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Capital E.N.

July 26/07

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89 (1)

Book "E"

2049

FIELD NOTES

BOOK 2049

OF THE SURVEY OF THE

Subdivisional lines of T. 10 N.

R. 6 W., also a resurvey of a portion of the North body and subdivisions of T. 10 N., R. 6 W.

2049

2049

2049

Of the Gila & Salt River Base Meridian,
Territory of Arizona

AS SURVEYED BY

Philip Contzen, United States Deputy Surveyor,

Under Contract No. 138, dated April 12, 1906.

Survey commenced Nov. 1st, 1906.

Survey completed Nov. 17th, 1906.

6-151

2049

NAMES AND DUTIES OF ASSISTANTS.

Harry Mallory

Chairman

Wayne Ritter

"

Jean Mazarin

Moundman

J.B. Milsap

Arman

Frank W. Knutson

Flagman

91 (13)

BOOK 2049

INDEX DIAGRAM.

Township 10 N., Range 6 W.

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92 (10)
BOOK 2049

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harry Mallory and Wayne Ritter
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivisional lines of T. 10 N. R. 6 W.

Harry Mallory, Chainman.
Wayne Ritter, Chainman.

Subscribed and sworn to before me this 1st
day of November, 1906.



Philip Contzen
U. S. Deputy Surveyor
No Notary available

I, Jean Magarin
do solemnly swear that ~~we~~ will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the subdivisional lines of T. 10 N. R. 6 W.

Jean Magarin, Moundman.
Jean Magarin, Moundman.

Subscribed and sworn to before me this 1st
day of November, 1906.



Philip Contzen
U. S. Deputy Surveyor
No Notary available

I, J. B. Milsap
do solemnly swear that ~~we~~ will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the subdivisional lines of T. 10 N. R. 6 W.

J. B. Milsap, Axman.
J. B. Milsap, Axman.

Subscribed and sworn to before me this 1st
day of November, 1906.



Philip Contzen
U. S. Deputy Surveyor
No Notary available

I, Frank W. Knutson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivisional lines of T. 10 N. R. 6 W.

Frank W. Knutson, Flagman.

Subscribed and sworn to before me this 1st
day of November, 1906.



Philip Contzen
U. S. Deputy Surveyor
No Notary available

Chs.

Survey commenced Nov. 1st, 1906, and executed with A Young and Sons. Light Mountain Transit No. 5609, with Smith Solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the Solar apparatus, by comparing its indications, resulting from solar observations made during p. m. and a. m., hours, with a meridian determined by observation on Polaris, I proceed as follows-

At the corner to sections 13, 14, 23 and 24, T10 N., R. 6 W., which is a stone properly set mkd. and witnessed as described by the Surveyor-General, in Lat. $34^{\circ} 12' 30''$ N., Long. $112^{\circ} 49'$ W., I set off $34^{\circ} 13'$ N., on the Lat. Arc; $14^{\circ} 20'$ S., on the Decl. arc; and at 2 hours, 32 minutes, p. m., l. m. t., determine with the Solar a meridian and mark a point thereof, on a stone firmly set in the ground 5.00 chains N. of the corner.

Nov. 1st, 1906.

Nov. 2nd, 1906- At 4 hours, 40 minutes, a. m., l. m. t., by my watch which is correct, I observe Polaris at western elongation, in accordance with the Manual of instructions and mark a point on the line thus determined, on a plug driven in the ground, 5.00 chs. N. of my station.

A 7 a. m., l. m. t., I lay off the azimuth of Polaris $1^{\circ} 26'$ to the E. and mark the meridian thus determined by cutting a small groove in the stone set Nov. 1st, on which the meridian falls 0.3 ins., west of the mark determined with the Solar.

At 7 hours, 58 minutes, a. m., l. m. t., I set off $34^{\circ} 13'$ N., on the Lat. arc; $14^{\circ} 31'$ S., on the decl. arc and determine a meridian with the Solar, and mark a point thereof on the stone already set 5. chs. N. of my station; this mark falls 0.2 ins., E. of the Mer. established by the Polaris observation.

The solar apparatus by a. m., and p. m. observations defines meridian with such accurateness, that I conclude my instrument to be in adjustment.

The magnetic bearing of the meridian at 8 hours, 10 mins., a. m., properly reduced is $14^{\circ} 30'$ E.

From the corner of sections, 13, 14, 23 and 24, I run N. $0^{\circ} 01'$ W., bet. secs. 13 and 14. Over precipitous land along east slope of mountain ridge through scattering brush.

21.40 Trail bears N. W.

21.50 Pipe line from Date Creek to Congress Mine E. and W.

21.95 Telephone line from Martinez Creek to Congress Mine bears E. and W.

34.00 Begin steep descent.

40.00 Set a granite stone, 18 x 12 x 7 ins., in a mound of stones, impracticable to set in ground on account of bed rock, stone marked $1/4$ on the W. face; and raise a mound of stones, 2 ft. base, 1 $1/2$ ft. high, W. of the corner. Pits impracticable.

