

1863.  
Book "E"  
FIELD NOTES BOOK 1863

OF THE SURVEY OF THE

SUBDIVISIONAL LINES

OF

T. 32 N., R. 10 E.

1863.

1863

Of the G. and S. R. B. & Meridian,

AS SURVEYED BY

Philip Contzen, United States Deputy Surveyor,

Under his Contract No. 124, dated Dec. 12th, 1904, 189

Survey commenced May 15th, 1905, 189

Survey completed May 23rd, 1905, 189

## NAMES AND DUTIES OF ASSISTANTS.

W. S. Kengle, chairman

Fred Taylor, chairman

Arthur Pogue, moundsman

Mamuel Salazar, axeman

G. A. Hawley, flagman

BOOK 1863

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PRELIMINARY OATHS OF ASSISTANTS.

WE, W. Skengla and Fred Pagles  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over 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. 32 N. R. 10 E

W. Skengla, Chainman.

Fred Pagles, Chainman.

Subscribed and sworn to before me this 20<sup>th</sup>  
day of March, 1895

W. G. Power



WE, Arthur Pogue and  
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. 32 N. R. 10 E

Arthur Pogue, Moundman.

....., Moundman.

Subscribed and sworn to before me this 20<sup>th</sup>  
day of March, 1895

W. G. Power



WE, Manuel Salazar  
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. 32 N. R. 10 E

Manuel Salazar, Axman.

....., Axman.

Subscribed and sworn to before me this 20<sup>th</sup>  
day of March, 1895

W. G. Power



I, George A. Hawley, 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. 32 N. R. 10 E

George A. Hawley, Flagman.

Subscribed and sworn to before me this 20<sup>th</sup>  
day of March, 1895

W. G. Power



y Arizona

27th 10

(1)

Subdivisional lines of T. 32 N., R. 10 E.

Chs.

Survey commenced May 15th, 1905, and executed with a Young and Son's Light Mountain Transit, No. 5607 with 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.

The instrument was examined, tested on the Meridian at Phoenix, Arizona, and duly approved by the Surveyor-General for Arizona.

I examine the adjustments of the transit, particularly the level and collimation adjustments and find them satisfactory. Then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m., and p. m. hours, with a meridian determined by an observation on Polaris, I proceed as follows-

At the corner of secs. 1, 2, 35 and 36 on the south boundary of the township as heretofore described by me, at 4 hours, 35 minutes, p. m., l. m. t., I set off  $36^{\circ} 08' N.$ , on the Lat. arc;  $18^{\circ} 54' N.$ , on the decl arc and determine a meridian with the Solar, and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the corner.

May 15th, 1905.

May 16th, 1905. At 3 hours, 47 minutes, a. m., l. m. t., I observe Polaris at Eastern 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 chs. N. of the corner.

At 6 hours, 22 minutes, a. m., l. m. t., I lay off the azimuth of Polaris,  $1^{\circ} 29'$  to the west and mark the meridian thus determined, by cutting a small groove in the stone set yesterday, on which the meridian falls 0.35 ins. east of the mark determined with the Solar.

At 7 hours, 32 minutes, a. m., l. m. t., I set off  $36^{\circ} 08' N.$  on the lat. arc;  $19^{\circ} 03' N.$ , on the decl arc and determine a meridian with the Solar, and mark the point thereof, by a cross on the stone already set 5 chs. N. of my station; this mark falls .22 ins., east of the meridian determined by the Polaris observation.

From the above results I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 a. m., properly corrected is  $14^{\circ} 28' E.$

From the corner to secs. 1, 2, 35 and 36 on the South Boundary of the Tp. I run, N.  $0^{\circ} 01' W.$ , bet. secs. 35 and 36. Over level land.

- 3.00 Ascend.
- 4.05 Top, bears N. W. and S. E. and descend.
- 5.00 Foot, and ascend.
- 8.50 Top of small mesa.
- 10.70 Descend.
- 12.50 Foot.
- 40.00 Set a limestone, 18 x 6 x 5 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 cor. Pits impracticable.
- 60.00 Ascend, vertical 250. ft.
- 63.92 Top, bears easterly and westerly and descend.
- 71.50 Top, thence along W. slope of mesa.
- 78.50 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to secs. 25, 26, 35 and 36, mkd.

chs.	W. C., with 1 notch on the E. and S. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
80.00	The point for the corner falls on brink of cliff where if a corner were established it would be liable to prompt destruction. Land rolling and mountainous. Soil, sandy, gravelly, rocky; 4th rate. No timber. Mountainous land, 29.00 chs. From cor. pt. ----- N. 89° 58' E., on a random line bet. secs. 25 and 36.
40.	Set temp. 1/4 sec. cor.
80.16	Intersect the E. boundary of the Tp. at 3 lks. S. of the corner to secs. 25, 30, 31 and 36, as heretofore described; thence I run, S. 89° 57' W., on a true line, bet. secs. 25 and 36.
40.08	Through sage brush, ascending over low sand ridges. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., N. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
41.00	Leave sage brush bears northerly and southerly and begin ascent over sandstone ledges.
45.00	Top of S. spur of ridge and descend.
60.00	Foot. Leave ledges; thence over hard gravelly mesa
Leave 1	through sage brush.
71.00	Leave sage brush.
80.16	The corner point of sections, 25, 26, 35 and 36. Land rolling mountainous and level. Soil sandy gravelly and rocky; 4th rate. No timber. Undergrowth sage and canotillo brush. ----- N. 0° 01' W., bet. secs. 25 and 26. From cor. pt. of secs. 25, 26, 35 and 36. Over mountainous land. Descending along E. bank of canon.
3.00	Old stone cabin bears about 10 chs. W.
5.80	Foot. Spring in gulch, running S. W. to canon. Begin steep ascent.
9.70	Top; thence over rising ground through sage brush.
35.00	Begin ascent over sand ridges.
40.00	Set a limestone, 20 x 6 x 6 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
80.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for the corner to secs. 23, 24, 25 and 26, marked with 2 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec., 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling and mountainous. Soil sandy and rocky; 4th rate. Mountainous or land covered with undergrowth, 80. chs. ----- N. 89° 57' E., on a random line, bet. secs. 24 and 25.
40.	Set temp. 1/4 sec. cor.
80.10	Intersect the E. boundary of the Tp. at 6 lks. N. of the cor. to secs. 19, 24, 25 and 30, as heretofore described; thence I run, WEST, on a true line, bet. secs. 24 and 25. Over rolling sand through sage brush.
30.00	Leave sage; thence over close and broken sandstone ridges.

Chs.  
40.05 Set a limestone, 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.

