2439

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BOOK 2439

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AUG 1 - 1912

Book "U"

Accepted G.L.O. letter "E" Dec. 15-1913.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T.22 N.,R.9 W

Of the Gila and Salt River, Pana and *Meridian,*

In the State of Arizona

EXECUTED BY

William H. Elliott

In the capacity of U. S. Surveyor, *under instructions dated* August 28, *1911*, *issued by the United States Surveyor General to govern surveys included in Group No.* 15, *which were approved by the Commissioner of the General Land Office,* September 28, *1911*, *pursuant to authority contained in the Act of Congress dated* June 25, *1910*

Survey commenced Nov. 15, 1911, *191*

Survey completed Dec. 6, 1911, *191*

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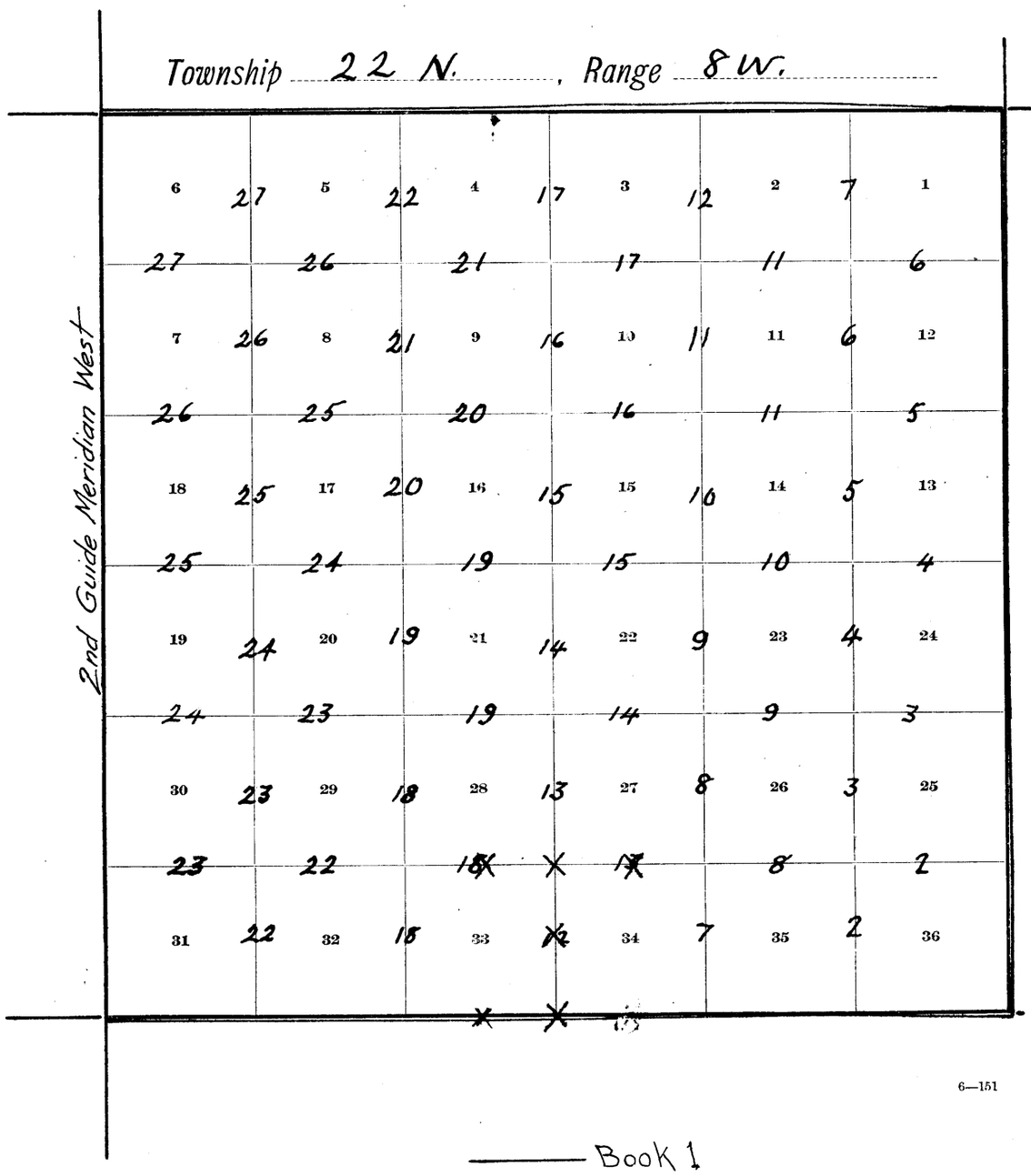
BOOK 2439

INDEX DIAGRAM.

Township 22 N., Range 8 W.



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——— Book 1

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X corners moved by A.C. Horton in Aug. 1914

Chains

Survey commenced Nov.15,1911,and executed with a Young & Sons light mountain transit No.8480,with Smith's patent solar attachment on side.

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 verniersof the latitude and declination arcs of the solar.

This instrument having been approved by the Surveyor-General of Arizona and the Supervisor of Surveys of this district,and transmitted to me for use in these surveys, on Nov.6th 1911 I proceed to the field and establish my camp at the cor.of Tps.22 & 23 N.,Rs.8 & 9 W.,lat.35°20'N.,long.113°09'57"W.,which is an iron post 3 ins.in dia.1 ft.above ground with brass cap,marked and witnessed as described by the Surveyor General of Arizona. Nov.6,1911

At this cor.I test all the adjustments of the transit and solar attachment,and correct the levels and line of collimation; then,in order to test the solar apparatus,by comparing the results of observations of the sun for meridians,made during a.m.and p.m.hours respectively,with a true meridian as established by observation of Polaris,I proceed as follows:-

At 4h.p.m.,l.m.t.,at the cor.above described,I set off 35°20'N.on the lat.arc,15°50½'S.on the decl.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

Nov.6,1911.

Nov.7,1911.

At 4h.22½m.a.m.,l.m.t.,I observe Polaris at W.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 5 chs. N.of my station.

At 7h.55m.a.m.,l.m.t.,I set off the azimuth of Polaris, 1°26'to the E.,and mark the true meridian thus determinedby a tack in the stake 5 chs.N.of my station, which point falls .35 ins.W.of the point in the meridian as determined by the solar on preceding afternoon.

At 8h.0m.a.m.,l.m.t.,I set off 35°20'N.on the lat.arc,16°2½'S.on the decl.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 .20 ins.W.of the point in the true meridian as determined by Polaris observation.

The solar apparatus,by p.m.& a.m.observations,defines position for meridian about 30"E.and 11"W.,respectively of the true meridian as determined by observation of Polaris; therefor I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.a.m. is 15°50'W.;the angle thus determined gives the magnetic declination as 15°50'E.

Nov.7,1911.

Knowing that my instrument is in correct adjustment,on Nov.15th I proceed to the cor. of secs.1,2,35 and 36 on the S.bdry..as recently established by me, & described in Book 1,

At 8h.a.m.,l.m.t. I set off 18°15'S.on the decl.arc,and 35°15'N.on the lat.arc,and determine a meridian with the solar.

Thence I run,

Subdivision of T.22N.,R.8 W.

Chains	
	N.0°1'W.bet.secs.35 and 36.
	Over rolling land.
35.75	Road,NW.& SE. Fort Rock to Seligman
40.00	Set an iron post 3 ft.long,1 in.in dia.26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 35 in W.,and ¼ S 36 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 dia.,24 ins.in the ground for cor.of secs.35,26,35 & 36,marked on brass cap, T 22 N R 8 W,in N.half; S 26 in NW.,, S 25 in NE.,, S 36 in SE.,and S 35 in SW.quadrants; dig pits 18x18x12 ins.in each sec.5½ft.dist.,and raise a mound of earth 4 ft.base,2 ft.high W.of cor.
	Land,rolling.
	Soil,sandy loam mixed with gravel,2nd and 3rd rate.
	No timber.
	Good grass.
	At this cor.at noon,I set off 18°20 'S.on the decl.arc, and observe the sun on the meridian. The resulting latitude is 35°15½'N.

	E.on a random line bet.secs.25 & 36.
40.00	Set temp.¼ sec.cor.
79.98	Intersect E.bdry.of Tp.2 lks.S.of cor.of secs.25.30.31 & 36.recently established & described by me in Book 1
	Thence I run
	S.89°59'W.on a true line bet.secs.25 & 36.
	Desc.NW.slope of hill.over mountainous land,through cedar and pinon.
6.00	Wash,10 lks.wide,course NE.and asc.
29.00	Top of ridge,NE.& SE.and desc.preciptously.
39.99	Set an iron post 3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 25 in N.,and S 36 in S.half;from which
	A pinon tree 8 ins.in dia.,bears N.39¾°E.49 lks.dist., marked ¼ S 25 B T
	A pinon tree 8 ins.in dia.,bears S.47½°W.39 lks.dist., marked ¼ S 36 B T
62.00	Foot of descent and enter rolling land
70.50	Leave cedar and pinon,N.& S.
79.98	Cor.of secs.25.26.35.& 36,hereinbefore described.
	Land,mountainous.
	Soil,stoney,rocky,3rd rate except the last 18 chs.which is sandy loam mixed with gravel,2nd rate.
	Cedar and pinon.
	Good grass.

Nov.15,1911.

Subdivision of T.22 N., R.8 W.