At 12 O'Clock noon, by my watch which has correct l. m. t., I set off $14^{\circ} 31'$ S., on the Dec. arc and observe the Sun on the Meridian, the resulting latitude is $34^{\circ} 13'$ N.,

75.85 Dry gulch, 60 lks. wide, course E.

80.00 On Mountain Spur running E. and W. Point for corner falls on a granite rock in place, 8 x 6 x 4 ft. above ground, mark α (x) at exact corner point, with 4 grooves S., and 1 groove E. of cross, and raise a mound of stones 2 ft. base, 1 $1/2$ ft. high, W. of cross and cor. point, on rock. Pits impract.

Land mountainous. Soil worthless. No timber, catclaw and mesquite trees. Mts. and except locally difficult to survey.

	Nov. 3rd, at 8 hours, 31 mins. a. m., l. m. t., I set off 34° 13' N., on the Lat. arc 14° 53' S., on the decl. arc and determine a meridian with the Solar, at the cor. to secs. 11, 12, 13 and 14, established by me yesterday. Thence I run, N. 89° 55' E., on a random line, bet. secs. 12 and 13.
40.	Set temp. 1/4 sec. cor.
80.13	Intersect the E. boundary of the Tp. 21 lks. N. of the corner to secs. 7, 12, 13 and 18, a granite rock, properly marked and set, as described by the Surveyor-General. Thence I run, N. 89° 56' W., on a true line, bet. secs. 12 and 13.
	Descending over rolling land.
10.12	Enter dry wash, course W.
14.00	Leave dry wash, course S. W.
37.00	Dry wash, 40 lks. wide, course S. W. and enter dense brush.
40.065	Set a granite stone, 18 x 9 x 7 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
60.00	Thro. dense brush of catclaw, greasewood and ocotillo
60.00	and Enter level land
65.00	Martinez Creek, 45 lks. wide, course S.
65.60	Wagon road bears N. and S.
65.90	Pipe line from Date Creek to Congress Mines N. W. and S. E.
66.25	Single track of the Santa Fe Prescott and Phoenix, R. R. bears N. 45° W., and S. 45° E.
67.60	Telegraph line, bears N. W. and S. E.
	Leave Creek bottom and ascend rough precipitous mts. Brush becomes scattering.
77.53	Trail to Congress mines over mountains N. and S.
80.13	The corner to secs. 11, 12, 13 and 14.
	Land rolling, mountainous and level.
	Soil, 1st, 2nd and 4th rate to worthless.
	Timber- a few cottonwood trees along creek bottom.
	Brush, greasewood, catclaw, and ocotillo and mesquite.
	Mountainous or land covered with dense undergrowth 43.13 chs.
	Exceptionally difficult to survey 43.13 chains.
	Nov. 3rd, 1906.

	Nov 4th, at the cor. to secs. 11, 12, 13 and 14, at 8 hours, 3 mins., a. m., l. m. t., I set off 34° 13' N. on the Lat. Arc; 15° 11' S., on the decl. arc and determine a meridian with the Solar; thence I run, N. 0° 01' W., bet. secs. 11 and 12.
	Over rough and precipitous mountainous land descending over boulders, and through dense brush.
5.90	Dry gulch, 40 lks. wide, course E. and ascend.
11.00	Trail bears N. W.
15.00	Top of spur running E. and descend.
23.50	Enter level land covered with dense catclaw brush.
26.50	Single track of the Santa Fe Prescott and Phoenix, R. R. running N. W. and S. E.
27.50	Pipe line from Date Creek to Congress Mine N. W. and S. E.
28.15	Barbed wire fence bears N. W. and S. E.
36.50	Martinez creek, (dry) 60 lks. wide, course S. E.
40.00	Set a granite stone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high W. of the corner. Pits impracticable.
40.80	Old wagon road bears N. W. and S. E.
42.50	Dry wash or creek, 40 lks. wide, course S. W. and ascend of steep rough mts. over boulders.
48.50	Wagon road to Congress Mine, course N. W.
50.50	Top of rocky knoll and descend.
56.75	Foot; wagon road bears N. W. and ascend over rolling land through dense brush.
80.00	Granite stone, 6 x 10 x 8 ins., above ground, properly marked and witnessed as described by the Surveyor-General.
	Land mountainous, rolling and level.
	Soil, alluvial, sandy and rocky to worthless.
	No timber; catclaw, tesotillo and greasewood brush.
	Mts. or land covered with dense brush and difficult to survey 80.00 chains.
	Nov. 4th, 1906.

