Book U

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2313 BOOK 2313

FIELD NOTES

2313

OF THE SURVEY OF THE

Subdivision of T 24 N. R 16 W.

2313

2313

Of the Gila and Salt River Base and Meridian,

In the ~~State of~~ Territory of Arizona

EXECUTED BY

Jesse D. Wright,

In the capacity of U. S. Surveyor, *under instructions dated* Sept 15, 1910, *issued by the United States Surveyor General to govern surveys included in Group No.* 9, *which were approved by the Commissioner of the General Land Office,* Sept 28, 1910, *pursuant to authority contained in the Act of Congress dated* February 21, ~~1911~~ 1899.

2313

Survey commenced April 30, 1911

Survey completed May 6, 1911

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2313

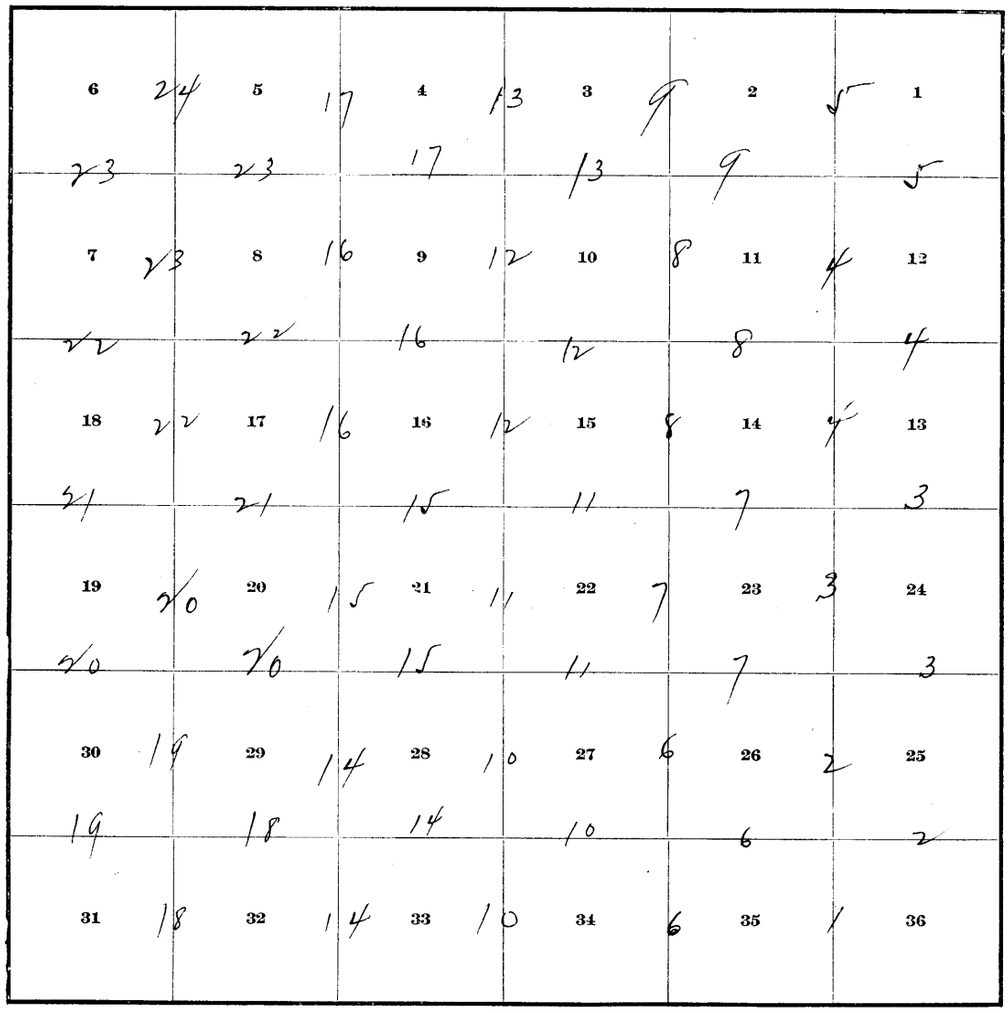
Book No. 2313

For Oaths, see Book B.

BOOK 2313

INDEX DIAGRAM.

Township 24 N., Range 16 W.



Note: For North Bdy. see Book C, Page 10
E. W. & S. Bdys. " " A " 10

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Chains.

Survey commenced April 30, 1911, and executed with a W. & L. E. Gurley light mountain transit, special make, unnumbered, with Burt's patent solar attachment. The horizontal limb of the instrument is provided with two double verniers placed opposite to each other, and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs.

At the cor. of secs. 1,2,35 & 36, on the S. bdy. of the Tp. as recently re-established by me, and heretofore described, I examine and test all the adjustments of the transit and solar attachment, and finding same correct as to tests, then ;

in order to test the solar apparatus, by comparing the results of observations on the sun, for meridians, made durning p.m. & a.m. hous respectively, with a true meridian determined by observation of Polaris, I proceed as follows :-

At 4h 30m p.m.,l.m.t., at the cor. above described, in lat. 35° 25' 15" N., long. 113° 56' 40" W., I set off 14° 41' N. on the decl.arc,and 35° 25' N. on the lat. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station. April 30, 1911.

May 1, 1911.

At 4h 53m a.m.,l.m.t., I observe Polaris at Eastern elongation, in accordance with instructions in the "manual", and mark the line thus determined by a tack in a stake driven firmly in the ground about 6 chs. N. of my station.

At 7h 30m a.m.,l.m.t., I set off the azimuth of Polaris, 1° 25½' to the West, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .30 ins. E. of the point in the meridian as determined by the solar on the preceding evening.

At 8h 0m. am. l.m.t. I set off 14° 53' N. on the decl.arc,and 35° 25' N. on the lat.arc,and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .40 ins. E. of the point in the true meridian as determined by Polaris observation.

The solar apparatus, by p.m. & a.m. observations, defines positions for meridians about 16" W.,and 21" E., respectively, of the true meridian as determined by Polaris observation.

These small errors being no greater than the usual personal errors of observation with solar instruments, I conclude that my instrument is in satisfactory adjustment.