Chains	
	Nov.16,1911
	At 8h.a.m.,l.m.t.I set off 18°31'S.on the decl.arc,and 35°15½'N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.25.26.35 & 36, heretofore described,
	Thence I run
	N.0°1'W.bet.secs.25 and 26,
	Over undulating land,sloping W.
18.00	Enter scattering cedar,NE.& SW.
40.00	Set an iron post 3 ft.long,1 in.in dia.,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 dia.,24 ins in the ground for cor.of secs.23,24,25 & 26,marked on brass cap, T 22 N.,R 8 W in N.half; S 23 in NW., S 24 in NE., S 25 in SE.,and S 26 in SW.quadrants;from which A cedar tree 12 ins.in dia.bears N52¾°E.444 lks.dist., marked T 22 N R 8 W S 24 B T A cedar tree 14 ins.in dia.bears S.19°E.145 lks.dist., marked T 22 N R 8 W S 25 B T A cedar tree 14 ins.in dia.bears S.82°W.350 lks.dist., marked T 22 N R 8 W S 26 B T A cedar tree 12 ins.in dia.bears N.23¾°W. 342 lks.dist., marked T 22 N R 8 W S 23 B T
	Land,undulating.
	Soil,sandy loam mixed with gravel,dry,2nd rate.
	Cedar and pinons.
	Good grass.

	N.89°59'E.on a random line bet.secs.24 & 25 [illegible] temp.¼ sec.cor.
80.04	Intersect E.bdry of Tp.2 lks.N.of the cor.of secs.19,24, 25 & 30.,recently established & described by me in Book 1,
	Thence I run
	West on a true line bet.secs.24 and 25
	Asc.through cedar and pinon.
11.00	Ridge,NNE.&SSW.and desc.
20.00	Wash,40 lks.wide,course SW.and asc.
40.02	Set an iron post 3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap. ¼ S 24 in N.,and S 25 in S.half;from which A cedar tree 9 ins.in dia.bears N.37¼°E.60 lks.dist., marked ¼ S 24 B T A pinon tree 8 ins.in dia.bears S.42½°E.32 lks.dist., marked ¼ S 25 B T
	At this cor.at noon I set off 18°35½'S.on the decl.arc, and observe the sun on the meridian. The resulting latitude is 35°16½'N.
44.00	Top of ridge NW.& SE.and desc.
68.00	Foot of ridge,NW.& SE.and over undulating land.
80.04	Cor.of secs.23,24,25 & 26, heretofore described.
	Land,rolling.
	Soil,sandy loam mixed with gravel,dry,2nd rate.
	Cedar and pinon.
	Good grass

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Subdivisions of T.22 N.,R 8 W.

Chains	
	N.0°1'W.bet.secs 23 and 24.
	Over rolling land,through heavy cedar and pinon.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 23 in W.,and S 24 in E.half;from which A cedar tree 9 ins.in dia.bears N.85°E.97 lks.dist., marked ¼ S 24 B T A cedar tree 6 ins.in dia.,bears S.44½°W.16 lks.dist., marked ¼ S 23 B T
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground for cor.of secs.13,14,23 & 24,marked on brass cap, T 22 N R 8 W in N.half; S 14 in NW., S 13 in NE., S 24 in SE.,and S 23 in SW.quadrants;from which A cedar tree 6 ins.in dia.bears N.75°E.126 lks.dist., marked T 22 N R 8 W S 13 B T A cedar tree 9 ins.in dia.bears S.13°E.70 lks.dist., marked T 22N R 8 W S 24 B T A cedar tree 12 ins.in dia.,bears S 70¾°W.205 lks.dist., marked T 22 N R 8 W S 23 B T A cedar tree 8 ins.in dia.,bears N.67½°W.103 lks.dist., marked T 22 N R 8 W S 14 B T
	Land,rolling.
	Soil,Sandy loam mixed with gravel,dry,2nd and 3rd rate.
	Cedar and pinon.
	Good grass.
	Nov.16,1911

	Nov.17,1911.
	At 8h.a.m.;l.m.t.,I set off 18°47'S.on the decl.arc,and 35°17½'N.on the lat.arc,and determine a meridian with the solar,at the cor. of secs.13,14,23 and 24, hereinbefore described.
	Thence I run,East on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.00	Intersect the E.bdy of the Tp.at the cor.of secs.13,18, 19 and 24,recently established & described by me in Book 1,
	Thence I run
	West on a true line bet.secs.13 and 24.
	Over heavily rolling land,through cedar and pinon,descend. in saddle.
1.00	Leave saddle and asc.along SE.slope of ridge.
26.00	Top of ridge and along S.slope of same.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 13 in N.,and S 24 in S.half;from which A cedar tree 9 ins.in dia.,bears N.41½°E.90 lks.dist., marked ¼ S 13 B T A cedar tree 8 ins.in dia.,bears S.61½°W.86 lks.dist., marked ¼ S 24 B T
54.25	Draw,50 lks.wide,course SE.,heads 4 chs.NW.and asc.
64.00	Desc.to valley.
80.00	Cor.Of secs.13,14,23 & 24, hereinbefore described.
	Land,rolling.
	Soil,gravelly loam,dry,2nd rate.
	Cedar and pinon.
	Good grass.

Chains	
	N.0°1'W.bet.secs.13 and 14.
	Along W.slope of ridge,through heavy cedar and pinon,D-sc.
21.00	Wash,10 lks.wide,course SW.and asc.
30.50	Round knoll and d-sc.
35,90	Road NE.& SW.,and over rolling land.Timber becomes scattering.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ Sec.cor.,marked on brass cap, ¼ S 14 in W.,and S 13 in E.half,from which A cedar tree 10 ins.in dia.bears N.35°W.209 lks.dist., marked ¼ S.14 B T A cedar tree 7 ins.in dia. bears S.49½°E.105 lks.dist., marked ¼ S 13 B t.
79.90	Draw,8 chs.wide,course SE.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.11,12,13 and 14,marked on brass cap, T.22 N R 8 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 and 2 ft.high W.of cor.
	Land,heavily rolling.
	Soil,gravelly loam mixed with rock,dry,2nd rate.
	Cedar and pinon.
	Good grass.
	At this cor.at noon I set off 18°50½'S.on the decl.arc, and observe the sun on the meridian. The resulting latitude is 35°18½'N.

	East on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.02	Intersect E.bdy.of Tp.5 lks.N.of cor.of secs.7,12,13 & 18, recently established & described by me, in Book 1, whence I run
	N.89°58'W.on a true line bet.secs.12 and 13,
	Over heavily rolling land,through dense cedar and pinon, descending
20.00	Ridge,NW.& SE.and d-sc.
34.50	Draw,1.50 chs.wide,course SE.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 12 in N.,and S 13 in S.half,from which A pinon tree 9 ins.in dia.bears N.71¼E.65 lks.dist., marked ¼ S 12 B T A cedar tree 8 ins.in dia.bears S.68½°W.28 lks.dist., marked ¼ S 13 B T
54.00	Leave cedar,NW.& SE.
80.02	Cor.of secs 11,12,13 and 14. hereinbefore described
	Land,heavily rolling.
	Soil,sandy loam mixed with gravel and rock,dry,2nd rate.
	Cedar and pinon.
	Good grass.

Subdivision of T.22 N.,R.8 W.

Chains	
	Nov.18,1911.
	At 8h,a.m.,l.m.t.,I set off 19°1'S.on the decl.arc;35° 18½'N.on the lat.arc,and determine a meridian with the solar,at the cor.of secs.11,12,13 and 14,hereinbefore described.
	Thence I run
	N.0°1'W.bet.secs.11 and 12.
	Over rolling land,through scattering cedar and pinon.
38.00	Desc.into deep draw.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 11 in W.,and S 12 in E.half,from which A cedar tree 8 ins.in dia.bears S.22°E.86 lks.dist., marked ¼ S.12 B T. A cedar tree 8 ins.in dia.bears N.42°W.58 lks.dist., marked ¼ S 11 B T
46.00	Wash,10 lks.wide,in draw,course SE.and asc. S.slope of steep rocky hill.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,11 and 12,marked on brass cap T 22 N R 8 W in N.half; S 2 in NW., S 1 in NE., S 12 in SE.,and S 11 in SW.quadrants;from which A pinon tree 8 ins.in dia.bears N.24¼°E.18 lks.dist., marked T 22 N R 8 W S 1 B T A pinon tree 9 ins.in dia.bears S 22½°E.76 lks.dist., marked T 22 N R 8 W S 12 B T A pinon tree 8 ins.in dia.bears S.44¼°W.53 lks.dist., marked T 22 N R 8 W S 11 B T A pinon tree 7 ins.in dia.bears N.78½°W.40 lks.dist., marked T 22 N R 8 W S 2 B T
	Land,heavily rolling and mountainous.
	Soil,rocky,dry,3rd and 4th rate.
	Cedar and pinon.
	Sparse grass.

	S.89°58'E.on a random line bet.secs.1 and 12.
40.00	Set temp ¼ sec.cor.
80.00	Intersect E.bdy.of Tp.2 lks.S.of the cor. of secs.1,6,7 & 12,recently established & described by me in Book 1.
	Thence I run
	N,89°59'W.on a true line,bet.secs.1 and 12.
	Over mountainous land,through scattering cedar and pinon.
13.00	Draw,1 ch.wide,course NE.and asc.alongSE.slope of ridge.
32.00	Ridge N.& S.and desc.
36.00	Wash,10 lks.wide,course N.and asc.alongNE.slope of ridge.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 1 in N.,and S 12 in S.half; raise a mound of stone 2 ft.base,1½ ft.high N.of cor.
	At this cor.at noon I set off 19°5'S.on the decl.arc.and observe the sun on the meridian.
	The resulting latitude is 35°19'N.
56.00	Top of ridge,NW.& SE.and desc.SSW.slope
65.00	Asc.precipitous SSE.slope over loose rock.
80.00	Cor.Of secs.1,2,11 and 12hereinbefore described
	Land,mountainous.
	Soil,gravelly loam mixed with rock,dry,3rd rate.
	Cedar and pinon.
	Sparse grass.

Subdivision of T.22 N.,R 8 W.