58.00 Leave sandstone and enter sage brush bears easterly and westerly.

80.10 The corner to secs. 23, 24, 25 and 26.  
Land rolling and mountainous.  
Soil sandy and rocky; 4th rate.  
No timber.  
Undergrowth sage brush.  
Mountainous or land covered with undergrowth; 80.10 chs.

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N. 0° 01' W., bet. sec. 23 and 24.  
Over sand ridges; through sage brush.

30.49 Road bears northwesterly and southeasterly.

40.00 Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

80.00 Set a limestone, 20 x 9 x 5 ins., 15 ins., in the ground for the cor. to secs. 13, 14, 23 and 24, marked with 3 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.  
Land rolling.  
Soil sandy and 4th rate.  
No timber.  
Undergrowth sage brush.

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EAST, on a random line, bet. secs. 13 and 24.

40. Set temp. 1/4 sec. cor.

80.00 Intersect the E. boundary of the Tp. 5 lks. N. of the corner to secs. 13, 18, 19 and 24, as heretofore described.  
Thence I run,  
N. 89° 58' W., on a true line, bet. secs. 13 and 24.  
Over rolling land through sage.

40.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.

80.00 The corner to secs. 13, 14, 23 and 24.  
Land rolling.  
Soil sandy and 4th rate.  
No timber; undergrowth sage brush.

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N. 0° 01' W., bet. secs. 13 and 14.  
Over rolling land through sage brush.

40.00 Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of stone, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

80.00 Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the corner to sections, 11, 12, 13 and 14, marked with 4 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.  
Land rolling.  
Soil sandy and 4th rate.  
No timber.  
Undergrowth sage brush.

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Subdivisional lines of Tp. 32 N., R. 10 E.

Continued.

Chs. S. 89° 58' E., on a random line, bet. secs. 12 and 13.  
 40.00 Set temp. 1/4 sec. cor.  
 79.98 Intersect the E. boundary of the Tp. 5 lks. S. of the corner to secs. 7, 12, 13 and 18, as heretofore described; thence I run, WEST, on a true line, bet. secs. 12 and 13. Over rolling land; through sage and canotillo brush.

39.99 Set a limestone, 19 x 7 x 4 1/2 ins., 13 ins., in the ground for the 1/4 Sec Cor. Marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., N. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.

79.98 The corner to secs. 11, 12, 13 and 14.  
 Land rolling.  
 Soil sandy and 4th rate.  
 No timber.  
 Undergrowth sage and canotillo brush.

---

N. 0° 01' W., bet. secs. 11 and 12.  
 Over rolling land.  
 Through sage brush.

35.00 Road bears easterly and westerly.  
 40.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

80.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 1, 2, 11 and 12., marked with 5 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec., 5 1/2 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.  
 Land rolling.  
 Soil sandy and 4th rate.  
 No timber.  
 Undergrowth; sage and canotillo brush.

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EAST, on a random line, bet. secs. 1 and 12.  
 40. Set temp. 1/4 sec. cor.  
 80.02 Intersect the E. boundary of the Tp. at the cor. to secs. 1, 6, 7 and 12, as heretofore described. Thence I run, WEST, on a true line, bet. secs. 1 and 12.

40.01 Set a limestone, 18 x 8 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.

80.02 The corner to secs. 1, 2, 11 and 12.  
 Land rolling.  
 Soil sandy and 4th rate.  
 No timber.  
 Undergrowth sage brush.

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N. 0° 01' W., on a true line bet. secs. 1 and 2.  
 Through sage brush.

40.00 Set a limestone, 18 x 6 x 5 1/2 in., 12 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.

79.97 Intersect the Eighth Standard Parallel North, at a point from which the Standard 1/4 sec. cor. to sec. 35, Tp. 32 N., R. 10 E., as heretofore described, brs. W. 13.96 chs. dist.  
 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for closing corner to secs. 1 and 2, mkd. C C on S, with 1 groove on the E. and 5 grooves on

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Subdivisional lines of T. 32 N., R. 10 E.  
(Continued).

Chs.	W. face, dig pits, 24 x 18 x 12 ins., crosswise on each line, E. and W. 3 ft. and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor. Land rolling. Soil sandy and 4th rate. No timber. Undergrowth; sage and canotillo brush. May 16th, 1905.
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	May 17, 1905- At the cor. to secs. 34 and 35, on the south boundary of the Tp. as heretofore described, at 7 hours, 32 minutes, a. m., 1. m. t., I set off 19° 17' N., on the decl arc; 36° 07' N. on the Lat. arc and determine a meridian with the Solar. Thence I run, N. 0° 01' W., bet, secs. 34 and 35. Over level land.
33.00	Ascend.
36.50	Top bears easterly and westerly.
37.80	Descend.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on th W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable.
40.30	Foot.
80.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for the cor. to secs. 26, 27, 34 and 35, marked with 1 notch on S. and 2 on E. edges; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable. Land rolling, level and mountainous. Soil sandy and rocky; 4th rate. No timber. Mountainous land 7.30 chs.
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40.	N. 89° 58' E., on a random line bet. secs. 26 and 35.
79.92	Set temp. 1/4 sec. cor. Intersect the N. and S. line, at 5 lks. S. of the cor. pt. to secs. 25, 26, 35 and 36; thence I run, S. 89° 56' W., on a true line, bet. secs. 26 and 35. From cor. pt. on edge of Canon over mts. land. Descend abruptly 150 ft.
3.00	Foot.
4.00	Indian corn patch.
4.70	Ascend and leave corn patch.
6.00	Top. Bears northerly and southerly. Indian wickiup bears 3 chs. N.
8.00	Wickiup brs. 4 chs. N.
10.50	Descend.
12.80	Foot.
15.00	Wickiup bears 5 chs. S.
28.00	Ascend.
30.00	Top of S. slope of spur of mesa and descend abruptly 200 ft.
39.00	Foot.
39.96	Set a limestone, 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 cor. Pits impracticable.
45.00	Ascend.
50.00	Top. Indian cornfield brs. about 10 chs. N. and descend gradually over sand ridges.
60.00	Wickiup brs. N. 15° E., about 20 chs. dist.
79.92	The corner to secs. 26, 27, 34 and 35. Land rolling, level and mountainous. Soil sandy and rocky; 2nd & 4th rate. No timber.

