W. side of Mountain.
	Land Mountainous
	Soil; 4th rate
	No timber
	Mountainous land 68.00 chns.
	June 5th 1905
June 6,	at the Cor. at 7h 15' A M L.M.T. I set off 22° 50' W. on declare 33° 24' W. on lat arc. and determined a true Meridian with the Sun
	On line bet. secs. 17 and 20
	The cor. of secs 17, 18, 19 and 20 not having been located I run from the cor. of secs 16, 17, 20 and 21 S 89° 55 W. on a true line bet secs 17 and 20
	over mountainous land
	~~Descend~~
7.00	Trail from Silver King mine to Globe bears N.W. & S.E.
	Descend rapidly
12.50	Queen Creek Course S 20° E 100 lks Wide. ascend.
32.00	Rocky Knoll
	Descend
38.00	Deep draw Course N.E.
40.00	Set a trachite stone 22x10x6 ins in a mound of
OK	stone for 1/4 sec. cor. marked 1/4 on W. face; and
	raise a ~~mound of stone~~ 2ft. base 1½ ft. high W. of cor.
	~~Pits impracticable~~

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Chains	
	Ascend over very rough land
64.00	High rocky, rough, spur of King's Crown
76.40	On large rock
	Descend
78.70	Top of bluff 40 ft. high
80.00	Falls on rock in place 8x6x4 ft. above ground.
	Cut a cross + at the exact cor point for Cor. of Secs. 17, 18, 19 and 20
	marked with 3 grooves on S and 5 grooves on E. side of cross;
	and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
	on account of steep hillside. Pits impracticable
	Land mountainous
	Soil, 2nd rate
	No timber
	Mountainous land 80.00 Chains

	S. 89° 55' W. on a random line bet. secs. 18 and 19
20.99	Intersect W. bdy. of Tp. 3 Ne. S. of the cor. of secs 13, 18, 19 and 24
	Thence I run
	East on a true line bet. secs 18 and 19
	Are mountainous land
	Ascend rapidly Vertical angle 39° 40'
5.77	Trail Superior to Globe (Stoneman's grade) W. and S.W.
20.99	The cor of secs. 17, 18, 19 and 20
	Land mountainous
	Soil; 4th rate
	No timber
	Mountainous land 20.99 Chains
	June 8th 1905

	June 9th
	N. 0° 30' W. bet. secs 17 and 18
	Are rough mountain land
	Ascend steep mountain through dense undergrowth
15.30	On rocky Knob
	Descend
32.00	Trail from Silver King to Globe bears E. and W.
	Ascend
40.00	Set limestone 18x8x6 ins in mound of stone for ¼ Sec.
	Cor. marked ¼ on W. face; and raise a mound of
	stone 2½ ft. base 1½ ft. high W. of cor.

Chains	
	Pits impracticable. from which
	Silver King pump station bears S. 65° E.
	Top of King's Crown Mountain bears S 2°20' E
	Ascend
41.60	Ore Spur bears E. and W.
	Leave dense undergrowth
	Descend gradually
50.00	Enter dense undergrowth
52.10	Queen Creek Course S. 20° E. 100 lks Wide
53.30	Leave dense undergrowth. ascend
65.00	Rocky draw Course W.
80.00	Set a limestone 20x10x4 ins in mound of stone for cor. of secs. 7, 8, 17 and 18 marked with 4 notches on S and 5 notches on E. ledge; and raise a mound of stone 2½ft base 1½ ft. high W. of cor. Pits impracticable
OK	Land Mountainous
	Soil rocky; 4th slate
	Timber sparse.
	Mountainous land and dense undergrowth 80.00 Chains.