- Chs. Nov. 5th, 1906, at 8 hours, 26 mins., a. m., 1. m. t., at the corner to sections 14, 15, 22 and 23, a granite rock, properly set, marked and witnessed as described by the Surveyor-General, I set Off $34^{\circ} 12' N.$, on the Lat. Arc $15^{\circ} 31' S.$, on the decl. arc and determine a meridian with the Solar.
- Thence I run,
N. $0^{\circ} 01' W.$, bet. secs. 14 and 15.
Over rolling land through brush.
- .69 Intersect the S. W. Boundary line of the Golden Thread mining Claim (patented) survey No. 1352, at a point from which Cor. No. 4 of said Claim bears N. $41^{\circ} \frac{1}{2}' W.$, 1.74 chs. dist., and intersection of this claim with line bet. secs. 14 and 23 bears S. $41^{\circ} 30' E.$, 0.93 chs. dist.
At point of intersection- Set a Quartzite stone, 18 x 6 x 6 ins., 12 ins., in the ground for closing corner to fractional sections 14 and 15, marked with 4 grooves on the W. 2 grooves on the E. 1352 on the N. and C. C. on the S. faces. raise a md. of stones; 2 ft. base, $1\frac{1}{2}$ ft. high S. of the stone. Thence on blank line across claim.
- 2.985 Intersect the N. W. Boundary line of the Golden Thread Patented Mining Claim, Min. Sur. No. 1352, at a point from which Corner No. 4 of said claim, bears S. $48^{\circ} W.$, 154 lks. dist.
At point of Intersection- Set a quartzite stone, 18 x 6 x 6 ins., 12 ins., in the ground for closing cor. to fract. secs. 14 and 15, marked 4 grooves on the W. 2 on the E. 1352 on the S. CC on the N. faces and raise a mound of stones 2 ft. base, $1\frac{1}{2}$ ft. high, N. of the stone. Thence On true line.
- 3.50 Frame house 4.00 chs. W.
5.00 Hoist and shaft of Congress Mine bears 21. chs. E.
6.50 Frame house 3.20 chs. W.
10.55 Gulch 30 lks. wide, course S. E.
15.00 Hoist and Shaft of contress Mine bears 20 chs. E.
16.50 Shaft 4.00 chs. E. *U.S.M.M. No. 1. brs. East 9.20 chs.*
18.50 Hoist and Shift 16.00 chs. E.
21.10 Dry gulch 30 lks. wide, course E.
22.05 Dry gulch 30 lks. wide, course S. E.
22.40 Mining Shaft, 10.00 chs. E.
23.60 Mining Shaft 1.8 chs. W.
30.04 Shaft 60 lks. W.
39.80 Trail from Date Creek to Congress Mine bears N. W. and S. E.
40.00 Set a granite stone, 18 x 8 x 8 ins., 12 ins., in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on the W. face; and raise a mound of stones, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of the corner. Pits impracticable.
- 45.65 Gulch 40 lks. wide, course E.
46.50 Enter gulch, dry, course S. E.
48.00 Leave gulch.
48.50 Well, 3.00 chs. E.
50.00 Shaft 6.00 chs. E.
57.00 Shaft 15.00 chs. W.
57.12 Gulch 15 lks. wide, course E.
69.22 Intersect the Southeast Boundary line of the Old State Patented Mining Claim, Mineral Survey No. 1189, whence Cor. No. 5 of said Claim bears N. $39^{\circ} 15' W.$, 6.605 chs. dist.
At point of intersection set a granite stone, 18 x 8 x 6 ins., 12 ins., in the ground for closing corner, marked 4 grooves on the W. 2 on the E. 1189 on the N. and CC on the S. faces. Md. of stones S. of Cor. Pits Impract. Thence across the claim, same course, on a blank line.
- 76.65 Intersect the Northwest Boundary line of the Old State patented Mining Claim, at a point from which cor. No. 4 of said claim bears S. $61\frac{1}{2}' W.$, 21 lks. dist.
At point of intersection- Set a granite stone, 18 x 8 x 6 ins., 12 ins., in the ground, marked 4 notches on W. 2 on the E. 1189 on the S. CC on the N. faces, with a md. of stones, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of stone. Pits impracticable.

Chs. 80.00 Thence same course on true line, bet. secs. 14 and 15. Point for the corner to sections, 10, 11, 14 and 15, falls on a granite rock in place, 4 x 3 x 2 ft. above ground, mark a cross (x) at exact cor. point, and 2 notches E. and 4 notches S. of cross, and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the rock. Pits impracticable. Land gently rolling. Soil sandy and rocky; 3rd and 4th rate. No timber, tesotilla, greasewood and cactus underbrush. Dense undergrowth 80. chs.

40. 80.14 EAST, on a random line, bet. secs. 11 and 14. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point 10 lks. S. of the corner to sections 11, 12, 13 and 14. Thence I run, S. 89° 56' W., on a true line, bet. secs. 11 and 14. Ascending over mountains and very precipitous land covered with dense brush.

35.10 Top of rough ridge or mountain spur running N. and S. Thence across rough and rocky mountain plateau over boulders. Through dense brush and cactus.

40.07 Set a granite stone, 18 x 6 x 5 ins., 12 ins.; in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. From 1/4 sec. cor. High Mountain Buttes bears N. 20° W.

47.15

43.00 Ascend steeper N. and S.

49.00 Mining Shaft 10 lks. N.

54.85 Shaft 12.00 chs. N. leave dense brush N. and S.

61.90 Mountain spur or ridge bears N. and S.

67.12 Begin steep descent.

75.90 Mining Shaft 50 lks. N.

79.00 Dry gulch, 40 lks. S. Trail in same from Coronado Mine to Congress bears N. and S. and ascend.

80.14 The corner to secs. 14, 15, 22 and 23. Land rough Mts. or covered with dense brush and exceptional difficult to survey-80.14 chs. Soil gravelly and stony; 3rd and 4th rate. No timber. Underbrush catclaw, mesquite, greasewood and tesotillo. Nov. 5th, 1906.

