

John L. Harris Deputy Surveyor.
T. *20 North* R. *5 East*
Sala Salt River Meridian.

No-341

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *20 North* Range *5 East*
Sala Salt River Meridian.

BY

John L. Harris Deputy Surveyor.

under his Contract of *July 29* 18*78*.

Survey Commenced *October 2, 1878*

Survey Completed *October 7, 1878*

No-341

Platted:

Copied for Washington,

Copied for Register,

J.L.H. G.B.

341

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1	2 $\frac{1}{8}$	21	49	41	95 $\frac{2}{8}$
2	4 $\frac{2}{8}$	22	51 $\frac{1}{8}$	42	98
3	7	23	53 $\frac{2}{8}$	43	100 $\frac{3}{8}$
4	9 $\frac{3}{8}$	24	56	44	102 $\frac{4}{8}$
5	11 $\frac{4}{8}$	25	58 $\frac{1}{8}$	45	105
6	14	26	60 $\frac{2}{8}$	46	107 $\frac{3}{8}$
7	16 $\frac{1}{8}$	27	63	47	109 $\frac{4}{8}$
8	18 $\frac{2}{8}$	28	65 $\frac{1}{8}$	48	112
9	21	29	67 $\frac{2}{8}$	49	114 $\frac{3}{8}$
10	23 $\frac{3}{8}$	30	70	50	116 $\frac{4}{8}$
11	25 $\frac{4}{8}$	31	72 $\frac{1}{8}$	51	119
12	28	32	74 $\frac{2}{8}$	52	121 $\frac{3}{8}$
13	30 $\frac{1}{8}$	33	77	53	123 $\frac{4}{8}$
14	32 $\frac{2}{8}$	34	79 $\frac{1}{8}$	54	126
15	35	35	81 $\frac{2}{8}$	55	128 $\frac{3}{8}$
16	37 $\frac{3}{8}$	36	84	56	130 $\frac{4}{8}$
17	39 $\frac{4}{8}$	37	86 $\frac{1}{8}$	57	133
18	42	38	88 $\frac{2}{8}$	58	135 $\frac{3}{8}$
19	44 $\frac{1}{8}$	39	91	59	137 $\frac{4}{8}$
20	46 $\frac{2}{8}$	40	93 $\frac{1}{8}$	60	140

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Table for Running on Slopes.

In the following table the first column shows the angle, the second, the number of links to be added to a chain on the slopes, to make one chain. horizontal measurement.

Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

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W. H. Harris Deputy Surveyor.

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FIELD NOTES

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Survey Completed *October 7* 1878



Platted,
Copied for Washington,
Copied for Register,

IA Township 20 North Range 5 East
Gila and Salt River Meridian,
BOOK 341

6	60	5	44	4	33	3	22	2	11	1
59		58		43		32		21		10
7	57	8	42	9	31	10	20	11	9	12
56		55		41		30		19		8
18	54	17	40	16	29	15	18	14	7	13
53		52		39		28		17		6
19	51	20	38	21	27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	26	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

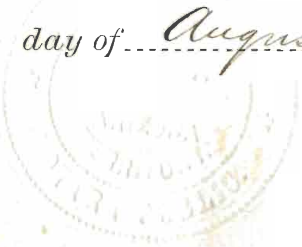
OK.

Preliminary Oaths of Assistants.

We, Richard Shreve
 and N. Van Alstine
 do solemnly swear that we will faithfully execute
 the duties of Chain Carriers; that we will level the
 chain upon uneven ground, and plumb the tally
 pins, whether by sticking or dropping the same;
 that we will report the true distance to all notable
 objects, and the true length of all lines that we as-
 sist in measuring, to the best of our skill and
 ability.

Richard Shreve
N. Van Alstine

Sworn to and subscribed before me, this 14th
 day of August, 1878.



John R. Favell,
 Notary Public.

We, Wm. Amos Kolb, Hagman, E. W. Suastegui
& Frank Carpenter, Armer, G. D. B. Dodson, Pitman,

do solemnly swear that we will well and truly perform the duties of Hagman, Armer and
Pitman, respectively

according to instructions given us, and to the best of our skill and ability.

Wm. Amos ^{his} Kolb
E. W. Suastegui
Frank Carpenter
G. D. B. Dodson

Sworn to and subscribed before me this 17th
day of August, 1878.

John R. Farrell,
Notary Public



Chains From the corner to Sections 35, 36, 1 and 2 on the South boundary I run.
 North, between Sections 35 and 36.

Variation $15^{\circ} 46'$ East.

As per E. Boundary.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flat-
 tened 3 in. wide, 1 ft in the ground,
 driven charred stake and build mound
 of earth 2 ft high, with pits 1 ft deep,
 $\frac{1}{2}$ ft long, 1 ft wide, as per instructions
 for $\frac{1}{4}$ sec. cor. from which

A Pine, 23 in. dia. br., S. 65° E. 103 lvs. dist.
 do. 24 " " " N. 45° W. 113 "

80.00 Set a post, marked and notched,
 $\frac{1}{4}$ ft long, 3 in. sq'd., 1 ft in the ground,
 and build mound of stones 2 ft high,
 as per instructions for cor. to Secs.
 25, 26, 35 and 36, from which

A Pine, 24 in. dia. br., S. 45° W. 26 lvs. dist.
 do. 20 " " " N. 46° E. 89 " "
 do. 18 " " " N. 44° W. 80 " "
 do. 12 " " " S. 46° E. 40 " "

Land rolling, Soil stony & poor.
 Grass. Heavy Pine timber.

October 2, 1878.

Township 20 North Range 5 East

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 25 and 36.

Variation 15°46' East.

40.00 Set temporary 7/4 sec. cor.
 80.12 Intersect E. boundary 16 hrs. S. of
 cor. to secs. 25 and 36. from which
 cor. same
 S. 89° 53' W.

On true line between secs. 25 & 36.
 var. 15°46' E.

40.06 Set a post marked 7/4 S. 4 ft long,
 flattened 3 in wide, 1 ft in the
 ground. Drive charred stake and
 build mound of earth 2 ft high, with
 pits 1 ft deep, 2 ft long, 1 ft wide, as
 per instructions for 7/4 sec. cor.
 from which

A Pine, 24 in dia. bs. N. 27° E. 84 low. dia
 do. 31 " " " S. 85° W. 57 "

80.12 Cor. to secs. 25, 26, 35 and 36.

Land level. Soil good.

Grass. Heavy Pine timber.

Township 20 North Range 5 East

Gila and Salt River Meridian.

Chains North, between Sections 25 and 26.

Variation 15°46' East.

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in wide, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep. 2 ft long, 1 ft wide, as per instructions for 14 sec. cor. from which

A Pine, 15 in. dia. br., S. 45° W. 52 br. dist
do. 38 " " " N. 5° E. 25 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in. sq. d., 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep. 2 ft long, 1 ft wide, as per instructions for cor. to secs. 23, 24, 25 and 26, from which

A Pine, 42 in. dia. br., N. 35° E. 35 br. dist
do. 29 " " " N. 55° W. 53 " "
do. 25 " " " S. 43 1/2° W. 55 " "
do. 26 " " " S. 37° E. 94 " "

Land level. Soil good.
Grass. Heavy Pine timber.

Township

20 North Range 5 East

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 24 and 25.

Variation 15°46' East.

- 40.00 Set temporary cor.
- 80.30 Intersect E. boundary 36 lvs. N. of cor. to sees. 24 and 25. from which cor. I am N. 89° 45' W.
On true line between sees. 24 & 25 var. 15° 46' E.
- 40.15 Set a post, marked 74 S. 14 ft long, flattened 3 in wide, 1 ft in the ground, drive charred stake and build a mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 74 sec. cor. from which
A Pine, 10 in. dia. lvs. N. 74° W. 33 lvs. due No. 40 " " S. 40° E. 40 " "
- 80.30 Cor. to sees. 24, 25 and 26.

