

Book G
S. L. O. letter "E" April 25-1913
FIELD NOTES

2385
MAR. 13. 1912

621

OF THE SURVEY OF THE

BOOK 2385

Preparatory Subdivision of T. & P. R. 16 E.

Of the G. & O. R. Meridian,

In the State of Territory of Arizona

EXECUTED BY

William H. Elliott

In the capacity of U. S. Surveyor, under instructions dated March 11, 1911,

issued by the United States Surveyor General to govern surveys included in

Group No. 2, which were approved by the Commissioner of the General Land

Office, April 5, 1911, pursuant to authority contained in the Act of

Congress dated June 25, 1910 by March 4, 1911

Survey commenced April 18, 1911

Survey completed May 20, 1911

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BOOK 2385

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DEC 18 1911

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

64 10
BOOK 2385

WE, Albert Smith

and Max Godeff

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true 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 subdivisions of T. 4S., R. 16E.

Albert Smith, Chairman.

Max Godeff, Chairman.

Subscribed and sworn to before me this *18th*

day of *June*, 1911



William H. Elliott

U.S. Surveyor

WE, I, W.O. Temple

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 our skill and ability, in the survey of

Subdivisions of T. 4S., R. 16E.

W.O. Temple, Moundman.

, Moundman.

Subscribed and sworn to before me this *18th*

day of *April*, 1911



William H. Elliott

U.S. Surveyor

WE, _____ 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 our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this _____

day of _____, 19 _____



I, *Dexter Elwell*, 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 *Subdivisions of T. 4S., R. 16E.*

Dexter Elwell, Flagman.

Subscribed and sworn to before me this *18th*

day of *April*, 1911



William H. Elliott

U.S. Surveyor

Subdivision of Township 4 South, Range 16 East.

Chains.

Survey commenced April, 18, 1911, and executed with a Young & Sons solar transit No. 8480. The instrument was examined on the true meridian in Phoenix, March 6, 1911, Tested and found correct.
 For further tests, see notes of resurvey of frac. south boundary of this township, Book E.
 At 1h.p.m., l.m.t., I set off $33^{\circ}02'N.$ on the lat.arc; $10^{\circ}39\frac{1}{2}'N.$ on the decl.arc, and determine a true meridian with the solar, at the cor. of secs. 1, 2, 35 and 36.
 Thence I run,
 $N.0^{\circ}01'W.$, bet. secs. 35 and 36.
 Var. $13^{\circ}55'E.$
 Over mountainous land, through thick brush.
 1.50 Wash, 90 lks. wide, course NE.
 10.00 Same wash, 60 lks. wide, course NW.
 13.80 Ascend abruptly.
 28.80 Top of ridge, 450 ft. above wash, E. and W.; and descend.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 35 in W., and
 S 36 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 45.00 Deer Creek, 100 lks. wide, course W.
 As the land north of this is extremely mountainous, and of no value for agriculture, I here abandon the line.
 Land, mountainous.
 Soil, decomposed granite, 4th rate.
 No timber.
 Brush greasewood.

April 18, 1911.

 April 19, 1911. At 1h. a.m., l.m.t., I lay off $33^{\circ}02'N.$ on the lat.arc; $10^{\circ}59'N.$ on the decl.arc, and determine a true meridian with the solar, at the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the Tp.
 Thence I run,
 $N.0^{\circ}01'W.$, bet. secs. 34 and 35.
 Over mountainous land, through thick brush.
 3.28 Intersect line 1-4 of Golden Gate lode, Survey No. 2180, at $S.75^{\circ}57'W.$, 61 lks. from cor. No. 1, and $N.75^{\circ}57'E.$, 22.10 chs. from cor. No. 4.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 34 in W., and
 S 35 in E. half; raise a mound of stone 2 ft. base, and $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 41.00 Deer Creek, 50 lks. wide, course W.
 Land, mountainous.
 Soil, decomposed granite, 4th rate.
 No timber. Greasewood brush.
 As the land north of this is extremely mountainous, and of no value for agriculture, I here abandon line.