Chs.	N. 0° 01' W., bet. secs. 26 and 27. Over rolling land.
40.00	Set a limestone, 18 x 7 x 5 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.
45.90	Spring branch, 10 lks. wide, course S. W. and enter heavy sage brush.
80.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for the cor. to secs. 22, 23, 26 and 27, marked with 2 notches on the S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy and 4th rate. No timber. Undergrowth sage 34.10 chs.
40.	N. 89° 56' E. on a random line bet. secs. 23 and 26. Set temp. 1/4 sec. cor.
79.90	Intersect the N. and S. line at the cor. to secs. 23, 24, 25 and 26, thence I run, S. 89° 56' W., on a true line, bet. secs. 23 and 26. Over gently rolling land. Through dense sage and canotillo brush.
39.95	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.
79.90	The cor. to secs. 22, 23, 26 and 27. Land gently rolling. Soil sandy and 3rd rate. No timber; undergrowth sage and canotillo brush.
20.00	N. 0° 01' W., bet. secs. 22 and 23. Over rolling land through sage brush.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
80.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to secs. 14, 15, 22 and 23, marked with 3 notches on the S. and 2 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base 2 ft. high, W. of the corner. Land gently rolling. Soil sandy and 3rd rate. No timber. Undergrowth sage and canotillo 80. chs.
40.	N. 89° 56' E. on a random line, bet. secs. 14 and 23. Set temp. 1/4 sec. cor.
79.88	Intersect the N. and S. line, at 3 lks. N. of the corner of secs. 13, 14, 23 and 24. Thence I run, S. 89° 57' W., on a true line bet. secs. 14 and 23. Over gently rolling land through sage brush.
39.94	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner. Land rolling. Soil sandy and 4th rate. No timber.
79.88	The cor. to secs. 14, 15, 22 and 23.
79.96	

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## Subdivisions of T. 32 N., R. 10 E.

- Chs. N.  $0^{\circ} 01'$  W., bet. secs. 14 and 15.  
Over rolling land; through sage brush.
- 40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for  $1/4$  sec. cor. marked  $1/4$  on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth,  $3\ 1/2$  ft. base,  $1\ 1/2$  ft. high, W. of the corner.
- 80.00 Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the corner to secs. 10, 11, 14 and 15, marked with 4 notches on the S. and 2 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec.  $5\ 1/2$  ft. dist. and raise a mound of earth,  $3\ 1/2$  ft. base,  $1\ 1/2$  ft. high, W. of the corner.  
Land rolling.  
Soil sandy; 4th rate.  
No timber; undergrowth sage brush 80. chs.
- 
40. N.  $89^{\circ} 57'$  E., on a random line, bet. secs. 11 and 14.  
Set temp.  $1/4$  sec. cor.
- 79.96 Intersect the N. and S. line, 9 lks. N. of the corner to secs. 11, 12, 13 and 14.  
Thence I run,  
N.  $89^{\circ} 59'$  W., on a true line, bet. secs. 11 and 14.  
Over rolling land.
- 39.98 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for  $1/4$  sec. cor. marked  $1/4$  on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth,  $3\ 1/2$  ft. base,  $1\ 1/2$  ft. high, N. of the corner.
- 79.96 The corner to secs. 10, 11, 14 and 15.  
Land rolling.  
Soil sandy and 4th rate.  
No timber. May 17th, 1905.
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- May 18th, 1905. At the corner to sections 10, 11, 14, and 15, at 7 hours, 31 minutes, a. m., l. m. t., I set off  $19^{\circ} 30'$  N., on the decl. arc;  $36^{\circ} 11'$  N., on the lat. arc and determine a meridian with the Solar; thence I run,  
N.  $0^{\circ} 01'$  W., on a true line, bet. secs. 10 and 11.  
Over rolling land.  
Through sage brush.
- 40.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for  $1/4$  sec. cor. marked  $1/4$  on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth,  $3\ 1/2$  ft. base,  $1\ 1/2$  ft. high, W. of the cor.
- 80.00 Set a limestone, 18 x 8 x  $4\ 1/2$  ins., 12 ins., in the ground for the corner to secs. 2, 3, 10 and 11, marked with 5 notches on the S. and 2 notches on the E. edges; and raise a mound of stones, 2 ft. base,  $1\ 1/2$  ft. high, W. of the cor. Pits impracticable.  
Land gently rolling.  
Soil sandy and rocky; 3rd and 4th rate.  
No timber; undergrowth sage.
- 
40. S.  $89^{\circ} 59'$  E., on a random line bet. secs. 2 and 11.  
Set temp.  $1/4$  sec. cor.
- 80.02 Intersect N. and S. line, 6 lks. S. of the cor. to secs. 1, 2, 11 and 12; thence I run,  
S.  $89^{\circ} 58'$  W., on a true line bet. secs. 2 and 11.  
Over rolling land.  
Through sage brush.
- 40.01 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for  $1/4$  sec. cor. marked  $1/4$  on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth,  $3\ 1/2$  ft. base,  $1\ 1/2$  ft. high, W. of the corner.

Chs. 54.23 80.02	Road, bears northerly and southerly. The corner to sections 2, 3, 10 and 11. Land rolling. Soil sandy and rocky; 4th rate. No timber; undergrowth sage brush.
	----- N. 0° 01' W., on a true line, bet. secs. 2 and 3. Over rolling land, through sage brush.
8.60 40.00	Road bears northwesterly and southeasterly. Set a limestone, 18 x 6 x <del>3 1/2</del> 12 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.
<del>54.23</del> 79.94	<del>Road bears northerly and southerly. (Old.)</del> Intersect the Eighth Standard Parallel North, at a point from which the standard 1/4 cor. of secs. 34, T. 33 N., R. 10 E., brs. W. 19.00 chs. dist. Set a limestone, 20 x 6 x 5 ins., 15 ins., in the ground for closing corner to secs. 2 and 3, marked C C, T 33 N R 10 E on S, with 2 grooves on E. and 4 grooves on the W. faces; dig pits, 24 x 18 x 12 ins., crosswise on each line E. and W. 3 ft. and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor. Land rolling. Soil sandy and 4th rate. No timber; undergrowth sage.
	----- From the cor. to secs. 3, 4, 33 and 34 on the S. boundary of the Tp., as heretofore described. I run, N. 0° 02' W., bet. secs. 33 and 34. Over rolling land.
6.00 15.35 40.00	Dry wash, 45 lks. wide, course S. westerly. Road, bears northwesterly and southeasterly. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
80.00	Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the ground for the cor. to secs. 27, 28, 33 and 34, marked with 1 notch on the S. and 3 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy and 4th rate. No timber.
	----- N. 89° 58' E., on a random line bet. secs. 27 and 34. Set temp. 1/4 sec. cor. Intersect N. and S. line, 12 lks. N. of the cor. to secs. 26, 27, 34 and 35. Thence I run, N. 89° 57' W., on a true line, bet. secs. 27 and 34. Over mountainous land. Ascending.
7.75 8.00 28.50 30.50 31.00	Top, bears northerly and southerly and descend. Foot. Dry wash, 25 lks. wide, course S. W. and ascend. Top and descend. Foot, and enter dense sage, brs. northerly and southerly.
40.025	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face;

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Subdivisional lines of T. 32 N., R. 10 E.  
(Continued).