Chains	
	N.0°1'W.on a random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.bdy.of Tp.5 lks.W.of the cor.of secs.1,2,35 and 36.,recently established & described by me in Book 1
	Thence I run,S.0°1'W.on a true line bet.secs.1 and 2.
	Over mountainous land,through scattering cedar and pinon.
5.50	Ridge,NW.& SE.and desc.
10.00	Wash,15 lks.wide,course E.
14.00	Asc.steep.
40.06	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 2 in W.,and S 1 in E.half;from which A pinon tree 10 ins.in dia.bears S.52°E.91 lks.dist., marked ¼ S 1 B T A pinon tree 12 ins.in dia.bears N.65°W.93 lks.dist., marked ¼ S 2 B T
47.00	Top of mountain and over slightly rolling land.
72.00	Desc.abrubtly.
78.00	Desc.gradually.
80.06	Cor.of secs.1,2,11 and 12,hereinbefore described.
	Land,mountainous.
	Soil,gravelly,rocky,dry,3rd and 4th rate.
	Cedar and pinon.
	Sparse grass.

Nov.18,1911.

Nov.20,1911.

At 8h.a.m.,l.m.t.,I set off 19°29'S.on the decl.arc; 35°15'N.on the lat.arc,and determine a meridian at the cor.of secs.2,3,34 and 35 on the S.bdy.of the Tp.,recently-established & described by me in Book 1

Thence I run N.0°1'W.bet.secs.34 and 35.

Over rolling land,through heavy cedar and pinon.

17.00	Drain,10 lks.wide,course SE.
28.00	Over volcanic formation.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 34 in W.,and S 35 in E.half;from which A cedar tree 6 ins.in dia.bears S.73¼°E.85 lks.dist., marked ¼ S 35 B T A pinon tree 8 ins.in dia.bears N.69¼°W.37 lks.dist., marked ¼ S 34 B T
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.26,27,34 and 35,marked on brass cap, T 22 N R 8 W.in N.half; S 27 in NW., S 26 in NE. S 35 in SE.,and S 34 in SW.quadrants,from which A cedar tree 20 ins.in dia.bears N.74½°E.147 lks.dist., marked T 22 N R 8 W S 26 B T A cedar tree 20 ins.in dia.bears S.25½°E.210 lks.dist., marked T 22 N R 8 W S 35 B T A cedar tree 13 ins.in dia.bears S.41¾°W.202 lks.dist., marked T 22 N R 8 W S 34 B T A cedar tree 18 ins.in dia.bears N.76¼°W.170 lks.dist., marked T 22 N R 8 W S27 B T
	Land.,rolling.
	Soil,sparse [illegible] with malpais rock,dry,3rd and 4th rate.
	Cedar and pinon.
	Sparse grass.
	At this cor.at noon,I set off 19°33'S.on the decl.arc, and observe the sun on meridian,
	The resulting latitude is 35°15½'N.

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BOOK 2439

Subdivision of T.22 N.,R.8 W.

Chains	
	East on a random line bet.secs.26 & 35
40.00	Set temp.¼ sec.cor.
99.98	Intersect N.& S.line 7 lks.S.of the cor.of secs.25,26,35 and 36, hereinbefore described.
	Thence I run
	S.89°57 'W. on a true line bet.secs.26 & 35.
	Over slightly rolling land.
14.15	Road,NNW.& SSE.
30.00	Enter scattering cedar and pinon,NNW.& SSE.
39.99	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 26 in N.,and S 35 in S.half;from which A cedar tree 7 ins.in dia.bears S.15°E.23 lks.dist., marked ¼ S 35 B T A cedar tree 20 ins.in dia.bears N.16½°W.142 lks.dist, marked ¼ S 26 B T
79.98	Cor.of secs.26,27,34 and 35, hereinbefore described.
	Land,rolling.
	Soil,sandy loam mixed with gravel,dry,2nd rate.
	Scattering cedar and pinon.
	Good grass.
	Nov.20,1911.

Nov.21,1911.
At 8h.a.m.;l.m.t.,I set off 19°43'S.on the decl.arc; 35°15½'N.on the lat.arc,and determine a meridian with the solar,at the cor.of secs.26,27,34 and 35, hereinbefore described
Thence I run
N.0°1'W.bet.secs.26 and 27.
Over rolling land,through heavy cedar and pinon.

6.00	Draw,3 chs.wide,course E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 27 in W.,and S 26 in E.half,from which A cedar tree 20 ins.in dia.bears S.51°E.765 lks.dist., marked ¼ S 26 B T A cedar tree 6 ins.in dia.,bears S.6½°W.112 lks.dist., marked ¼ S 27 B T
42.00	Draw,2 chs.wide,course NE.
75.15	Draw,3 chs.wide,course ENE.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground for cor.of secs.22,23,26 & 27,marked on brass cap, T 22 N R 8 W in N. half; S.22 in NW., S 23 in NE., S 26 in SE.,and S 27 in SW.quadrants,from which A cedar tree 9 ins.in dia.,bears N.67½°E.143 lks.dist, marked T 22 N R 8 W S 23 B T A cedar tree 34 ins.in dia.bears S.69¼°E.52 lks.dist., marked T 22 N R 8 W S 26 B T A cedar tree 20 ins.in dia.bears S.21¼°W.190 lks.dist, marked T 22 N R 8 W S 27 B T A cedar tree 8 ins.in dia.bears N.74°W.116 lks.dist., marked T 22 N R 8 W S 22 B T
	Land,rolling.
	Soil,sandy loam mixed with gravel and rock,dry,2nd rate.
	Cedar and pinon.
	Good grass.

Chains	
	N.89°57'E.on a random line bet.secs.23 & 26
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.& S.line 2 lks.N.of cor.of secs.23,24,25 & 26.
	Hereinbefore described, thence I run
	S.89°58'W.on a true line bet.secs.23 & 26,
	Rolling land in wide valley,drainage N.,through scattering cedar and pinon.
34.00	Leave cedar and pinon,N.& S.
40.03	Set an iron post,3 ft.long,1 in.in dia.36 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.and raise a mound of earth 3½ ft.base,1½ ft.high,N.of cor.
45.00	Road,N.& S.,Fort Rock to Seligman.
68.00	Leave valley and asc.
80.06	Cor.of secs.22,23,26 and 27, **hereinbefore described**.
	Land,rolling.
	Soil,sandy loam mixed with gravel,2nd rate.
	Scattering cedar and pinon.
	Good grass.
	At this cor.at noon,I set off 19°47'S.on the decl.arc, and observe the sun on the meridian. The resulting latitude is 35°16½'N.
	From the above ¼ sec.cor.the E.end of Hutchinson's dam, which is about 6 chs.long,E.& W.with water in reservoir, bears N.12°W.30 chs.

	N.0°1'W.bet.secs.22 & 23.
	Over rolling land,through scattering cedar and pinon.
25.00	Draw,3 chs.wide,course NE.
35.65	Draw,2 chs.wide,course NE.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 22 in W.,and S 23 in E.half;from which A cedar tree 8 ins.in dia.bears S.64¼°E.26 lks.dist., marked ¼ S 23 B T A cedar tree 8 ins.in dia.bears S.52½°W.93 lks.dist., marked ¼ S 22 B T
42.00	Ridge E.& W. and desc.
60.00	Draw,2 chs.wide,course NW.and asc.
75.00	Road NW.& SE.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.14,15,22 & 23,marked on brass cap T 22 N R 8 W in N.half; S.15 in NW., S.14 in NE., S 23 in SE.,and S 22 in NW.quadrants,from which A cedar tree 20 ins.in dia.bears N.1°E.142 lks.dist., marked T 22 N R 8 W S 14 B T A cedar tree 22 ins.in dia.bears S.64½°E.118 lks.dist., marked T 22 N R 8 W S 23 B T A cedar tree 24 ins.in dia.bears S.5°W.145 lks.dist., marked T 22 N R 8 W S 22 B T A cedar tree 18 ins.in dia.bears N.69°W.222 lks.dist., marked T 22 N R 8 W S 15 B T
	Land,rolling.
	Soil,sandy loam mixed with gravel,2nd rate.
	Cedar and pinon.
	Good grass.

Nov.21,1911.

Subdivision of T 22 N.R.8 W.

Chains	
	Nov.22,1911.
	At 8h.a.m.,l.m.t.,I set off 19°56½'S.on the decl.arc;35° 17½'N.on the lat.arc,and determine a meridian with the solar,at the cor.of secs.14,15,22 and 23 hereinbefore described.
	Thence I run
	N.89°58'E.on a random line bet.secs.14 & 23.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.& S.line 12 lks.N.of cor.of secs.13,14,23 & 24, hereinbefore described,
	Thence I run
	N.89°57'W.on a true line bet.secs.14 and 23
	Over rolling land,through dense cedar and pinon.
	Desc.from cor.
22.00	Enter valley;drains SW.,cedar and pinon becmes scattering.
38.30	Road,NE.& SW.
39.99	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 14 in N.,and S 23 in S.half, from which A cedar tree 14 ins.in dia.bears N.82¼°W.228 lks.dist., marked ¼ S 14 B T
	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	Leave valley,cedar becomes dense. An earthen dam,2 chs. long, E.& W. and 5 ft.high,bears N.225 lks.dist.
60.00	Top of ridge,NW.& SE.and desc.
79.98	Cor.of secs.14,15,22 and 23,hereinbefore described
	Land,hilly.
	Soil,ridges,limestone and malpais,3rd and 4th rate.Valley sandy loam mixed with gravel,dry,2nd rate.
	Cedar and pinon.
	Good grass.
	N.0°1'W.bet.secs.14 and 15.
	Asc.alongSW.slope of rocky ridge through dense cedar and pinon.
30.00	Top of ridge,N.from SE.and along nearly level top.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 15 in W.,and S 14 in E.half,from which A pinon tree 8 ins.in dia.bears N.49°E.99 lks.dist., marked ¼ S 14 B T
	A cedar tree 7 ins.in dia.bears N.16¾°W.59 lks.dist., marked ¼ S 15 B T
70.00	Desc.precipitously
72.00	Leave cedar and pinon,SE.& NW
74.00	Foot of ridge and enter draw,course SE.
79.50	Leave draw.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.10,11,14 & 15,marked on brass cap, T.22 N R 8 W in N.half; S 10 in NW.; S 11 in NE.; S 14 in SE.,and S 15 in SW.quadrants;
	raise a mound of stone 2 ft.base,1½ ft.high W.of cor.
	Land,mountainous.
	Soil,gravelly loam mixed with gravel,dry,3rd rate.
	Cedar and pinon.
	Good grass.
	At this cor.at noon I set off 20°0½'S.on the decl.arc. and observe the sun on the meridian. The resulting latitude is 35°18½'N.