Land level. Soil good.
Grass. Many Pine timber.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains North, between Sections 23 and 24.

Variation 15° 46' East.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft. long, flattened 3 in wide, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for $\frac{1}{4}$ sec. cor. from which
A Pine, 32 in. dia. br. S. 88° E. 39 lbs. dist.
do. 42 " " " S. 80° W. 100 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in sq. d., 1 ft in the ground, drive charred stake and build mound of earth 2 ft high with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to sec. 13, 14, 23 and 24, from which
A Pine, 32 in. dia. br. S. 46° W. 28 lbs. dist.
do. 30 " " " S. 20° E. 81 " "
do. 29 " " " N. 75° W. 114 " "
do. 28 " " " N. 54° E. 115 " "

Land mostly level S. Some broken N
Soil Good and poor. Grass.
Heavy Pine timber.

BOOK 341
Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains

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

Variation $15^{\circ}46'$ East.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.25 Intersect E. boundary 52 chs. N.
after to secs. 13 and 24, from which
cor. Issue
 $N. 89^{\circ}38' W.$

On true line between secs. 13 & 24.
var. $15^{\circ}46'$ East

40.12 Set apart, marked $\frac{1}{4}$ S. 4 ft long, flat-
tened 3 in wide, 1 ft in the ground,
drive charred stake and build mound
afar with 2 ft high, with pits 1 ft deep, 2 ft
long, 1 ft wide, as per instructions for $\frac{1}{4}$
sec. cor. from which

A Pine, 46 in. dia. to S. $10^{\circ} E$, 122 chs. dia.
do. 39 " " " North 174 "

80.25 Cor. to secs. 13, 14, 23 and 24.

Land barren N. Level $\frac{2}{3}$ good E.
Grass. A very Pine timber.

Chains

North, between Sections 13 and 14.

Variation

15° 46'

East.

- 40.00 Set a post, marked 4 S. 4 ft long, flattened 3
in wide, 1 ft in the ground, drove charred
stake and build mound of earth 2 ft high
with pits 1 ft deep, 2 ft long, 1 ft wide, as per
instructions, for 4 sec. cor. from which
A Pine, 38 in. dia. br. S. 18° W. 41 lvs. ditc
do. 26 " " " N. 9° W. 43 " "
- 65.00 Pass over W. slope of high round hill.
- 80.00 Set a post, marked and notched, 4 ft
long, 3 in. sq. d. 1 ft in the ground, drove
charred stake and build mound of earth
2 ft high with pits 1 ft deep, 2 ft long, 1 ft
wide, as per instructions for cor. to Secs
11, 12, 13 and 14. from which
A Pine, 30 in. dia. br. N. 58° W. 48 lvs. ditc
do. 32 " " " N. 42° E. 200 " "
do. 12 " " " S. 46° E. 57 " "
do. 10 " " " S. 60° W. 51 " "
- Cor. at base (on N. side) of high round
hill.
- Land broken. Soil mostly poor
Grass. Heavy Pine timbering.
A few Aspen & Oak trees. Some red brush.

Gila & Salt River

Chains

East, on a random line between Sections 12 and 13.

Variation $15^{\circ}46'$ East.

Passes along N. base of high hill to the S.

40.00 Set temporary cor.

80.10 Intersect E. boundary 14 lvs. N. of cor. to secs. 12 and 13. from which cor. run

N. $89^{\circ}54' W.$

On true line between secs. 12 & 13.

var. $15^{\circ}46' E.$

40.05 Set a post, marked 74 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, driven chared stake and build mound of earth 2 ft high with pit 1 ft deep, 2 ft long, 1 ft wide, as per instructions, for 74 sec. cor.

from which

A Pine, 40 in. dia. 60, S. $54^{\circ} W.$ 17 lvs. dist.

do. 35 " " " N. $55^{\circ} E.$ 113 " "

80.10 Cor. to secs. 11, 12, 13 and 14.

Land broken. Soil poor and good. Grass.

Heavy Pine timber.

Scattering Oak trees & brush.

Township 20 North Range 5 East

Gila & Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation 15° 46' East.

- 40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for $\frac{1}{4}$ sec. cor. from which
 A Pine, 26 in. dia. br. N. 85° E. 23 lvs. dist
 do. 37 " " " N. 44° W. 56 " "
- 80.00 Set a post, marked and notched, 4 ft long, 3 in sq. d., 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs. 1, 2, 11 & 12, from which
 A Pine, 29 in. dia. br. S. 52° W. 116 lvs. dist
 do. 24 " " " N. 53° W. 118 " "
 do. 28 " " " N. 72° E. 81 " "
 do. 12 " " " S. 6° E. 66 " "

Land mostly level.

Soil good.

Grass -

Heavy Pine timber.

Township

20 North Range 5 East

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 1 and 12.

Variation $15^{\circ}46'$ East.

40.00 Set temporary cor.

80.06 Intersect E. boundary 12 Sec. N. of cor. to Secs. 1 and 12, from which cor. I run $N. 89^{\circ}55' W.$

On true line between Secs. 1 & 12, $var. 15^{\circ}46' E.$

13.00 A Pine 27 in dia.

40.03 Set a post, marked $7/4 S.$ 4 ft long, flattened 3 in wide, 1 ft in the ground and build mound of stones 2 ft high, as per instructions for $7/4$ Sec. cor. from which

a Pine, 37 in dia. brs. North 79 deg. dist
do. 39 " " " S. 58° E. 24 " "

80.06 Cor. to Secs. 1, 2, 11 and 12.

Land level and stony,
Some good soil,
Grass.

Heavy Pine timber

Chains North, on a ^{True} ~~random~~ line between Sections 1 and 2.
Variation 15° 46' East.

- 40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for $\frac{1}{4}$ sec. cor. from which
A Pine, 26 in. dia. brs. East. 47 lbs. dia. dist.
do. 17 " " " N. 52 $\frac{1}{2}$ ° W. 78 " "
- 80.10 Intersect 5th Standard Parallel N., at a point 9.75 chs. W. of cor. to Secs. 35 and 36. of township 21 N. Range 5 E.
Set a post, marked $\frac{1}{4}$ notched, 4 ft long, 3 in. sq. d. 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pile of def. 2 ft long, 1 ft wide, as per instructions for closing cor. to Secs. 1 and 2. from which
A Pine, 48 in. dia. brs. S. 1° E. 74 lbs. dia. dist.
do. 20 " " " S. 20° W. 18 " "
- For obvious reasons trees cannot be marked to the N. of cor.
Land level. Soil good. Grass - Heavy Pine timber.

Chains

North, between Sections 34 and 35.

Variation

15°46'

East.

- 40.00 Set a post, marked "4 S. 4 ft long, flat
tined 3 in wide. 1 ft in the ground, drive
sharred stake and build mound of
earth 2 ft high, with pits 1 ft deep. 2 ft.
long, 1 ft wide, as per instructions for "4
sec. cor from which
A Pine, 26 in dia. br. S. 48° E. 27 lns. dist
do. 30 " " " N. 62° W. 159 " "
- 74.00 A Pine. 38 in. dia.
- 74.70 do. 39 " "
- 80.00 Set a post, marked and notched, 4 ft
long. 3 in sq. 1 ft in the ground, drive
sharred stake and build mound of earth
2 ft high, with pits 1 ft deep. 2 ft long. 1 ft
wide, as per instructions for cor to secs.
26, 27, 34 and 35. from which
A Pine, 39 in dia. br. N. 40° W. 22 lns. dist
do. 28 " " " S. 78° W. 63 " "
do. 15 " " " S. 30° E. 57 " "
do. 24 " " " N. 52° E. 90 " "

Land rolling. Soil stony but some good
Grass. Heavy Pine timber.