The magnetic bearing of the true meridian at 7h 30m a.m., is N. 15° 25' W.; the angle thus determined gives the magnetic declination as 15° 25' E.

From the corner above described, I run, as per instructions,

N. 0° 1' W., bet. secs. 35 & 36.

Over mountainous land, ascending gradually.

22.00 Head of small gulch, course NW., ascend steeper.

38.00 Top of low saddle, on ridge, brs. WNW. & ESE., descend.

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. 35 in W., and
S. 36 in E. half,

raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.

43.00 Enter valley, foot of slope, brs. ENE. & WSW.

A lone butte in valley brs. West ,about 30 chs.dist.

Chains.

52.00 Gulch, 30 lks. wide, course NW.,

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 25,26,35 & 36, marked on brass cap,

T. 24 N., R. 16 W.,in N. half,
S. 26 in NW.,
S. 25 in NE.,
S. 36 in SE., and
S. 35 in SW. quadrants,

raise a mound of stone 3 ft.base, 2 ft.high W. of cor.

Land, mts., rolling.
Soil, 3rd rate, stony, gravelly.
Scattering greasewood, cacti. Good native grass.
No timber in this valley.

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

40.00 Set temp. ¼ sec. cor.

80.10 Intersect East bdy. of Tp. at cor. of secs. 25,30,31,& 36, whence I run,

West, on a true line, bet. secs. 25 & 36.
Over mts. land, asc. steep

15.00 Top of long spur, from high peak, thence along rough, stony N. slope.

32.00 A high rough peak brs. S. about 25 chs. dist. to top.

40.05 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. 25 in N., and
S. 36 in S. half,

raise a mound of stone 2 ft.base, 1½ ft.high N. of cor.

49.00 Top of divide at divergence of ridges to NNE. & NW.,& SE.

51.60 Top of a peak on ridge, brs. N. 1 ch., desc. prec.

70.00 Foot of main slope, brs. NNW. & SSE., desc. grad.

80.10 To cor. of secs. 25,26,35 & 36.

Land, mts., rolling.
Soil, 3rd rate, stony, gravelly.
Scattering cacti, palonegro, greasewood, sparse grass.

N. 0° 1' W., bet. secs. 25 & 26.
Over rolling land, near W. foot of main slope.

26.50 Point of long spur, brs. NW. & SE., desc. grad.

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. 26 in W., and
S. 25 in E. half,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 23,24,25 & 26, marked on brass cap,

T. 24 N., R. 16 W. in N. half,
S. 23 in NW.,
S. 24 in NE.,
S. 25 in SE., and
S. 26 in SW. quadrants,

dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, rolling.
Soil, 3rd rate, gravelly, loose, dry.
Scattering greasewood, good native bunch grass.

Chains	
	East, on a random line, bet. secs. 24 & 25.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect E. bdy. of Tp. at a point 2 lks. N. of cor. of secs. 19,24,25 & 30, whence I run,
	N. 89° 59' W., on a true line, bet. secs. 24 & 25.
	Over mts. land, asc.
23.00	Top of dividing ridge, brs. N. & S., desc.
40.09	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. 24 in N., and S. 25 in S. half, raise a mound of stone 3 ft. base, 2 ft. high N. of cor.
	Foot of main slope, asc.
42.50	Top of N. point of spur, brs. NW. & SE., desc.
54.00	Foot of spur, enter valley, brs. N. & S. desc. grad.
80.18	To cor. of secs. 23, 24, 25 & 26.
	Land, mts., broken.
	Soil, 3rd rate, stony, gravelly.
	Scattering greasewood, cacti. Fair grass in valley.

	N. 0° 1' W., bet. secs. 23 & 24.
	Over level valley, smooth and open.
30.80	Road, brs. ENE. & WSW.
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. 23 in W., and S. 24 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ 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. 13,14,23 & 24, marked on brass cap, T. 24 N., R. 16 W. in N. half, S. 14 in NW., S. 13 in NE., S. 24 in SE., and S. 23 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level, drains to NW.
	Soil, 2nd & 3rd rate, sandy, clayey, stiff clay subsoil.
	No undergrowth, good native grass.
	At this cor. at noon, ~~l.m.t.~~, I set off 14° 55' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 28' N.

	S. 89° 59' E., on a random line, bet. secs. 13 & 24.
40.00	Set temp. ¼ sec. cor.
80.24	Intersect East, bdy. of Tp. at a point 2½ lks. S. of cor. of secs. 13,18,19 & 24, whence I run,
	West, on a true line, bet. secs. 13 & 24.
	Over level valley, drains to N.
40.12	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. 13 in N., and S. 24 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.24	THE CORNER OF SECS. 13, 14, 23 & 24
	Land, level.
	Soil, 3rd rate, sandy, clayey in places, heavy, fertile.

Chains.

N. 0° 1' W., bet. secs. 13 & 14.
Over level plain or valley, desc. slightly.

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. 14 in W., and
S. 13 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 11,12,13 & 14, marked on brass cap,
T. 24 N., R. 16 W. in N. half,
S. 11 in NW.,
S. 12 in NE.,
S. 13 in SE., and
S. 14 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, nearly level.
Soil, 2nd rate, sandy, loamy, some clay, fertile.
Sparse sage brush, few cacti. Fair grass.

East, on a random line, bet. secs. 12 & 13.

40.00 Set temp. ¼ sec. cor.

80.28 Intersect E. bdy. of Tp. at point 2½ lks. N. of cor. of secs. 7,12,13 & 18, whence I run,
N. 89° 59' W., on a true line, bet. secs. 12 & 13.
Over level valley, drains to N.

40.14 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. 12 in N., and
S. 13 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.

80.28 To cor. of secs. 11,12,13 & 14.

Land, level.
Soil, 3rd rate, sandy, heavy, dry.
Sparse sage brush, cacti. Good native grass in places.

N. 0° 1' W., bet. secs. 11 & 12.
Over level plain, or valley, drains to N.

21.20 Old road, brs. NE. & SW.

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. 11 in W., and
S. 12 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 1,2,11 & 12, marked on brass cap,
T. 24 N., R. 16 W. in N. half,
S. 2 in NW.,
S. 1 in NE.,
S. 12 in SE., and
S. 11 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, level.
Soil, 3rd rate, sandy, heavy, dry, fertile.
Sparse sage brush, few cacti. Good native grass.