Nov. 6th, 1906- At the corner to sections 10, 11, 14 and 15, at 7 hours, 55 mins. a. m., 1. m. t., I set off 34° 13' N., on the Lat. arc; 15° 47' S., on the Decl. arc and determine a meridian with the Solar; thence I run, N. 00 01' W., on a true line, bet. secs. 10 and 11. Over mountainous land ascending.

9.70 Gulch 40 lks. wide, course E.

23.97 Ascend steeper and over very rough slope.

21.90 Saddle N. W. and S. E.

23.07 Old wagon road bears E. and W.

25.00 Enter dense catclaw and ocotillo underbrush bears N.W. and S. E.

30.50 Top of rocky ridge 800 ft. above section corner slopes N. E. and begin very steep descent over rough slope.

35.87 Head of canon or gulch; N. W. leave dense brush bears N. E.

39.45 As the corner point for 1/4 sec. cor. will fall on the side of a granite boulder which is unsuitable for the construction of a corner, at this point I set a witness corner for the 1/4 sec. cor. to secs. 10 and 11, by marking a cross (x) on a granite boulder 60 x 40 x 20 ft. above surface of ground and W. C. W. of cross. Raise a mound of stones 2 ft. base, 1 1/2 ft. high, on boulder W. of cross and point for W. C.

40.00 Point for sec. cor. on granite boulder. Descend steeper over granite terraces and large rocks and boulders.

96

4.

10.11.14-15

chs.
 63.00 Enter draw, course easterly. Draw at this point is about 400 feet below section corner.
 66.05 Leave draw and ascend over rocks.
 76.30 Rocky ridge bears E. and W. and descend.
 79.10 Draw, 2.00 chs. wide, course E. and ascend over rocks and boulders.
 80.00 Point for the corner to sections 2, 3, 10 and 11, falls on a granite boulder, 10 x 8 x 5 ft. above the surface of the ground. Mark a cross (x) at exact corner point with 2 grooves E. and 5 grooves or notches S. of cross and raise a mound of stones 2 ft. base, 1 1/2 ft. high, 10 lks. W. of the corner. Impossible to set mound west of cor. pt. at proper distance.
 Pits impracticable.
 Land mountainous.
 Soil gravelly loam, rocky and worthless.
 No timber. Underbrush, tesotilla, greasewood, cactus.
 Mountainous or land covered with dense underbrush 80. chains.
 Exceptionally difficult to survey 80.00 chs. or entire mile.
 Nov. 6th, 1906.

 At the corner point to secs. 2, 3, 10 and 11, on Nov. 7th, at 8 hours, 2 minutes a. m., 1. m. t., I set off 34° 14' N., on the Lat. arc; 16° 06' S., on the decl. arc and determine a meridian with the Solar; thence I run, N. 89° 56' E., on a random line, bet. secs. 2 and 11.
 40. Set temp. 1/4 sec. cor.
 80.00 Intersect the N. and S. line, at a point 12 lks. N. of the corner to sections 1, 2, 11 and 12.
 Thence I run,
 N. 89° 59' W., on a true line, bet. secs. 2 and 11.
 Descending over mountainous land through dense brush.
 11.20 Dry wash, 15 lks. wide, course S. W.
 21.25 Wagon road bears N. and S. and enter level land or slightly rolling.
 31.75 Dry wash, 30 lks. wide, course S. W.
 35.50 Martinez creek (dry) 70 lks. wide, course S. E.
 36.00 Stable 2 chs. S.
 37.00 House 4.30 chs. S.
 37.75 Wire fence bears N. and S.
 38.17 Wire fence bears E. N. E.
 39.00 House, 4.00 chs. S.
 40.00 Set a quartzite stone, 18 x 8 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, N. of the corner.
 48.00 Wagon road bears N. and S.
 49.10 Pipe line from Congress Mine to Date Creek bears N. W. and S. E.
 50.30 Santa Fe Prescott and Phoenix, single track railroad bears N. W. and S. E.
 51.10 Telegraph line, bears N. W. and S. E.
 52.60 Spring branch bears S. E. 5 lks. wide.
 66.00 Leave level or rolling land and dense underbrush and ascend over rough and rocky mountain slope.
 80.00 The corner to sections, 2, 3, 10 and 11.
 Land level, rolling and mountainous.
 Soil, loam, sandy and rocky. 1st, 2nd and 3rd rate to worthless.
 Timber- a few cottonwood along Martinez creek bottom.
 Underbrush. Mesquite, cactus, greasewood, ocotillo and tesotilla.
 Mountainous or land covered with dense brush and exceptional difficult to survey 80,00 chains.
 Nov. 7th, 1906.

 At the cor. pt. to secs. 2, 3, 10 and 11, on Nov. 8th, 1906, at 8 hours, 30 minutes, a. m., 1. m. t., I set off

chs. 34° 14' N., on the Lat. arc; 16° 25' S., on the Decl. arc and determine a meridian with the Solar; thence I run, N. 0° 2' W., on a true line bet. secs. 2 and 3. Ascending from Draw. Over mountainous land. Thro D. brush.