Township 20 North Range 5 East
Gila Salt River Meridian.

Chains

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

Variation $15^{\circ}46'$ East.

40.00 Set temporary cor.

79.92 Intersect N. and S. line 21 lns. S. of
cor. to secs. 25, 26, 35 and 36 from
which cor. run
S. $89^{\circ}51'N$.

Outline line between secs. 26 & 35.
Var. $15^{\circ}46'$ East.

39.96 Set a post, marked 14 S. 4 ft. long,
flattened 3 in. wide, 1 ft. in the ground
and build mound of stones 2 ft
high, as per instructions for 14 sec.
cor. from which

A Pine, 26 in. dia. to, S. $60^{\circ}N$, 34 lns. dist.
do. 20 " " " N. $61^{\circ}N$, 53 " "

79.92 Cor. to secs. 26, 27, 34 and 35.

Land rolling. Some stony.
Soil poor.

Grass.

Heavy Pine timber.

Township

20 North Range 5 East

Gila Salt River

Meridian.

Chains

North, between Sections 26 and 27.

Variation 15°46' East.

- 14.50 A Pine 8 in dia.
- 40.00 Set a post, marked 14 S. 4 ft long, flat-topped 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. Cor. from which
 - A Pine, 28 in dia. brs, N. 35° E. 24 brs. dist.
 - do. 35 " " " S. 38° W. 22 " "
- 80.00 Set a post, marked and notched, 4 ft long, 3 in. sqd., 1 ft in the ground, drive charred stake and build mound of earth 2 ft high with pit 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to secs. 22, 23, 26 and 27. from which
 - A Pine, 29 in dia. brs, S. 56° W. 19 brs. dist.
 - do. 30 " " " N. 58° W. 54 " "
 - do. 27 " " " N. 45° E. 66 " "
 - do. 16 " " " S. 15° E. 28 " "

Land rolling. Some good soil.
 Grass. Heavy Pine timber.
 October 3, 1878.

Township

20 North

Range

5 East

Gila & Salt River

Meridian.

Chains

East, on a random line between Sections 23 and 26.

Variation

15° 46'

East.

40.00 Set temporary cor.

79.89 Intersect N. and S. line 22 hrs. S.
a/cor to secs. 23, 24, 25 and 26.
from which cor. Run
S. 89° 51' W.On true line between secs. 23 & 26.
var. 15° 46' E.39.94 Set a post, marked 1/4 S. 4 ft long.
flattened 3 in wide, 1 ft in the
ground, drive charred stake and
build mound a fourth 2 ft high with
pits 1 ft deep, 2 ft long, 1 ft wide, as per
instructions for 1/4 sec. cor.
from which

A line, 20 in. dia. br. S. 79 1/2° W. 81 hrs. dist.

do. 25 " " " N. 80° E. 57 " "

79.89 Cor to secs. 22, 23, 26 and 27.

Land mostly level.

Soil good.

Grass

Heavy Pine timber.

Township 20 North Range 5 East
Gila & Salt River Meridian.

Chains North, between Sections 22 and 23.

Variation 15° 46' East.

40.00 Set a post, marked 14 S. 4 ft long. flat
tined 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for 14 sec.
cor. from which

- A Pine. 30 in. dia. br. N. 72° E. 46 lbs. dia.
- do. 31 " " " N. 78° W. 94 " "

80.00 Set a post, marked and watched,
4 ft long. 3 in. sq. d. 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for cor. to
secs. 14, 15, 22 and 23
from which

- A Pine. 15 in. dia. br. N. 69° E. 51 lbs. dia.
- do. 18 " " " S. 28 1/2° E. 42 " "
- do. 28 " " " S. 65° W. 126 " "
- do. 29 " " " N. 5° W. 51 " "

Land rolling
Some good soil.
Grass.
Heavy Pine timber.

Township 20 North Range 5 East
Gila & Salt River Meridian.

Chains East, on a random line between Sections 14 and 23.
Variation 15° 46' East.

- 40.00 Set temporary cor.
- 80.08 Intersect N. and S. line 9 lns. S. of cor to secs. 13, 14, 23 and 24, from which cor. Run S. 89° 56' W. On true line between secs. 14 & 23. var. 15° 46' E.
- 40.04 Set a post, marked 14 S. 24 flong, flattened 3 in wide, 1 ft in the ground, surr charred stake and build mound afeath 2 ft high, with pits 1 ft deep 2 ft long, 1 ft wide, as per instru - tions, for 14 sec cor. from which
 A Pine 26 in dia. br. East 44 lns. dist.
 do. 38 " " " S. 46 1/2° W. 21 " "
- 80.08 Cor. to secs. 14, 15, 22 and 23.

Land brown. Mostly poor soil.
Grass Heavy Pine timber.

Township

30 North

Range

5 East

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation

15°46'

East.

40.00 Set apart, marked $\frac{1}{4}$ S. off long,
flattened 3 in wide, 1 ft. in the ground,
and build mound of stones 2 ft.
high, as per instructions for $\frac{1}{4}$ sec
cor. from which

A Pine, 21 in dia. br. West 42° under

do. 18 " " S. 72° E. 85 " "

80.00 Set apart, marked and notched,
 $\frac{1}{4}$ ft long. 3 in sq'd. 1 ft. in the ground
drive charred stake and build
mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions for cor. to secs.

10, 11, 14 and 15. from which

A Pine, 44 in dia. br. N. 55° W. 61 land dia

do 30 " " " N. 62° E. 100 " "

do. 29 " " " S. 42° W. 253 " "

do. 20 " " " S. 12° E. 216 " "

Timber opens out some around cor.

Land rough, rocky & broken.
Mostly poor soil. Grass.
Heavy Pine timber.

Township 20 North Range 5 East

Gila Salt River

Meridian.

Chains

East, on a random line between Sections 11 and 14.

Variation 15° 46' East.

40.00 Set temporary 1/4 sec. cor.

75.00 Ascend E.

80.11 Intersect N. and S. line 17 lvs. N. of cor. to secs. 11, 12, 13 and 14, from which cor. Iron

N. 89° 53' W.

On true line between secs. 11 & 14 var. 15° 46' E.

40.05 Set a post, marked 1/4 S. 45 long, flattened 3 in. wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which

A Pine, 20 in. dia. br. South 98 lvs. dist do. 21 " " N. 9° E. 35 " "

80.11 Cor to secs. 10, 11, 14 and 15.

Land rolling. Stony. Some good soil.

Grass.

Many Pine timber.

Township

20 North Range 5 East

Gila Salt River

Meridian.

Chains

North, between Sections 10 and 11.

Variation $15^{\circ}46'$ East.

40.00 Set a post, marked 74 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
driv charred stake and build mound
of earth 2 ft high, with pits 1 ft deep,
2 ft long, 1 ft wide, as per instructions
for 74 sec. cor. from which

A Pine, 33 in. dia. br. N. 5° E. 24 lbs. dist.

do. 39 " " " S. 20° E. 32 " "

80.00 Set a post, marked and notched,
4 ft long, 3 in. sq. d. 1 ft in the ground
and build mound of stones 2 ft
high, as per instructions for cor. to sec.
2, 3, 10 and 11. from which

A Pine, 31 in. dia. br. S. 65° E. 28 lbs. dist.

do. 30 " " " N. 34° E. 60 " "

do. 30 " " " N. 70° W. 76 " "

do. 28 " " " S. 57° W. 113 " "

Sand rolling. Some good soil
Grass.

Many Pine timber

Township 20 North Range 5 East

Gila and Salt River Meridian.