Chains.	
	S. 89° 59' E., on a random line, bet. secs. 1& 12.
40.00	Set temp. ¼ sec. cor.
80.30	Intersect E. bdy. of Tp. at cor. of secs. 1,6,7 & 12, whence I run,
	N. 89° 59' W., on a true line, bet. secs. 1 & 12.
	Over level or gently undulating plain, drains to N.
40.15	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. 1 in N., and S. 12 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
56.00	Old road, brs. NNE. & SSW.
80.30	To cor. of secs. 1,2,11 & 12.
	Land, level, gently undulating.
	Soil, 3rd rate, sandy, loose, dry.
	Sparse sage brush, cacti, good native grass.

	N. 0° 1' W., bet. secs. 1 & 2.
	Over gently undulating plain, drains N.
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. 2 in W., and S. 1 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
89.50	Intersect 6th Standard Parallel North at a point, whence the Std. cor. of Tps. 25 N., Rs. 15 & 16 W., brs. East, 18.26 chs. dist. as ~~re~~established by me, and heretofore described.
	At the point of intersection, I
	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 1 & 2, marked on brass cap, C.C., S. of centre, T. 25 N., R. 16 W. S. 36, R. 15 W. S. 31 in N. half, S. 1 in SE., and S. 2 in SW. quadrants, dig pits 24x18x12 ins.,crosswise on each line, E. & W.3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high S. of cor.
	Land, Level,
	Soil, 3rd rate, sandy, loose, dry. fertile.
	Sparse sage brush, cacti. Good native bunch grass.
	May 1, 1911.

Chains.

May 2, 1911.
At 8h a.m.,l.m.t., at the cor. of secs. 2, 3, 34 & 35, on the S. bdy. of the Tp.,
I set off 15° 11' N.on the decl.arc,and 35° 25' N. on the lat. arc, and determine a true meridian with the solar.
Thence I run,
N. 0° 1' W., bet. secs. 34 & 35.
Over gently rolling plain. drains to N.
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. 34 in W., and
S. 35 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
40.30 Road, brs. NNE. & SSW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26,27,34 & 35, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 27 in NW.,
S. 26 in NE.,
S. 35 in SE., and
S. 34 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base, 1½ ft.high W. of cor.
Land, gently undulating, drains to N.
Soil, 3rd rate, sandy, some clay, fertile.
Sparse sage brush, cacti, good native bunch grass.

East, on a random line, bet. secs. 26 & 35.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. & S. line at a point 2 lks. N. of cor. of secs. 25,26,35 & 36, whence I run,
N. 89° 59' W., on a true line, bet. secs. 26 & 35.
Over nearly level plain, drains to N.
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. 26 in N., and
S. 35 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
72.30 Road, brs. NNE. & SSW.
80.00 To cor. of secs. 26,27,34 & 35.
Land, level. Soil, 3rd rate, sandy, heavy loam. fertile.
Sparse sage brush, cacti. Dense native grass.

N. 0° 1' W., bet. secs. 26 & 27.
Over nearly level plain, drains to N.,
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. 27 in W., and
S. 26 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 22,23,26 & 27, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 22 in NW.,
S. 23 in NE.,
S. 26 in SE., and
S. 27 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
Land, level.
Soil, 3rd rate, sandy, heavy, fertile loam.
Scattering sage brush, cacti, dense in places.
Good native grass.

Chains.	
	S. 89° 59' E., on a random line, bet. secs. 23 & 26.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. & S. line at a point 2 lks. S. of cor. of secs. 23,24,25 & 26, whence I run,
	West, on a true line, bet. secs. 23 & 26.
	Over level plain, drains to N.
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. 23 in N., and S. 26 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
54.70	Road, brs. NNE. & SSW.
80.00	To cor. of secs. 22,23, 26 & 27.
	Land, level.
	Soil, 3rd rate, sandy, with clay subsoil, heavy, fertile.
	Sparse sage brush, cacti, dense in places. Good grass.
	N. 0° 1' W., bet. secs. 22 & 23.
	Over level plain, drains to N.
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. 22 in W., and S. 23 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 14,15,22 & 23, marked on brass cap, T. 24 N., R. 16 W., in N. half, S. 15 in NW., S. 14 in NE., S. 23 in SE., and S. 22 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
	Land, level.
	Soil, 3rd rate, sandy, clayey, heavy, fertile.
	Scattering sage brush, greasewood, cacti, dense bunch grass.
	East, on a random line, bet. secs. 14 & 23.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. & S. line at a point 4¼ lks. S. of cor. of secs. 13,14,23 & 24, whence I run,
	S. 89° 58' W., on a true line, bet. secs. 14 & 23.
	Over level plain, drains to N.
28.38	Road, brs. NNE. & SSW.
39.99	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. 14 in N., and S. 23 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
79.98	To cor. of secs. 14,15,22 & 23.
	Land, level.
	Soil, 3rd rate, sandy, clayey, fertile.
	Scattering sage brush, cacti, dense in places. Good grass.
	At this cor. at noon, ~~l.m.t.~~, I set off 15° 13' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 28' N.

Chains.

N. 0° 1' W., bet. secs. 14 & 15.
Over nearly level plain, drains to N.

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. 15 in W., and
S. 14 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 10,11,14 & 15, marked on brass cap,
T. 24 N., R. 16 W. in N. half,
S. 10 in NW.,
S. 11 in NE.,
S. 14 in SE., and
S. 15 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, level.
Soil, 3rd rate, sandy, with clay subsoil, heavy, fertile.
Sparse cadti, sage brush, native grass.

N. 89°58' E., on a random line, bet. secs. 11 & 14.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 11,12,13 & 14, whence I run,
S. 89°57' W., on a true line, bet. secs. 11 & 14.
Over nearly level valley, drains to N.

17.00 Road, brs. NNE. & SSW.

39.97 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. 11 in N., and
S. 14 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.