April 19, 1911.

 April 20: At 10h. a.m., l.m.t., I set off $33^{\circ}02'N.$ on the lat.arc; $11^{\circ}18\frac{1}{2}'N.$ on the decl.arc, and established a true meridian with the solar, at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the township.
 Thence I run,
 $N.0^{\circ}02'W.$, bet. secs. 33 and 34.
 Over mountainous land, through thick brush.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

2. Subdivision of Township 4 South, Range 16 East.

Chains.

80.00 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 33 in W., and
 S 34 in E. half; raise a mound of earth 2 ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
 in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 T 4 S R 16 E in N. half;
 S 28 in NW.,
 S 27 in NE.,
 S 34 in SE., and
 S 33 in SW. quadrant; raise a mound of stone $2\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, mountainous.
 Soil, decomposed rock, 4th rate.
 No timber.
 Greasewood brush.
 At this cor., I set off $11^{\circ}20'N.$ on the decl. arc, and
 at 11h.59m., l.m.t., observe the sun on the meridian;
 the resulting latitude is $33^{\circ}02\frac{1}{2}'N.$

4.00 N. $0^{\circ}02' W.$, bet. secs. 27 and 28.
 Over mountainous land, through thick brush.
 Deer Creek, 100 lks. wide, course W., and ascend abruptly.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 28 in W., and
 S 27 in E. half; raise a mound of stone 3 ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 As the land N. of this is extremely mountainous and of no
 value for agriculture, I here abandon the line.
 April 20, 1911.

April 29: At 7h. a.m., l.m.t., I set off $33^{\circ}02'N.$ on the
 lat. arc; $14^{\circ}15'N.$ on the decl. arc, and determine a
 true meridian with the solar at the cor. of secs. 4, 5,
 32 and 33 on the S. bdy. of the township.
 Thence I run,
 N. $0^{\circ}02' W.$, bet. secs. 32 and 33.
 Over mountainous land, through thick brush.
 28.75 Gila River bottom.
 33.00 Gila River, 100 lks. wide, course SW.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 32 in W., and
 S 33 in E. half; raise a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 43.74 A. E. R. R., N. $42^{\circ}05' E.$, and S. $42^{\circ}05' W.$, and ascend abruptly
 over very mountainous land.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground for cor. of secs. 28, 29, 32 and 33, marked
 on brass cap,
 T 4 S R 16 E in N. half;
 S 29 in NW.,
 S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quadrant; raise a mound of stone 2 ft.
 base, and $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous, except the 15 chs. across the Gila
 River bottom.
 Soil, 65 chs. very poor, 4th rate; about 10 chs. sedimen-
 tary deposit, 2nd rate.

Subdivision of Township 4 South, Range 16 East. 3.

Chains.

Timber, scattering mesquite in river bottom.
Greasewood brush.

40.00
79.84

East, on a random line, bet. secs.28 and 33.
Set temp. $\frac{1}{4}$ sec.cor.
Intersect N.and S. line, 8 lks.N.of cor. of secs.28,29,
32 and 33.

7.15
32.30
35.00
39.92

Thence I run,
N.89°57'W., on a true line, bet. secs. 28 and 33.
Over mountainous land, through thick brush.
Dear Creek, 100 lks.wide, course S.75°W.
Left bank Gila River, course S.
Right bank of Gila River.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 28 in N., and
S 33 in S.half; raise a mound of stone 2 ft.base,
 $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.

41.38
79.84

Thence ascend.
A.E.R.R., north and south.
Cor.of secs.28,29,32 and 33.
Land, mountainous.
Soil, a decomposed rock; 4th rate.
No timber.
Greasewood brush.

May 3, 1911: At 7h.30m.a.m., 1.m.t., I set off 33°2 $\frac{1}{2}$ 'N.
on the lat.arc; 15°28 $\frac{1}{2}$ 'N. on the decl.arc, and deter-
mine a true meridian with the solar, at the cor.of
secs. 28,29,32 and 33.