Chains East, on a random line between Sections 2 and 11.
Variation 15°46' East.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 79.85 Intersect N. & S. line 13 lns. S. of cor. to secs. 1, 2, 11 and 12. from which cor. I run S. $89^{\circ} 54' W.$
On true line between secs. 2 & 11 var. $15^{\circ} 46' E.$
- 39.92 Set apart, marked $\frac{1}{4}$ S. 4 ft long. flattened 3 in wide, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, $\frac{1}{2}$ ft long, 1 ft wide, as per instructions for $\frac{1}{4}$ sec. cor. from which
A Pine, 29 in. diam, N. $30^{\circ} W.$ 70 lns. dist.
do. 36 " " " S. $52^{\circ} E.$ 55 " "
- 79.85 Cor. to secs. 2, 3, 10 and 11.

Land rolling, some good soil.
Grass.
Kuang Pine timber.

Township

20 North Range 5 East

Gila and Salt River

Meridian.

Chains

North, on a ~~random~~ ^{True} line between Sections 2 and 3.

Variation 15° 46' East.

- 10.00 Passover ^{th.} slope of hill to the E.
 - 32.00 A Pine 30 in. dia.
 - 40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, drove charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 1/4 sec. cor. from which
 - A Pine, 21 in. dia. br. N. 60° E. 19 lvs. dist.
 - do. 12 " " " N. 58° W. 26 " "
 - 80.16 Intersect the 5th Standard Parallel N, at a point 9.37 chs. W. of standard cor to secs. 34 and 35. of Township 21 N. range 5 E.
 - Set a post, marked 3/4 notched, 4 ft long, 3 in sq'd, 1 ft in the ground, drove charred stake and build mound of earth 2 ft high, with pits 1 1/2 ft deep, 2 ft long, 1 ft wide, as per instructions for closing cor to secs. 2 and 3. from which
 - A Pine 46 in. dia. br. S. 47 1/2° E. 38 lvs. dist.
 - do. 20 " " " S. 25° W. 36 " "
- Sand broken & rolling. Some good soil.
Grass. Heavy Pine timber.

Township 20 North Range 5 East

Gila & Salt River

Meridian.

Chains

North, between Sections 33 and 34.

Variation 15°46' East.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 14 sec. cor.

from which

A Pine, 26 in. dia. brs. N. 30° E. 20 lbs. dist.
do. 25 " " " South 42 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in sq. d. 1 ft in the ground, and build mound of stones 2 ft high as per instructions for cor. to secs.

27, 28, 33 and 34. from which

A Pine, 26 in. dia. brs. N. 32° W. 45 lbs. dist.
do. 28 " " " N. 20° E. 93 " "
do. 12 " " " S. 65° W. 59 " "
do. 27 " " " S. 60° E. 73 " "

Land broken and stony.

Soil poor.

Grass.

Many Pine timber.

Township 20 North Range 5 East

Gila Salt River Meridian.

Chains East, on a random line between Sections 27 and 34.
Variation 15°46' East.

- 40.00 Set temporary cor.
- 79.92 Set intersect N. and S. line 12 hrs. S. of cor. to secs. 26, 27, 34 and 35, from which cor. run S. 89°55' W.
true line between secs. 27 & 34. var. 15°46' East.
- 39.96 Set a post, marked 74 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 74 sec. cor. from which
a Pine, 29 in. dia. brs, S. 35° E. 21 hrs. dist
do. 28 " " " N. 3° W. 40 " "
- 79.92 Cor. to secs. 27, 28, 33 and 34.

Land very rough and broken.

Soil poor. Grass.
Heavy Pine timber.

Township 20 North Range 5 East

Gila & Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation 15° 46' East.

40.00 Set a post, marked 1/4 S. 4 ft long, flat-tined 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which

A Pine, 29 in. dia. br. S. 70° E. 28 lbs. dist.
 do. 26 " " " West, 40 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in sq. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 21, 22, 27 and 28, from which

A Pine, 18 in. dia. br. N. 56° W. 26 lbs. dist.
 do. 20 " " " N. 54° E. 39 " "
 do. 27 " " " S. 60° W. 75 " "
 do. 25 " " " S. 48° E. 29 " "

Land rocky broken and poor.

Grass, Heavy Pine timber.

October 4, 1878.

Township

20 North

Range

5 East

Gila & Salt River

Meridian.

Chains

East, on a random line between Sections 22 and 27.

Variation 15°46' East.

40.00 Set temporary 1/4 sec. cor.

79.75 Intersect N. and S. line 51 lks. S. of cor to secs. 22, 23, 26 and 27. from which cor. I run S. 89° 38' W.

On true line between secs. 22 & 27. var. 15°46' East.

39.87 Set a post, marked 1/4 S. 4 ft. long, flattened 3 in wide, 1 ft. in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which

A Pine, 10 in dia. br., N. 3° E, 48 lks. dist
do. 40 " " " South 38 " "

79.75 Cor to secs. 21, 22, 27 and 28.

Sand broken, rough & poor.

Grass.

Heavy Pine timber.

BOOK 571
Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains North, between Sections 21 and 22.

Variation $15^{\circ}46'$ East.

- 110.00 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ ft. long, flat-topped 3 in. wide, 1 ft. in the ground, and build mound of stones 2 ft. high, as per instructions for $\frac{1}{4}$ sec. cor. from which
A Pine, 34 in. dia. brs, S. 45° E. 95 lbs. dist.
do. 33 " " " N. 50° W. 16 " "
- 80.00 Set a post, marked and notched, $\frac{1}{4}$ ft. long, 3 in. sq. d. 1 ft. in the ground, and build mound of stones 2 ft. high, as per instructions for cor. to Secs. 15, 16, 21 and 22, from which
A Pine, 17 in. dia. brs, S. 31° E. 8 lbs. dist.
do. 18 " " " S. 33° W. 26 " "
do. 19 " " " N. 26° W. 38 " "
do. 24 " " " N. $33\frac{1}{2}^{\circ}$ E. 31 " "

Some good level land.

Grass. Heavy Pine timber.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains

East, on a random line between Sections 15 and 22.

Variation $15^{\circ}46'$ East.

- 30.00 Line crosses a little valley, wooded, br
N.W. and S.E.
- 40.00 Set temporary cor.
- 79.94 Intersect N. and S. line 22 br. S of
cor to secs. 14, 15, 22, and 23, from
which cor. I am
 $S. 89^{\circ}51' N.$
On true line between secs. 15 & 22.
var. $15^{\circ}46' E.$
- 39.97 Set a post, marked $\frac{1}{4}$ S. 4 ft. long, flat-
tened 3 in. wide, 1 ft. in the ground,
and build mounds of stones 2 ft.
high, as per instructions for $\frac{1}{4}$ sec.
cor. from which
A Pine, 38 in. dia. br. $S. 28^{\circ} E.$ 54 lbs. dia.
do. 10 " " " $N. 22^{\circ} W.$ 96 " "
- 45.00 A Pine 27 in. dia.
- 79.94 Cor. to secs. 15, 16, 21 and 22.
- Land smooth rolling. Some
good soil, Grass,
Heavy Pine timber.

Chains North, between Sections 15 and 16.

Variation 15° 46' East.

40.00 Set a post, marked 4 S. 4 ft. long, flattened
3 in. wide, 1 ft. in the ground, drive
charred stake and build mound of
earth 2 ft. high, with pits 1 ft. deep, 2 ft. long,
1 ft. wide, as per instructions for 14 sec.
cor. from which
A Pine, 39 in. dia. br. East, 26 lbs. dist
do. 37 " " " S. 25° N. 122 " "

80.00 Set a post, marked and notched, 4
ft. long, 3 in. sqd., 1 ft. in the ground,
drive charred stake and build a
mound of earth 2 ft. high, with pits
1 ft. deep, 2 ft. long, 1 ft. wide, as per
instructions for cor. to Secs. 9, 10, 15
and 16. from which
A Pine, 42 in. dia. br. N. 59° W. 111 lbs. dist
do. 32 " " " N. 46° E. 100 " "
do. 28 " " " S. 47° E. 90 " "
do. 27 " " " S. 64° W. 130 " "

Land mostly smooth. Soil good.
Grass. Heavy Pine timber.

