

1904 61

1822

FIELD NOTES

BOOK 1822

OF THE SURVEY OF THE

of the survey of the East and North boundaries of Tp. 23 S . R28 E

Gila & Salt River Base and Meridian, Territory of Arizona;

-1822

1822

Of the Gila & Salt River Base & Meridian,

AS SURVEYED BY

John A. Rockfellow, United States Deputy Surveyor,

Under his Contract No. 112, dated Feb. 24 1904, 189

Survey commenced April 28, 1904, 189

Survey completed May 5, 1904, 189

NAMES AND DUTIES OF ASSISTANTS.

E. L. Robinson & W. C. McKay

Chairmen

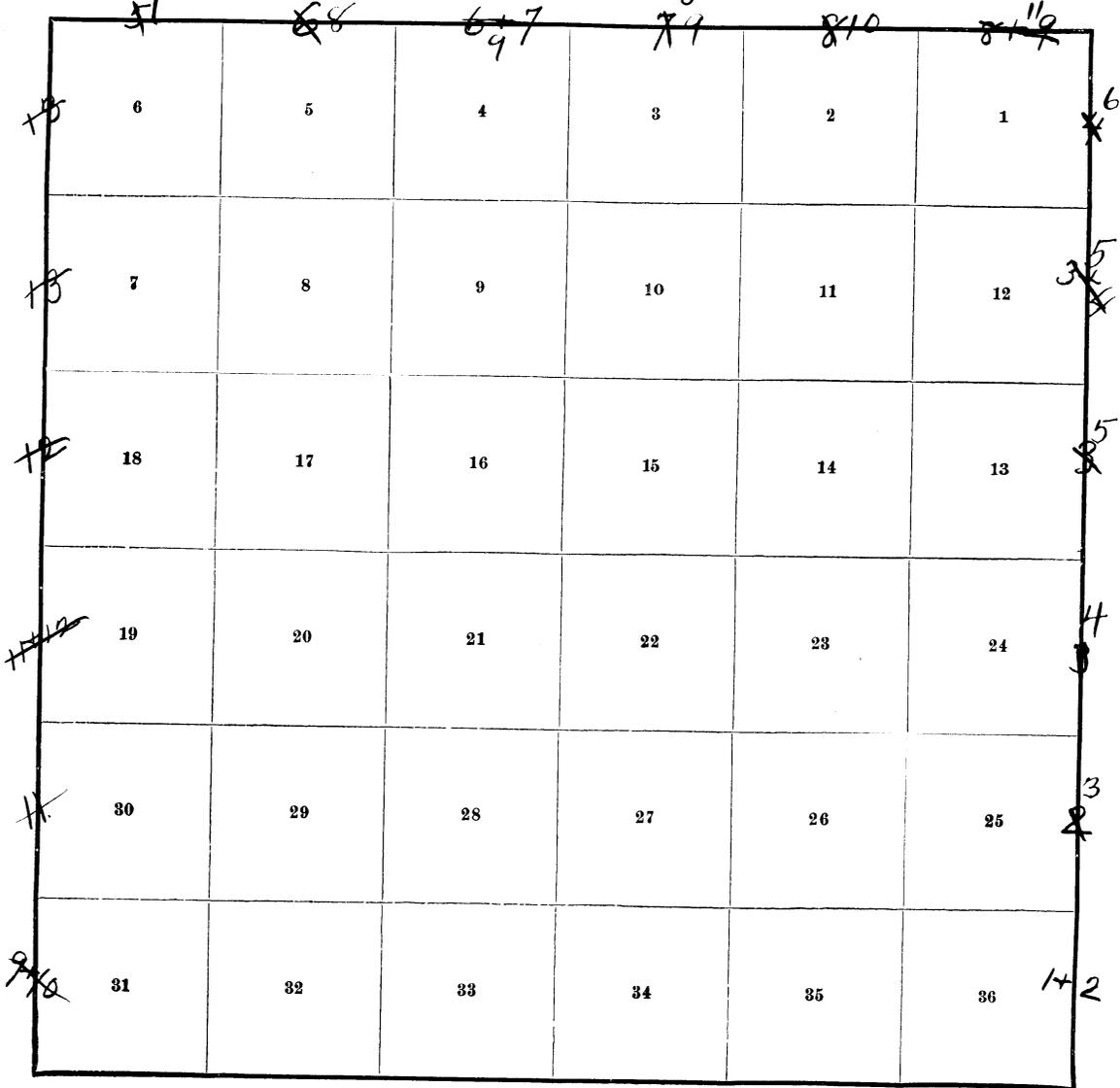
C. E. Bremer, Wardman & Lyman

R. H. Ayler, Flagman

BOOK 1822

INDEX DIAGRAM.

Township 23 S, Range 28 E



Meanders Page.....

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BOOK 1822

WE, E. L. Robinson and W. C. McKay

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 Boundaries of Tp R35 R28 E

E. L. Robinson, Chainman.
W. C. McKay, Chainman.

Subscribed and sworn to before me this 28th
day of April, 1891904



John A. Rockfellow
Notary Public
My Commission Expires March 14, 1907.

WE, C. E. Buchner and _____ and axeman

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 ~~my~~ skill and ability, in the survey of

The Boundaries of Tp R35 R28 E.

C. E. Buchner, Moundman.
and axeman
Moundman.

Subscribed and sworn to before me this 28th
day of April, 1891904



John A. Rockfellow
Notary Public

WE, _____ and _____

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

_____, Axman.
_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 189 _____



I, R. H. Atwell, 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 Boundaries of Tp R35 R28 E

R. H. Atwell, Flagman.

Subscribed and sworn to before me this 28th
day of April, 1891904



John A. Rockfellow
Notary Public
My Commission Expires March 14, 1907.