40.00

Thence I run,
N.89°42'W., on a true line, bet. secs.29 and 32.
Ascending over mountainous land, through thick brush.
Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in
the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 29 in N., and
S 32 in S.half; raise a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high, N.of cor.

As the land west of this is extremely mountainous, and of
no value for agriculture, I here abandon the line.

Land, mountainous.
Soil, a decomposed rock, 4th rate.
No timber.
Greasewood brush.

May 3, 1911.

May 4: At 7h. a.m., 1.m.t., I set off 33°02 $\frac{1}{2}$ 'N. on the
lat.arc; 15°46'N. on the decl.arc, and determine a
true meridian with the solar at the cor.of secs.28,29,
32 and 33.

40.00

Thence I run,
N.0°02'W., between secs.28 and 29.
Over mountainous land, through thick brush.
Set an iron ppst 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 29 in W., and
S 28 in E.half; raise a mound of stone 2 ft.base,
 $1\frac{1}{2}$ ft. high,W.of cor.

4. Subdivision of Township 4 South, Range 16 East.

Chains.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap,
 T 4 S R 16 E in N. half;
 S 20 in NW.,
 S 21 in NE.,
 S 28 in SE., and
 S 29 in SW. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
 Pits impracticable.
 Land, mountainous.
 Soil, a decomposed rock, 4th rate.
 No timber.
 Greasewood brush.

 N. 89° 42' W., on a true line, bet. secs. 20 and 29.
 Ascending over mountainous land, through thick brush.
 Road, NW. and SE.

30.25 Wash, 30 lks. wide, course NE.
 30.75
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 20 in N., and
 S 29 in S. half; raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.

45.74 Intersect line 3-4 of New York lode, Survey No. 2175, at S. 11° W., 91 lks. from cor. No. 4, and N. 11° E., 212 lks. from cor. No. 3.

71.50 Gulch, 50 lks. wide, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

T 4 S R 16 E in N. half;
 S 19 in NW.,
 S 20 in NE.,
 S 29 in SE., and
 S 30 in SW. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
 U.S.L.M. No. 1763 bears S. 13° 50' W., 33.20 chs. dist.
 The land beyond this is so extremely mountainous, that I here abandoned this line.
 Land, mountainous.
 Soil, a decomposed rock; 4th rate.
 No timber.
 Greasewood brush.

May 4, 1911.

 May 5: At 7h.a.m., 1.m.t., I set off 33° 03½' N. on the lat. arc; 16° 3½' N. on the decl. arc, and determine a true meridian with the solar, at the cor. of secs. 20, 21, 28 and 29.

Thence I run,
 N. 0° 02' W., bet. secs. 20 and 21.
 Over mountainous land, through thick brush.

6.00 Road to Christmas Mines, E. and W.
 26.00 Right bank of Gila River and up same.
 36.00 Leave river.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 20 in W., and
 S 21 in E. half; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Pits impracticable.

Subdivision of Township 4 South, Range 16 East.

Chains

At this point, river is 70 lks.E., and flows from N.50°E. Ascend abruptly over very rough land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor.of secs. 16,17,20 and 21, marked on brass cap,
 T 4 S R 16 E in N.half;
 S 17 in NW.,
 S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quadrant; raise a mound of stone 2 ft. base, and 1½ ft. high,W.of cor.

Pits impracticable.
 Land, mountainous.
 Soil, very rocky, decomposed; 4th rate.
 No timber.
 Greasewood brush.

May 5, 1911.

May 6. At 7h. a.m., l.m.t., I set off 33° 04½'N. on the lat.arc; 16°21'N. on the decl.arc, and establish a true meridian with the solar, at the cor.of secs. 16,17, 20 and 21.

Thence I run,
 East on a true line, bet. secs.16 and 21.
 Over mountainous land, through thick brush.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap,
 ¼ S 16 in N., and
 S 21 in S.half; raise a mound of stone 2 ft.base, 1½ ft. high,N.of cor.