Gila & Salt River

Meridian.

Chains East, on a random line between Sections 10 and 15.

Variation $15^{\circ}46'$ East.

- 40.00 Set temporary cor.
- 80.12 Intersect N. and S. line 9 hrs. S. of cor. to secs. 10, 11, 14 and 15. from which cor. drawn S. $89^{\circ}56' W.$
 Same line between secs. 10 & 15. var. $15^{\circ}46'$ East.
- 40.06 Set a post, marked $7/4$ S. 4 ft long, flattened 3 in wide, 1 ft. in the ground, and build mound of stones 2 ft high, as per instructions for $7/4$ sec. cor. from which
 a Pine, 18 in dia. br. N. $32^{\circ} E.$ 16 hrs. dist.
 do. 20 " " S. $60^{\circ} W.$ 32 " "
- 80.12 Con. to secs. 9, 10, 15 and 16.

Land uneven. Soil poor & good.

Grass.
 Heavy Pine timber.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains North, between Sections 9 and 10.

Variation $15^{\circ}46'$ East.

- 23.50 A Pine 26 in. dia.
40.00 Set a post, marked 74° S. 4 ft long, flat
tined 3 in wide, 1 ft. in the ground,
drive chamed stake and build mound
of earth 2 ft high with pits 1 ft deep.
2 ft long, 1 ft wide, as per instructions
for 74° sec. cor. from which
A Pine, 35 in dia. br. N. 4° E. 5 lvs. dist
do. 39 " " " S. 10° E. 14 " "
80.00 Set a post, marked and notched,
4 ft long, 3 in sq. d. 1 ft in the ground,
drive chamed stake and build mound
of earth 2 ft high, with pits 1 ft deep.
2 ft long, 1 ft wide, as per instructions for
cor. to Secs. 3, 4, 9 and 10. from which
A Pine, 47 in dia. br. N. 59° E. 29 lvs. dist
do. 45 " " " S. 82° E. 73 " "
do. 29 " " " S. 34° W. 72 " "
do. 27 " " " N. 18° W. 90 " "

Land partly rocky then smooth & good
Grass. Heavy Pine timber.

Township 20 North Range 5 East
Gila Salt River Meridian.

Chains East, on a random line between Sections 3 and 10.

Variation $15^{\circ}46'$ East.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.20 Intersect N. and S. line 19 lvs. S. of
cor. to secs. 2, 3, 10 and 11. from
which cor. run
 $S. 89^{\circ}52' W.$

On true line between secs. 3 & 10.
var. $15^{\circ}46' E.$

40.10 Set a post, marked $\frac{1}{4}$ S. of fl. long,
flattened 3 in. wide, 1 ft. in the ground,
drive charred stake and build mound
a front 2 ft high with pits 1 ft deep,
2 ft long, 1 ft wide, as per instruc-
tions, for $\frac{1}{4}$ sec. cor. from which
a Pine, 24 in. dia br, $N. 40^{\circ} E.$, 9 lvs dist
do. 29 " " " $S. 44^{\circ} W. 58$ " "

80.20 Cor. to secs. 3, 4, 9 and 10.

Land rolling. Some good soil.
Grass. Heavy Pine timber.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains North, on a ~~wooden~~^{True} line between Sections 3 and 4.

Variation 150° 46' East.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stone 2 ft high, as per instructions for 14 sec. cor.

from which

A Pine, 30 in dia. br. N. 5° E. 45 br. dist.

do. 43 " " " S. 35° W. 80 " "

I attempt to run further N. on this line, and at 62.00 chs. intersect impassable Wall of canon br. S. of W. This canon is succeeded by another in a short distance. They have perpendicular rock walls, several hundred feet deep and are the same canons that prevented the extension of the 5th Standard to the N. of this.

I cannot extend this line any further.

For the half mile run as above the land is very rough and broken and poor.

Many Pine timber.

Pine trees of great size in the canons.

Chains

North, between Sections 32 and 33.

Variation $15^{\circ}46'$ East.

- 39.10 A Pine 18 in. dia.
 40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for $\frac{1}{4}$ sec. cor. from which
 A Pine, 12 in. dia. br. N. 80° E. 50 lvs. dist.
 do. 20 " " " S. 64° W. 50 " "
 80.00 Set a post, marked and notched, 4 ft long, 3 in. sq. 1 ft in the ground, and build mound of stones 2 ft high as per instructions for cor. to Secs. 28. 29. 32 and 33. from which
 A Pine, 18 in. dia. br. S. 54° E. 57 lvs. dist.
 do. 34 " " " N. 32° E. 36 " "
 do. 14 " " " S. 40° W. 92 " "
 do. 14 " " " N. 85° W. 31 " "

Land smooth rolling.

Soil poor.

Grass.

Heavy Pine timber.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains

East, on a random line between Sections 28 and 33.

Variation $15^{\circ}46'$ East.

40.00 Set temporary cor.

79.92 Intersect N. and S. line 14 lks. N. of cor.
to secs. 27, 28, 33 and 34, from which
cor. I run
N. $89^{\circ}54'W$.

Outline line between secs. 28 & 33.
var. $15^{\circ}46' E$.

39.96 Set a post, marked 14 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft high
as per instructions for 14 sec. cor.
from which

A Pine, 18 in dia. br. N. $34^{\circ} E$, 42 lks. dist.
do. 19 " " N. $86^{\circ} W$, 104 " "

79.92 Cor to secs. 28, 29, 32 and 33.

Land smooth then broken.

Soil mostly poor.

Grass. Heavy pine timber.

Township

20 North Range 5 East

Seta Salt River

Meridian.

Chains

North, between Sections 28 and 29.

Variation $15^{\circ}46'$ East.

40.00 Setapost, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft. in the ground, drive charred stake and build mound 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 14 sec. cor. from which
 a Pine, 20 in. dia. br. South. 44 lvs. dist.
 do. 20 " " " West. 45 " "

80.00 Setapost, marked and notched, 4 ft long, 3 in sqd. 1 ft. in the ground, and build mound of stakes 2 ft high, as per instructions for cor. to Secs. 20 , 21 , 28 and 29 . from which
 a Pine, 29 in. dia. br. N. 45° E. 18 lvs. dist.
 do. 36 " " " S. $52\frac{1}{2}^{\circ}$ E. 24 " "
 do. 39 " " " S. 22° W. 113 " "
 do. 18 " " " N. $26\frac{1}{2}^{\circ}$ W. 80 " "

Land rolling, Soil poor.

Grass, Spruce timber.

Township

20 North

Range

5 East

Gila and Salt River

Meridian.

Chains

East, on a random line between Sections 21 and 28.

Variation $15^{\circ}46'$ East.

40.00 Set temporary cor.

79.89 Intersect N. and S. line 16 lvs. N.
a few to secs. 21, 22, 27 and 28.
from which cor. I run
 $N. 89^{\circ}53' W.$ a true line between secs. 21 & 28.
var. $15^{\circ}46' E.$ 39.94 Set a post, marked 44 S. 4 ft long,
flattened 3 in wide, 1 ft in the
ground, drive charred stake and
build mound of earth 2 ft high,
with pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions for 44 sec. cor.
from whichA Pine, 30 in dia. br. S. $30^{\circ} E.$ 80 lvs. dist
do. 18 " " " North, 38 " "

79.89 Cor to secs. 20, 21, 28 and 29.

Sand rolling, soil poor.
Grass.Heavy Pine timber.
October 5, 1878.

Township

20 North Range 5 East

Gila & Salt River

Meridian.

Chains

North, between Sections 20 and 21.

