

75

BOOK 1858

1858  
Supplemental  
FIELD NOTES

OF THE SURVEY OF THE

J. I. & R. B. E.

1858-

1858

of the Gila & Salt River Base and Meridian,

AS SURVEYED BY

Philip Kontzen

United States Deputy Surveyor,

Under his Contract No. 115, dated March 15, 1904, 189

Survey commenced September 25, 1905, 189

Survey completed " " " " 189

75A  
1A

NAMES AND DUTIES OF ASSISTANTS.

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6-151

**BOOK** 1858

Township 18 S., Range 16 E. M.

**BOOK** 1858

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	5		4		3	4	2	9	1	2
							9		10	3
7		8		9		10	4	11	11	12
								6		5
18		17		16		15	5	14		13
19		20		21		22		23		24
			6							
30		29	7	28		27		26		25
31		32	8	33		34		35		36

Chains

September 25, 1905: At 7<sup>h</sup> 15<sup>m</sup> a.m., l.m.t., I set off 31° 54' N., on the lat. arc; 0° 42' S. on the decl. arc; and determined a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Sp. as previously set by me.

Thence I run East, bet. secs. 2 and 35.

Over rolling land, descending through dense brush. Set a sandstone 18 x 8 x 6 ins., 12 ins. in the ground, for 4 sec. cor. marked 7 on N. face; from which I run into, 10 ins. diam. brass S. 38 1/2° E.; 1/2 ms. 250 dist. marked 8 S 2 1/2 S.; no other tree within limit; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. (I <sup>have</sup> moved this cor. 1 ch. west)

Dry wash, 30 lbs. wide, course N.W. ascend.

Slope, brass N.W. and S. N.; thence over level land.

Descent, brass N.W. and S. N.

Set a sandstone, 20 x 6 x 6 ins., 14 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked with 1 notch on E. and 5 notches on N. edge; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. (I <sup>have</sup> moved this cor. 1 ch. west)

Land, rolling and level.

Soil, gravelly loam and stony; 2nd, 3rd and 4th rate.

Timber, scattering mesquite; undergrowth, mesquite, yucca and cacti.

Dense undergrowth, 80.00 chs.

East, bet. secs. 1 and 36.

Over rolling land, descending through scattering mesquite timber and dense brush.

Draw, 2 chs. wide, course N.W.; ascend.

Slope extending N.; descend.

Dry wash, 15 lbs. wide, course N.; ascend.

Slope of N. slope of ridge; ascend.

Enter Davidson wash and canyon, course N.; cor. point falls in wash.

Leave wash.

Set a sandstone, 18 x 10 x 8 ins., 12 ins. in the ground, for witness cor. to 4 sec. cor. marked N 6 1/4 on N.

see page 11. N. Bds. for this mile

see page 11. N. Bds. for orig. mile.

40.00

50.30

64.00

75.00

80.00

11.00

19.00

25.05

38.00

40.00

41.00

41.20

Chains

face, from which  
A mosquito, 6 ins. diam, bears N. 70° E., 157 lbs. dist,  
marked N 6 4 S 3 6 B S.

A mosquito 6 ins. diam, bears S. 35 1/2° W., 23 lbs. dist,  
marked N 6 4 S 1 B S.

44.60 Road, bears N. and S.

45.00 Low canyon, ascend.

48.57 Spur, extending N. W., descend.

52.10 Enter gulch, course N. W.

60.25 Low gulch and dense brush, ascend.

64.05 Top, bears N. and S., descend.

68.05 Enter gulch, course N. S. W.

70.05 Broad gulch, course W., ascend.

71.05 Top, bears N. W. and S. E., thence over level land.

73.27 Intersect E. bdy. of Sp. 418 lbs. N. of old Sp. cov.

Set a conglomerate stone, 24 x 10 x 6 ins., 18 ins. in  
the ground, for chising cov. of Sp. 17, and 18 S.,  
R. 16 E., marked with 6 grooves on N., S. and W.

face, from which  
A mosquito, 9 ins. diam, bears S. 24 1/2° W., 282 lbs.  
dist, marked S 18 S R 16 E S T B S. no other trace  
and raise a mound of stone, 3 ft. base, 2 ft.  
high, N. of cov.

Land, rolling and level.

Soil, sandy, gravelly loam and stony; 2nd, 3rd  
and 4th rates.

Scattered scattering mosquito, madrogronth, mosquito,  
trisetia and cacti.

Dense undergrowth, 73.27 chs.