3.00 Top and descend over rough and rocky land.

22.50 Foot; bears W. N. W.; thence over nearly level land, through dense catclaw brush.

26.40 Telegraph line bears N. W. and S. E.

26.80 Santa Fe Prescott and Phoenix, R. R. course N. W. and S. E.

27.10 Pipe line from Date Creek to Congress Mines, runs N. W. and S. E.

29.30 Martinez Creek (dry) 1.00 chain wide, course S. E. Wagon road bears E. and W.

39.50 Dry wash, 60 lks. wide, course S. E.

40.00 Point for 1/4 sec. cor. falls on edge of wash and subject to overflow.

40.20 Set a witness corner to the 1/4 sec. cor. bet. secs. 2 and 3. A granite stone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. witness corner, marked W. C. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner.

48.00 Wagon road course S. E.

60.00 Leave dense brush and ascend.

76.50 Intersect the North boundary of the Tp. 6.23 chs. W. of a stone in a delapidated mound of stones. The cor. to secs. 2, 3, 34 and 35, with notches hardly discernible. At point of intersection, establish a closing corner to fractional sections 2 and 3 as follows—
A granite stone, 18 x 6 x 6 ins., 12 ins., in the ground, marked with 2 grooves on the E. and 4 grooves on the W. and C. C. on the S. faces, and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, S. of the corner. Pits impracticable. Land mountainous and level. Soil alluvial, sandy loam and gravelly; 1st, 2nd, 3rd and 4th rate. No timber. Undergrowth, tesotilla and catclaw with some cactus. Mountainous or land covered with dense brush and exceptional difficult to survey 76.50 chains.

Nov. 8th, 1906.

RESURVEY OF A PORTION OF THE NORTH AND EAST BOUNDARIES OF TP. 10 N., R. 6 W.

Nov. 9th, 1906. At the Closing corner to fract. secs. 2 and 3, established by me on the North bdy. of the Tp. on Nov. 8th, 1906, at 8 hours and 27 minutes, a. m., 1. m. t., I set off 34° 15' N., on the Lat. Arc; 16° 42' S., on the decl. arc and determine a meridian with the Solar. Thence I run, from said closing corner. WEST, on a true line, bet. secs. 3 and 34, on the N. bdy. of the Tp. Ascending the Eastern slope of the Date Creek Mountains.

33.77 After diligent search I fail to find any evidences of the old 1/4 sec. cor. which is described by the Surveyor-General as a stone in a mound of stones. Set a granite stone, 18 x 10 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, N. of the corner.

51.75 Dry wash, 20 lks. wide, course S. W.

73.70 Intersect the old corner of sections 3, 4, 33 and 34, which is a stone 10 x 8 x 8 ins., in a delapidated mound of stones, with marks nearly obliterated.

I re-establish the corner to secs. 3, 4, 33 and 34 as follows—

Set a stone, 18 x 10 x 8 ins., 12 ins., in the ground

Subdivisions and surveys in Tp. 10 Continued.
N. R. 6 W.

Chs. marked with 3 grooves on the E. and W. edges, and raise a mound of stones 2 ft. high, 3 ft. base, W. of the cor. Pits impracticable.
Land mountainous.
Soil rocky and gravelly 4th rate.
No timber.
Underbrush, ocotillo, cactus, tesotillo and greasewood.
Mountainous or land covered with dense brush and difficult to survey. 73.70 chs.

Returning to the delapidated corner to secs. 34 and 35 6.23 chs. E. of the closing corner to fractional secs. 2 and 3 of Tp. 10 N., R. 6 W., recently established by me, I re-establish the corner to secs. 34 and 35 as follows-
Set a granite stone 18 x 8 x 6 ins., 12 ins., in the ground, marked with 2 grooves on the E. and 4 grooves on W. edges and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner.
Thence EAST, on a true line, on the N. bdy. of Sec. 2 of Tp. 10 N., R. 6 W.
Over level land through dense undergrowth.
18.90 Leave level land and brush and commence steep ascent.
28.10 Top of ascent and descend rough and rocky slope.
40.00 Old 1/4 sec. cor. a stone in a delapidated mound of stones. Re-establish 1/4 sec. cor. by setting a granite stone, 18 x 8 x 6 ins., 12 ins., in the ground, marked 1/4 on the N. face and raise a mound of stones 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
46.00 Descend.
52.90 Ravine runs South, 40 lks. wide.
80.00 The corner to sections 1, 2, 35 and 36, a stone in a mound of stones properly marked as described by the Surveyor-Gen. Land Mts. 80.00 chs. Soil worthless, No timber. Brush. Nov. 9, 1906.