Variation $15^{\circ}46'$ East.

- 40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long flat
tined 3 in wide, 1 ft in the ground,
drive charred stake and build mound
of earth 2 ft high, with pits 1 ft deep,
2 ft long, 1 ft wide, as per instruc-
tions, for $\frac{1}{4}$ sec. cor. from which
a Pine, 12 in. dia. br., S. 79° W. 11 lns. dist
do. 15 " " " N. 30° E. 56 " "
- 80.00 Set a post, marked and notched, 4
ft long, 3 in. sqd., 1 ft in the ground,
and build mound of stones 2 ft high
as per instructions for cor. to secs.
16, 17, 20 and 21, from which
a Pine, 22 in. dia. br., S. 44° W. 49 lns. dist
do. 20 " " " S. 5° E. 60 " "
do. 12 " " " N. 31° E. 90 " "
do. 12 " " " N. 30° W. 72 " "

Land rolling, Soil mostly poor.

Grass, Heavy Pine timber.

Township 20 North Range 5 East

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 16 and 21.

Variation 15°46' East.

- 40.00 Set temporary 1/4 sec. cor.
- 79.93 Intersect N. and S. line 18 hrs. N. of cor. to secs. 15, 16, 21 and 22, from which cor. Issue N. 89° 52' W.
 Put true line between secs. 16 & 21. var. 15°46' East.
- 39.96 Set apart marked 1/4 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which
 A Pine. 19 in. dia. br. N. 65° W. 7 hrs. dist
 do. 20 " " " S. 15° W. 39 " "
- 79.93 Cor to secs. 16, 17, 20 and 21.
 Land rough & stony N. then smooth rolling. Grass.
 Many Pine timber, but small in diameter.

Township

20 North Range 5 East

Gila and Salt River

Meridian.

Chains

North, between Sections 16 and 17.

Variation $15^{\circ}46''$ East.

- 320.00 Descend into deep ravine b.s. N. W.
- 400.00 Set apart, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 14 sec. cor. from which
- A Pine, 36 in. dia. b.s. N. 75° W. 34 lvs. dist.
- do. 27 " " " East, 12 " "
- 50.00 Ascend from ravine b.s. W.
- 80.00 Set apart, marked and notched, 4 ft long, 3 in. sqd. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs. 8, 9, 16, and 17, from which
- A Pine, 20 in. dia. b.s. S. 12° E. 19 lvs. dist.
- do. 28 " " " N. 30° E. 95 " "
- do. 30 " " " N. 89° W. 55 " "
- do. 12 " " " S. 27° W. 87 " "
- Land broken and rough.
Soil poor. Grass.
Heavy Pine timber.

Township

20 North

Range

5 East

Gila and Salt River

Meridian,

Chains

East, on a random line between Sections 9 and 16.

Variation $15^{\circ}46'$ East.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line 13 lns. S.
of cor. to secs. 9, 10, 15 and 16,
from which cor. True
 $S. 89^{\circ}54' W.$
On true line between secs. 9 & 16,
var. $15^{\circ}46' E.$
- 39.98 Set a post, marked $\frac{1}{4}$ S. 4 ft long,
flattened 3 in wide, 1 ft in the round,
and build around of stones 2 ft high,
as per instructions for $\frac{1}{4}$ sec. cor.
from which
A Pine, 22 in dia. brs. N. $58^{\circ} W.$ 32 lns. dist.
do. 28 " " S. $24^{\circ} E.$ 55 " "
- 79.96 Cor. to secs. 8, 9, 16, and 17.

Land rough & rocky W. Smooth E.
Soil poor.

Grass.

Heavy pine timber.

42

Township 20 North Range 5 East
Gala and Salt River Meridian.

Chains North, between Sections 8 and 9.

Variation $15^{\circ}46''$ East.

12.00 A Pine 23 in dia.

40.00 Setapost, marked $1/4$ S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for $1/4$ sec. cor. from which

A Pine, 12 in dia. to, N. 18° E. 59 lbs. dist

do. 30 " " S. 12° W. 100 " "

80.00 Setapost, marked and notched, 4 ft long, 3 in sqd, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to Secs. 4, 5, 8 and 9, from which

A Pine, 42 in dia. to, N. 20° E. 71 lbs. dist

do. 39 " " N. 4° W. 71 " "

do. 31 " " S. $18\frac{3}{4}^{\circ}$ W. 119 " "

do. 18 " " S. 6° E. 173 " "

Sand brown, rough & rocky.
Soil poor. Grass.
Heavy Pine timber.

Township 20 North Range 5 East

Gila Salt River Meridian.

Chains East, on a random line between Sections 4 and 9.

Variation $15^{\circ}46'$ East.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
80.09 Intersect N. and S. line 12 hrs. S.
after to secs. 3, 4, 9 and 10, from
which cor. I run
S. $89^{\circ}55' W.$
On true line between secs. 4 & 9,
var. $15^{\circ}46' E.$
- 40.04 Set a post, marked $\frac{1}{4}$ S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
driven charred stake and build mound
a few other ft high, with pits 1 ft deep
2 ft long, 1 ft wide, as per instructions
for $\frac{1}{4}$ sec. cor. from which
at base, 31 in dia. br. S. $65^{\circ} W.$ 68 hrs. dist.
do. 20 " " " S. $84^{\circ} E.$ 104 " "
- 80.09 Cor. to secs. 4, 5, 8 and 9.

Land hilly and broken.

Soil poor.

Grass.

Many Pine timber.

Township

20 North

Range

5 East

44

Gila Salt River

Meridian.

Chains

North, on a ~~random~~^{True} line between Sections 4 and 5.

Variation

15°46'

East.

40.00 Set a post, marked 44 S. 4 ft long, flat-topped 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 14 sec. cor. from which

a Pine, 37 in. dia. br. East, 56 lbs. dist.

do. 38 " " " S. 80° W. 100 " "

I attempt to run further N. on this line and at 45.00 chs. intersect impassable canon br. W and N. W.

This is the same obstacle encountered on the line between secs. 3 & 4.

I cannot run any further N.

Sand broken rough & poor.

Heavy Pine timber.

Fire tree in canons to the N.

Township

20 North

Range

5 East

Gila and Salt River

Meridian.

Chains

~~North, between Sections 31 and 32.~~~~Variations~~~~Feet~~

In attempting to run N. between secs. 31 and 32, I find that in less than a half mile the line intersects an impassable canon bearing N.W. and W., with precipitous sides. The ground is broken and the timber scattered and of no material value. Even what the precipitous nature of the ground affords growth in the W. half of sec. 32 and in sec. 31, is inaccessible. And the soil is worthless.

Therefore I do not extend this line.

I now go to the corner of secs. 28, 29, 32 and 33 and run thence as follows:—

Township 20 North Range 5 East

Gila & Salt River Meridian.

Chains ~~West~~ ^{True} on a ~~random~~ line between Sections 29 and 32. Variation 15° 46' East.

40.00 Set a post, marked 74 S. 4 ft long flat-tined 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 74 sec. cor. from which

- A Pine, 30 in. diam., S. 65° E. 18 brs. dist.
- do. 20 " " " N. 34° W. 58 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in. sq. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 29, 30, 31 and 32.

- from which
- A Pine, 30 in. diam., N. 63° E. 51 brs. dist.
 - do. 12 " " " S. 80° W. 80 " "
 - do. 24 " " " N. 75° W. 63 " "
 - do. 24 " " " S. 70° E. 104 " "

Land broken, rough & rocky.
Soil poor.
Heavy Pine timber.

Township

20 North

Range

5 East

Gila & Salt River

Meridian.

Chains

~~West, on a random line between Sections 30 and 31.~~~~Variation~~~~East~~

The line W. between sees. 30 and 31. cannot be run.