79.94 To cor. of secs. 10,11,14 & 15.

Land, level.
Soil, 3rd rate, sandy, with clay subsoil, heavy, fertile.
Sparse sage brush, cacti. Fair grass.

N. 0° 1' W., bet. secs. 10 & 11.
Over nearly level valley, drains to N.

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. 10 in W., and
S. 11 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 2,3,10 & 11, marked on brass cap,
T. 24 N., R. 16 W. in N. half,
S. 3 in NW.,
S. 2 in NE.,
S. 11 in SE., and
S. 10 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, level.
Soil, 2nd & 3rd rate, sandy, heavy,with clay subsoil,
Sparse undergrowth, fair grass, small playas here and there.

Chains.	
	N. 89° 57' E., on a random line, bet. secs. 2 & 11.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 1,2,11 & 12, whence I run,
	S. 89° 56' W., on a true line, bet. secs. 2 & 11.
	Over nearly level land, drains to N.
39.95	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. 2 in N., and S.11 in S. half,
	dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
79.90	To cor. of secs. 2,3,10 & 11..
	Land, nearly level.
	Soil, 3rd rate, sandy, clayey, heavy.
	No undergrwot, sparse grass, small playas here and there.

	N. 0° 1' W., bet. secs. 2 & 3.
	Over level plain.
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. 3 in W., and S. 2 in E. half,
	dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist.,and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
89.70	Intersect 6th Std. Parallel North, at a point whence Std. cor. of secs. 35 & 36, T. 25 N., R. 16 W., brs. East, 18.24 chs. dist., as re-established by me, and heretofore described.
	At the point of intersection, I
	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 2 & 3, marked on brass cap, C.C., S. of centre, T. 25 N.,R. 16 W., S. 35,S. 36 in N. half, S. 2 in SE., and S. 3 in SW. quadrants,
	dig pits 24x18x12 ins. ,crosswise on each line, E. & W., 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high S. of cor.
	Land, level.
	Soil, 2nd & 3rd rate, sandy, clayey, heavy, fertile.
	Sparse undergrowth, and native grass. Small playas in places.
	May 2, 1911.

Chains.

May 3, 1911.
At 8h a.m.,l.m.t., at the cor. of secs. 3,4,33 & 34, on the S. bdy. of the Tp.,
I set off 15° 29' N. on the decl.arc, and 35° 25' N. on the lat. arc, and determine a true meridian with the solar.
Thence I run,
N. 0° 2' W., bet. secs. 33 & 34.
Over smooth open valley, desc. slightly.
33.50 Small arroyo, course ENE.
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. 33 in W., and
S. 34 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 27,28,33 & 34, marked on brass cap,
T. 24 N., R. 16 W. in N. half,
S. 28 in NW.,
S. 27 in NE.,
S. 34 in SE., and
S. 33 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
Land, level, gently undulating.
Soil, 3rd rate, sandy.
Sparse sage brush, cacti. Good native grass.

East, on a random line, bet. secs. 27 & 34.
40.00 Set temp. ¼ sec. cor.
79.98 Intersect N. & S. line at cor. of secs. 27,26,34 & 35, whence I run,
West, on a true line, bet. secs. 27 & 34.
Over nearly level valley, drains to NE.
39.99 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. 27 in N., and
S. 34 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
79.98 To cor. of secs. 27,28,33 & 34.
Land, level.
Soil, 3rd rate, sandy, heavy, some clay.
Sparse sage brush, cacti. Good native grass.

N. 0° 2' W., bet. secs. 27 & 28.
Over gently undulating plain, drains to NE.
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. 28 in W., and
S. 27 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 21,22,27 & 28, marked on brass cap,
T. 24 N., R. 16 W. in N. half,
S. 21 in NW.,
S. 22 in NE.,
S. 27 in SE., and
S. 28 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
Land, level.
Soil, 3rd rate, sandy.
Sparse undergrowth, fair grass.

Chains.	
	East, on a random line, bet. secs. 22 & 27.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. & S. line at cor. of secs. 22,23,26 & 27, whence I run,
	West, on a true line, bet. secs. 22 & 27.
	Over nearly level plain, drains to NE.
39.98	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. 22 in N., and S. 27 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
79.96	To cor. of secs. 21,22,27 & 28.
	Land, level.
	Soil, 3rd rate, sandy, heavy, fertile.
	Sparse sage brush, cacti. Good grass.

	N. 0° 2' W., bet. secs. 21 & 22.
	Over gently undulating plain, drains to NE.
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. 21 in W., and S. 22 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 15,16,21 & 22, marked on brass cap, T. 24 N., R. 16 W., in N. half, S. 16 in NW., S. 15 in NE., S. 22 in SE., and S. 21 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
	Land, level.
	Soil, 3rd rate, sandy. heavy in places, with some clay.
	Sparse undergrowth, and native grass.

	East, on a random line, bet. secs. 15 & 22.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 14,15,22 & 23, whence I run,
	S. 89° 59' W., on a true line, bet. secs. 15 & 22.
	Over gently undulating valley, drains to NE.
39.99	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, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
79.98	To cor. of secs. 15,16,21 & 22.
	Land, level, gently undulating.
	Soil, 3rd rate, sandy, gravelly, with some clay in places.
	Sparse sage brush, cacti. Good native grass.
	At this cor. at noon, ~~l.m.t.~~, I set off 15° 31' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 28' N.

Chains.

N. 0° 2' W., bet. secs. 15 & 16.
Over gently undulating valley, desc. slightly.

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,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 9,10,15 & 16, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 9 in NW.,
S. 10 in NE.,
S. 15 in SE., and
S. 16 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, level, gently undulating.
Soil, 3rd rate, sandy, gravelly, some clay underlying.
Sparse sage brush, cacti. Good native grass.

N. 89° 59' E, on a random line, bet. secs. 10 & 15.

40.00 Set temp. ¼ sec. cor.

79.98 Intersect N. & S. line a t a point 2 lks. N. of cor. of secs. 10,11,14 & 15, whence I run,
West, on a true line, bet. secs. 10 & 15.
Over level valley, drains to NE.

39.99 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. 10 in N., and
S. 15 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.