	At this Cor. at 2h 36' P.M. l.m.t. I set off 22°56' N on dec.
	are 33° 21' N on lat arc and determined a true Mer. with Sola
	N. 89°55' E on a random line bet. secs. 8 and 17
40.00	Set temp. ¼ sec. cor.
80.26	Intersect N and S line 16 lks W. of cor of secs 8, 9, 16 and 17
	Thence I run
	N. 89°58 W. on a true line bet. secs. 8 and 17
	Over high mountain and rough land
	Descend
4.00	Gulch Course W.
	Ascend steep mountain
20.30	Top of high mountain bears N. and S.
	Descend over rough broken ground
34.00	Gulch Course S. W.
	Ascend
40.13	Falls on Quartzite ledge 75 ft. wide bears N. and S.
OK	I cut a cross + at the exact cor. point for ¼ sec. cor.
	marked ¼ on N side of cross; and raise a mound of
	stone 2 ft. base 1½ ft. high N. of cor.; Pits impracticable.
41.00	Bluff 30 ft. high
	Descend rapidly
60.40	Gulch Course S. W.

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BOOK 1851

Subdivision of T. 1 S. R 13 E

Chains	
	Ascend
65.60	Ridge bears N. and S.
	Descend rapidly
73.00	Deep Gulch Course S.
	Ascend
80.26	The cor. of secs. 7. 8. 17 and 18
	Land Mountainous
	Soil rocky; 4th rate
	No timber
	Mountainous land 80.26 chains
	June 9th 1905

June 10. At this Cor. at 8'30" a.m. I M.t. I set of 23° 00' N on dec. arc. 33° 21' N on lat arc and determined a true Mer. with the Solar.

West on a random line bet. Secs. 7 and 18

21.30	Intersect N. bdy. of the Tp. at cor. of Sec. 7, 12, 13 and 18
	Thence I run
	East on a true line between secs. 7 and 18
	Over mountainous land
	Descend
0.60	Queen Creek Course S 20° E 100 lks wide ascend
3.50	Low ridge bet. the forks of Queen Creek descend
7.20	East Fork Queen Creek Course S.
	Ascend
12.60	W. slope flat top mountain
17.00	Top of flat top mountain
	Descend
21.30	The cor. of secs 7, 8, 17 and 18
	Land mountainous
	Soil: 4th rate
	No timber
	Mountainous land 21.30 chains
	June 10th 1905

The land North of this corner is badly broken and cut by mountain ridges and deep cañons almost inaccessible and impracticable to survey;

I therefore end the survey at this corner this 10th day of June A.D. 1905

Retracement of the G. and S. R. Base Line
T. 1 N. R. 13 E

BOOK 1851

Chains	
	I begin at the Standard Cor. of Tps. 1 N. Rs. 12 and 13 E. which is a rock in place marked and witnessed as described by the surveyor general.
	~~May~~ 2nd 1905 at 7h a.m. b.m.t. I set off 33° 23' N ~~39° 22' W~~ on Lat. arc; 15° 18' W. on decl. arc and determine a true meridian with the solar.
	Thence I run
	East on S. bdy of sec. 31
	Over rough mountainous land
	Descend rapidly
23.50	Gulch Course S.
	Ascend
27.50	Low ridge bears N. and S. Descend
31.00	Enter dense undergrowth
32.20	Bottom of Hamsted Cañon 4 chains wide Course N. 80° E.
34.00	Ascend through dense underbrush
38.42	Falls 8 links N. of 1/4 sec. cor. which is a granite stone 10x10x8 ins. above ground firmly set and marked S.C. 1/4 on N.: with a mound of stone 2 ft. base 1½ ft. high N. of cor.: No pits. Cor. is located on N. slope of steep hillside. The true bearing to the corn. is S 89° 53' E 38.42 chns dist. From which I run
	East through dense underbrush
43.20	Ridge bears N and S
	Along S. side Hamsted cañon on steep hillside
55.00	Descend over broken land
71.00	Gulch with trail from Silver King mine Course N.
72.00	Leave underbrush. Ascend
76.62	Falls 14 lks. N. of cor. of secs. 31 and 32 which is a limestone 12x5x7 ins above ground firmly set marked S.C. on N. with 1 grooves on W. and 5 grooves on E. face; with a mound of stone 2 ft. base 1½ ft. high N. of cor.: no pits The true bearing to cor. is S 89° 48' E 38.20 chns. dist.
	Land Mountainous
	Soil rocky; 4th rate
	No timber
	Mountainous land and dense underbrush 76.62 chains
	Rain P.M. May 2nd 1905