An impassable canon bearing N.W. and W. with precipitous sides and filled with massive boulders bears up the ground and timber and renders the extension of a line entirely impracticable.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains North, between Sections 29 and 30.

Variation 15°46 East.

40.00 Set a post marked 74 S. 4 ft long, flat-tened 3 in wide, 1 ft in the ground, drive charred stake and build a mound beneath 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 74 sec. cor. from which a Pine, 12 in. dia. br. N. 20° E. 53 lns. dist.

do. 39 " " " S. 64° W. 21 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in sqd., 1 ft in the ground, and build mound as stakes 2 ft high as per instructions for cor. to Secs.

19, 20, 29 and 30, from which a Pine, 28 in. dia. br. S. 74° E. 32 lns. dist.

do. 39 " " " N. 65° W. 67 " "

do. 29 " " " S. 66° W. 77 " "

do. 36 " " " N. 78° E. 65 " "

Land broken S., level and some good soil N.

Grass. Heavy Pine timber.
Scattering Oak trees.

Township

20 North

Range

5 East

Gila & Salt River

Meridian.

Chains

East, on a random line between Sections 20 and 29.

Variation

18°46'

East.

40.00 Set temporary 1/4 sec. cor.

79.80 Intersect N. and S. line 30 hrs. S. of
cor. to Secs. 20, 21, 28 and 29. from
which cor. run
S. 89°47' W.Put true line between Secs. 20 & 29.
var. 15°46' E.39.90 Set a post marked 1/4 S. 4 ft. long, flat-
tened 3 in wide, 1 ft. in the ground,
drive charred stake and build mound
of earth 2 ft high, with pits 1 ft deep,
2 ft long, 1 ft wide, as per instructions
for 1/4 sec. cor. from which

A Pine, 20 in. dia. br. N. 50° E. 46 hrs. dist.

do. 24 " " " S. 56° W. 66 " "

79.80 Cor. to Secs. 19, 20, 29 and 30.

Land level. then broken.

Soil mostly poor.

Grass.

Many Pine timber.

BOOK 341
Township 20 North Range 5 East

Gila and Salt River Meridian.

Chains West, on a random line between Sections 19 and 30.

Variation $15^{\circ}46'$ East.

40.00 Set temporary 1/4 sec. cor.

78.57 Intersect W. boundary 70 hrs. N.
of cor. to Secs. 19 and 30. from which
cor. run

N. $89^{\circ}30'$ E.

On true line between Secs. 19 & 30.
var. $15^{\circ}46'$ E.

38.57 Set a post, marked 1/4 S. 4 ft long. flat
tined 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for 1/4 sec.
cor. from which

@ P.M. 48 in. dia. br. S. 48° E. 37 hrs. dist.
do. 20. " " S. 75° W. 51 " "

78.57 Cor. to Secs. 19, 20, 29 and 30.

Land rough, broken and poor.

Grass. Heavy Pine timber.

51
Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains North, between Sections 19 and 20.

Variation 15° 46' East.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for $\frac{1}{4}$ sec. cor.

from which

A Pine, 12 in. dia. br. West, 73 lks. dist.

do. 30 " " " N. 68° E. 60 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in. sq. d. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs. 17, 18, 19 and 20.

from which

A Pine, 21 in. dia. br. N. 16° W. 63 lks. dist.

do. 31 " " " N. 32° E. 111 " "

do. 10 " " " S. 65° E. 97 " "

do. 25 " " " S. 8° W. 105 " "

Land rolling then broken.

Soil poor.

Grass.

Heavy Pine timber.

Chains East, on a random line between Sections 17 and 20.
Variation $15^{\circ}46'$ East.

40.00 Set temporary $\frac{1}{4}$ sec. cor.
80.25 Intersect N. and S. line 29 hrs. S. of
cor to secs. 16, 17, 20 and 21,
from which cor. I run
S. $89^{\circ}48' W.$

On true line between secs. 17 & 20.
var. $15^{\circ}46' E.$

40.12 Set a post marked $\frac{1}{4}$ S. 4 ft. long, flat
tined 3 in. wide, 4 ft. in the ground,
and build mound of stones 2 ft
high, as per instructions for $\frac{1}{4}$ sec.
cor. from which

A Pine, 28 in. dia, br. N. $60^{\circ} E.$ 61 hrs. dist
do. 27 " " " S. $85^{\circ} W.$ 52 " "

80.25 Cor. to secs. 17, 18, 19 and 20.

Land broken, and rough.
Soil poor.

Grass.
Heavy Pine timber.

Township

20 North

Range

5 East

Gila and Salt River

Meridian.

Chains

West, on a random line between Sections 18 and 19.

Variation

15° 46'

East.

40.00 Set temporary cor.

78.43 Intersect N. boundary 26 lns. N. of
cor. to secs. 18 & 19. from which
cor. from
N. 89° 49' E.Same line between secs. 18 & 19.
var. 15° 46' E.38.43 Set a post, marked '43, 4 ft long,
flattened 3 in. wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for '44 sec.
Cor. from whichA Pine, 38 in. dia. br. S. 20° E. 58 lns. dist.
do. 18 " " " N. 78° W. 82 " "

78.43 Cor to Secs. 17, 18, 19 and 20.

Land broken.

Soil poor.

Heavy Pine timber.

Gila Salt River

Meridian.

Chains

North, between Sections 17 and 18.

Variation

15° 46'

East.

- 20.00 Descend into a cañon br. N. W.
- 25.00 Leave same, br. N. W.
- 38.00 A Pine 30 in. dia.
- 40.00 Set a post, marked 14 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, drive chert stones
and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions for 14 sec. cor. from which
A Pine, 39 in. dia. br. S. 27° W. 24 br. dest.
do. 36 " " " N. 45° E. 114 " "
- 80.00 Set a post, marked and notched, 4 ft
long, 3 in. sq. 1 ft in the ground, and
build mound of stones 2 ft high, as per
instructions for cor. to secs. 7, 8, 17
and 18, from which
A Pine, 39 in. dia. br. N. 46° W. 31 br. dest.
do. 37 " " " N. 56° E. 38 " "
do. 12 " " " S. 54° E. 87 " "
do. 24 " " " S. 10° W. 96 " "

Sand broken Soil poor.
Grass. Heavy Pine timber.

Township 20 North Range 5 East
Gila and Salt River Meridian.

Chains

East, on a random line between Sections 8 and 17.

Variation $15^{\circ}46'$ East.

40.00 Set temporary cor.

80.14 Intersect N. & S. line 15 lns. N. of cor.
to Secs. 8, 9, 16, and 17, from
which cor. I run
N. $89^{\circ}54'W$.Outline line between secs. 8 & 17,
var. $15^{\circ}46' E$.40.07 Set a post, marked 74 S. 4 ft long,
flattened 3 in. wide, 1 ft. in the ground,
and build mound of stones 2 ft.
high as per instructions for 74 sec.
Cor. from whichA Pine, 15 in. dia. br. N. $55^{\circ}W$. 24 lns. dist.

do. 39 " " " East. 72 " "

80.14 Cor. to Secs. 7, 8, 17 and 18.

Land barren, rough & stony.
Soil poor.

Heavy Pine timber.

Township 20 North Range 5 East

Gila Salt River Meridian.

Chains West on a random line between Sections 7 and 18.

Variation $15^{\circ}46'$ East.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 78.40 Intersect N. boundary 18 lvs. N.
 of cor. to secs. 7 and 18. from which
 cor. run
 $N. 89^{\circ}52' E.$
 on true line between secs. 7 & 18.
 var $15^{\circ}46' E.$
- 38.40 Set a post, marked $\frac{1}{4}$ S. 4 ft long,
 flattened 3 in wide. 1 ft in the ground,
 drive charred stake and build mound
 of earth 2 ft high, with pits 1 ft
 deep, 2 ft long, 1 ft wide, as per in-
 structions, for $\frac{1}{4}$ sec. cor. from which
 a Pine, 24 in. dia brs, $N. 40^{\circ} W. 33$ lvs. dist.
 do. 15 " " " $S. 50^{\circ} E. 44$ " "
- 78.40 Cor. to secs. 7, 8, 17 and 18.