Chains	
	S.89°57'E.on a random line bet.secs.11 & 14
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.& S.line 5 lks.S.of the cor.of secs.11,12,13 and 14,hereinbefore described
	Thence I run
	N.89°59'W.on a true line bet.secs.11 and 14
	Over rolling land,through scattering cedar.
0.50	Draw,8 chs.wide,course SE.
40.01	Set an iron post,3 ft.long,1 in.in dia.,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.and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.02	Cor.of secs.10,11,14 and 15.hereinbefore described
	Land,rolling.
	Soil,sandy loam mixed with gravel,dry,2nd rate.
	Scattering cedar and pinon.
	Good grass.
	Nov.22,1911.

	Nov.23,1911.
	At 8h.a.m.,l.m.t.,I set off 20°9'S.on the decl.arc;35°18½' N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.10,11,14 and 15.hereinbefore described
	Thence I run
	N.0°1'W.bet.secs.10 and 11
	Over high rolling land,gradually ascending.
20.00	Asc.steep S.slope and enter scattering cedar and pinon.
34.00	Top of slope and over nearly level land.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 10 in W.,and S 11 in E.half;from which A cedar tree 6 ins.in dia.bears N.72½°E.19 lks.dist., marked ¼ S 11 B T A cedar tree 6 ins.in dia.,bears S.36½°W.102 lks.dist., marked ¼ S 10 B T
48.00	Asc.steep S.slope.
54.00	Top of bench.
56.00	Asc.precipitously.
66.00	Asc.nearly vertical.
70.00	Top of mountain,about 1500 ft.above valley to the W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground for cor. of secs,2,3,10 & 11,marked on brass cap, T 22 N.R 8 W.in N.half; S 3 in NW., S 2 in NE., S 11 in SE.,and S 10 in SW.quadrants;from which A cedar tree 8 ins.in dia.bears N.69°E.104 lks.dist., marked T 22 N R 8 W S 2 B T A cedar tree 6 ins.in dia.bears S.40½°E.105 lks.dist., marked T 22 N R 8 W S 11 B t A pinon tree 7 ins.in dia.bears S,33½°W.57 lks.dist., marked T 22 N R 8 W S 10 B T A cedar tree 6 ins.in dia.bears N.45½°W.41 lks.dist., marked T 22 N R 8 W S 3 B T
	Land,mountainous.
	Soil,rocky,3rd rate.
	Cedar and pinon.
	Fair grass.

	S.89°59'E.on a random line bet.secs.2 & 11.
40.00	Set temp. ¼ sec.cor.
80.04	Intersect N.& S.line 5 lks.S.of the cor of secs.1,2,11 &12 hereinbefore described

Subdivision of T.22 N.,R.8 W.

Chains	
	Thence I run
	S.89°59'W.on a true line bet.secs.2 and 11.
	Asc.along precipitous S.slope of Mt.through scattering cedar
16.00	Asc.precipitously.
17.00	Top of ridge NE.& SW.and desc.
34.00	Bottom of deep canon,course SE.and asc.steep.
40.02	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 2 in N.,and S.11 in S.half; raise a mound of stone 2 ft.base,$1\frac{1}{2}$ ft.high N.of cor.
	At this cor.at noon,I set off 20°13½'S.on the decl.arc, and observe the sun on the meridian. The resulting latitude is 35°19'N.
75.00	Top of Mt.NNW.& SSE.
80.04	Cor.of secs.2,3,10 and 11.hereinbefore described
	Land,mountainous.
	Soil,very rocky,3rd rate.
	Cedar and pinon.
	Sparse grass.

	N.0°1'W.on a random line bet.secs.2 and 3.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect N.bdy.of Tp.2 lks.E.of the cor.of secs.2,3,34 and 35.recently established & described by me in Book 1
	Thence I run
	S.0°2'E.on a true line bet.secs.2 and 3.
	Over mountainous land,through dense cedar and pinon.
2.00	Gulch,10 lks.wide,course W.
28.00	Asc.over loose rocks and edge of cliffs.
40.10	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 3 in W.,and S 2 in E.half;from which A pinon tree 8 ins.in dia.bears S.5¼°E.12 lks.dist., marked $\frac{1}{4}$ S 2 B T A pinon tree 10 ins.in dia.bears S.45¼°W.37 lks.dist., marked $\frac{1}{4}$ S 3 B T
58.00	Top of and along rim rock on W.edge of Mt.
80.10	Cor.of secs.2,3,10 and 11.hereinbefore described
	Land,mountainous.
	Soil,very rocky,3rd rate.
	Cedar and pinon.
	Sparse grass.
	Nov.23,1911.

	Nov.24,1911.
	At 8h.a.m.,l.m.t.,I set off 20°22'S.on the decl.arc;35° 15'N.on the lat.arc,and determine a meridian with the solar at the cor of secs.3,4,33 and 34 on the S.bdy.of the Tp,recently established & described by me in Book 1 whence I run, N.0°2'W.bet.secs.33 and 34.
	Along E.slope of high Mt.through dense cedar and pinon.
38.00	Asc.steep rocky ridge.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 34 in E.,and S 33 in W.half;from which A cedar tree 9 ins.in dia.bears ~~N.48¾°E.66~~ N 26½° E.26 lks.dist., Marked $\frac{1}{4}$ S 34 B T A cedar tree 7 ins.in dia.bears ~~N.70¼°W.65~~ N 88° W.13 lks.dist., marked $\frac{1}{4}$ S 33 B T
42.00	Top of break and asc.gradually.
51.00	Top of ridge NNE.& SSW.and desc.gradually.
72.00	Desc.precipitously.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.27,28,33 and 34,marked on brass cap,

Subdivision of T.22 N.,R.8 W.

Chains	
	T 22 N R 8 W in N.half;
	S 28 in NW.,
	S 27 in NE.,
	S 34 in SE.,and
	S 33 in SW.quadrants;from which
	A pinon tree 8 ins.in dia.bears N.82°E.126 lks.dist.,
	marked T 22 N R 8 W S 27 B T
	A pinon tree 7 ins.in dia.bears S.72¾°E.199 lks.dist.,
	marked T 22 N R 8 W S 34 B T
	A cedar tree 18 ins.in dia.bears S.18½°W.56 lks.dist.,
	marked T 22 N R 8 W S 33 B T
	A pinon tree 8 ins.in dia.bears N.16½°W.06 lks.dist.,
	marked T 22 N R 8 W S 28 B T
	Land,mountainous.
	Soil,very gravelly and rocky,3rd rate.
	Cedar and pinon.
	Sparse grass.
	At this cor.at noon I set off 20°36'S.on the decl.arc, and observe the sun on the meridian.
	The resulting latitude is 35°15½'N.
	East on a random line bet.secs.27 & 34
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.& S.line 7 lks.S.of the cor.of secs.26,27,34 and 35 hereinbefore described
	Thence I run
	S.89°57'W.on a true line bet.secs.27 and 34.
	Over mountainous land through cedar and pinon.
19.00	Ridge,NE.& SW. and desc.
34.00	Draw,3 chs.wide,course NE.and asc.
39.99	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap,
	¼ S 27 in N.,and
	S 34 in S.half; from which
	A pinon tree 8 ins.in dia.bears N.30½°E.61 lks.dist.,
	marked ¼ S 27 B T
	A cedar tree 14 ins.in dia.bears S.31¾°W.25 lks.dist.,
	marked ¼ S 34 B T
65.00	Ridge,NNE.& SSW.and desc.steep,rocky W.slope.
79.98	Cor.of secs.27,28,33 & 34.hereinbefore described
	Land,mountainous.
	Soil,gravelly,rocky,3rd.rate.
	Cedar and pinon.
	Fair grass.
	Nov.24,1911.
	Nov.25,1911.
	At 8h.a.m.,l.m.t.,I set off 20°34'S.on the decl.arc; 35°15½'N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.27,28,33 & 34 hereinbefore described
	Thence I run
	N.0°2'W.bet.secs.27 and 28.
	Desc.steep SW.slope of ridge through heavy cedar and pinon
6.00	Wash,20 lks.wide,course W.heads 4 chs.E. Asc.
16.00	Ridge,E.& W.and desc.precipitous,rocky N.slope,into canon 250 ft.deep
30.50	Wash,20 lks.wide,course W.and asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground, for ¼ sec.cor.,marked on brass cap,
	¼ S 28 in W.,and
	S 27 in E.half;from which
	A pinon tree 8 ins.in dia.bears S.51¼°E.114 lks.dist.,
	marked ¼ S 27 B T
	A pinon tree 7 ins.in dia.bears N.63¾°W.81 lks.dist.,
	marked ¼ S 28 B T
44.00	Ridge,E.& W.and desc.