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BOOK 1851 Retracement of the G. and S. R. Base Line
T. 1 N. R. 13 E

Chains	
	From the Stand Cor. of secs 31 and 32.
	I run
	East on S. bdy. of Sec. 32
	Over mountainous land, ascend
21.06	Top of high mountain bears N. and S.
	Descend steep slopes over broken land
34.40	Enter dense undergrowth
38.31	Falls 40 links N. of 1/4 Sec. cor. which is a red granite stone 12 x 4 x 6 ins above ground firmly set, marked 1/4 S.C. on N.; with mound of stone 2 ft base 1½ ft high N. of cor., No pits - or bearing trees - Cor. is located in a thicket of young Cypress trees and manzanita about 150 lks. S.W. of where 2 small gulches come together.
	The true course to cor. is S. 89° 24' E (S. 89° 38' E) 38.31 chains dist.
	from which Cor I run
	East
	Descend
40.10	Small gulch Course N. 20° E.
42.00	Leave dense undergroth ascend rapidly over deep gulches.
46.20	Ridge bears N. and S.
	Descend
52.00	Gulch Course N. E.
	Ascend
72.30	High mountain bears N. and S.
	Descend
74.72	Falls 25 lks S of cor. of secs 32 and 33 which is a stone
38 31	
36 41	in place 4 x 3 x 2 ft. above ground dimly marked with a cross+ S.C. on N. 2 grooves on W. and 4 grooves on E side of cross; and a mound of stone 2 ft base 1½ ft. high N. of cor; No Pits
	This cor. is located on W. side of a steep little gulch, course N, in a thicket of brush.
	The true course to cor. is N. 89° 36' E (N. 89° 39' E) 36.41 chains dist.
	Land mountainous and very broken
	Soil rocky; 4th rate
	Timber scattering in bottom of gulches
	Mountainous land and dense undergrowth 74.72 chains

Mary 4

At this Cor. at 2 P.M. l.m.t. I set off 15° 38' Hon Declination 33° 23' Hon lat. arc. and determined a true Meridian with the Solar.

Retracement of the G. and S. R. Base Line
T. 1 S., R. 13 E.

Chains	
	From the Stand. cor. of Secs 32 and 33
	I run
	East on S. bdy of Sec. 33
	Asc mountainous land
	Descend
3.50	Bottom of gulch Course N.
	Ascend
11.00	Low ridge bears N. and S.
	Descend
16.34	Gulch Course N.
	ascend
23.00	Ridge bears N. and S.
	Descend
27.00	Cañon Course N.
	Ascend
31.80	Top of ridge bears N. and S.
	Descend
37.99	Falls 12 lks S. of 1/4 sec. cor. which is a granite stone
	8 x 6 x 6 ins above ground firmly set and marked with
	S.C. 1/4 on N. face; with mound of stone 2 ft. base
	1½ ft. high N. of cor. No pits or bearing trees.
	The true Connects 1/4 Sec. cor. is N. 89° 50' E 37.99 Chns dist.
	From which I run
	East descending
49.00	Gulch Course N. E.
	Ascend
61.10	Top of high ridge bears N. 30° E. and S. 30° W.
	Descend
76.03	Falls 15 lks S of cor. of secs. 33 and 34 which is a granite stone
37.99	
38.04	firmly set 8 x 5 x 8 ins above ground marked S.C. on N.
	3 grooves on E. and W. faces; and mound of stone
	2 ft. base 1½ ft. high N. of cor. No pits or bearing trees
	Cor is located on E. slope of high ridge bears N and S
	The true Course to cor. is N. 89° 47' E. 38.04 chns dist.
	Land Mountainous
	Soil rocky; 4th rate
	No timber
	Mountainous land and dense undergrowth 76.03 Chains
	May 4th 1905