Land broken.
 Soil poor.
 Heavy Pine timber.

Township

20 North

Range

5 East

Gila & Salt River

Meridian.

Chains

North, between Sections 7 and 8.

Variation

15°46'

East.

40.00

Set a post, marked 44 S. 4 ft long, flat-topped 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 74 sec., cor. from which

A Pine, 33 in dia br, S. 8° W. 63 hrs. dist.

do. 36 " " " N. 20° W. 70 " "

76.50

A Pine 27 in dia

80.00

Set a post, marked and notched, 4 ft long, 3 in. sqd. 1 ft in the ground, drive chared stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to Secs. 5, 6, 7 and 8, from which

A Pine, 29 in. dia br, N. 14° E. 43 hrs. dist.

do. 28 " " " N. 30° W. 47 " "

do. 25 " " " S. 70° W. 51 " "

do. 12 " " " S. 13° E. 132 " "

Land broken, rough & stony.
Some grass.
Heavy Pine timber.

Township

BOOK 341
20 North Range 5 East

Gila Salt River

Meridian.

Chains

East, on a random line between Sections 5 and 8.

Variation $15^{\circ}46'$ East.

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.09 Intersect N. & S. line 25 lns. N. of
cor. to secs. 4, 5, 8 & 9. from
which cor. In line

N. $89^{\circ}49'$ W.

On true line between secs. 5 & 8.
var. $15^{\circ}46'$ E.

40.04 Set a post, marked $\frac{1}{4}$ S. 4 ft. long,
flattened 3 in. wide, ft. in the ground,
and build mound of stones 2 ft. high,
as per instructions for $\frac{1}{4}$ sec. cor.
from which

A Pine, 19 in. dia. br. S. 20° W. 21 lns. dist.

do. 24 " " " N. 80° E. 20 " "

80.09 Cor. to secs. 5, 6, 7 and 8.

Land rolling and broken.

Soil poor.

Grass.

Heavy Pine timber.

Township 20 North Range 5 East
Gila & Salt River Meridian

Chains

West, on a random line between Sections 6 and 7.

Variation

 $15^{\circ}46'$

East.

28.00 Around S. slope of high hill bss. N.

40.00 Set temporary cor.

53.00 Descend.

78.37 Intersect N. boundary 23 lvs. N.
of cor. to secs. 6 and 7, from
which cor. June
N. $89^{\circ}50' E.$ On true line between secs. 6 & 7.
var. $15^{\circ}46' E.$ 38.37 Set a post, marked 48.4 ft long, flat
tined 3 in wide, 4 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for 74 sec.
Cor. from whichA Pine, 18 in dia. bss. N. $36\frac{1}{2}^{\circ} E.$ 36 lvs. dist.do. 23 " " S. $59^{\circ} E.$ 80 " "

78.37 Cor to secs. 5, 6, 7 and 8.

Land rolling. Soil mostly heavy
Grass.

Heavy Pine timber.

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Township 20 North Range 5 East

Gila & Salt River

Meridian.

Chains North, on a ^{True} ~~random~~ line between Sections 5 and 6.

Variation $15^{\circ}46'$ East.

- 40.00 Set a post marked "4 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, and build
mound of stones 2 ft high, as per
instructions for "4 sec. cor. from which
a Pine, 26 in dia. br. West 102 lvs. dist.
do. 20 " " " N. 18° E. 139 " "
- 71.00 Descend precipitous slope into low ground
- 77.50 Dry wash, 50 lvs. wide, br. N. W.
- 80.11 Intersect 5th Standard Parallel N,
at a point 8.90 chs. N. of standard
cor. to secs. 31 and 32, of Township
21 N. Range 5 E.
Set a post, marked "5 notched, 4 ft long,
3 in sq. 1 ft in the ground, drive charred
stake and build mound of earth 2 ft high,
with pits $1\frac{1}{2}$ ft deep, 2 ft long, 1 ft wide,
as per instructions for closing cor. to Secs.
5 and 6, from which
a Pine, 30 in dia. br. S. 50° E. 253 lvs. dist.
do. 36 " " " S. 70° N. 100 " "
Cor. in little open flat br. N. W.
Land broken. Soil mostly poor.
Grass. Heavy Pine timber.
October 7, 1878

GENERAL DESCRIPTION.

Township 20 N. Range 5 E. contains but little agricultural soil and no water, but grass of the finest qualities grows luxuriantly throughout nearly the whole township.

In the W. two thirds of the township the surface is very broken and rough.

There is a vast body of Pine timber covering the entire township, suitable for lumber for any purposes for which the best Pine lumber is used. The trees are of great height and size, a large portion of them measuring 3 feet in diameter.

The land is wholly non-mineral.

The lines were blazed and line trees notched as per instructions.

John W. Harris.
U.S. Dep. Surveyor.

MEMORANDUM FOR THE RECORD

[The remainder of the page is blank, lined paper.]

List of Names.

A List of the Names of Individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the survey of

The Subdivision Lines of Township 20 N. Range 5 E. of the Gila and Salt River Meridian

Showing the respective capacities in which they acted.

Richard Shrope Chainman.

N. Van Alstine Chainman,

W. Suastegui.
N. Van Alstine } Axeman.

Mr. Amos Kell Flagman.

Wm. B. DeWolf
John Quate No



Final Oath of Assistants.

We hereby certify that we assisted John L. Harris
 U. S. Deputy Surveyor, in
 surveying

The Subdivision Lines of
Township 20 N, Range
5 E. of the Gila and Salt
River Meridian

and that said Survey has been in all respects, to
 the best of our knowledge and belief, well and
 faithfully executed, and the boundary monuments
 planted according to the instructions furnished by
 the Surveyor-General.

Richard Shrep Chairman.

N. Vassett Stetline Chainman,

Frank Carpenter Axeman.

Am. Amos Kolb Flagman.

D. B. Potter Pitman

Sworn to and subscribed before me, this 13th

day of November 1878

John R. Farrell
 Notary Public.

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Final Oath of Deputy Surveyor.

I, *John L. Harris*

U. S. Deputy Surveyor, do solemnly swear that
in pursuance of a contract with John Wasson,
United States Surveyor-General for Arizona, bear-
ing date the *29th* day of *July*

1878. I have well, faithfully and truly, in my
own proper person, and in strict conformity with
the instructions furnished by the Surveyor-Gener-
al, the Surveying Manual, and the laws of the
United States, surveyed all those portions of

The Subdivision Lines of
Township 20 N. Range 5 E.
of the Gila and Salt River
Meridian

..... as are repre-
sented in the foregoing Field Notes as having
been surveyed under my directions; and I do
further solemnly swear that all the corners of
said surveys have been established and perpet-
uated in strict accordance with the Surveying
Manual and printed instructions, and also in ac-
cordance with the additional requirements con-

tained in circular instructions from the U. S. Surveyor-General for Arizona, dated September 1, 1873, regarding the establishment of corner boundaries of public surveys, and that the foregoing are the true and original Field Notes of such surveys.

John L. Harris

Deputy Surveyor.

Sworn to and subscribed before me, this 13
day of November, 1878

John R. Farrell
Notary Public



U. S. Surveyor General's Office,

TUCSON, ARIZONA,

December 30 1878

The foregoing Field Notes of the Survey of the
Subdivision Lines of
Township 20 North
Range 5 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by John S. Harris

Deputy Surveyor, under his contract of the 29th
day of July, 1878, having been

critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved.

John Massm.
Surveyor General.