79.98 To cor. of secs. 9,10,15 & 16.

Land, level.
Soil, 3rd rate, sandy, some clay, heavy, fertile.
Sparse sage brush, cacti chollas. Good native grass.

N. 0° 2' W., bet. secs. 9 & 10.
Over nearly level valley, drains to NNE.

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. 9 in W., and
S. 10 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 3,4,9 & 10, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 4 in NW.,
S. 3 in NE.,
S.10 in SE., and
S. 9 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, level.
Soil, 3rd rate, sandy, clayey, heavy, fertile.
Sparse sage brush, cacti. Good native grass.

Chains.

East, on a random line, bet. secs. 3 & 10.
40.00 Set temp. ¼ sec. cor.
80.02 Intersect N. & S. line at a point 9 lks. S. of cor. of secs. 2,3,10 & 11, whence I run,
S. 89° 56' W., on a true line, bet. secs. 3 & 10.
Over gently undulating plain, nearly level, drains N.
40.01 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. 3 in N., and
S. 10 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
80.02 To cor. of secs. 3,4, 9 & 10.
Land, level.
Soil, 3rd rate, sandy, heavy, with some clay, fertile.
Sparse undergrowth, fair grass.

N. 0° 2' W., bet. secs. 3 & 4.
Over level plain, drains to N.
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. 4 in W., and
S. 3 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
89.87 Intersect 6th Std. Parallel North at a point, whence Std. cor. of secs. 34 & 35, T. 25 N.,R. 16 W., brs. East, 18.30 chs. dist., as re-established by me, and heretofore described.
At the point of intersection, I
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 3 & 4, marked on brass cap,
C.C., S. of centre,
T. 25 N.,R. 16 W., S. 34, S. 35, in N. half,
S. 3 in SE., and
S. 4 in SW. quadrants,
dig pits 24x18x12 ins., crosswise on each line, E. & W., 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high S. of cor.
Land, level.
Soil, 3rd rate, sandy, gravelly, some clay in places.
Sparse sage brush, cacti. Good coarse bunch grass.

May 3, 1911.

Chains.	
	May 4, 1911.
	At 8h a.m.,l.m.t., at the cor. of secs. 4,5,32 & 33, on the S. bdy. of the Tp., I set off 15° 47' N. on the decl.arc,and 35° 25' N. on the lat. arc, and determine a true meridian with the solar. Thence I run,
	N. 0° 3' W., bet. secs. 32 & 33.
	Over rolling land.
15.00	Wash, 50 lks. wide, course E.
19.00	Asc. S. slope of malapais ridge.
21.00	Top of ridge, near E. point, brs. E. & W., desc.
24.00	Foot of N. slope, enter valley, brs. E. & W., desc. grad.
31.00	Wash, 20 lks. wide, course ESE., asc. grad.
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. 32 in W., and S. 33 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
45.00	Asc. steep SW. slope of spur from ridge.
65.00	Top of Spur, brs. SE. & NW., desc. steep.
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 & 33, marked on brass cap, T. 24 N., R. 16 W., in N. half, S. 29 in NW., S. 28 in NE., S. 33 in SE., and S. 32 in SW. quadrants, raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.
	Land, rolling,mts. Soil, 3rd rate, gravelly, stony.
	Scattering greasewood, cacti, sage brush. Fair grass.
	East, on a random line, bet. secs. 28 & 33.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. & S. line at cor. of secs. 27,28,33 & 34, whence I run,
	West, on a true line, bet. secs. 28 & 33.
	Over rolling land, asc. grad.
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. 28 in N., and S. 33 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
40.75	Road, brs. N. & S.
50.50	Foot of black malapais hill, E. end, asc. steep.
60.40	Top of spur, brs. SE. & NW., desc.
78.00	Gulch, 20 lks. wide, course NE., asc.
80.00	To cor. of secs. 28,29,32 & 33.
	Land, rolling, mts. Soil, 3rd rate, gravelly, stony.
	Sparse greasewood, cacti. Good grass in valley.
	N. 0° 3' W., bet. secs. 28 & 29.
	Over mts. land, desc.
2.50	Gulch, 25 lks. wide, course NE., asc. steep.
21.70	Top of ridge, at divergence of spurs, NE., N. & SW.courses. Thence on spur to N.
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. 29 in W., and S. 28 in E. half, raise a mound of stone 3 ft.base, 2 ft.high W. of cor.
	Desc. from ¼ cor.
52.00	Foot of N. point of spur., desc. grad.
58.00	Wash, 50 lks. wide, course NE.
61.88	Old road, brs. NW. & SE.,Thompsons Ranch to Kingman.

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 & 29, marked on brass cap, T. 24 N., R. 16 W., in N. half,
S. 20 in NW.,
S. 21 in NE.,
S. 28 in SE., and
S. 29 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
Land, rolling, mts. Soil, 3rd rate, gravelly, stony.
Scattering greasewood cacti. Good grass in valley.

East, on a random line, bet. secs. 21 & 28.
40.00 Set temp. ¼ sec. cor.
79.98 Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 21,22,27 & 28, whence I run,
N. 89° 59' W., on a true line, bet. secs. 21 & 28.
Over gently rolling land, asc. grad.
39.99 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. 21 in N., and
S. 28 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
79.98 To cor. of secs. 20,21,28 & 29.
Land, gently rolling. Soil, 3rd rate, sandy, gravelly,
Sparse greasewood, cacti, sage brush. Good grass.

N. 0° 3' W., bet. secs. 20 & 21.
Over gently undulating plain, drains to NE.
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,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 16,17,20 & 21, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 17 in NW.,
S. 16 in NE.,
S. 21 in SE., and
S. 20 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
Land, level, gently undulating. Soil, 3rd rate, sandy.
Scattering greasewood, cacti. Good native grass.