Chs. dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.

60.00 Leave sage brush bears northerly and southerly.

80.05 The cor. to secs. 27, 28, 33 and 34.  
Land gently rolling and mountainous.  
Soil, sandy and rocky; 4th rate.  
No timber.  
Undergrowth sage. Mts. or land covered with undergrowth 39.

NOTE- At 12 O'Clock noon, at this corner I set off 19° 32' N., on the decl. arc and observe the Sun on the meridian the resulting latitude is 36° 08' N.

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N. 0° 02' W., bet. secs. 27 and 28.  
Over rolling land.

40.00 Set a limestone, 24 x 6 x 5 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., E. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

80.00 Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the corner to sections, 21, 22, 27 and 28, marked with 2 notches on the S. and 3 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist. and raise a mound of earth, 3 ft. base, 2 ft. high, W. of the corner.  
Land rolling.  
Soil sandy and 4th rate.  
No timber. May 18th, 1905.

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May 19th, 1905- At the previously described corner at 8 hours, 4 minutes, a. m., 1. m. t., I set off 19° 43 1/2' N., on the decl. arc; 36° 10' N. on the lat. arc and determine a meridian with the Solar; thence I run,  
S. 89° 57' E., on a random line, bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

79.94 Intersect the N. and S. line, at the cor. to secs. 22, 23, 26 and 27; thence I run,  
N. 89° 57' W., on a true line, bet. secs. 22 and 27.  
Over gently rolling land through sage brush.

5.40 Begin steep descent.

15.00 Foot, bears northerly and southerly.

20.00 Ascend.

21.40 Top, bears northerly and southerly and descend.

24.00 Foot, and ascend.

28.00 Top, bears northeasterly and southwesterly.

35.25 Descend.

39.96 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.

46.50 Foot, and road bears northeasterly and southwesterly.  
Ascend.

50.35 Spring brs. 1.50 chs. S.

53.52 Top of cliff, 25 ft. high, bears N. E. and S. W.

54.60 Stone house brs. 50 lks. N.

60.40 Begin steep descent.

65.00 Begin gradual descent.

79.94 The cor. to secs. 21, 22, 27 and 28.  
Land mountainous, level and rolling.  
Soil, sandy and 4th rate.  
No timber; undergrowth sage brush.  
Mts. land or land covered with undergrowth 79.94 chs.

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N. 0° 02' W., bet. secs. 21 and 22.

	Over rolling land.
Chs.	Wire fence bears easterly and westerly.
6.00	Enter orchard.
10.00	Leave orchard.
13.00	Wire fence bears N. E. and S. W.
16.94	Begin nearly vertical ascent 200 ft.
23.00	Top bears N. W. and S. E.
28.00	Along broken edge of mesa.
37.00	Descend steeply.
40.00	Set a limestone, 18 x 7 x 5 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 cor. Pits impracticable.
43.00	Foot, spring branch, 10 lk. wide, course S. W. and ascend.
45.00	Ascend vertical 40 ft; thence over level land.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 15, 16, 21 and 22, marked, T 32-N on the N E R 10 E on the S E., with 3 notches, on the S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 2 ft. high, W. of the cor. Land rolling and mountainous. Soil sandy and rocky; 2nd and 4th rate. No timber. Mts. land 22.00 chs.
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	N. 89° 57' E., on a random line bet. secs. 15 and 22.
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect the N. and S. line, 3 lks. S. of the cor. to secs. 14, 15, 22 and 23, thence I run, N. 89° 58' W., on a true line, bet. secs. 15 and 22.
39.98	Over rolling land through sage and canotillo brush.
	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.
79.96	The cor. to secs. 15, 16, 21 and 22. Land rolling. Soil sandy and rocky; 4th rate. No timber; undergrowth, sage and canotillo 79.96 chs.
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	N. 0° 02' W., bet. secs. 15 and 16.
30.00	Over rolling sandstone. Leave sandstone and enter sage brush bears easterly and westerly.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
80.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to sections, 9, 10, 15 and 16, marked with 4 notches on the S. and 3 notches on E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy and rocky; 4th rate. No timber.
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	S. 89° 58' E., on a random line, bet. secs. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
80.02	Intersect the N. and S. line, at the cor. to secs. 10, 11, 14, and 15; thence I run,

(10)<sup>1/2</sup>

## Subdivisions of T. 32 N., R. 10 E.

(Continued)

- Chs. N. 89° 58' W., on a true line bet. secs. 10 and 15.  
Over rolling sand through sage brush.
- 40.01 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the  
ground for 1/4 sec. cor. marked 1/4 on the N. face;  
dig pits, 18 x 18 x 12 ins., E. and W. stone, 3 ft.  
dist. and raise a mound of earth, 3 1/2 ft. base,  
1 1/2 ft. high, N. of the corner.
- 80.02 The corner to secs. 9, 10, 15 and 16.  
Land rolling.  
Soil sandy and 4th rate.  
No timber; undergrowth sage 80.02 chs.
- 
- N. 0° 02' W., bet. secs. 9 and 10.  
Over rolling land.
- 30.00 Well, brs. 30 lks. W.
- 40.00 Set a limestone, 20 x 8 x 5 ins., 15 ins., in the  
ground for 1/4 sec. cor. marked 1/4 on the W. face;  
dig pits, 18 x 18 x 12 ins., N. and S. of stone,  
3 ft. dist. and raise a mound of earth, 3 1/2 ft.  
base, 1 1/2 ft. high, W. of the corner.
- 57.90 Road bears northeasterly and southwesterly.
- 80.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the  
ground for the corner to secs. 3, 4, 9 and 10, mkd.  
with 5 notches on the S. and 3 notches on the E.  
edges; dig pits, 18 x 18 x 12 ins., in each sec. 5  
1/2 ft. dist. and raise a mound of earth, 4 ft. base,  
2 ft. high, W. of the corner.  
Land rolling.  
Soil sandy and 4th rate.  
No timber.  
Undergrowth sage brush; 80. chs.
- 
- S. 89° 58' W., on a random line, bet. secs. 3 and 10.  
Set temp. 1/4 sec. cor.
- 40.00 Intersect the N. and S. line, at 10 lks. S. of the  
corner to secs. 2, 3, 10 and 11; thence I run,  
79.94 S. 89° 58' W., on a true line bet. secs. 3 and 10.  
Over rolling land through sage brush.
- 39.97 Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in  
the ground for 1/4 sec. cor. marked 1/4 on the N.  
face; dig pits, 18 x 18 x 12 ins., E. and W. of  
stone, 3 ft. dist. and raise a mound of earth, 3 1/2  
ft. base, 1 1/2 ft. high, N. of the cor.
- 79.94 The corner to secs. 3, 4, 9 and 10.  
Land rolling.  
Soil sandy and 4th rate.  
No timber; undergrowth sage; 79.94 chs.
- 
- N. 0° 02' W., on a true line bet. secs. 3 and 4.  
Over rolling land through sage brush.
- 40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the  
ground for 1/4 sec. cor. marked 1/4 on the W. face;  
dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3  
ft. dist. and raise a mound of earth, 3 1/2 ft. base,  
1 1/2 ft. high, W. of the cor.
- 79.96 Intersect the 8th. Standard Parallel North, at a  
pt. from which the stand. 1/4 sec. cor. to sec. 33,  
Tp. 33 N., R. 10 E., as heretofore described; brs.  
W. 18.96 chs. dist.  
Set a limestone, 18 x 7 x 5 ins., 12 ins., in  
the ground for closing corner to secs. 3 and 4,  
mkd.
- C C T 32 N R 10 E on the S, with 3 grooves on  
the E. and W. faces; dig pits, 24 x 18 x 12 ins.,  
crosswise on each line, E. and W. 3 ft. dist. and S.  
of stones, 7 ft. dist. and raise a mound of earth,  
4 ft. base, 2 ft. high, S. of the cor.  
Land rolling. Soil sandy and rocky; 4th rate.  
No timber; undergrowth sage 79.96 chs. May 19, 1905.