Retracement of the G. and S. R. Base Line
T. 1 N., R. 13 E

Chains	
	May 5th 1905 at 7h 30m a.m. I left off 33° 28' on Var. arc.; 16° 11' W. on decl arc. and determine a true meridian with the Polar.
	Thence from the corner of secs 33 and 34 I run East on S bdy of sec. 34
	Over mountainous land
	Descend
11.00	Deep gulch Course N.
	Ascend
18.00	Top of high ridge bears N. E. and S. W.
	Over broken land
34.30	Descend steep slope
38.50	Falls 25 lks N. of cor. of secs 34 and 35 which is a granite stone 12 x 6 x 6 ins above ground firmly set and plainly marked with 4 grooves on N. and 2 grooves on E. faces; and a mound of stone 2 ft. base 1½ ft. high N. of cor. No pits are bearing trees. The cor. is located on W. edge of Sycamore Cañon on rocky point.
	I find the S. line of sec. 34 is 41.50 chns. short and the ¼ Sec. cor. not having been found I return to the cor. of secs 33 and 34 and carefully remeasure the distance
	The difference in measurements is 0.10 lks; By first measurement 38.45 chns, by second measurement 38.55 chns. the mean of which is 38.50 chns.
	The true course to cor. is S 89° 38' E 38.50 chains dist.
	Land mountainous
	Soil rocky; 4th rate
	Timber sparse brush in Cañons
	Mountainous land 38.50 chains

Retracement of the G. and S. R. Base Line
T. 1 N., R. 13 E.

This page reversed see other side

Chains	
	From Stand cor. of secs 35 and 36 I run
	East on S. bdy. of sec. 36
	Over mountainous land
11.00	Foot of hill
	Ascend
18.00	Top of hill bears N.E. and S.W.
23.00	Descend
28.30	Gulch Course S. W.
	Ascend
36.00	Point of ridge bears N. and S.
39.64	Falls 50 lks N. of 1/4 sec. cor. which is a granite stone 9x4x6 ins above ground firmly set and marked S.C. 1/4 on N. face; with mound of stone 2ft. base 1½ ft. high N. of cor. No pits.
	The true course to cor. is S 89° 17' E. 39.64 chains dist.
	from which cor I run
	East
46.80	Descend
53.30	Gulch Course N.
	Ascend
66.20	Ridge bears N. and S.
	Descend rocky slope covered with dense undergrowth
79.20	Falls 8 lks S of the S.E. cor of Tp. which is a quartz stone 12x5x8 ins above ground firmly set. marked S.C. on N. 13 E on W. 14 E on E. and 6 grooves on N. E. and W. faces; with mound of stone 2ft. base 1½ ft. high N. of cor. No pits. Cor. is located on N. slope of hill in dense undergrowth about 8 chains S and N. of Pinto Creek.
	The true Course to cor. is N. 89° 53 E - 39.56 chns. dist.
	Lands mountainous
	Soil rocky; 4th rate
	Timber sparse Oak and Juniper
	Mountainous land, dense undergrowth 79.20 chns
	May 6th 1905

Retracement of the G. and S. R. Base Line
T. 1 S., R. 13 E.