S. 89° 59' E., on a random line, bet. secs. 16 & 21.
40.00 Set temp. ¼ sec. cor.
79.94 Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 15,16,21 & 22, whence I run,
West, on a true line, bet. secs. 16 & 21.
Over gently rolling land, asc. grad., smooth and open.
39.80 Foot of malapais hill, brs. N. & S., asc.
39.97 Set an iron post 3 ft. long, 1 in. in diam., 24 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.
47.60 Top of N. side of hill, apex is 5 chs. to S., desc.
56.00 Foot of hill, brs. NNE. & SSW., asc. grad.
79.94 To cor. of secs. 16,17,20 & 21.
Land, level, rolling, mts. Soil, 3rd rate, sandy, stony.
Sparse greasewood, cacti, sage brush. Good grass.
At this cor. at noon, the sky is slightly overcast.
Impracticable to observe the latitude.

Chains.

N. 0° 3' W., bet. secs. 16 & 17.
Over rolling land.

32.00 East end of rocky hill, brs. E. & W., top about 20 chs.W.

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. 17 in W., and
S. 16 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.

74.00 Wash, 30 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. 8,9,16 & 17, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 8 in NW.,
S. 9 in NE.,
S. 16 in SE., and
S. 17 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, rolling.
Soil, 3rd rate, sandy, gravelly, dry.
Scattering greaseweood, cacti, sage brush. Fair grass.

East, on a random line, bet. secs. 9 & 16.

40.00 Set temp. ¼ sec. cor.

79.98 Intersect N. & S. line at a point 5 lks. S. of cor. of secs. 9,10,15 & 16, whence I run,

S. 89° 58' W., on a true line, bet. secs. 9 & 16.
Over nearly level plain, drains to NE.

39.99 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. 9 in N., and
S. 16 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.

77.16 Wash, 30 lks. wide, course NNE., spreads out & disappears.

79.98 To cor. of secs. 8,9,16 & 17.

Land, level, gently undulating.
Soil, 3rd rate, sandy, gravelly, loose, dry.
Sparse greasewood, cacti, sage brush. Good native grass.

N. 0° 3' W., bet. sec. 8 & 9.
Over nearly level land, or valley, drains to NNE.

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. 8 in W., and
S. 9 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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 & 9, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 5 in NW.,
S. 4 in NE.,
S. 9 in SE., and
S. 8 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.

Land, level.
Soil, 3rd rate, sandy, loose, dry.
Sparse greasewood, cacti. Good native grass.

Chains.

N. 89°58' E., on a random line, bet. secs. 4 & 9.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. & S. line at a point 5 lks. S. of cor. of secs. 3,4,9 & 10, whence I run,
S. 89°56' W., on a true line, bet. secs. 4 & 9.
Over gently undulating or level land, drains NNE.
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. 4 in N., and
S. 9 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
80.00 To cor. of secs. 4,5,8 & 9.
Land, level.
Soil, 3rd rate, sandy, loose, dry, some clay in places.
Sparse greasewood, cacti. Dense, coarse bunch grass.

N. 0° 3' W., bet. secs. 4 & 5.
Over level valley, drains to NNE.
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. 5 in W., and
S. 4 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
90.00 Intersect 6th Std. Parallel North at a point, whence Std. cor. of secs. 33 & 34, T. 25 N., R. 16 W., brs. East, 18.33 chs. dist., as re-established by me, and heretofore described.
At the point of intersection, I
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 4 & 5, marked on brass cap,
C.C., S. of centre,
T. 25 N., R. 16 W., S. 33, S. 34, in N. half,
S. 4 in SE., and
S. 5 in SW. quadrants,
dig pits 24x18x12 ins., crosswise on each line, E. & W. 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high S. of cor.
Land, level.
Soil, 3rd rate, stiff, heavy, sandy, clayey loam.
Sparse sage brush, cacti. Fair grass.

May 4, 1911.

Chains.

May 5, 1911.
At 8h a.m.,l.m.t., at the cor. of secs. 5,6,31 & 32, on the S. bdy. of the Tp.,
I set off 16° 4' N. on the decl.arc,and 35°25'N. on the lat. arc, and determine a true meridian with the solar.
Thence I run,
N. 0° 3' W., bet. secs. 31 & 32.
Over rolling land.

17.00 Wash, 50 lks. wide, course E.
22.00 Foot of slope, brs. E. & W., asc. steep.
34.40 Top of black malapais hill, brs. E. & W. desc. steep.
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. 31 in W., and
S. 32 in E. half,
raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.
Thence desc. grad. along W. slope of spur, near top.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29,30,31 & 32, marked on brass cap, T. 24 N., R. 16 W., in N. half,
S. 30 in NW.,
S. 29 in NE.,
S. 32 in SE., and
S. 31 in SW. quadrants,
raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.
Land, rolling, mts.
Soil, 3rd rate, gravelly, stony.
Sparse greasewood, cacti. Good grass in valley.

East, on a random line, bet. secs. 29 & 32.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. & S. line at cor. of secs. 28,29,32 & 33, whence I run,
West, on a true line, bet. secs. 29 & 32.
Over mts. land, asc.
18.00 Top of hill at divergence of spurs to NE.,SE., and WSW.
24.00 Desc. NW. slope.
32.00 Gulch, 50 lks. wide, near head, course NE., asc. steep.
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. 29 in N., and
S. 32 in S. half,
raise a mound of stone 3 ft.base, 2 ft.high N. of cor.
49.00 Top of flat spur, brs. NNE. & SSW.
51.00 Desc. steep NW. slope.
65.00 Gulch 50 lks. wide, near head, course NNE., asc.
75.00 Top of spur, brs. N. & S., desc.
80.00 To cor. of secs. 29,30,31 & 32.
Land, broken, mts.
Soil, 3rd rate, gravelly, stony.
Sparse greasewood, cacti, native grass.

Chains.	
	West, bet. secs. 30 & 31.
	Over mts. land, desc. steep.
7.00	Foot of steep slope, brs. NE. & SW., desc. grad.
10.50	Wash, 30 lks. wide, course NE., asc. grad.
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. 30 in N., and S. 31 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
55.00	Along N. foot of slope of hill, brs. E. & W., top of same about 12 chs. to S.
92.00	W. end of hill is S. about 10 chs.
117.00	Old road, brs. N. & S.
127.32	Intersect East bdy. of T. 24 N., R. 17 W., at point whence cor. of secs. 25 & 36 on said bdy., brs. North, 25.20 chs., as established by me, and heretofore described.
	At the point of intersection, I
	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 30 & 31, marked on brass cap, C.C., E. of centre, T. 24 N. in N., and S. 25, S. 36, R. 17 W. in W. half, S. 30 in NE., and S. 31, R. 16 W. in SE. quadrants, raise a mound of stone 2 ft.base, 1½ ft.high E. of cor.
	Land, mts., rolling.
	Soil, 3rd rate, sandy, gravelly, dry.
	Scattering greasewood, cacti. Fair grass.