Chs. May 20th, 1905- At the cor. to secs. 4, 5, 32 and 33, on the South Boundary of the Tp. at 7 hours, 37 minutes, a. m., l. m. t. I set off  $36^{\circ} 08' N.$ , on the lat. arc;  $19^{\circ} 56' N.$ , on the decl. arc and determine a meridian with the Solar; thence I run,  $N. 0^{\circ} 03' W.$ , bet. secs. 32 and 33. Over mountainous land ascending over sandstone boulders.

40.00 Set a limestone, 18 x 6 x 5 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 cor. Pits impracticable.

74.15 Road bears N. W. and S. E.

80.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to secs. 28, 29, 32 and 33, marked with 1 notch on the S. and 4 notches on the edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land mts. Soil sandy and rocky; 4th rate. No timber. Mts. land; 80. chs.

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40.00  $N. 89^{\circ} 58' E.$ , on a random line, bet. secs. 28 and 33. Set temp. 1/4 sec. cor.

80.04 Intersect N. and S. line, 11 lks. N. of the cor. to secs. 27, 28, 32 and 34; thence I run  $N. 89^{\circ} 57' W.$ , on a true line, bet. secs. 28 and 33. Over mts. land ascending over rough and rocky ledges.

40.02 Set a limestone, 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 cor. Pits impracticable.

66.11 Road bears N. W. and S. E.

80.04 The cor. to secs. 28, 29, 32 and 33. Land mountainous. Soil sandy and rocky; 4th rate. No timber. Mts. land 80.04 chs.

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39.00  $N. 0^{\circ} 03' W.$ , bet. secs. 28 and 29. Over rolling land. Dry wash, 25 lks. wide, course westerly.

40.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.

49.74 Road bears N. W. and S. E.

62.73 Road bears N. W. and S. E.

69.40 Wire fence bears E. and W.

77.02 Wire fence bears E. and W.

80.00 Set a limestone, 20 x 9 x 5 ins., 15 ins., in the ground for the cor. to secs. 20, 21, 28 and 29, marked with 2 notches on the S. and 4 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor. Land rolling. Soil sandy and rocky; 4th rate. No timber.

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40.  $S. 89^{\circ} 57' E.$ , on a random line, bet. secs. 21 and 28. Set temp. 1/4 sec. cor.

80.00 Intersect the N. and S. line, 8 lks. S. of the cor. to secs. 21, 22, 27 and 28; thence I run, WEST, on a true line, bet. secs. 21 and 28. Over gently rolling land through sage brush.

(12)

Subdivisional lines of T 32 N R. 10 E.

(Continued)

Chs.	
4.50	Indian hut bears 1.20 chs. N.
4.90	Indian hut, 1 ch. N.
5.80	Indian hut, brs. 40 lks. S.
7.26	Rail fence bears N. and S.
8.40	Navajo Mission bears 1.50 chs. S. and descend.
11.20	Foot, reservoir, 1 ch. wide.
11.70	Wire fence brs. N. and S.
	Log cabin brs. 2.50 chs. N. Enter corn field.
21.00	Leave corn field.
24.22	Wire fence bears N. E. and S. W.
32.92	Rail fence bears N. E. and S. W. and descend.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., N. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.
43.00	Foot, branch 10 lks. wide, course S. W.
43.94	Wire fence bears N. W. and S. E.
49.30	Ascend.
51.30	Top, descend.
52.20	Foot.
69.87	Wire fence bears N. and S. and enter cornfield.
79.00	Leave corn field.
80.00	Go corner to secs. 20, 21, 28 and 29.
	Land rolling and level.
	Soil sandy and rocky; 2nd and 4th rate.
	No timber.
	Undergrowth sage brush 11.70 chs.
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	N. 0° 03' W., bet. secs. 20 and 21.
	Over gradually rising ground through sage brush.
7.00	Leave sage brush bears N. and W. and enter corn field.
11.80	Irrigating ditch, 8 lks. wide, course westerly.
14.50	Leave corn field and re-enter sage brush, brs. E. and W.
17.00	Old corral brs. 2 chs. E.
20.00	Leave sage and enter dense willows.
21.00	Adobe house brs. 1.50 chs. W.
22.00	Wire fence bears E. and W., & enter Moenava Canon.
22.25	Road to Tuba city brs. E. and W. and leave dense willows.
28.50	L. Howards house brs. 2 chs. W.
29.20	Wire fence bears E. and W.
29.25	Row of Lombardy Poplars brs. E. and W.
29.70	Lañé, brs. E. and W. Corral brs. 3 chs. W.
30.18	Wire fence brs. E. and W. and enter peach orchard.
36.49	Wire fence bears E. and W. and leave orchard.
36.75	Pond 70 lks. wide.
37.61	Wire fence brs. E. and W. and enter garden.
40.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
41.54	Wire fence brs. E. and W. leave garden and enter sage brush.
42.00	Begin gradual ascent.
49.00	Leave sage brs. N. E. and S. W.
53.00	Leave canon and begin steep ascent of W. bank over sandstone boulders.
62.00	Top of mesa brs. N. E. and S. W.; thence ascend through sage and canotillo brush.
80.00	Set a limestone, 24 x 10 x 7 ins., 18 ins., in the ground for the corner to secs. 16, 17, 20 and 21. mkd. with 3 notches on the S. and 4 notches on the E. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits Impact.