Pits impracticable.
 Gila River bottom.
 66.90 Gila River, 70 lks.wide, course S.
 76.10 Ascend abruptly.
 76.70

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.15,16,21 and 22, marked on brass cap,
 T 4 S R 16 E in N.half;
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W.of cor.

Pits impracticable.
 Land, mountainous.
 Soil, decomposed rock, 4th rate.
 No timber.
 Greasewood brush.

May 6, 1911.

May 8: At 7h.a.m., l.m.t., I set off 33°04½'N.on the lat.arc; 16°54½'N. on the decl.arc; and determine a true meridian with the solar, at the cor.of secs.15, 16,21 and 22.

Thence I run,
 N.0°02'W., bet. secs.15 and 16.
 Over mountainous land, through thick brush.

12.00 Gila Bottom.
 23.00 Gila River, 120 lks.wide, course N.75°W.
 38.00 Ascend.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap,
 ¼ S 16 in W. and
 S 15 in E.half; raise a mound of stone 2 ft.

6. Subdivision of Township 4 South Range 16 East.

Chains.

80.00 base, 1½ ft. high, W. of cor.
 Pits impracticable.
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked on brass cap,
 T 4 S R 16 E in N. half;
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE., and
 S 16 in SW. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
 Pits impracticable.
 Land, mountainous, except in river bottom.
 Soil, bottom land, sandy loam, 2nd rate; mountainous land, 4th rate.
 Timber, mesquite and cottonwood in bottom; greasewood brush.
 May 8, 1911.

40.00 May 9: At 7h.a.m., 1.m.t., I set off 33°04½'N. on the lat. arc; 17°10½'N. on the decl. arc, and determine a true meridian with the solar, at the cor. of secs. 15, 16, 21 and 22.
 Thence I run, East, on a true line, bet. secs. 15 and 22.
 Over mountainous land, sloping north, through thick brush.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 15 in N., and
 S 22 in S. half; raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
 71.00 Left bank of Gila River, and up same.
 80.00 In river, at 3.56 chs., N.0°1'W., of true point for this cor., I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for W C to cor. of secs. 14, 15, 22 and 23, marked on brass cap,
 T 4 S R 16 in N. half;
 W C, S. of center,
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and
 S 22 in SW. quadrant; dig pits 18x18x12 ins., NE., SE., SW. and NW. of post, 5 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, mountainous, except along in river.
 Soil, a decomposed rock in mountains, 4th rate.
 River bed, sand, 4th rate.
 Timber, a few scattering mesquite along river; greasewood brush.

3.56 From true point for cor. of secs. 14, 15, 22 and 23, I run, N.0°01'W., between secs. 14 and 15.
 20.00 Over broken land, through brush.
 32.50 witness corner.
 40.00 House of W. George, N.85°W., 22 chs.
 Gila River, 2 chs. wide, course SE.
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
 ¼ S 15 in W., and
 S 14 in E. half; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
 Pits impracticable.

Subdivision of Township 4 South, Range 16 East.

Chains.

53.30 Gila River, 1 ch. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked on brass cap,
 T 4 S R 16 E in N. half;
 S 10 in NW.,
 S 11 in NE.,
 S 14 in SE., and
 S 15 in SW. quadrant; raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.
 Pits impracticable.
 Land, much broken.
 Soil, a decomposed rock; 4th rate.
 Timber, scattering cottonwood and mesquite along river.
 Greasewood brush.
 May 9, 1911.

May 10th. At 7h. a.m., 1.m.t., I set off 33° 05' N. on the lat. arc; 17° 26 1/2' N. on the decl. arc, and determine a true meridian with the solar, at the cor. of secs. 9, 10, 15 and 16.
 Thence I run,
 East, on a random line, bet. secs. 10 and 15.
 40.00 Set temp. 1/4 sec. cor.
 80.10 Intersect N. and S. line, 12 lks. S. of cor. of secs. 10, 11, 14 and 15.
 Thence I run,
 S. 89° 55' W., on a true line, bet. secs. 10 and 15.
 Over mountainous land, through thick brush.
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap,
 1/4 S 10 in N., and
 S 15 in S. half; raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 80.10 Cor. of secs. 10, 11, 14 and 15. ? - 9-10-15+16
 Land, mountainous.
 Soil, poor quality of gravelly loam; 3rd rate.
 No timber.
 Greasewood brush.
 May 10, 1911.