	N. 0° 3' W., bet. secs. 29 & 30.
	Over mts. land, desc.
8.00	Foot of NW. slope, brs. NE. & SW., desc. gradually
10.00	Wash, 100 lks. wide, course NE.
15.00	Wash, 100 lks. wide, course ESE.
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. 30 in W., and S. 29 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ 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. 19, 20, 29 & 30, marked on brass cap, T. 24 N., R. 16 W., in N. half, S. 19 in NW., S. 20 in NE., S. 29 in SE., and S. 30 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
	Land, level, mts., rolling, drains to NE.
	Soil, 3rd rate, sandy, gravelly, loose, dry.
	Sparse greasewood, cacti, sage brush. Good native grass in valley.
	At this cor. at noon, ~~l.m.t.~~, I set off 16° 6' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 27' N.

Chains.

East, on a random line, bet. secs. 20 & 29.
40.00 Set temp. ¼ sec. cor.
80.02 Intersect N. & S. line at cor. of secs. 20,21,28 & 29, whence I run,
West, on a true line, bet. secs. 20 & 29.
Over gently rolling land, asc. slightly.
20.15 Road, brs. NW. & SE.
40.01 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,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
80.02 To cor. of secs. 19,20,29 & 30.
Land, gently rolling.
Soil, 3rd rate, sandy, gravelly, dry.
Scattering greasewood, cacti, sage brush. Good grass.

West, bet. secs. 19 & 30.
Over gently rolling land, asc. grad.
25.00 Foot of S. slope of malapais hill, top of hill about 20 chs. to N. , thence over rough, broken foot hills.
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. 19 in N., and
S. 30 in S. half,
raise a mound of stone 2 ft.base, 1½ ft.high N. of cor.
101.00 Old road, brs. N. & SSW.
127.30 Intersect East bdy. of T. 24 N.,R. 17 W.,at point whence, cor. of secs. 24 & 25 on said bdy.,brs.North,25.15 chs. as established by me, and heretofore described.
At the point of intersection I
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 19 & 30, marked on brass cap,
C.C., E. of centre,,
T. 24 N. in N., and
S. 24, S. 25, R. 17 W. in W. half,
S. 19 in NE., and
S. 30, R. 16 W. in SE. quadrants,
raise a mound of stone 2 ft.base, 1½ ft.high E. of cor.
Land, rolling, broken.
Soil, 3rd rate, sandy, gravelly.
Sparse greasewood, cacti. Fair grazing.

N. 0° 3' W., bet. secs. 19 & 20.
Over rolling land, desc. grad.
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. 19 in W., and
S. 20 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
44.50 Road, brs. NW. & SE.
54.50 Wash, 100 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. 17,18, 19 & 20, marked on brass cap,
T. 24 N., R. 16 W., in N. half,
S. 18 in NW.,
S. 17 in NE.,
S. 20 in SE., and
S. 19 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft. base, 2 ft.high W. of cor.
Land, rolling. Soil, 3rd rate, sandy, gravelly, dry.
Scattering greasewood, cacti. Good native grass.

Chains	
	East, on a random line, bet. secs. 17 & 20.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. & S. line at a point 2 lks. S. of cor. of secs. 16,17,20 & 21, whence I run,
	S. 89° 59' W., on a true line, bet. secs. 17 & 20.
	Over gently undulating plain, asc. slightly.
40.02	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. 17 in N., and
	S. 20 in S. half,
	dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
56.00	Wash, 75 lks. wide, course NE.
65.00	Wash, 100 lks.wide, course NE.
80.04	To cor. of secs. 17,18,19 & 20.
	Land, gently rolling.
	Soil, 3rd rate, sandy, gravelly, loose, dry.
	Sparse greasewood, cacti. Good native grass in places.
	May 5, 1911.

May 6, 1911.

At 8h a.m.,l.m.t., at the cor. of secs. 17,18,19 & 20, I set off 16° 21' N. on the decl.arc,and 35° 28' N. on the lat. arc, and determine a true meridian with the solar. Thence I run,

West, bet. secs. 18 & 19.

Over gently rolling land, asc. grad.

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. 18 in N., and
	S. 19 in S. half,
	dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
50.00	Road, brs. NW. & SE.
70.00	Top of rise, brs. NE. & SW., desc. grad.
75.00	Wash, 30 lks. wide, course NNE.
95.00	Wash, 100 lks.wide, course N.
117.00	Old road, brs. NW. & SE.
127.24	Intersect East bdy. of T. 24 N., R. 17 W.,at point whence, cor. of secs. 13 & 24, on said bdy.,brs.North,25.00 chs.
	At the point of intersection, I
	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 18 & 19, marked on brass cap,
	C.C., E. of centre,
	T. 24 N., in N., and
	S. 13, S. 24, R. 17 W. in W. half,
	S. 18 in NE., and
	S. 19, R. 16 W. in SE. quadrants,
	dig pits 24x18x12 ins. crosswise on each line, N. & S., 3 ft., and E. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high E. of cor.
	Land, rolling.
	Soil, 3rd rate, sandy, gravelly, dry.
	Sparse greasewood, cacti, sage brush.
	Good native bunch grass.

Chains.	
	N. 0° 3' W., bet. secs. 17 & 18.
	Over gently rolling land, drains to E.
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. 18 in W., and S. 17 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
52.00	Wash, 100 lks. wide, course E.
66.00	Foot of slope, brs. NW. & SE., asc. steep.
77.00	Top of spur from granite hill, brs. W. & E., ,near W.end. Desc. NW. slope.
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 & 18, marked on brass cap, T. 24 N., R. 16 W. in N. half, S. 7 in NW., S. 8 in NE., S. 17 in SE., and S. 18 in SW. quadrants, raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.
	Land, rolling, mts. Soil, 3rd rate, stony, gravelly.
	Sparse greasewood, cacti. Good grass in valley.