From old Sp. cov., 1/4 sec. cov. bears S. 0° 6' E.

Shurford & mm

S. 0° 6' E., on W. bdy. of Sec. 6, S. 18 S., R. 17 E.

Over mountainous land, descending.

✓ 2.60 Gulch 30 lbs. wide, course W., ascend.

✓ 15.50 Top of ridge, bears N. W. and S. E.; 175 ft. above  
gulch; thence along N. slope.

✓ 21.00 Begin descent

✓ 26.00 Gulch, 15 lbs. wide, 100 ft. below top of slope, course  
N. thence N. W., ascend.

✓ 31.00 Spur, 120 ft. above gulch, extending N., descend.

see page 2  
resurvey  
bdy.

Chains  
 35.80 Gulch, 20 lks. wide course N. N., ascend.  
 39.70  $\frac{1}{4}$  cor. as heretofore described.  
 From  $\frac{1}{4}$  cor. sec. cor. bears S. 0° 6' E.  
 Therefor § run S. 0° 6' E  
 Over mountainous land, ascending.  
 1.50 N. slope of round mountain; top bears 3 chs. E.;  
 descend.  
 17.65 Gulch, 175 ft. below top of slope, 20 lks. wide, course  
 N.; ascend.  
 24.00 Spur, 175 ft. above gulch, extending N.; descend.  
 31.70 Gulch, 75 ft. below top of spur, 10 lks. wide, course  
 N. N. W.; ascend.  
 39.05 Sec. cor. of secs. 6 and 7, S. 18 S., R. 17 E., as heretofore  
 described.  
 From cor. sec. 6 and 7, S. 18 S., R. 17 E.,  $\frac{1}{4}$  sec. cor.  
 bears S. 0° 5' E.  
 Therefor § run  
 S. 0° 5' E., on W. bdy. of sec. 7.  
 Over mountainous land, ascending.  
 9.00 Top of N. slope of mountain; descend over quartzite  
 ledgers.  
 17.55 Spot, 100 ft. below top of slope; enter valley, bears  
 N. N. W. and S. S. E.  
 22.00 Descend abruptly 50 ft.; enter gulch, course N. N. W.  
 26.30 Cross gulch.  
 39.65  $\frac{1}{4}$  sec. cor. of secs. 7 and 12, S. 18 S., R. 17 E., as  
 heretofore described  
 From  $\frac{1}{4}$  cor. sec. cor. bears S. 0° 10' E.  
 Therefor § run, S. 0° 10' E., on W. bdy. sec. 7.  
 Over level land.  
 15.80 Gulch, 15 lks. wide, course N. N. W. level valley and  
 begin ascent along N. slope of mountain.  
 21.50 Spot of bluff, 20 ft. high.  
 31.50 Top of slope; ascend over quartzite bluffs.  
 37.00 Gulch, 15 lks. wide, course N.; ascend.  
 39.88 Sec. cor. of secs. 7 and 12, S. 18 S., R. 17 E., as heretofore described.  
 Land, mountainous and level.  
 Soil, gravelly loam, stony and rocky; 2nd, 3rd  
 and 4th rates.  
 Timber, a few musquits.  
 Mountainous land, 79.46 chs.

See page 3  
 resurvey of Rd.  
 for orig. mile

4  
79  
See page 28  
Subs. for  
orig. miles.

Chains  
From cor of sres. 2, 3, 34 and 35, on N. bdy. of the sp,  
From  
S. 102° W., bet. sres. 2 and 3.  
Over mountainous land, descending through scattering  
mosquito timber and dense brush.  
✓ 16.20 Gulch, 20 lks. wide, course NW.  
✓ 30.10 Gulch, 10 lks. wide, course NW. ascend.  
✓ 40.00 1/4 sec. cor. as heretofore described.  
✓ 56.10 Top of rocky ridge, 200 ft above gulch, bears E.  
and N.; descend.  
✓ 64.25 Gulch, 15 lks. wide, 200 ft. below top of ridge, 15  
lks. wide, course S.E. descend.  
✓ 71.00 Lower dense brush, bears NW. and S. W.  
✓ 80.00 Cor. of sres. 2, 3, 10 and 11, as heretofore described.  
Land, mountainous.  
Soil, gravelly loam and stony; 2nd, 3rd and 4th  
rates  
Timber, scattering mosquito and cedar, undergrowth,  
mosquito tussock, palmillo, Spanish bayonet and cacti.  
Mountainous or land covered with dense undergrowth,  
80.00 chs.

See page 29  
subs. for orig  
mile.