Subdivision of T.22 N.,R.8 W

Chains	
73.00	Wash,10 lks.wide,course W.and asc.
79.50	Ridge,E.& W.and desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.21,22,27 & 28,marked on brass cap T 22 N R 8 W in N.half; S 21 in NW., S 22 in NE., S 27 in SE.,and S 28 in SW.quadrants;from which A pinon tree 9 ins.in dia.bears N.32½°E.33 lks.dist., marked T 22 N R 8 W S 22 B T A pinon tree 7 ins.in dia.bears S.30°E.82 lks.dist., marked T 22 N R 8 W S 27 B T A cedar tree 7 ins.in dia.bears S.35¼°W.31 lks.dist., marked T 22 N R 8 W S 28 B T A cedar tree 8 ins.in dia.bears N.53°W.28 lks.dist., marked T 22 N R 8 W S 21 B T
	Land,mountainous,very rough with limestone ridges. Soil,gravelly,rocky,dry,3rd rate. Cedar and pinon. Sparse grass.

	N.89°57'E.on a random line bet.secs.22 & 27.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.& S.line 2 lks.N.of cor.of secs.22,23,26 & 27. hereinbefore described Thence I run S.89°58'W.on a true line bet.secs.22 & 27. Over rolling land,through cedar and pinon.
36.00	Draw,2 chs.wide,course NE.and asc.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for ¼ sec.cor.,marked on brass cap, ¼ S 22 in N.,and S 27 in S.half; from which A cedar tree 15 ins.in dia.bears N.10¾°E.60 lks.dist., marked ¼ S 22 B T A cedar tree 6 ins.in dia.bears S.26¼°E.35 lks.dist., marked ¼ S 27 B T At this cor.at noon I set off 20°38'S.on the decl.arc, and observe the sun on the meridian. The resulting lat.is 35°16½'N.
48.00	Ridge N.& S.and desc.
62.00	Draw,50 lks.wide,course SW.and asc.
72.00	Ridge NE.& WSW.and desc.
79.96	Cor.of secs.21,22,27 and 28. hereinbefore described Land,rolling,limestone ridges. Soil,gravelly,rocky,3rd rate. Cedar and pinon. Fair grass

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	N.0°22'W.bet.secs.21 and 22. Desc.rocky N.slope of ridge through heavy cedar and pinon.
18.00	Draw,3 chs.wide,course W.and asc.
36.50	Ridge E.& W.and desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 21 in W.,and S 22 in E.half;from which A cedar tree 7 ins.in dia.bears N.86¼°E.40 lks.dist., marked ¼ S 22 B T A pinon tree 7 ins.in dia.bears S.78½°W.35 lks.dist., marked ¼ S 21 B T
42.00	Wash,20 lks.wide,course NW.and asc.
48.50	Ridge E. & W.and desc.
50.00	Wash,10 lks.wide course W.and asc.
55.00	Ridge E.& W.and desc.
63.00	Wash,50 lks.wide,course W.and asc.
77.00	Ridge E.& W.and desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.15,16,21 & 22,marked on brass cap,

Chains	
	T 22 N R 8 W in N.half; S 16 in NW., S 15 in NE., S 22 in SE.,and S 21 in SW.quadrants;from which A cedar tree 8 ins.in dia.bears N.63¾°E.67 lks.dist., marked T 22 N R 8 W S 15 B T A pinon tree 7 ins.in dia.bears S.29°E.30 lks.dist., marked T 22 N R 8 W S 22 B T A pinon tree 20 ins.in dia.bears S.5¼°W.117 lks.dist., marked T 22 N R 8 W S 21 B T A pinon tree 12 ins.dia.bears N.32½°W.63 lks.dist., marked T 22 N R 8 W S 16 B T
	Land,mountainous.
	Soil,gravelly,rocky,dry,3rd rate.
	Cedar and pinon.
	Fair grass.
	Nov.25,1911.

	Nov.27,1911.
	At 8h.a.m.,l.m.t.,I set off 20°57'S.on the decl.arc; 35°17½'N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.15,16,21 and 22. Thence I run **hereinbefore described**
	N.89°58'E.on a random line bet.secs.15 &22
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.& S.line 5 lks.N.of the cor.of secs.14,15,22 and 23 **hereinbefore described**
	Thence I run
	West on a true line bet.secs.15 and 22.
	Descending through cedar and pinon.
8.30	Road,NW.& SE.and foot of ridge.
10.00	Asc.
26.00	Ridge,NE.& SW.and desc.
32.00	Enter valley,course NW.
39.99	SET an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 15 in N.,and S 22 in S.half;from which A cedar tree 9 ins.in dia.bears N.24¼°E.383 lks.dist., marked ¼ S 15 B T A cedar tree 8 ins.in dia.bears S.45¾°E.63 lks.dist., marked ¼ S 22 B T
41.00	Wash,30 lks.wide,course NW.
42.50	Leave valley and asc.
64.00	Ridge,NE.& SW.and desc.along steep rocky N.slope of ridge.
79.98	Cor.of secs.15,16,21 and 22 **hereinbefore described**
	Land,heavily rolling.
	Soil,gravelly,dry,2nd and 3rd rate.
	Cedar and pinon.
	Fair grass.

	N.0°2'W.bet.secs.15 and 16
	Desc.through scattering cedar and pinon.
5.30	Wash,15 lks.wide,course W.
5.70	Road,E.& W.and asc.
38.00	Malpais slide.
40.00	Set an iron post,3 ft.long,1 in.in dia.,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.base,1½ ft.high,W.of cor.
	At this cor.at noon I set off 21°1'S.on the decl.arc, and observe the sun on the meridian, The resulting latitude is 35°18'N.
47.00	Enter dense cedar,E.& W.
68.00	Top of Mt.NE.& SW.and desc.gradually.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.9,10,15 and 16,marked on brass cap,

Chains	
	T 22 N R 8 W in N.half; S 9 in NW., S 10 in NE., S 15 in SE.,and S 16 in SW.quadrants;from which A cedar tree 8 ins.in dia.bears N.31°E.48 lks.dist., marked T 22 N R 8 W S 10 B T A cedar tree 8 ins.in dia.bears S.44°E.73 lks.dist., marked T 22 N R 8 W S 15 B T A pinon tree 6 ins.in dia.bears S.29½°W.33 lks.dist., marked T 22 N R 8 W S 16 B T A cedar tree 6 ins.in dia.bears N.54½°W.19 lks.dist., marked T 22 N R 8 W S 9 B T Land,mountainous,malpais. Soil,gravelly,dry,3rd rate. Cedar and pinon. Sparse grass.
	East on a random line bet.secs 10 & 15.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.& S.line at the cor.of secs.10,11,14 & 15. hereinbefore described Thence I run West on a true line bet.secs.10 & 15.
	Over rolling land,through scattering cedar and pinon.
3.00	Draw,3 chs.wide,course SE.
20.00	Enter heavy cedar and pinon.
40.02	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 10 in N.,and S 15 in S.half;from which A cedar tre 9 ins.in dia.bears N.45¾°W.70 lks.dist., marked ¼ S 10 B T A cedar tree 9 ins.in dia.bears S.36½°E.71 lks.dist., marked ¼ S 15 B T
46.00	Draw,100 lks.wide,course SE.and asc.
74.00	Ridge,N.& S.and desc.
80.04	Cor.of secs.9,10,15 and 16. hereinbefore described Land,rolling. Soil,gravelly loam,mixed with rock,dry,3rd rate. Cedar and pinon. Fair grass
	Nov.27,1911.
	Nov.28,1911. At 8h.a.m.,l.m.t.,I set off 21°8 'S.on the decl.arc; 35°18½'N.on the lat.arc,and determine a meridian with the solar at the cor. of secs.9,10,15 & 16 hereinbefore described. Thence I run N.0°2'W.bet.secs.9 and 10. Desc.NW.slope of Mt.through heavy cedar and pinon.
35.20	Wash,20 lks.wide,course SW.and asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 9 [illegible] W.,and S 10 in E.half;from which A pinon tree 10 ins.in dia.bears S.6¼°E.19 lks.dist., marked ¼ S 10 B T A cedar tree 10 ins.in dia.bears N.82½°W.19 lks.dist., marked ¼ S 9 B T
42.00	Ridge,NE.& SW.and desc.gradually.
58.00	Rim rock,desc.precipitously.
69.55	Draw,2 chs.wide,course SW.and asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,9 & 10,marked on brass cap, T 22 N R 8 W in N.half; S 4 in NW., S 3 in NE., S 10 in SE.,and S 9 in SW.quadrants;from which

Subdivision of T.22 N.,R.8 W

Chains	
	A cedar tree 12 ins.in dia.bears N.85¾°E.18 lks.dist., marked T 22 N R 8 W S 3 B T
	A cedar tree 10 ins.in dia.bears S.31½°E.42 lks.dist., marked T 22 N R 8 W S 10 B T
	A pinon tree 8 ins.in dia.bears S.41°W.45 lks.dist., marked T 22 N R 8 W S C B T
	A cedar tree 6 ins.in dia.bears N.36½°W.37 lks.dist., marked T 22 N R 8 W S 4 B T
	Land,mountainous.
	Soil,gravelly,rocky,dry,3rd rate.
	Cedar and pinon.
	Sparse grass

	East on a random line bet.secs.3 & 10
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.& S.line 5 lks.N.of cor.of secs.2,3,10 & 11, hereinbefore described
	Thence I run
	N.89°58'W.on a true line bet.secs.3 and 10.
	Over mountainous land,descending thrdugh cedar and pinon.
2.00	Break,desc.precipitously.
25.00	Foot of break and desc gradually.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 3 in N.,and S 10 in S.half;from which
	A pinon tree 7 ins.in dia.bears N.0½°W.137 lks.dist., marked ¼ S 3 B T
	A cedar tree 6 ins.in dia.bears S.34¾°W.186 lks.dist., marked ¼ S 10 B T
	At this cor.at noon I set off 21°12'S.on the decl.arc, and observe the sun on the meridian.
	The resulting lat.is 35°19'N.
80.02	Cor.of secs.3,4,9 & 10 hereinbefore described.
	Land,mountainous,broken.
	Soil,gravelly,calcareous,3rd rate.
	Sparse grass.