95

Chs. Land gently rolling, mountainous and level.  
Soil sandy and rocky; 2nd and 4th rate.  
Timber, cottonwoods and poplars in canon.  
Undergrowth sage and willow.  
Mountainous or land covered with undergrowth; 60 chs.

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40. EAST, on a random line, bet. secs. 16 and 21.  
80. Set temp. 1/4 sec. cor.  
Intersect the N. and S. line, 5 lks. S. of the cor.  
to secs. 15, 16, 21 and 22; thence I run,  
S. 89° 58' W., on a true line, bet. secs. 16 and 21.  
Over rolling land through sage and canotillo brush.  
40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the  
ground for 1/4 sec. cor. marked 1/4 on the N. face;  
dig pits, 18 x 18 x 12 ins., E. and W. of stone,  
3ft. dist. and raise a mound of earth, 3 1/2 ft. hig  
base, 1 1/2 ft. high, N. of the cor.  
64.20 Leave undergrowth and descend abruptly, 100 ft., and  
enter Moenava Canon, brs. southwesterly.  
69.20 Leave canon, and ascend vertically 100 ft. and re-enter  
undergrowth brs. N. E. and S. W.  
80.00 The cor. to secs. 16, 17, 20 and 21.  
Land rolling and mountainous.  
Soil sandy and rocky; 4th rate.  
No timber; undergrowth sage and canotillo brush.  
Mts. land or land covered with undergrowth, 80. chs.

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40.00 N. 0° 03' W., bet. secs. 16 and 17.  
Over rolling land through sage and canotillo brush.  
Set a limestone, 18 x 7 x 5 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 cor.  
Pits impracticable.  
80.00 Set a limestone, 20 x 7 x 5 ins., 15 ins., in the  
ground for the corner to secs. 8, 9, 16 and 17, mkd.  
with 4 notches on the S. and E. edges; dig pits,  
18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and  
raise a mound of earth, 4 ft. base, 2 ft. high, W.  
of the corner.  
Land rolling.  
Soil sandy and gravelly 2nd and 4th rate.  
No timber; undergrowth sage and canotillo, 80. chs.  
May 20, 1905.

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40.00 May 21st, 1905. At the cor. just previously descri-  
bed, at 7 hours, 2 minutes a. m., 1. m. t. I set off  
20° 09' N., on the Decl arc; 36° 11' N., on the  
Lat arc and determine a meridian with the Solar.  
Thence I run,  
80.00 N. 89° 58' E., on a random line, bet. secs. 9 and 16.  
Set temp. 1/4 sec. cor.  
Intersect N. and S. line, 5 lks. S. of the cor. to  
secs. 9, 10, 15 and 16; thence I run,  
S. 89° 56' W., on a true line bet. secs. 9 and 16.  
Over rolling land through sage and canotillo.  
40.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the  
ground for 1/4 sec. cor. marked 1/4 on the N. face;  
dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3  
ft. dist. and raise a mound of earth, 3 1/2 ft. base,  
1 1/2 ft. high, N. of the corner.  
80.00 The corner to secs. 8, 9, 16 and 17.  
Land rolling.  
Soil sandy and 4th rate.  
No timber; undergrowth sage and canotillo, 80. cs.

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N. 0° 03' W., bet. secs. 8 and 9.  
Over gently rolling land through sage and canotillo.

(14)

Subdivisional lines of T. 32 N R 10 E.

(Continued).

Chs.	
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
80.00	Set a limestone, 19 x 7 x 5 ins., 15 ins., in the ground for the corner to secs. 4, 5, 8 and 9, mkd. with 5 notches on the S. and 4 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy and 4th rate. No timber, undergrowth sage and canotillo, 80 chs.
40.00	N. 89° 56' E., on a random line, bet. secs. 4 and 9. Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line, 10 lks. S. of the cor. to secs. 3, 4, 9 and 10, thence I run, S. 89° 52' W., on a true line, bet. secs. 4 and 9. Over rolling sand through sage and canotillo.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
80.00	The corner to secs. 4, 5, 8 and 9. Land rolling. Soil sandy and 4th rate. No timber. Undergrowth sage and canotillo, 80 chs.
40.00	N. 0° 03' W., on a true line, bet. secs. 4 and 5. Over rolling sand through sage and canotillo brush. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
80.20	Intersect the 8th Standard Parallel N., at a pt. from which the Standard 1/4 sec. cor. to sec. 32, T. 33 N R 10 E brs. W. 19.00 chs. dist. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for closing corner to secs. 4 and 5, mkd. C C T 32 N R 10 E on the S. with 4 grooves on the E. and 2 grooves on the W. faces; dig pits, 24 x 18 x 12 ins., crosswise on each line, E. and W. 3 ft. dist. and S. of stone, 7 ft. dist. and raise a md. of earth, 4 ft. base, 2 ft. high, S. of the corner. Land rolling. Soil sandy and 4th rate. No timber. Undergrowth, sage and canotillo, 80.20 chs. May 21st. 1905.
5.00	May 22nd, 1905, at the corner to secs. 31 and 32 on the South Boundary of the Tp, as heretofore described, at 7 hours, 5 minutes, a. m., l. m. t., I set off 20° 21' N., on the decl. arc; 36° 7' N., on the lat. arc and determine a meridian with the Solar.
14.00	Thence I run, N. 0° 03' W., bet. sec. 31 and 32.
22.00	Over rolling land.
26.30	Dry wash, 90 lks. wide, course westerly and ascend.
27.00	Top of ridge brs. easterly and westerly and descend.
40.00	Descend steeper. Foot. Ascend. Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the