May 11: At 7h. a.m., 1.m.t., I set off 33° 04 1/2' N. on the lat. arc; 17° 42 1/2' N. on the decl. arc, and determine a true meridian with the solar, at the cor. of secs. 16, 17, 20 and 21.
 Thence I run,
 N. 0° 02' W., bet. secs. 16 and 17.
 Over mountainous land, through thick brush.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,
 1/4 S 17 in W., and
 S 16 in E. half; raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Pits impracticable.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap,
 T 4 S R 16 E in N. half;
 S 8 in NW.,
 S 9 in NE., S 16 in SE., and
 S 17 in SW. quadrant; raised a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

8. Subdivision of Township 4 South, Range 16 West.

Chains.

House of Clark's bears N.40°25' W., 16.60 chs.

Land, mountainous.

Soil, decomposed rock, 4th rate.

Timber, scattering palo verde and ironwood.

Greasewood brush.

At this cor. I set off, 17°45'N. on the decl.arc, and at 11h.56m., I observe the sun on the meridian; the resulting lat.is 33° 05'N.

East, on a random line, bet. secs.9 and 16.40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.22 Intersect N.and S. line, 16 lks.N.of the cor. of secs.9, 10, 15 and 16.

Thence I run,

N.89°53'W., on a true line, bet. secs.9 and 16.

Over mountainous land, through thick brush.

40.11 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 9 in N., andS 16 in S.half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

52.50 Center of Dripping Springs wash, 2 chs. wide, course S. 70°E.

56.20 House of John H. Young, 4.52 chs. S.

70.00 Ascend.

80.22 Cor.of secs.8,9,16 and 17.

Land, mountainous, except along in Dripping Springs wash for 20 chs.

Soil, decomposed rock, 4th rate in mountains, and gravelly loam 15 chs. W. of Dripping Springs wash.

Timber, scattering palo verde and mesquite.

Greasewood brush.

May 11, 1911.

May 12: At 7h. a.m., 1.m.t., I lay off 33°05'N. on the lat. arc; 17°58'N. on the decl.arc, and determine a true meridian at the cor.of secs. 9,10,15 and 16.

Thence I run,

N.0°02'W., bet. secs.9 and 10.

Over mountainous land, through thick brush.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 9 in W., andS 10 in E.half; raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high,W.of cor. Pits impracticable.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.3,4,9 and 10, marked on brass cap,

T 4 S R 16 E in N.half;

S 4 in NW.,

S 3 in NE.,

S 10 in SE., and

S 9 in SW. quadrant; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,W.of cor.

Pits impracticable.

Land, mountainous.

Soil, a very light gravelly loam, 4th rate.

Timber, scattering palo verde.

Greasewood brush.

Subdivision of Township 4 South, Range 16 East.

Chains.

At 1h. p.m., l.m.t., I set off 33°05'N., on the lat.arc; 18°01'N. on the decl.arc, and determine a true meridian at the cor.of secs. 8,9,16 and 17.

Thence I run,
N.0°02'W., bet. secs.8 and 9.
Over mountainous land, through thick brush.

3.00 Descend.
7.00 Dripping Spring's wash 2 chs.wide, course N.80°E.
10.00 Ascend.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 8 in N., and $\frac{1}{4}$ S 9 in E.half; raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.4,5,8 and 9, marked on brass cap,
T 4 S R 16 E in N.half;
S 5 in NW.,
S 4 in NE.,
S 9 in SE., and
S 8 in SW. quadrant; dig pits 18x18x12 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.

Land, mountainous.
Soil, gravelly loam, 3rd rate.
No timber.
Greasewood brush.

May 12, 1911.