	N.0°2'W.on a random line bet.secs.3 & 4.
40.00	Set temp.¼ sec.cor.
80.12	Intersect N.bdy.of Tp.19 lks.E.of cor.of secs.3,4,33& 34. recently established & described by me in Book A whence I run,
	S.0°10'E.on a true line bet.secs.3 and 4.
	Asc.NW.slope of ridge,through heavy cedar and pinon.
4.00	Ridge NE.& SW. and desc.
36.00	Wash,10 lks.wide,course SW.and asc.
40.12	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 4 in W.,and S 3 in E.half;from which
	A pinon tree 8 ins.in dia.bears S.55¼°E.38 lks.dist., marked ¼ S 3 B T
	A pinon tree 14 ins.in dia.bears N.48°W.35 lks.dist., marked ¼ S 4 B T
46.00	Ridge,NE.& SW.and desc.
80.12	Cor.of secs.3,4,9 & 10.hereinbefore described
	Land,mountainous,broken.
	Soil,gravelly,calcareous,3rd rate.
	Cedar and pinon.
	Sparse grass.
	Nov.28,1911

Subdivision of T.22 N.,R.8 W.

Chains	
	Nov.29,1911.
	At 8h.a.m.,l.m.,I set off 21°18½'S.on the decl.arc; 35°15'N.on the lat.arc,and determine a meridian with the solar,at the cor.of secs.4,5,32 & 33,on the S.bdy. of the Tp.,recently established & described by me,whence I run, in Book 1 N.0°3'W.bet.secs.32 and 33.
	Over undulating land.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the geound,for ¼ sec.cor.,marked on brass cap, ¼ S 32 in W.,and S 33 in E.half; dig pits18x18x12ins.,E.and W.of post,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,2ins.in diam.,24 ins.in the ground,for cor.of secs.28,29,32 & 33,marked on brass cap, T 22 N R 8 W in N.half; S.29 in NW., S 28 in NE., S 33 in SE.,and S 32 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,slightly rolling.
	Soil,gravelly loam,2nd rate.
	No timber.
	Good grass.

	East on a random line bet.secs.28 & 33.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.& S.line 5 lks.N.of cor.of secs.27,28,33 & 34
	Thence I ~~run~~ hereinbefore described N.89°58'W.on a true line bet.secs.28 and 33
	Over mountainous land,descending through dense cedar &pinon
24.00	Desc.precipitously.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼,S 28 in N.,and S 33 in S.half;from which A cedar tree ~~10~~ ins.in dia.bears N.~~88½°~~ 81¼° E.~~97~~ 105 lks.dist., marked ¼ S 28 B T A pinon tree 10 ins.in dia.bears S.~~26°~~ 10° W.~~34~~ 33 lks.dist., marked ¼ S 33 B T
56.00	Leave cedar and pinon,N.& S. enter valley.
80.02	Cor.of secs.28,29,32 and 33 hereinbefore described
	Land,34 chs.mountainous,broken;46 chs.slightly rolling.
	Soil,34 chs.,calcareous,3rd rate;46 chs.,gravelly loam, 2nd rate.
	Cedar and pinon.
	Good grass.
	At this cor.at noon I set off 21°22½'S.on the decl.arc, and observe the sun on the meridian. The resulting lat.is 35°15½'N.

	N.0°3'W.bet.secs.28 & 29.
	Over gently rolling land.
6.00	Enter scattering cedar.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 29 in W.,and S 28 in E.half;,no trees available. dig pits,18x18x12 ins.,E.& W.of post,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 dia.,24 ins.in the ground,for cor.of secs.20,21,28 & 29,marked on brass cap, T 22 N R 8 W in N.half; S 20 in NW., S 21 in NE., S 28 in SE.,and S 29 in SW.quadrants;

Subdivision of T.22 N.,R.8 W.

Chains

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,gravelly loam,dry,2nd rate..
No timber.6chs.Scat.timber 74chs.
Good grass.

S.89°58'E.on a random line bet.secs.21 & 28.
40.00 Set temp.¼ sec.cor.
80.04 Intersect N.& S.line 2 lks.S.of the cor.of secs.21,28,27 and 28 hereinbefore described
Thence I run
N.89°59'W.on a true line bet.secs.21 and 28.
Over mountainous land,descending through cedar and pinon.
20.00 Desc.abrubtly.
39.00 Foot of deseent,and over rolling land.
40.02 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap,
¼ S 21 in N.,and
S 28 in S.half;from which
A cedar tree 12 ins.in dia.bears N.34¼°E.20 lks.dist., marked ¼ S 21 B T.
A cedar tree 20 ins.in dia.bears S.64°E.39 lks.dist., marked ¼ S 28 B T
62.00 Leave cedar and pinon,NNE.& SSW.
80.04 Cor.of secs.20,21,28 & 29 hereinbefore described
Land,39 chs.,mountainous,broken.41 chs.slightly rolling.
Soil,39 chs.,gravelly,calcareous.41 chs.gravelly loam, 3rd rate
Cedar and pinon.
Fair grass.

Nov.29,1911.

Dec.1,1911.
At 8h.a.m.,l.m.t.,I set off 21°38½'S.on the decl.arc; 35°16½'N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.20,21,28 and 29. hereinbefore described
Thence I run
N.0°3'W.bet.secs.20 & 21.
Over slightly rolling land,through scattering cedar& pinon.
40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap,
¼ S 20 in W.,and
S 21 in E.half;from which
A pinon tree 14 ins.in dia.bears N.78¾°E.58 lks.dist., marked ¼ S 21 B T
A pinon tree 10 ins.in dia.bears N.41¼°W.98 lks.dist., marked ¼ S 20 B T
41.00 Leave cedar,NW.& SE.
43.40 Road,NE.& SW.
80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.16,17,20 & 21,marked on brass cap
T 22 N R 8 W in N.half;
S 17 in NW.,
S 16 in NE.,
S 21 in SE.,and
S 20 in SW.quadrant;
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,sandy loam mixed with gravel,2nd rate.
Cedar and pinon.
Good grass.

S.89°59'E.on a random line bet.secs.16 & 21.
40.00 Set temp.¼ sec.cor.
80.00 Intersect N.& S.line 5 lks.S.of cor.of secs.15,16,21 & 22 hereinbefore described

Chains	
	Thence I run
	S.89°59'W.on a true line bet.secs.16 and 21.
	Desc.rocky N.slope,through cedar and pinon.
12.60	Foot of hill,N.& S.
19.35	S.end of 5 ft.dam.course N.4 chs. Indications of iron and other minerals.
20.00	Leave cedar and pinon,NE.& SW.
28.15	Road,ENE.& WSW.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 16 in N.,and S 21 in S.half; dig pits 18x18x12 ins.,E.& W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
78.30	Road,ESE.& WNW.
80.00	Cor.of secs.16,17,20 & 21.hereinbefore described
	Land,rolling
	Soil,sandy loam mixed with gravel,2nd rate.
	At this cor.at noon I set off 21°42½'S.on the decl.arc, and observe the sun on the meridian.
	The resulting lat.is35°17½'N.

	N.0°3'W,bet.secs.16 & 17.
	Over slightly rolling land.
0.15	Road,E.& W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,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.,E.& W.of post,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 dia.,24 ins.in the ground,for cor.of secs.8,9,16 & 17,marked on brass cap, T 22 N R 8 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,sandy loam mixed with gravel,2nd rate.
	No timber..
	Good grass.

	N.89°59'E,on a random line bet.secs.9.& 16.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.& S.line 9 lks.N.of cor.of secs.9,10,15 & 16 hereinbefore described
	Thence I run
	N.89°57'W.on a true line bet.secs.9 & 16.
	Desc.gradual NW.slope,through scattering cedar and pinon.
20.00	Desc.abruptly.
28.00	Foot of descent,N.& S.and over slightly rolling land.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 9 in N.,and S 16 in S.half; raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
79.96	Cor.of secs.8,9,16 & 17 hereinbefore described
	Land,mountainous,rocky,28 chs.,rolling 52 chs.
	Soil,gravelly,3rd rate,28 chs.,sandy loam,2nd rate 52 chs.
	Scattering cedar and pinon.
	Good grass.

Dec.1,1911.

Subdivision of T.22 N.,R.8 W.

Chains	
	Dec.2,1911.
	At 8h.a.m.,l.m.t.,I set off 21°43'S.on the decl.arc; 35°18½'N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.8,9,16 & 17 hereinbefore described
	Thence I run
	N.0°3'W.bet.secs.8 & 9.
	Over rolling land.
23.00	Wash,30 lks,wide,course WSW.
38.00	Enter cedar and pinon,and asc.steep.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 8 in W.,and S 9 in E.half;from which A pinon tree 6 ins.in dia,bears S.76½°E.21 lks.dist., marked ¼ S 9 B T A pinon tree 10 ins.in dia.bears N.89°W.88 lks.dist., marked ¼ S 8 B T
61.00	Ridge,E.& W.,and desc.steep rocky slope.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.4,5,8,& 9,marked on brass cap, T 22 N R 8 W in N.half; S 5 in NW., S 4 in NE., S 9 in SE.,and S 8 in SW.quadrants;from which A cedar tree 16 ins.in dia.bears N.34¼°E.103 lks.dist., marked T 22 N R 8 W S 4 B T A cedar tree 12 ins.in dia.bears S.41°E.114 lks.dist., marked T 22 N R 8 W S 9 B T A cedar tree 14 ins.in dia.bears.S.62½°W.117 lks.dist., marked T 22 N R 8 W S 8 B T A cedar tree 10 ins.in dia.bears N.12½°W.112 lks.dist., marked T 22 N R 8 W S 5 B T
	Land,heavily rolling.
	Soil,sandy loam mixed with gravel and rock,2nd rate.
	Cedar and pinon.
	Good grass.