Nov. 10th, 1906, at the cor. to secs. 1, 2, 35 and 36, at 8 hours 56 minutes, a. m., 1. m. t., I set off 34° 15' N., on the Lat. arc; 16° 59' S., on the Decl arc and determine a meridian with the solar thence I run, S. 2° 35' W., on a true line bet. secs. 1 and 2 of Tp. 10 N., R. 6 W. (The S. bdy. of Sec. 2 being 80.00 chs. in length and the north boundary 86.23 chs. in length I run on a right line in order to determine the locus of the 1/4 sec. cor.)
Descending over rough precipitous mountains and boulders. Land is very broken.
14.95 Bottom of descent and ascend.
36.57 Old 1/4 sec. cor. stone in a delapidated mound of stones marked 4. Re-establish same by setting a granite stone, 18 x 12 x 8 ins., 12 ins., in the ground, mkd. 1/4 on the W. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impract.
61.00 Top of ascent and descend.
71.10 Dry wash, 30 lks. wide, course S. W.
76.70 The corner to secs. 1, 2, 11 and 12. Heretofore described.
Land mountainous.
Soil rocky, sandy and worthless.
No timber.
Brush, cactus and ocotillo with some sage brush.
Mountainous land and difficult to survey 76.70 chs.

From the cor. to secs. 1, 2, 11 and 12. I run EAST, on a true line, bet. secs. 1 and 12. Over mts. land.
39.76 Old 1/4 sec. cor. a post in a delapidated mound. Set a granite stone, 18 x 12 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impract. as desc. by S. G.
73.00 The cor. to secs. 1, 6, 7 and 12. Land mts. Soil worthless. Mts. land 58.00 chs. Nov. 10, 1906.

9

chs. At this point on sharp rocky spur extending West, I set a witness corner to the 1/4 sec. cor. point, bet. secs. 15 and 16, as follows mark a cross (x) and W. C. 1/4, W. of cross, on a granite boulder, 5 x 5 x 4 ft. above ground and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of cross and witness cor. pt.
Begin very precipitous descent over large boulders.
40.00 1/4 sec. cor. point on N. side of granite ledge.
56.05 Enter dense brush bearing N. E.
64.90 Dry wash, 30 lks. wide, course N. E. and enter rocky basin.
74.00 Ascend from basin and leave dense brush of catclaw.
80.00 On Mountain spur extending E. Point for corner falls on a granite boulder, 8 x 4 x 4 ft. above ground, mark a cross (x) at exact corner point, with 4 grooves S. and 3 grooves E. of cross and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of cross. Pits impracticable. Land mountainous.
No timber.
Brush, catclaw, tesotilla and greasewood.
Soil 3rd rate to worthless.
Mountainous or land covered with dense undergrowth and exceptionally difficult to survey 80.00 chains.
Nov. 13, 1906.

Nov. 14, 1906- At the corner to sections 9, 10, 15 and 16, at 8 hours, 30 minutes, a. m., l. m. t., I set off 18° 5' S., on the decl. arc; 34° 13' N. on the Lat. arc and determine a meridian with the Solar; thence I run, N. 89° 58' E., on a random line, bet. secs. 10 and 15.
40. Set temp. 1/4 sec. cor.
79.94 Intersect the N. and S. line, at a point 3 lks. S. of the corner to sections 10, 11, 14 and 15; thence I run, S. 89° 57' W., on a true line, bet. secs. 10 and 15.
Over mountainous land through brush ascending.
23.50 Mountain ridge runs N. N. E. and descend.
59.97 Point for 1/4 sec. cor. falls on a granite boulder in place, 24 x 14 x 6 ins., above ground; mark on rock or boulder 1/4 on the N. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
Descend.
41.25 Gulch 20 lks. wide, course N. W. and ascend.
41.90 Trail N. and S. from Date Creek to Congress Mines and begin gradual ascent over rough and rocky ground.
66.00 Mining tunnel in mountain 9.00 chs. S.
66.70 " " " " 8.40 " "
67.00 Miners Cabin (vacant) 7.00 chs. S.
69.50 Mining Tunnel in mountain ridge 7.90 chs. S.
73.40 Dry wash, 30 lks. wide, course E. thence N. E.
78.10 Mining tunnel 50 lks. N. of line.
79.00 Leave dense brush and ascend.
79.94 Cor. point, corner to sections 9, 10, 15 and 16.
Land mountainous and rolling.
Soil rocky and gravelly 2nd rate to worthless.
No timber.
Undergrowth oak, catclaw and tesotilla.
Mountainous or land covered with dense undergrowth and exceptionally difficult to survey 79.94 chains.
Nov. 14, 1906.

Nov. 15, 1906- At cor. pt. to secs. 9, 10, 15 and 16, at 9 hours, 31 mins., a. m., l. m. t., I set off 18° 22' S., on the decl arc; 34° 13' N., on the Lat. arc and determine with the Solar, a meridian; thence I run, N. 0° 02' W., bet. secs. 9 and 10.
Descending over mountainous land from spur of ridge
1.00 Enter draw and dense brush running E. and W.
9.70 Dry wash, 20 lks. wide, course E. and leave dense brush.
11.00 Begin steep rocky and very rough ascent.
14.00 Top of S. slope of twin peaks, 800 feet above last sec. corner; descend to saddle.

102/ 10.