May 13: At 7h.a.m., l.m.t., I set off 33°05'N.on the lat.arc; 18°13'N. on the decl.arc, and determine a true meridian at the cor.of secs.8,9,16 and 17.

Thence I run,
N.89°42'W., on a true line, bet. secs.8 and 17.
Over mountainous land, through thick brush.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 8 in N., and $\frac{1}{4}$ S 17 in S. half; raise a mound of stone 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,N.of cor.

Pits impracticable.

47.64 House of George bears N.41° 45'W., 28.20 chs.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 7,8,17 and 18, marked on brass cap,
T 4 S R 16 E in N.half;
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 18 in SW. quadrant; raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.
Land, mountainous.
Soil, gravelly loam, 3rd rate.
No timber.
Greasewood brush and palo verde.

Thence I run,
N.89° 42'W., on a true line, bet. secs.7 and 18.
Over mountainous land, through thick brush; ascending.

6.00 Road to Arizona-London Mines, SW.and NE.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

10. Subdivision of Township 4 South, Range 16 East.

Chains.

the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 7 in N., and
 S 18 in S.half; raise a mound of stone $2\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.

May 13, 1911.

May 19: At 1h. p.m., l.m.t., I set off $33^{\circ}05'N.$ on the
 lat.arc; $19^{\circ}40'N.$ on the decl.arc, and determine a
 true meridian with the solar at the $\frac{1}{4}$ cor., bet. secs.
 7 and 18.

Thence I run,

N. $89^{\circ}42'W.$, on a true line, bet. secs.7 and 18.

66.59 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
 the ground, for cor.of secs.7,12,13 and 18, marked on
 brass cap,

T 4 S in N.half;

R 15 E, S 12 in NW.,

R 16 E S 7 in NE.,

S 18 in SE., and

S 13 in SW. quadrant; 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.

Land, mountainous.

Soil, gravelly loam, 3rd rate..

No timber.

Greasewood and palo verde.

May 19, 1911.

May 16: At 7h. a.m., l.m.t., I set off $33^{\circ}05'N.$ on the
 lat.arc; $18^{\circ}57'N.$ on the decl.arc, and determine a
 true meridian with the solar at the cor.of secs. 7, 8,
 17 and 18.

Thence I run,

N. $0^{\circ}03'W.$, bet. secs.7 and 8.

Over mountainous land, through thick brush.

3.30 Road to Arizona-London Mines, NE.and SW.

19.45 Descend into Dripping Springs wash.

23.25 Foot of descent.

34.65 Road, E.and W.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,

 $\frac{1}{4}$ S 7 in W., and

S 8 in E.half; dig pits, $18 \times 18 \times 12$ ins. N. and S.of
 cor., 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high,W.of cor.

43.20 Dripping Springs wash, 3 chs.wide, course $S.80^{\circ}E.$

55.50 Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground for the cor.of secs. 5,6,7 and 8, marked
 on brass cap,

T 4 S R 16 E in N.half;

S 6 in NW.,

S 5 in NE.,

S 8 in SE., and

S 7 in SW. quadrant; 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 and 2 ft. high, W.of cor.

Land, mountainous, except 22.25 chs. in Dripping Springs
 wash bottom, which is level.

Soil, gravelly loam, 1st and 3rd rate.

Mesquite in bottom land.

Greasewood brush and palo verde.

At 1h. 56m., l.m.t., having at this cor. set off 18°

$59'N.$ on the decl.arc, I observe the sun on the meri-
 dian; the resulting lat.is $33^{\circ}06' N.$

Subdivision of Township 4 South, Range 16 East. 11.

Chains.

Thence I run,
 S.89°42'E., on a random line, bet. secs.5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.04 Intersect N.and S. line 9 lks.S. of cor.of secs.4,5,8
 and 9.
 Thence N.89°46'W., on a true line, bet. secs. 5 and 8.
 Over mountainous land, through thick brush.
 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 5 in N., and
 S 8 in S.half; dig pits 18x18x12 ins. E.and W.of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, N.of cor.
 80.04 Cor.of secs.5,6,7 and 8.
 Land, mountainous.
 Soil, gravelly loam, 2nd rate.
 No timber.
 Greasewood brush, and palo verde.
 May 16, 1911.