	S.89°57'E, on a random line bet.secs.4 & 9.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.& S line 5 lks.S.of cor.of secs.3,4,9 & 10. hereinbefore described
	Thence I run
	N.89°59'W.on a true line bet.secs.4 & 9.
	Desc.steep W.slope,through cedar and pinon.
39.00	Foot of descent,N.& S.
39.99	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 4 in N.,and S 9 in S.half;from which A cedar tree 10 ins.in dia.bears N.40¾°E.56 lks.dist., marked ¼ S 4 B T A pinon tree 8 ins.in dia.bears S.5°W.45 lks.dist., marked ¼ S 9 B T
	At this cor.at noon I set off 21°52'S.on the decl.arc, and observe the sun on the meridian. The resulting lat.is 35°19'N.
58.00	Leave cedar and pinon,NW.& SE.
74.00	Wash,10 lks.wide,course NW.
75.00	Enter cedar and pinon,and asc.along N.slope of ridge.
79.98	Cor.of secs.4,5,8 & 9, hereinbefore described
	Land,heavily rolling.
	Soil,gravelly loam,mixed with rock,dry,3rd rate.
	Cedar and pinon.
	Fair grass.

Subdivision of T.22 N.,R.8 W.

Chains	
	N.0°3'W.on a random line bet.secs.4 & 5.
40.00	Set temp.¼ Sec.cor.
79.92	Intersect the N.bdy.of the Tp.9 lks.E.of the cor.of secs. 4,5,32 and 33,recently established & described by me in Book 1,
	Thence I run
	S.0°7'E.on a true line bet.secs.4 & 5.
	Over rolling land,through scattering cedar and pinon.
39.92	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼S 5 in W.,and S 4 in E.half;from which A pinon tree 10 ins.in dia.bears N.74°E.52 lks.dist., marked ¼ S 4 B T A cedar tree 8 ins.in dia.bears N.89¼°W.40 lks.dist., marked ¼ S 5 B T
71.90	Wash 10 lks.wide,course SW.,and asc.steep rocky limestone ridge.
79.92	Cor.of secs.4,5,8 & 9 hereinbefore described
	Land,rolling.
	Soil,sandy loam mixed with gravel and rock,2nd and 3rd rate.
	Cedar and pinon.
	Good grass.
	Dec.2,1911.

	Dec.4,1911
	At 8h.a.m.,l.m.t.,I set off 22°5½'S.on the decl.arc. \35°15'N.on the lat.arc,and determine a meridian with the solar at the cor.of secs.5,6,31 and 32,on the S.bdy. of the Tp.,recently established & described by me, whence I run, in Book 1,
	N.0°3'W.on a true line bet.secs.31 & 32.
	Over rolling land,through dense cedar and pinon.
39.00	Cedar and pinon becomes scattering.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the groun,for ¼ sec.cor.,marked on brass cap, ¼S 31 in W.,and S 32 in E.half;from which A cedar tree 7 ins.in dia.bears N.77½°E.135 lks.dist., marked ¼ S 32 B T A pinon tree 13 ins.in dia.bears N.89¼°W.151 lks.dist., marked ¼ S 31 B T
61.00	Leave cedar and pinon,E.& W.
80.00	Set an iron post,3 ft.long,2ins.in dia.,24 ins in the ground,for cor.of secs. 29,30,31 & 32,marked on brass cap, T 22 N R 8 W in N.half; S 30 in NW., S 29 in NE., S 32 in SE.,and S 31 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,sandy loam,2nd rate.
	Cedar and pinon.
	Good grass.

	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 of hereinbefore described
	Thence I run
	West on a true line bet.secs.29 & 32.
	Over slightly rolling land,through sparse cedar.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 29 in N.,and S.32 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.

Subdivision of T. 22 N., R. 8 W.

Chains	
71.00	Leave cedar.
80.00	Cor. of secs. 29, 30, 31 & 32. hereinbefore described
	Land, rolling.
	Soil, sandy loam, dry, 2nd rate.
	Scattering cedar and pinon.
	Good grass.

	West on a random line bet. secs. 30 & 31.
40.00	Set temp. ¼ sec. cor.
79.44	Intersect 2nd G.M.W., 5 lks. S. of cor. of secs. 25, 30, 31 & 36, which is an iron post, [illegible], 3 ins. in dia., 12 ins. above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	S. 89°58' E. on a true line bet. secs. 30 and 31.
	Over slightly undulating land.
39.44	Set an iron post, 3 ft. long, 1 in. in dia., 26 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.
79.44	Cor. of secs. 29, 30, 31 & 32 hereinbefore described
	Land, slightly undulating.
	Soil, sandy loam, 2nd rate.
	No timber.
	Good grass.
	At this cor. at noon I set off 22°9½' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. 35°15½' N.

	N. 0°3' W. bet. secs. 29 and 30.
	Over slightly rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 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.
71.30	Road, NE. & SW.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap, T 22 N R 8 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, rolling.
	Soil, sandy loam, 2nd rate.
	No timber.
	Good grass.

	East on a random line bet. secs. 30 and 29.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. & S. line 2 lks. N. of the cor. of secs. 20, 21, 28 and 29. hereinbefore described
	Thence I run
	N. 89°59' W. on a true line bet. secs. 20 and 29
	Over slightly rolling land.
39.99	Set an iron post, 3 ft. long, 1 in. in dia., 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 post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high N. of cor.

Subdivision of T.22 N.,R.8 W.

Chains	
66.65	Road,NE.& SW.
79.98	Cor.of secs.19,20,29,and 30.hereinbefore described
	Land,rolling.
	Soil,sandy loam,2nd rate.
	No timber.
	Good grass.
	N.89°58'W,on a random line bet.secs.19 and 30.
40.00	Set.temp.¼ sec.cor.
79.40	Intersect 2nd G.M. W.at the cor.of secs,19,24,25 and 30.
	Which is an iron post 3 ins. in diam.,1 ft.above ground,with brass cap marked S.
	S.89°58'E.on a true line bet.secs.19 and 30. witnessed as described by the Surveyor General, whence I run,
	Over slightly undulating land.
39.40	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 19 in N.,and S 30 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.
79.40	Cor.of secs.19,20,29 and 30.hereinbefore described
	Land,undulating.
	Soil,sandy loam,2nd rate.
	No timber.
	Good grass.

Dec.4,1911.

Dec.5,1911.

At 8h.a.m.,l.m.t.,I set off 22°13½'S.on the decl.arc; 35°16½'N.on the lat.arc,and determine a meridian with the solar,at the cor.of secs.19,20,29 and 30 hereinbefore described

Thence I run

N.0°3'W.bet.secs.19 and 20.

Over slightly undulating land.

40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼S 19 in W.,and S 20 in E.half; dig pits,18x18x12 ins.,N.& S.of post,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 dia.,24 ins.in the ground,for cor.of secs.17,18,19 and 20,marked on brass cap, T 22 N R 8 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,undulating.
	Soil,sandy loam,2nd rate.
	No timber.
	Good grass.
	S.89°59'E,on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.& S.line,2 lks.S.of the cor.of secs.16,17,20 and 21.hereinbefore described
	Thence I run
	West on a true line bet.secs.17 and 20.
	Over slightly undulating land.
40.00	Set an iron post,3 ft.long,1 in.in dia.,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 post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.00	Cor.of secs.17,18,19 and 20.hereinbefore described
	Land,undulating. Soil,sandy loam,2nd rate. Good grass. No Timber.

Chains	
	N.89°58'W.on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
79.30	Intersect 2nd G.N. W.,3 lks.S.of the cor.of secs.13,18,19 and 24,which is an iron post,3ins.in dia.,12 ins.above ground,marked and witnessed as described by the surveyor general.
	Thence I run
	S.89°57'E.on a true line bet.secs.18 and 19
	Over undulating land.
39.30	Set an iron post,3 ft.long,1 in.in dia.,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 post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
79.30	Cor.of secs.17,18,19 and 20.hereinbefore described
	Land,undulating.
	Soil,sandy loam,2nd rate.
	No timber.
	Good grass.
	At this cor.at noon,I set off 22°17½'S.on the decl.arc, and observe the sun on the meridian.
	The resulting lat.is 35°17½'N.

	N.0°3'W.bet.secs.17 and 18
	Over slightly undulating land.
5.85	Road,E.& W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,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 post,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 dia.,24 ins.in the ground,for cor.of secs.7,8,17 & 18,marked on brass cap, T 32 N.,R.8 W.in N.half; S 7 in NW., S 8 in NE., S 17 in SE.,and S 18 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,slightly undulating.
	Soil,sandy loam,2nd rate.
	No timber.
	Good grass.

	East on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.& S.line ,5 lks.S.of cor.of secs.8,9,16 & 17 hereinbefore described
	Thence I run
	S.89°58'W.on a true line,bet.secs.8 and 17.
	Over rolling land.
38.00	Enter scattering cedar.
40.03	Set an iron post,3 ft.long,1 in.in dia.,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 post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
43.00	Leave cedar.
80.06	Cor.of secs.7,8,17 and 18.hereinbefore described
	Land,rolling.
	Soil,sandy loam,2nd rate.
	Scattering cedar.
	Good grass.

Dec.5,1911

Subdivision of T.22 N.,R.8 W.