Chs.	
36.00	Head of gulch, course E. and ascend.
37.00	As the point for 1/4 sec. cor. falls on the S. side of a sloping granite rock, at this point, on granite rock 6 x 4 x 2 ft. above ground, I mark a cross (x) and W.C. 1/4, W. of cross, for witness corner to the 1/4 sec. cor. bet. secs. 9 and 10, and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
40.00	Falls on S. side of sloping rock.
41.70	Top of Twin Peak; thence descend steep over rocks and boulders.
60.00	Enter draw course N.
62.00	Enter dense brush vourse N. E.
79.90	Date Creek and Congress Trail, runs N. W. and S. E.
80.00	Set a granite stone, 18 x 8 x 6 ins., 12 ins., in the ground for the corner to sections 3, 4, 9 and 10, marked with 3 grooves on the E. and 5 grooves on the S. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land mountainous, rolling and level. No timber. Soil 2nd, 3rd and 4th rate. Undergrowth, oak, tesotilla, catclaw, cactus and mesquite. Mountainous or land covered with dense undergrowth and exceptionally difficult to survey 80. chains. Nov. 15, 1906.

	Nov. 16- At the corner to secs. 3, 4, 9 and 10, at 9 hours, 3 mins., a. m., l. m. t., I set off 18° 36' S. on the decl. arc; 34° 14' N., on the Lat. arc and determine a meridian with the Solar; thence I run, N. 89° 57' E., on a random line, bet. secs. 3 and 10.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect the N. and S. line, at a point, 7 lks. N. of the corner to secs. 3, 4, 9 and 10. Thence I run, WEST, on a true line, bet. secs. 3 and 10. Over mountainous land. Along N. side of draw.
4.50	Begin steep ascent.
5.90	Top of high mass of boulders and descend.
14.50	Draw, 2.00 chas. wide, N. E. and enter dense brush.
22.00	Enter draw course S. E.
40.00	Set a granite rock, 18 x 10 x 6 ins., in a mound of stone, (impracticable to set in ground) for 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
47.85	Leave draw and ascend over rock and boulders. Very rough.
61.14	Top of low ridge, N. and S. and descend.
62.70	Foot; leave boulders and enter basin.
73.95	Leave basin and ascebd steep.
75.05	Low ridge runs N. and S. and descend.
78.00	Enter draw course N.
80.00	The corner to sections 3, 4, 9 and 10. Land mountainous and rolling in na places. Soil rocky 4th rate to worthless. Timber None. Brush, catclaw, mesquite, oak and tesotilla, some giant cactus. Mountainous or land covered with dense brush and exceptionally difficult to survey 80.00 chains. Nov. 16, th, 1906.

	Nov. 17th, 1906- At the corner to secs. 3, 4, 9 and 10 at 8 hours, 28 minutes, a. m., l. m. t., I set off 34° 14' N., on the Lat. arc; 18° 50' S., on the decl. arc and determine with the Solar, a meridian; thence I run, N. 0° 02' W., on a true line, bet. secs. 3 and 4. Over level land through dense catclaw brush.
7.00	Leave draw and dense catclaw brush and ascend steep slope.
11.50	Top; thence over tumbled masses of rocks and boulders,

- Chs.
40.00 Point for 1/4 sec. cor. ^{set} falls on a limestone rock, ^{18 x 8} ~~18 x 8~~ x 8 ft. above ground, marked ~~cross (x)~~ ^{cross (x)} for cor. point, and 1/4 W. of ^{on N. face} ~~cross~~, and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
- 41.50 Gulch, 70 lks. wide, course N. W.
- 48.50 Begin steep descent over granite terraces.
- 51.00 Gulch, 20 lks. wide, course N. W. enter dense brush
- 54.50 Enter nearly level land.
- 69.60 Wagon road N. W. and S. E.
- 70.00 Telegraph line course N. W. and S. E.
- 71.82 Middle of Single track of the Santa Fe Prescott and Phoenix R. R. bears N. W. and S. E.
- 72.80 Pipe line from Date Creek to Congress Mines N. W. and S. E.
- 76.45 Dry wash, 20 lks. wide, course N. W. Intersect the North Boundary of the Tp. at a point, 6.20 chs. W. of the corner to secs. 33 and 34, as heretofore-reestablished and described by me.
- Set a granite stone, 18 x 12 x 5 ins., 12 ins., in the ground for closing corner to secs. 3 and 4, marked with 3 grooves on the E. and W. faces and C. C. on the S. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, S. of the corner. Pits impracticable.
- Land mountainous and level.
Soil rocky- 2nd to 3rd rate and worthless.
No timber.
Brush, oak, mesquite, greasewood, and cactus.
Land mountainous or covered with dense brush and exceptionally difficult to survey 76.45 chains.
Nov. 17, 1906.

General Description.

The lines in this township surveyed by me, except those passing of Martinez Creek bottom is absolutely worthless, for any purposes except perhaps it may be mineralized to a limited extent.

The Coronado Mining Co', Camp is located in the N. part of Sec. 11.

House near 1/4 sec. cor. bet. secs. 2 and 11, belongs to this company.