From cor. of sres. 2, 3, 10, and 11.  
S. 102° W., bet. sres. 10 and 11.  
Over mountainous land, ascending through dense  
brush.  
? 2.60 Ridge, bears E. and N.; descend.  
✓ 20.20 Gulch, 200 ft. below top of ridge, 20 lks. wide, course  
E.; ascend.  
✓ 25.70 Ridge, 80 ft. above gulch; bears E. and N.; descend.  
✓ 37.00 Gulch, 130 ft. below ridge, 20 lks. wide, course E.;  
ascend; lower dense brush.  
✓ 40.00 1/4 sec. cor. as heretofore described. (I moved this cor.  
20 lks. W and 10 lks. S.)  
✓ 43.00 Top, thence along E. slope of ridge.  
✓ 47.00 Begin descent, through scattering mosquito timber  
and dense brush.  
✓ 73.00 Gulch, 60 lks. wide, course NW.; ascend through scat-  
tering cedar timber.  
✓ 75.70 Spur, extending NW.; descend.  
✓ 80.00 Cor. of sres. 10, 11, 14 and 15, as heretofore described.  
Land, mountainous. (I moved this cor. 40 lks. W and 20  
lks. S.)

except B. S. changed to  
S. 34° 15' E., 27  
lks. dist.

6 hours

Soil, gravelly loam, stony and rocky; 2nd, 3rd, and 4th cuts.  
Timber, scattering mesquite and cedar; undergrowth, mesquite, tasota, palmito, spanish bayonet, myrtle and cacti.

From cor. of sres. 10, 11, 14 and 15.

S. 0° 2' W, bet. sres. 14 and 15.

Over mountainous land, ascending through scattering cedar timber and dense brush.

10.50

Gravel cedar and brush, bar N.W. and S.E.

17.50

Slope, bars E. and W.; thinned along E. slope of ridge.

22.50

Descent.

30.00

Small gulch, course E.; ascend.

38.00

Ridge, 100 ft. above wash, bars E. and W., descend through dense tasota.

40.00

1/4 sec. cor. as heretofore described. (This cor. <sup>I have</sup> moved 55 lks. W and 10 lks. S)

46.55

Gulch, 10 lks. wide, course S.E.; ascend.

50.70

Slope extending E.; descend.

56.70

Gulch, 10 lks. wide, course E.; ascend.

60.50

Slope, extending W.; descend.

64.00

Enter barrel canyon, course W.; enter scattering mesquite timber and dense brush, bar N.W. and S.W.

64.65

Road, bars N. and S.W.

76.00

Barrel canyon; ascend.

80.00

Cor. of sres. 14, 15, 22 and 23, <sup>as previously set by me</sup> from which:  
A mesquite, 12 ins. diam, bars N. 67° E., 450 lks. dist.; marked S 18 S R 16 E S 14 B S;  
A mesquite 6 ins. diam, bars S. 75° E., 195 lks. dist.; marked S 18 S R 16 E S 23 B S

From cor. of 11, 12, 13 and 14.

East, bet. sres. 12 and 13.

Over mountainous land, descending through scattering mesquite timber and dense brush.

6.00

Gulch, 30 lks. wide, course N.; ascend.

13.00

Slope, bars N. and S.; thinned over smooth land sloping N.

22.00

Dense timber and dense brush, bar N.W. and S.W.

35.10

Deep gulch, 20 lks. wide, course N.W.

40.00

1/4 sec. cor., as heretofore described. (This cor. <sup>I have</sup> moved 10 lks. N.)

48.45

Deep gulch, 20 lks. wide, course N.W.; ascend

beginning cor. of sres. 12 and 13, as heretofore described

see page 20  
supp. for orig  
mile.

see page 38  
for this mile.

chains

Land, gently rolling, level and mountains.  
Soil, gravelly loam, stony and rocky; 2nd, 3rd and 4th rates.  
Timber, scattering mesquite, undergrowth, mesquite, taro and cacti.  
Mountains or land covered with dense undergrowth, 26.80 chs.

see page 37 subs. for this mile

- ✓
- ✓ 5.95
- ✓ 10.00
- ✓ 15.90
- ✓ 23.95
- ✓ 28.00
- ?
- ✓ 39.95
- ✓ 43.45
- ✓ 49.95
- ✓ 56.00
- ✓ 59.65
- ✓ 63.95
- ✓ 65.20
- ✓ 73.40
- ✓ 77.10
- ?
- 79.90