Chs.	ground for 1/4 sec. cor. 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 impracticable.
68.00	Top bears easterly and westerly and descend.
78.00	Foot.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to sections 29, 30, 31 and 32, mkd. with 1 notch on the S. and 5 notches on the E. edges; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
	Land mountainous.
	Soil sandy and rocky; 4th rate.
	No timber.
	Mts. land 80. chs.
	-----
	N. 89° 58' E., on a random line bet. secs. 29 and 32.
40.	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line, 5 lks. S. of the cor. to secs. 28, 29, 32 and 33.; thence I run, S. 89° 56' W., on a true line, bet. secs. 29 and 32.
	Over rolling land.
6.65	Road brs. northwesterly and southeasterly.
8.40	Dry wash, 2 chs. wide, course southwesterly.
40.02	Set a limestone, 18 x 7 x 4 1/2 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 cor. Pits impracticable.
80.04	The cor. to secs. 29, 30, 31 and 32.
	Land rolling.
	Soil sandy and rocky; 4th rate.
	No timber.
	-----
	E. 89° 58' W., on a random line, bet. secs. 30 and 31.
40.	Set temp. 1/4 sec. cor.
78.35	Intersect the W. boundary of the sp. 5 lks. S. of the corner to secs. 25, 30, 31 and 36, as heretofore described.
	Thence I run, EAST, on a true line, bet. secs. 30 and 31.
	Ascending over sandstone ledges.
35.00	Top, bears northeasterly and southwesterly and descend.
38.35	Set a limestone, 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.
45.80	Foot and descend over sandstone ledges.
66.50	Dry wash, 75 lks. wide, course S. E. and ascend.
68.00	Top bears N. and S. and descend.
78.00	Foot and ascend.
78.35	The cor. to secs. 29, 30, 31 and 32.
	Land mountainous.
	Soil sandy and rocky; 4th rate.
	No timber.
	Mts. land 78.35 chs.
	-----
	N. 0° 03' W., bet. secs. 29 and 30.
	Over gently rolling land.
10.00	Dry wash, 1 chain wide, course southwesterly.
26.00	Ascend.
33.00	Top bears easterly and westerly and begin steep descent.
37.00	Descend abruptly; 40 ft.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
76.00	Road, brs. northwesterly and southeasterly.

(16)

Subdivisional lines of T 32 N R 10 E.  
(Continued).

Chs. 80.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to secs. 19, 20, 29 and 30, mkd. with 2 notches on the S. and 5 notches on the E. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land rolling and mountainous. Soil sandy and 4th rate. No timber. Mts. land 11.00 chs.
40.00	N. 89° 56' E., on a random line, bet. secs. 20 and 29.
80.00	Set temp. 1/4 sec. cor. Intersect the N. and S. line, 10 lks. N. of the corner to secs. 20, 21, 28 and 29 thence I run, WEST, on a true line bet. secs. 20 and 29. Over rolling land through sage brush. Road bears northerly and southerly.
3.34	Enter corn patch.
4.50	Leave corn patch.
5.30	Wire fence bears northerly and southerly.
12.92	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
40.00	Road bears northerly and southerly.
71.90	The corner to secs. 19, 20, 29 and 30, Land rolling. Soil sandy and rocky; 2nd and 4th rate. No timber. Undergrowth; sage brush, 40. chs.
80.00	WEST, on a random line, bet. secs. 19 and 30.
40.00	Set temp. 1/4 sec. cor.
78.30	Intersect the W. boundary of the Tp. 7 lks. S. of the cor. to secs. 19, 24, 25 and 30, as heretofore described; thence I run, S. 89° 57' E., on a true line bet. secs. 19 and 30. Over rolling and broken land.
38.30	Set a limestone, 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 stone, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
69.50	Road bears northwesterly and southeasterly.
78.30	The corner to secs. 19, 20, 29 and 30. Land rolling and broken. Soil sandy and rocky; 4th rate. No timber.
	N. 0° 03' W., bet. secs. 19 and 20. Over rolling land.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
66.00	Enter sage bears easterly and westerly.
80.00	Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the corner to secs. 17, 18, 19 and 20, mkd. with 3 notches on the S. and 5 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy and 4th rate.

	<p>Chs. No timber. Undergrowth sage. <span style="float: right;">May 22nd. 1905.</span></p> <hr/> <p>May 23rd, 1905. At the cor. to secs. 17, 18, 19 and 20, at 7 a. m. l. m. t. I set off <math>36^{\circ} 10' N.</math>, on the lat. arc; <math>20^{\circ} 32' 1/2'' N.</math>, on the decl arc and determine a meridian with the Solar; thence I run, EAST, on a random line, bet. secs. 17 and 20.</p>
40.00	Set temp. $1/4$ sec. cor.
80.04	Intersect the N. and S. line, 12 lks. N. of the cor. to secs. 16, 17, 20 and 21. Thence I run, N. $89^{\circ} 55' W.$ , on a true line, bet. secs. 17 and 20. Over rolling land through sage and canotillo brush.
40.02	Set a limestone, 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.
42.00	Begin steep descent over sandstone cliffs.
69.00	Foot, spring on line.
75.30	Indian hut brs. 1 ch. S.
<del>40.04</del> 80.04	The cor. to secs. 17, 18, 19 and 20. Land rolling and mountainous. Soil sandy and rocky; 4th rate. No timber. Undergrowth sage and canotillo. Mts. or land covered with undergrowth 67.00 chs.
	<hr/>
40.	N. $89^{\circ} 57' W.$ , on a random line, bet. secs. 18 and 19.
78.25	Set temp. $1/4$ sec. cor. Intersect the W. boundary of the Tp. 8 lks. N. of the corner to secs. 13, 18, 19 and 24, as heretofore described. Thence I run, EAST, on a true line bet. secs. 18 and 19. Over gently rolling land.
38.25	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for $1/4$ sec. cor. marked $1/4$ on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, $3 1/2$ ft. base, $1 1/2$ ft. high, N. of the cor. Road brs. northerly and southerly.
50.00	Road brs. N. W. and S. E.
60.00	Indian hut brs. about 8 chs. N.
78.25	The corner to secs. 17, 18, 19 and 20. Land rolling. Soil sandy and 4th rate. No timber.
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35.00	N. $0^{\circ} 03' W.$ , bet. secs. 17 and 18. Over mountainous land ascending over rocky ridges. Ascend vertical, 40 ft. thence along broken edge of mesa.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for $1/4$ sec. cor. marked $1/4$ on the W. face; and raise a mound of stone, 2 ft. base, $1 1/2$ ft. high, W. of the cor. Pits impracticable.
56.00	Enter gently rolling land and sage brush brs. easterly and westerly.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 7, 8, 17 and 18, mkd. with 4 notches on the S. and 5 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. $5 1/2$ ft. dist. and raise a mound of earth, 4 ft. base 2 ft. high, W. of the corner. Land mountainous and rolling. Soil sandy and rocky; 4th rate. No timber. Undergrowth sage and canotillo.