The portion traversed by lines established by me, was exceptionally difficult to survey. Where the country was not precipitous, it was broken as if nature had tried her forces in this vicinity. Large masses of granite and volcanic Boulders, weighing many tons each were piled one upon another. Where the country had any semblance to being level and rolling it was covered with dense underbrush of catclaw and thorny mesquite.

No timber is found in the township, except a few cottonwoods and willows along Martinez Creek.

The township is generally covered with Giant Cactus many of which reach 35 to 40 ft. in height.

The Santa Fe Prescott and Phoenix R. R. traverses a portion of this Tp. This line is a branch of the Santa Fe, running South from Ash Fork, a junction on the Main line of the Santa Fe, Southerly to Prescott and Phoenix, Arizona.

The township is dry, except during the rainy season, when water is found in tanks and rocky basins.

Martinez creek, during the rainy season carries some water.

Philip Conyers

U. S. Deputy Surveyor.

Placed 1/4 cor. bet. sec. 3 & 4 67 1/2 W., and 138 1/2 S. of first 1/4 cor. set, which I destroyed. For the new 1/4 sec. cor. I set a limestone 18x8 in., 12 in. in the ground marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high, and destroyed the old cor., which was a stone in place.

I set the witness cor. for 1/4 sec. cor. bet. sec. 3 & 4 firmly in the ground. Said cor. evidently was knocked over by some cattle, or otherwise.

Moved cor. of sec. 1, 2, 3 & 36 on N. by 81 1/2 in. East to the original place, and rebuilt cor. as described in notes. Cor. was erroneously established by mound and at a temporary point set 81 1/2 W. of old cor.

The length of sections bet. sec. 1 & 2, 2 & 3 and 3 & 4 are as reported in my field notes.

I hereby certify to the above corrections.

U.S. Deputy Surveyor.

Subscribed and sworn to before me this _____ day of _____, 1907.

1907

Corrections T. 10 N., R. 6 W. Contract 138. Arizona.

Placed 1/4 cor. bet. secs. 3 & 4 67 lks. W., and 158 lks. S. of first 1/4 cor. set, which I destroyed. For the new 1/4 sec. cor. I set a limestone 18x18 ins., 12 ins. in the ground marked 1/4 on W. face, and raised a mound of stone 8 ft. base, 1-1/2 ft. high, and destroyed the old cor. which was a stone in place.

I set the witness cor. for 1/4 sec. cor. bet. secs. 2 & 3 firmly in the ground. Said cor. evidently was knocked over by some cattle, or otherwise.

Moved cor. of secs. 1, 2, 35 & 36 on N. by 61 lks East to the original place, and rebuilt cor. as described in notes. Cor. was erroneously established by mound man at a temporary point set 61 lks. W. of old cor.

The length of sec. lines bet. secs. 1 & 2, 2 & 3 and 3 & 4, are as reported in my field notes

I hereby certify to the above corrections.

May 31-1907

Philip Contzen
U.S. Deputy Surveyor.

I hereby certify that I assisted Philip Contzen, U.S. Deputy Surveyor, in the above corrections.

W. L. Marcy

Subscribed and sworn to before me this 26th day of July, 1907.

allan B. Jaynes,

CLERK U. S. DISTRICT COURT FOR
FIRST JUDICIAL DISTRICT, ARIZONA.

By Lorraine McMillan
Deputy Clerk.

For red ink corrections see deputy's letter dated

Nov 1, 1907.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

105.
(13)

BOOK 2049

LIST OF NAMES.

A list of the names of the individuals employed by Philip Contzen
....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the
subdivisional lines of T10N R6W.
showing the respective capacities in which they acted:

Harry Mallory , Chairman.

Wayne Ritter , Chairman.

Jean Mazarin , Moundman.

J. B. Milsap , Axman.

Frank W. Knutson , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Philip Contzen
....., United States Deputy Surveyor, in surveying all

those parts or portions of the subdivisional lines of T10N
R6W

..... of the Gila
Salt River Base meridian, Territory of Arizona, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for Arizona

Harry Mallory , Chairman.

Wayne Ritter , Chairman.

Jean Mazarin , Moundman.

J. B. Milsap , Moundman.

..... , Axman.

Frank W. Knutson , Flagman.

Subscribed and sworn to before me this 20th
day of November, 1906.



Philip Contzen
U.S. Deputy Surveyor
No notary available

106 (14) BOOK 2049

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Philip Contzen, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls, United States Surveyor General for Arizona, bearing date of the 12 day of April, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisional lines of T. 10 N. R. 6 W.

of the Gila & Salt River Base meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Philip Contzen
United States Deputy Surveyor.

Subscribed by said Philip Contzen, and sworn to before me
this 23rd day of March, 1907

W. H. Stebbins



Commissioner, First Judicial District,
Territory of Arizona, Residing at Phoenix

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix At July 15

The foregoing field notes of the survey of the subdivisional lines of T. 10 N. R. 6 W. and resurvey of a portion of the North ^{Base} divisional lines of T. 10 N. R. 6 W. of the Gila and Salt River Base and Meridian, in the Territory of Arizona

executed by Philip Contzen D.S.
under his contract No. 138, dated April 12, 1906, 190, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.