May 19: At 7h. 30m., a.m., l.m.t., I set off 33°06'N.on
 the lat.arc; 19°37 $\frac{1}{2}$ 'N. on the decl.arc, and determine
 a true meridian at the cor.of secs. 4,5,8 and 9.
 Thence I run,
 S.89°53'E., on a random line, bet. secs.4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.12 Intersect N.and S. line, 10 lks.S.of cor. of secs. 3,4,9
 and 10.
 Thence I run,
 N.89°57'W., on a true line, bet. secs.4 and 9.
 Over mountainous land, through thick brush.
 40.06 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 4 in N., and
 S 9 in S.half; dig pits 18x18x12 ins. E.and W.of
 post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, N.of cor.
 80.12 Cor.of secs.4,5,8 and 9.
 Land, mountainous.
 Soil, gravelly loam, 3rd rate.
 No timber.
 Greasewood brush and palo verde.
 May 19, 1911.

May 20: At 1h.p.m., l.m.t., I set off 35°06'N.on the
 lat.arc; 19°53'N. on the decl.arc, and determine a
 true meridian at the cor.of secs. 5,6,7 and 8.
 Thence I run,
 N.89°42'W., on a random line, bet. secs.6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 66.64 Intersect N.and S. line, 7 lks.N.of cor. of secs. 1,6,7
 and 12.
 Thence I run,
 S.89°45'E. on a true line, bet. secs.6 and 7.
 Over mountainous land, through thick brush.
 26.64 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 6 in N., and
 S 7 in S.half; dig pits 18x18x12 ins. E.and W.of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, N.of cor.

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Chains.

66.64 Cor. of secs. 5, 6, 7 and 8.
Land, mountainous.
Soil, gravelly loam, 2nd rate.
No timber.
Greasewood brush, and palo verde.

Note: No cors. of the Expansion Claim could be found on or near line, bet. secs. 20 and 21.

GENERAL DESCRIPTION.

The land embraced in this survey is very mountainous, ascending very rapidly from the river. There is very little soil. There is a growth of greasewood brush and cacti, with some palo verde. The $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30 is 3000 ft. above the river.

William H. Elliott
U.S. Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF NAMES.

BOOK 2385

A list of the names of the individuals employed by William H. Elliott

....., 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 subdivisions

of T. 4 S., R. 16 E.

showing the respective capacities in which they acted:

..... Max Grodell, *Chainman.*

..... Albert Smith, *Chainman.*

..... W.O. Temple, *Moundman.*

....., *Moundman.*

....., *Asman.*

....., *Asman.*

..... Dexter Elwell, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted William H. Elliott

....., United States ~~Deputy~~ Surveyor, in surveying all

those parts or portions of the subdivisions of T. 4 S., R. 16 E.

..... of the
G.S.R. 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

..... Albert Smith, *Chainman.*

..... Max Grodell, *Chainman.*

..... W.O. Temple, *Moundman.*

....., *Moundman.*

....., *Asman.*

....., *Asman.*

..... Dexter Elwell, *Flagman.*

Subscribed and sworn to before me this 8th

day of June, 19 11



William H. Elliott,

U.S. Surveyor.

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BOOK 14
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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, William H. Elliott United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank J. Magallon United States Surveyor General for Arizona, bearing date of the August 25, 1910 11th March, 1911, 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 subdivision of T. 4 S. R. 16 E.

of the G. S. R. meridian, in the County 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.

William H. Elliott
United States Deputy Surveyor.

Subscribed by said William H. Elliott, and sworn to before me }
this 28th day of October, 1911

Frank J. Magallon
United States Surveyor General



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Frank J. Magallon 16th March, 1912

The foregoing field notes of the survey of the Magallon Subdivision
of T. 4 S. R. 16 E. G. S. R. Meridian

executed by William H. Elliott
under his contract No. 2, dated August 25, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Magallon
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.