	N. 89°59' E., on a random line, bet. secs. 8 & 17.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. & S. line at a point 2½ lks. S. of cor. of secs. 8,9,16 & 17, whence I run,
	S. 89°58' W., on a true line, bet. secs. 8 & 17.
	Over gently rolling land, asc. grad.
40.04	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. 8 in N., and S.17 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft.dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
49.00	Leave valley, brs. NNW. & SSE., asc. ENE. slope.
74.50	Top of granite hill, brs. NNW. & SSE., desc.
80.08	To cor. of secs. 7,8,17 & 18.
	Land, rolling, mts. Soil, 3rd rate, sandy, gravelly,stony.
	Scattering greasewood, cacti. Good grass in valley.

	West, bet. secs. 7 & 18.
	Over gently rolling land, desc. steep.
4.00	Foot of slope, brs. N. & S., asc. grad., smooth land.
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. 7 in N., and S. 18 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
	Cor. near foot of S. end of lone ridge, extends NNW. ½ mile.
75.00	Wash, 50 lks. wide, course N.10° E.
109.00	Wash,100 lks. wide, course NE.
127.18	Intersect East bdy. of T. 24 N.,R.17 W.,at point whence, cor. of secs. 12 & 13,of said bdy.brs. N. 24.95 chs.dist., as established by me, and heretofore described. At the point of intersection, I
	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 7 & 18, marked on brass cap, C.C., E. of centre, T. 24 N. in N., and S. 12, S. 13, R. 17 W., in W. half, S. 7 in NE.,and S.18,R.16 W. in SE.quadrants, raise a mound of stone 2 ft.base, 1½ ft.high E. of cor.
	Land, rolling. Soil, 3rd rate, sandy, dry.
	Scattering greasewood,sage brusg. Good native grass.

Chains.	
	N. 0° 3' W., bet. secs. 7 & 8.
	Over mts. land, desc. along NW. slope of granite mtn., over huge boulders.
7.50	Foot of slope, brs. NNE. & SW., thence desc. grad.,
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. 7 in W., and S. 8 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft.dist., and raise a mound of earth 3½ ft.base, 1½ 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. 5,6,7 & 8, marked on brass cap, T. 24 N., R. 16 W., in N. half, S. 6 in NW., S. 5 in NE., S. 8 in SE., and S. 7 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor.
	Land, gently rolling mts.
	Soil, 3rd rate, sandy, gravelly, dry.
	Sparse greasewood, cacti, sage brush, fair grass.
	At this cor. at noon, ~~l.m.t.~~, I set off 16° 23' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 30' N.

	N. 89° 58' E., on a random line, bet. secs. 5 & 8.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. & S. line at a point 5 lks. S. of cor. of secs. 4,5,8 & 9, whence I run,
	S. 89° 56' W., on a true line, bet. secs. 5 & 8.
	Over gently rolling land, asc. slightly, drains to NE.
40.01	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. 5 in N., and S. 8 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
80.02	To cor. of secs. 5,6,7 & 8.
	Land, level, gently rolling. Soil, 3rd rate, sandy, loose.
	Sparse sage brush, cacti. Good grass in places.

	West, bet. secs. 6 & 7.
	Over gently rolling land, drains to NE.
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. 6 in N., and S. 7 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
46.00	Wash, 100 lks. wide, course NE., near spreading point.
105.00	NW. end of long granite ridge, brs. NW. & SE., desc.grad.
109.00	Wash, 50 lks. wide, course NNE.
127.10	Intersect East bdy. of T.24 N.,R.17 W., at point whence, cor. of secs. 1 & 12, on said bdy.,brs. N. 25.00 chs., as established by me, and heretofre described. At the point of intersection, I Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 6 & 7, marked on brass cap, C.C., E. of centre, T. 24 N., in N., and S. 1, S. 12,R.17 W., in W. half, S. 6 in NE., and S.7R16W in SE quadrants, dig pits 24x18x12 ins.,crosswise on each line,N.& S. 4 ft., and E. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high E. of cor.
	Land, rolling. Soil, 3rd rate, sandy, gravelly, loose,dry.
	Sparse sage brush, cacti. Good grass.

Chains.

N. 0° 3' W., bet. secs. 5 & 6.
Over gently rolling land, desc. slightly, drainage NE.
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. 6 in W., and
S. 5 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.
90.30 Intersect 6th Std. Parallel North, at a point, whence Std. cor. of secs. 32 & 33, T.25 N.,R.16 W., brs. East, 18.20 chs. dist., as re-established by me, and heretofore described.
At the point of intersection, I
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 5 & 6, marked on brass cap,
C.C., S. of centre,
T. 25 N., R. 16 W., S. 32, S. 33 in N. half,
S. 5 in SE., and
S. 6 in SW. quadrants,
dig pits 24x18x12 ins., crosswise, on each line, E. & W., 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high S. of cor.
Land, gently rolling.
Soil, 3rd rate, sandy, gravelly, loose, dry.
Sparse undergrowth, Dense, coarse bunch grass.
May 6, 1911.

General Description.

T. 24 N., R. 16 W., is somewhat broken and mts. in the SE. & SW. portions, and level or rolling in the NE. & NW. portions.
The soil varies from a loose, light sandy loam, in the rolling parts, to a stiff, heavy clayey soil in the level portions.
There is no water or timber in the township, no any trace of settlements or occupation of the land.
The NE. portion of the Tp. is fertile, and would prodice well, if irrigated.

Jesse B. Wright
U. S. Surveyor.

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APPROVAL.

BOOK 231

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz., March 25, 1912

The foregoing field notes of the survey of the subdivision of T 2 N. R 16 W., G. & S. R. Meridian, Arizona

executed by Jesse B. Wright, U.S. Surveyor

under his special instructions dated Sept. 16, 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 A. Ingalls

U. S. Surveyor General.