From cor. of secs. 10, 11, 14 and 15  
N. 89° 50' E., bet. secs. 11 and 14.  
Over mountainous land, descending through scattering mesquite timber and dense brush.  
Gulch, 10 lbs. wide course N.; ascend.  
Slope, extending N.; descend.  
Gulch, 15 lbs. wide course N.; ascend.  
Slope, extending N.; descend.  
Gulch, 20 lbs. wide, course N.; ascend.  
1/4 sec. cor. as heretofore described. (This cor. was moved 60 lbs. W and 25 lbs. N.)  
Ridge, bars N. and S.; begin steep descent.  
Enter Davidson canyon, course N.  
Road, bars N. and S.  
Lower canyon; ascend.  
Lower timber and dense brush, level N. and S.  
Gulch, 20 lbs. wide, course N. W.  
Top of N. slope of ridge.  
Descend  
Cor. of secs. 11, 12, 13 and 14, as heretofore described. (This cor. was moved 30 lbs. N.)  
Land, mountains.  
Soil, gravelly loam, stony and rocky; 2nd, 3rd and 4th rates.  
Timber, scattering mesquite, undergrowth, mesquite, taro and cacti.  
Mountainous or land covered with dense undergrowth, 79.90 chs.

see page 37 subs. for this mile

- ✓
- ✓ 1.00
- ✓ 3.50
- ✓ 14.00

From cor. secs. 21, 22, 27 and 28.  
West, bet. secs. 21 and 28.  
Over mountainous land, descending through mesquite timber.  
Enter dense brush, bars N. and S.  
Enter Barral canyon, course N. W.  
Lower canyon, timber and dense brush, - N. W.; ascend.



233  
W.C.C.  
7  
7

see page 7  
cuts for this  
mile

28  
cuts

✓  
✓  
✓  
✓  
✓  
✓

6 hours  
17.00  
19.00  
27.20  
31.00  
31.72  
37.80  
40.13  
41.20  
46.30  
68.00  
80.26

Spruce extending S.; descend.  
Barrel bars 1/2 chs. N.  
Road bars N. and S.  
Enter canyon, course NW.  
Wing fence bars NW. and S. W.  
Witness cor. to 1/4 sec. cor. as heretofore described.  
Cov. point in small gulch, course S.  
Gravel canyon. ascend.  
Spruce extending S.; descend.  
Gulch, 20 lbs. S.; ascend.  
Cov. sres. 20, 21, 28 and 29, as heretofore described.  
(I moved this cor. 20 lbs. E.)

misquinte B D  
changed to  
S. 51° E, 159 lbs. dist.

From cor. sres. 20, 21, 28 and 29.  
S. 0° 2' W., bet. sres. 28 and 29.  
Over mountainous land, descending through scattering  
oak timber.  
Wing fence bars N. W. and S. E.  
Gulch, 1 ch wide, course E.; ascend.  
Spruce extending E.; descend.  
Mouth of draw, course E.;  
Enter Barrel canyon, course NW. into dense brush.  
Set a sandstone, 18 x 10 x 8 ins. 12 ins. the gonyrd, for  
1/4 sec. cor. marked 1/4 on N. face, from which  
A misquinte, 5 ins. diam., bars N. 83 1/4° E., 60 lbs. dist.,  
marked 1/4 S 28 B D.  
A juno, 6 ins. diam., bars S. 52° W., 84 lbs. dist., marked  
1/4 S 29 B D. and placed a mound of stone, 2 ft. base,  
1 1/2 ft. high, W. of cor. (This cor. was moved 18 lbs. E.)  
Road, bars NW. and S. W.  
Gravel canyon and dense brush; ascend.  
Spruce extending N.; descend.  
Gulch, 20 lbs. wide, course W.; ascend.  
N. slope of ridge; descend.  
Cor. of sres. 28, 29, 32 and 33 as heretofore described.  
Land, mountainous and level.  
Soil, gravelly loam, stony and rocky; 2nd, 3rd and  
4th cuts.  
Timber, scattering misquinte, oak and juno. under-  
growth, misquinte, tosta, palmillo, Spanish bayonet  
and cacti.  
Mountainous or land covered with dense brush, 80 chs.