(18)

Subdivisional lines of T 32 N R 10 E.  
(Continued)

- Chs. S. 89° 55' E., on a random line, bet. secs. 8 and 17.  
40. Set temp. 1/4 sec. cor.  
80.06 Intersect the N. and S. line, at the cor. to secs. 8, 9, 16 and 17, thence I run, N. 89° 55' W., on a true line bet. secs. 8 and 17. Over rolling land through sage brush.
- 40.03 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
- 80.06 The cor. of secs. 7, 8, 17 and 18.  
Land rolling.  
Soil sandy and rocky; 4th rate.  
No timber; undergrowth; sage.
- 
- 40.00 WEST, on a random line, bet. secs. 7 and 18.  
Set temp. 1/4 sec. cor.  
78.20 Intersect the WEST Boundary of the Tp. 10 lks. N. of the cor. to secs. 7, 12, 13 and 18, as heretofore described.  
Thence I run, N. 89° 56' E., on a true line, bet. secs. 7 and 18. Over sharply rolling land.
- 11.70 Begin steep ascent.  
14.60 Spring branch, 8 lks. wide, course southerly.  
38.20 Set a limestone, 18 x 7 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.
- 78.20 The cor. to secs. 7, 8, 17 and 18.  
Land mountainous and rolling.  
Soil sandy and rocky; 4th rate.  
No timber.  
Mountainous land 66.50 chs.
- 
- 40.00 N. 0° 03' W., bet. secs. 7 and 8.  
Over rolling sand; through dense sage and canotillo.  
On a blanket ledge of sandstone, Set a limestone, 18 x 6 x 5 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 cor. Pits impracticable.
- 80.00 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to secs. 5, 6, 7 and 8, mid. with 5 notches on the S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner  
Land rolling.  
Soil sandy and rocky; 4th rate.  
No timber; undergrowth sage brush.
- 
40. S. 89° 55' E., on a random line, bet. secs. 5 and 8.  
Set temp. 1/8 sec. cor.  
80.07 Intersect the N. and S. line 4/10 of the cor. to secs. 4, 5, 8 and 9.  
Thence I run, N. 89° 57' W., on a true line, bet. secs. 5 and 8. Over rolling sandstone.  
Through sage brush.
- 40.01 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
- 80.08 The cor. to secs. 5, 6, 7 and 8.

Chs. Land rolling.  
Soil sandy and rocky; 4th rate.  
No timber.  
Undergrowth sage and canotillo.

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40.00 S. 89° 56' W., on a random line, bet. secs. 6 and 7.  
78.10 Set temp. 1/4 sec. cor.  
Intersect the west boundary of the Tp. 18 lks. S. of the corner to secs. 1, 6, 7 and 12 as heretofore described.  
Thence I run,  
S. 89° 56' W., on a true line bet. secs. 6 and 7.  
Over gently rolling land.  
Through sage brush.

13.70 Leave sage brush thence over sandstone cliffs.  
18.00 Foot and re-enter sage brush brs. northerly and southerly.  
24.10 Leave undergrowth of sage; thence over sandstone cliffs.  
38.10 On a blanket ledge of sandstone, set a limestone, 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.  
43.10 Leave sandstone and enter sage brush, brs. northerly and southerly.  
48.00 Descend.  
78.10 The cor. to secs. 5, 6, 7 and 8.  
Land rolling and mountainous.  
Soil sandy and rocky. 4th rate.  
No timber; undergrowth sage and canotillo.  
Mountainous or land covered with undergrowth 78.10 chs.

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40.00 N. 0° 03' W., on a true line, bet. secs. 5 and 6,  
Over rolling land.  
Through sage brush.  
Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.

60.10 Top of slope, thence along N. E. edge of same.  
80.10 Intersect the Eighth Standard Parallel North, at a point from which the standard 1/4 sec. cor. to sec. 31, T. 33 N., R. 10 E., brs. W. 18.95 chs. dist.  
Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for closing corner to secs. 5 and 6, mkd. C C T 32 N R 10 E on the S, with 5 grooves on the E., and 1 groove on the W. faces; dig pits, 24 x 18 x 12 ins., crosswise on each line, E. and W. 3 ft. dist. and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor.  
Land rolling and mountainous.  
Soil sandy and rocky; 4th rate.  
No timber; undergrowth sage and canotillo.  
Mountainous or land covered with undergrowth 80.10 chs.

May 23rd, 1905.

General Description.

This Tp. is a desert, covered partly with deep sand and is traversed with rock ridges. Portions of the Echo Cliffs, which range from 300 to 500 ft. in height, traverse the township from southeast to northwest; the same divide the township into two parts; the upper and lower lands.

Chs.

The Lehigh Howards farm is situated in secs. 20, 21, 28 and 29. The farm is irrigated from springs that rise in the Moenava Canon. The Navajo Mission and farm is situated in secs. 21 and 28. There are also a number of small Indian farms on the benches and along the base of the Echo Cliffs. There is no timber within this township, excepting a few cottonwoods and orchard trees on the above mentioned farms. Water is found along the S. slope and in the canons of the Echo cliffs. The total agricultural land aggregates about 1 section.

May 23 - 1905

*Philip Couzger*  
 U. S. Deputy Surveyor.

LIST OF NAMES.

BOOK 1863

A list of the names of the individuals employed by

*Philip Couzner*

....., 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 T. 32 N. R. 10 E*

showing the respective capacities in which they acted:

*W. S. Kengla* ..... Chainman.

*Fred Tagles* ..... Chainman.

*Arthur Pogue* ..... Moundman.

*Mmanuel Salazar* ..... Axman.

*G. A. Hawley* ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

*Philip Couzner*

....., United States Deputy Surveyor, in surveying all

those parts or portions of the

*the subdivisional lines of T. 32 N. R. 10 E*

..... of the

*and Salt River* 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*

*W S Kengla* ..... Chainman.

*Fred Tagles* ..... Chainman.

*Arthur Pogue* ..... Moundman.

*Mmanuel Salazar* ..... Axman.

*George A Hawley* ..... Flagman.

Subscribed and sworn to before me this

*10<sup>th</sup>*

day of

*June*

18*95*

*W. G. Power*



104 22  
BOOK 1863

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<sup>th</sup> day of December, 18904, 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 32 N. R. 10 E

of the Gila & Salt River 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Philip Contzen  
United States Deputy Surveyor.

Subscribed by said Philip Contzen and sworn to before me }  
this 16<sup>th</sup> day of June, 18905

Frank S. Ingalls  
U. S. Surveyor General  
for Arizona



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A.T. July 26<sup>th</sup> 1905, 1899

The foregoing field notes of the survey of the subdivisional lines of T 32 N. R. 10 E. of the Gila and Salt River Base and Meridian, in the territory of Arizona.

executed by Philip Contzen, U. S. deputy surveyor under his contract No. 124, dated December 12<sup>th</sup> 1904, ~~1899~~, 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.~~