BOOK 1851

chains	From the ~~cor.~~ Stand. of secs 34 and 35 I run
	East on S. bdy of secs 35
	Over mountainous land
	Descend into Sycamore Cañon Course
13.00	Bottom of Cañon Course N. (water) 20 lks wide
	Ascend
24.50	East edge of Cañon
	Over rough land broken with rocky ridges and gulches
32.70	Large rock on top of high ridge bears N.E. and S.W.
37.40	Descend beginning of steep descent, dense undergrowth
38.87	Falls 17 lks N. of 1/4 sec. cor. which is a stone 24×24×15 ins above ground marked with a cross + and S.C. 1/4 on N. side of cross with a mound of stone 2 ft. base 1½ ft. high N. of cor.. No pits
	The true course to cor. is S 89° 45' E 38.87 chains dist.
	from which ~~I~~ I run
	East
	Descend
73.00	Power's gulch Course N.
77.43	Falls 49 lks S. of cor of secs 35 and 36 which is a
~~38.87~~ 38.56	granite stone 10×7×5 ins above ground marked S.C. on N. and 5 grooves on W. and 1 groove on E. face.; with mound of stone 2 ft. base 1½ ft. high N. of cor.; No pits: Cor. located on brushy flat in Power's gulch
	The true course to cor. is ~~N 89° 18' E~~ N 89° 16' E 38.56 chns. dist.
	Land Mountainous
	Soil rocky; 4th rate
	Timber scattering Oak and Juniper Sycamore
	Mountainous land 77.43 chains
	May 5th 1905

May 6th

At this cor. at 8h a.m. L.M.T. I set off 16° 28' on dict. arc 33° 23' Non Lat. arc and determine a true meridian with the Solar.

This Township is very rough and mountainous in all parts and of little value for agriculture, grazing or mining. Water is scarce and the soil light in all except Section 13. The township is cut through the middle by Devil's Canon from 300 to 500 ft. deep, with many branches coming in from each side.

The only living stream is Queen Creek which heads in Sections 7 and 8 and traverses Sec's 17, 20, 21, 28 and 29 leaving the township at the corner of Sections 30 and 31; its entire course passing through deep rugged canons its waters are not available for irrigation in the township.

The timber is sparse and of little value. The timber over a considerable area having been cut for use at Silver King mine is replaced by a second growth. The timber is Oak, Juniper and Cypress.

There is some valuable mineral in the north of the township along the Base line, undeveloped, but the balance of the township is of volcanic origin with no indication of mineral deposits

The only land in the township good for pasture or agriculture is in Sections 13, 14 and Oak Flat in section 28

The improvements in the township is the Pinal Ranch owned by Ivons and Craig on Sections 13 consisting of about 320 acres fenced with 60 acres in orchard, garden and farm land irrigated by water pumped from a well; and a good adobe house and outbuildings.

There is also a stone house and corral on Section 29 claimed by Mr. Bellamy a cattleman and the ruins of the old Silver King pump station in Section 17

Alexander B. Titus
Compassman

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

BOOK 1851

LIST OF NAMES.

A list of the names of the individuals employed by Alexander B. Titus Compassman, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Exterior and Subdivisions of T. 1 S. R. 13 E Gand S. R. Meridian showing the respective capacities in which they acted:

Orlando E. Bowers, *Chainman.*
Daniel Hayes, *Chainman.*
Robert Jones, *Moundman.*
Geo. Huber, *Moundman.*
Ross Daley, *Axman.*
Thomas Judge, *Axman.*
Frank Nash, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alexander B. Titus Compassman, United States Deputy Surveyor, in surveying all those parts or portions of the Exterior and Subdivision lines of T. 1 S. R. 13 E G. and S. R. Meridian

of the 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

53A

The above Oath was subscribed ~~to~~ and sworn by Thomas Judge. before me this 11th day July 1905

R. H. Greene
Notary Public

My Commission Expires June 28-1906.

BOOK 1851

BOOK 1851

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alexander B Titus Compassman for T. B Jacobs, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from George Christ United States Surveyor General for the territory of Arizona, bearing date of the 23rd day of May 1901 ~~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 T 1 S. R 13 E. of the Gila and Salt River Base & M 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.

Alexander B. Titus
United States Deputy Surveyor.

Subscribed by said Alexander B Titus, and sworn to before me this 25th day of October 1905, ~~189~~

Frank A Ingalls
U. S. Surveyor General.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A.T., March 12th 1906, 189

The foregoing field notes of the survey of the subdivisional lines of T 1 S., R 13 E, and retracement of the Gila and Salt River Base Line through Range 13 East, of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by Alexander B. Titus, Compassman under his contract No. 81, dated March 23rd 1901, ~~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 A Ingalls
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.~~

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