see page 18 subs. for this mile

6 chains From cor. of secs. 28, 29, 32 and 33.  
 ✓ S. 0° 12' W. bet. secs. 32 and 33.  
 Over mountainous land, descending.  
 7.00 E. edge of wash, course N. ascend.  
 23.00 Top, bears N.W. and S.W.; descend.  
 29.50 Foot, bears N.W. and S.W.; begin ascent over broken ground.  
 40.00  $\frac{1}{4}$  sec. cor. as heretofore described.  
 ✓ 45.30 Dry wash, 15 lbs. wide, course N.W.  
 ✓ 52.00 Dry wash, 10 lbs. wide, course N.W.; begin steep ascent.  
 ✓ 56.50 Spur, extending N.W.; descend.  
 ✓ 60.40 Embank, 20 lbs. wide, course N.W.; ascend.  
 ✓ 63.00 Ridge, bears N.W. and S.W.; descend.  
 ✓ 67.80 Draw, 40 lbs. wide, course N.W.; ascend.  
 ✓ 79.10 Closing cor. of secs. 32 and 33, as heretofore described.

Land, mountainous and broken.  
 Soil, gravelly loam and stony, 2nd, 3rd and 4th rate.  
 Timber, scattering oak, undergrowth, oak, laurel, palmillo and Spanish bayonet.  
 Mountainous or land covered with dense undergrowth, 57.10 chs.

see page 30 subs.

~~There~~ I moved the  $\frac{1}{4}$  cor. bet. secs. 10 and 15; 40 lbs W and 20 lbs S, Cor. of secs. 21, 22, 27 and 28.

B.S. changed to:  
 A mesquite, 7 ins. diam., bears S. 82° E. N., 142 lbs. dist., marked S 18 S R 16 E S 28 B S.

Note: - The original field notes show distance to this B.S. from sec. cor. to be 142 lbs. The difference is probably owing to a clerical error in transcribing notes.

see page 37, subs)

~~There~~ I moved  $\frac{1}{4}$  cor. bet. secs. 11 and 12 - 15 lbs. N!  
 Bringing true of  $\frac{1}{4}$  sec. cor. of secs 6 and 31, S. bdy. of the N.W. changed to:

(see page 12 S. Bdy.)

An oak, 6 ins. diam., bears S 68° E., 160 lbs. dist., marked  $\frac{1}{4}$  S 6 B S.

see page 49 subs.)

~~There~~ I moved  $\frac{1}{4}$  cor. bet. secs. 13 and 14, 15 lbs. S.  
 Note: - In making the above corrections, the distances and courses practically remain the same as reported in the field notes, except the N. bdy. of sec. 1.

see page 15 subs.)

~~There~~ I moved  $\frac{1}{4}$  cor. bet. secs. 20 and 21 10 lbs. E. B. To. Sec  
 $N 44 \frac{1}{2}^{\circ} W$  40 lbs. and  $S 78 \frac{1}{2}^{\circ} E$  82 lbs  
~~There~~ I moved  $\frac{1}{4}$  cor. bet. sec. 20 and 29 10 lbs. E.

see page 16 subs.)

see sub. page 35 for this mile

September, 26, 1905 At 8<sup>h</sup> 35<sup>m</sup> a. m., l. m. t., & set off 31° 54' N. the lat. arc, 1° 28' S. in the direction and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36 on the N. side of the Sp. as heretofore described.

Shiner's run S. 0° 3' N., bet. secs. 1 and 2.

Over rolling land through scrub pine mesquite timber and dense brush.

11.60 Enter to the river, course N. E.; begin gradual ascent.

40.00 Set a surveying iron, 18 x 12 x 5 ins., 12 ins. in the ground, for 4 sec. cor., marked 4 on N. face; and raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. & W. Sits impracticable.

52.00 Top of ridge, bears E. and N. descent.

61.85 Enter, to the river, course N. E.; ascend.

74.00 Top, bears N. and S. W.; dense scrub brush land.

80.00 Set a sandstone, 20 x 2 x 5 ins., 14 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked with 1 notch on E., and 5 notches on S. side; from which

A mesquite, 6 ins. diam., bears N. 65° 1/2 E., 182 lbs. dist., marked P 18 S R 16 E S 1 B B.

A mesquite, 6 ins. diam., bears N. 27 1/2 W., 208 lbs. dist., marked P 18 S R 16 E S 2 B B; another tree within limit; and raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Sits impracticable.

Over rolling and level.

Soil, gravelly loam and stony; 8th and 4th rate. Timber, scrub pine, mesquite, manzanita, mesquite, sotilla, palmito, heliconia, amole and cacti. Dense manzanita, 80.00 hrs.

see subdivision notes page 35 for this mile

81.00 Nest on a random line bet. secs. 2 and 11.

Set temp. 4 sec. cor.