Chains	
	Dec.6,1911.
	At 8h.a.m.,l.m.t.,I set off 22°21½'E.on the decl.arc; 35°18½'N.on the lat.arc,and determine a meridian with the solar,at the cor.of secs.7,8,17 and18,hereinbefore described
	Thence I run
	N.89°57'W.on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
79.20	Intersect the 2nd G.M. W.,2 lks.N.of the cor.of secs.7,13 13 and 18,which is an iron post,3 ins.in dia.,12 ins.above above ground,marked and witnessed as described by the surveyor general.
	Thence I run
	S,89°58'E.on a true line bet.secs.7 and 18.
	Over slightly undulating land.
39.20	Set an iron post,3 ft.long,1 in.in dia.,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 post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
79.20	Cor.of secs.7,8,17 and 18,hereinbefore described
	Land,slightly undulating.
	Soil,sandy loam,2nd rate.
	No timber.
	Good grass.

	N.0°3'W.bet.secs.7 and 8.
	Over rolling land.
36.00	Enter scattering cedar.
40.00	Set an iron post,3 ft.long,1 in. in dia.,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 post,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 dia.,24 ins.in the ground,for cor.of secs.5,6,7 and 8,marked on brass cap, T 22 N R 8 W in N.half; S 6 in NW., S 5 in NE., S 8 in SE.,and S 7 in SW.quadrants;from which A cedar tree 8 ins.in dia.bears N.35¼°E.180 lks.dist., marked T 22 N R 8 W S 5 B T A cedar tree 8 ins.in dia.bears N.7¾°W.105 lks.dist., marked T 22 N R 8 W S 6 B T 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,sandy loam,2nd rate. Cedar and pinon. Good grass.

	N.89°58'E.on a random line bet.secs.5 and 8
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.& S.line 9 lks.N.of the cor.of secs.4,5,8 & 9.
	Thence I run hereinbefore described
	N.89°58'W.on a true line bet.secs.5 and 8
	Over rolling land,through cedar and pinon.
19.00	Wash,10 lks.wide,course,SW.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 5 in N.,and S 8 in S.half,from which A pinon tree 8 ins.in dia.bears N.39°E.131 lks.dist.; marked ¼ S 5 B T A cedar tree 8 ins.in dia.bears S.11¾°E.76 lks.dist., marked ¼ S 8 B T
80.00	Cor.of secs.5,6,7 and 8.hereinbefore described
	Land,rolling.
	Soil,sandy loam,2nd rate.
	Scattering cedar and pinon. Good grass. At this cor.at noon clouds obscure the sun.

Subdivision of T.22 N.,R.8 W.

Chains	
	N.89°58'W.on a random line bet.secs.6 and 7
40.00	Set temp.¼ sec.cor.
79.15	Intersect the 2nd G.M. W.,12 lks.N.of the cor.of secs.1,6, 7 and 12,which is an iron post,3 ins.in dia.,12 ins. above ground,marked and witnessed as described by the surveyor general.
	Thence I run
	N.89°57'E.on a true line bet.secs.6 and 7.
	Over rolling land,through scattering cedar.
39.15	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 6 in N.,and S ¼ in S.half; dig pits,18x18x12 ins.,E.& W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
79.15	Cor.of secs.5,6,7 and 8.hereinbefore described
	Land,rolling.
	Soil,sandy loam mixed with gravel,2nd rate.
	Scattering cedar.
	Good grass.

	N.0°3'W.on a random line bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
79.88	Intersect N.bdy.of Tp.2 lks.E.of the cor.of secs.5,6,31 and 32.recently estab.by me & described in Book 1,
	Thence I run
	S.0°4'E.on a true line bet.secs.5 and 6.
	Over rolling land,through scattering cedar.
39.88	Set an iron post,3 ft.long,1 in.india.,26 ins.in the ground,for ¼ sec.cor.,marked on brass cap, ¼ S 6 in W.,and S 5 in E.half;from which A cedar tree 14 ins.in dia.bears S.24°E.194 lks.dist., marked ¼ S 5 B T A cedar tree 15 ins.in dia.bears S.0¾°W.318 lks.dist., marked ¼ S 6 B T
79.88	Cor.of secs.5,6,7 and 8.hereinbefore described
	Land,rolling.
	Soil,sandy loam,2nd rate.
	Scattering cedar.
	Good grass.

Dec.6,1911.

General Description.

T.22 N.,R.8 W.lies partly in and to the E.of what is locally know as 74 Plains.Table Mt.in the N.central part rises about 1500 ft.above the plain. The Mts.and foot-hills are covered with a growth of cedar and pinon of rather small size,not suitable for lumber.There are several earthen dams in the Tp.behind which the storm water is stored for cattle and sheep;but at the time of survey there was very little water in the Tp.No wells with water and no farming. Indications of iron and other minerals along the foot-hills. Good grass over most of the Tp.

William N. Elliott

U.S.Surveyor.

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BOOK 2439

Subdivisions Group 15

CERTIFICATE OF ASSISTANTS.

(applying also to Books "I", "M" and "Q")

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, William H. Elliott, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of the Subdivisional lines of Tps. 22, 23, 24 & 25 N., Range 8 W. as surveyed by him under Group No. 15, Arizona.

of the Gila & Salt River Base & Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed 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 executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
Burton	Nov. 1, 1911.	Jan. 21, 1912.	Chainman.
Eric Flanagan	Nov. 1, 1911.	Jan. 21, 1912.	Chainman.
Oliver J. Hoffinger	Nov. 1, 1911.	Jan. 21, 1912.	Moundman.
W. F. Rychener	Nov. 1, 1911.	Dec. 30, 1912.	Axeman.
Harry Marshall	Nov. 1, 1911.	Jan. 21, 1912.	Flagman?
B. L. Bates	Nov. 1, 1911.	Jan. 21, 1912.	Moundman.
Henry Fischer	Jan. 7, 1912	Jan. 12, 1912.	Chainman.

Subscribed and certified to before me on the dates of the final service as shown above.

William H. Elliott

U. S. Surveyor.

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BOOK 2439

Subdivisions Group 15

FINAL OATH OF UNITED STATES SURVEYOR.

(same applies to Books "I", "M" and "Q")

I, William N. Elliott, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 28th day of August, 191/, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of Tps. ~~22, 23~~, 2A & 2S N., R. 8 W.

Group 15

of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed 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 U. S. 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 N. Elliott
U. S. Surveyor.

Subscribed by said William N. Elliott, and sworn to before me this 15th day of October, 1912

Frank D. Ingalls
SURVEYOR-GENERAL OF ARIZONA

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, April 21, 1913

The foregoing field notes of the survey of the subdivision lines of Township 22 North, Range 8 West Gila & Salt River Base & Meridian Arizona

executed by William H. Elliott, U.S. Surveyor for Group 15 under his special instructions, dated August 28, 191/, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank D. Ingalls
U. S. 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.

_____
U. S. Surveyor General.

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BOOK 2439

CERTIFICATE OF ASSISTANTS.

(SAME APPLIES TO BOOK "I-Group 15)
AND TO BOOK "O" of Group 24

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, acstanton J, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in ~~surveying~~ correcting all those parts or portions of the survey of the Subdivision lines and South Boundary of Tp. 22 N.-R. 8 W. of the Gila and Salt River Base and Meridian in the State of Arizona, originally surveyed by William H. Elliott, U. S. Surveyor, under instructions for Group 15, Arizona.

~~of the G & S R Meridian, in the State of~~ Arizona and Book "I" of Group 15 and Book "O" of Group 24 which are represented in the foregoing field notes, as having been ~~executed~~ corrected by him, and under his direction; and that ~~said survey~~ this corrective survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
A. M. Liver	August 6, 1914	August 9, 1914	Chainman
F. L. Ayers	August 6, 1914	August 9, 1914	Chainman
W. J. Faderman	August 6, 1914	August 9, 1914	Flagman
B. E. Gilstrap	August 6, 1914	August 9, 1914	Axeman and Cookman

Subscribed and certified to before me on the dates of the final service as shown above.

acstanton J
U. S. Surveyor.

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FINAL OATH OF UNITED STATES SURVEYOR.

(SAME APPLIES TO BOOK #1 of Group 15)
AND TO Book "O" of Group 24

BOOK 2439

I, A. C. Horton, Jr., U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 11th day of February, 1914, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ CORRECTED all those parts or portions of the survey of the subdivision lines and South boundary of Township N° 22 North, Range N° 8 West

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and notes in Book #1 of Group 15 and Book "O" of Group 24 by ~~corrections~~ executed by me, and under my direction; and I do further solemnly swear that all the corners of ~~said survey~~ this CORRECTIVE SURVEY have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, ~~and the special~~ written instructions of the U. S. Surveyor General for Arizona and ~~in the specific manner described in the field notes, and that the foregoing are~~ all necessary changes in the original field notes are indicated in red ink in this book and Book #1 of Group 15 and Book "O" of Group 24.

A. C. Horton, Jr.
U. S. Surveyor.

Subscribed by said A. C. Horton, Jr., and sworn to before me this 20th day of August, 1914.

Frank A. Ingalls
SURVEYOR-GENERAL OF ARIZONA

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, OCT 5, 1914

The foregoing ~~Field~~ CORRECTIONS IN THE ACCEPTED notes of the survey of the subdivision lines of Township N° 22 North, Range N° 8 West, of the Gila and Salt River Base and Meridian, Arizona, as indicated by red ink letters and figures therein

executed by A. C. Horton, Jr., U. S. Surveyor
under ~~his~~ special instructions dated February 11 - 1914, ~~101~~, having been critically examined, and the necessary corrections and explanations made, the said CORRECTIONS TO THE field notes, and the CORRECTIVE surveys they describe, are hereby approved.

U. S. Surveyor General.
of Arizona.

~~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.~~

~~U. S. Surveyor General.~~

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