Enter sec. 1 and 2 line 94 lbs. N. of cor. of secs. 2, 3, 10 and 11.

Shiner's run

N. 89° 30' E., on a true line bet. secs. 2 and 11.

Over mountainous land, along N. slope of ridge.

- 2.00 Begin descent.
- 32.00 Enter dense brush, cross N. and S.
- 44.02 Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for 4 sec. cov., marked 4 on N. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cov. Pits impracticable.
- 45.00 Small gulch, 200 ft. below descent, course N.; ascend.
- 54.00 N. side of round hill; descend.
- 72.00 Gulch, 150 ft. below top of hill, on N. side, course N.; enter level land.
- 80.00 N. cor. of secs. 1, 2, 11 and 12.  
Large, mountainous and level.  
Soil sandy and gravelly, lime and stony; 2nd, 3rd and 4th rates.  
Timber, scattering cedar, magnolia, mesquite, tesotilla, palmito, spanish bayonet and cacti.  
Mountainous or level covered with dense magnolia, 80.00 pls.

East, on a trail from lat. secs. 1 and 12.

Over level land, through scattering mesquite timber and dense brush.

- 3.00 Descend.
- 16.85 Enter Davidson canyon, course N.
- 27.15 Road, cross N. and S.
- 37.00 Leave canyon and dense brush; ascend.
- 39.50 Top, cross N. and S.; thence over level land.
- 40.00 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for 4 sec. cov., marked 4 on N. face. From which a pale circle, 6 ins. diam., bears S 34° 15' E., 141 lbs. dist., marked 4 & 12 to S.  
A mesquite, 8 ins. diam., bears N. 30° 45' W., 187 lbs. dist., marked 4 & 1 to S.
- 63.00 Gulch, 20 lbs. wide, 30 ft. deep, course N. N.; ascend.
- 73.16 Enter wet E. body of the Sp., 297 lbs. N. of cor. of secs. 6 and 7, S. 18 S., N. 17 E., as heretofore described.  
Set a granite stone, 18x10x6 ins., 12 ins. in the ground, for closing cov. of secs. 1 and 12, S. 18 S., N. 16 E., marked 6 & 6 on N. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cov. Pits impracticable.

see subdivisional notes page 37 for this mill.

Canyon, mountains and level.  
 Soil, gravelly loam, and stony; 2nd, 3rd and 4th rates.  
 Timber, scattering mesquite; mesquite, yucca and acacia.  
 Mountains or land covered with dense undergrowth; 49.66 chs.

S. 0° 3' N. lat. sec. 11 and 12.  
 Over level land, through scattering mesquite timber and dense brush.

- 5.00 Descend.
  - 20.00 Enter Davidson canyon, course N. N.
  - 25.60 Road, bears N. N. and S. S. N.
  - 26.90 Leave canyon, ascend.
  - 39.60 Set a sandstone, 20 x 8 x 6 ins., 14 ins. in the ground, for 4 sec. cor., marked <sup>W.C.</sup> 4 in. N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
  - 40.00 Small gulch, course N. S. N.
  - 52.50 Spur, 200 yds. above canyon, extending N.; ascend.
  - 67.00 Enter draw, course N.
  - 68.65 Dry wash, 30 chs. wide, course N.; ascend.
  - 80.00 Set a sandstone, 18 x 8 x 6 ins., 17 ins. in the ground, for cor. of sec. 11, 12, 13 and 14, marked with 1 notch in E. and 4 notches in S. edge, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
- Land, mountains.  
 Soil, gravelly loam and stony; 3rd and 4th rates.  
 Timber, scattering mesquite; mesquite, yucca, spanish bayonet and cacti.  
 Mountains or land covered with dense undergrowth, 50.00 chs.

September

Philip Cortzen  
 U. S. Deputy Surveyor.

Territory of Arizona. } ss  
County of Pima }

Philip Cortzen, being first duly sworn, deposes  
and says that he made the foregoing ex-  
hibits in S. 18 S. R. 16 E.

Philip Cortzen  
U.S. Deputy Surveyor.

Subscribed and sworn to before me this first  
day of March, 1906.

Geo. W. Mc  
Commissioner

## APPROVAL.

Office of the United States Surveyor General.

Phoenix, A.T., March 28, 1906.

The foregoing supplemental field notes of the survey of T. 18 S. R. 16 W. of the Gila and Salt River Base and Meridian, executed by Phillip Contzen, U. S. Deputy Surveyor, under his Contract No. 115, dated March 15th, 1904, having been critically examined, and the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.



U. S. Surveyor General.