East Bdy. of Tps. 23 S. R. 28 E.

Survey commenced April 28, 1904, and executed with a Young & Sons' mountain transit (No. 6855), provided with Smith solar attachment. The horizontal limb is provided with two verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count ~~of the minutes~~ of the latitude and declination arc. The instrument was examined and tested on the true Meridian at Tombstone, Arizona, and found correct, on April 26, 1904, at 10 A. M.

On April 28, 1904, at 10 A. M., I began at the corner of Tps. 23 & 24 S. R. 27 & 28 E. I find the stone marking the corner has been removed, and left lying on the mound south, and a fence post placed instead of the stone. I remove fence post, replace stone in the proper position, and warn the settlers to allow the stone to remain. At 10;30 A. M., with lat. arc at $31^{\circ} 23'$ N. and dec. arc at $14^{\circ} 11'$ N., I determine a meridian by solar, and set my watch to correspond to apparent time. I remain on same point and at 12 M., with dec. arc at $14^{\circ} 12'$ N., I observe for latitude and obtain that already used, viz: $31^{\circ} 23'$ N. Thence I run east along N. boundary of Tp. 24 S., R. 28 E. I find all section corners and 1/4 section corners as described in Surveyor General's notes, and in good condition, the courses and distances being practically the same as in notes. A high wind prevents a Polaris observation

Friday, April 29.

I set up at the corner of Tps. 23 & 24 S., Rs. 28 & 29 E. at 9 A. M., with lat. arc at $31^{\circ} 23'$ N. and dec. arc at $14^{\circ} 26 \frac{1}{2}'$ N. I lay off a meridian, whence via $12^{\circ} 52'$ E.

- (1) San Jose Peak (Mexico) bears S. 75° 34' W. about 30 miles
- (2) Copper Queen smelter stack in Town of Douglas bears S. 76° 31' W. about 8 miles.
- (3) Calumet & Arizona smelter stack bears S. 71° 27' W. about 9 miles.
- (4) Miller Peak, Huachuca Mts. bears N. 88° 44' W. about 50 miles.

Thence I run north between sections 36 & 31; land mountainous; line runs along west slope of Perilla Mountains and over a high precipitous spur extending westward

- 27.30 wash in gulch 30 links wide; course W. S. W.
- 40.00 falls on a porphyry rock in place, exposing 12 X 10 X 12 ins. chisel cross (X) on top at exact cor. and 1/4 on west side for 1/4 section corner. Raise a mound of stone 4 ft. base, 2 1/2 ft. high west of corner; pits impracticable. Ascend 20° to 25° slope.
- 71.80 Chisel a cross (X) on a rock 12 X 6 ft., 25 ft. high, on summit of westerly spur. Descend 25° slope.
- 73.17 Blaze on a small oak tree 2 ft. right of line.
- 80.00 Set a porphyry rock 16 X 12 X 8 ins., 11 ins. in ground for cor. of sections 25, 30, 31 & 36 marked with 1 notch on south and 5 notches on north edges; raise a mound of stone 4 ft. base, 3 ft. high west of corner; pits impracticable. Whence va. 13° 08' E. Black Diamond Peak bears N. 42° 28' W., about 40 miles. Land mountainous 80 chains; no timber; scattering brush and cactus growth; soil 3rd and 4th rate.

April 29. At this point I set off $14^{\circ} 31'$ on the dec. arc, and at 12 M. apparent time observe the sun at meridian, and obtain on the lat. arc the reading $31^{\circ} 24'$, which agrees with the proper lat.

North between sections 25 & 30, land mountainous; run along west slope of mountain.

40.00 Set a porphyry rock 18 X 18 X 8 ins., 12 ins. in ground for 1/4 section cor., marked 1/4 on west. Raise a mound of stone 4 ft. base, 3 ft. high W. of Cor.

40.79 Large stone monument 3 links to left.

43.75 Center of gulch 20 links wide, course W.

At camp near S. W. cor. sec. 32, April 29, 1904, I observe Polaris at 9:21 P. M., l. m. t., and mark the direction thus determined by a tack driven in a stake firmly set 5 chains north.

Astron. l.m.t. of obs. Apr. 29,			h.	m.
			9	21
U. C. Polaris Apr. 15		h.	m.	
Red. to April 28		23	46	
U. C. Polaris April 28		<u>51</u>		
			22	55

	h.	m.
	23	56.1
	<u>22</u>	<u>55</u>
Time U. C. to begin.		
April 29	1	-01.1
Time of obs.	2	-01
Time elapsed since U.C.	<u>13</u>	<u>22</u>

Azimuth of Polaris at obs. 0 34'

At 7 A. M. April 30, lay off $0^{\circ} 34'$ E. at north end of line obtained for true meridian, with lat. arc at $31^{\circ} 23'$ and dec. arc at $14^{\circ} 48'$, determine meridian with solar, and said meridian coincides with that obtained by Polaris observation, within less than $30''$. On May 1st when in camp, allow instrument to remain on said meridian from 9:30 A.M. until 2:30 P. M. At 10 A. M., with lat. arc at $31^{\circ} 23'$ N. and dec. arc at $15^{\circ} 06'$ N., determine meridian, which coincides with that already obtained. At apparent noon, with dec. arc at $15^{\circ} 08'$, observe for latitude and obtain latitude

follows the general course of a long, lateral ridge, terminating at canyon.

73.95 West 1.61 chs. mining shaft 10 feet deep.

80.00 Set a porphyry rock 18 X 6 X 6 ins., 12 ins. in ground for cor. secs. 1, 6, 7 & 13, marked with five notches on S. and one notch on N. edges. Raise a mound of stone, 3 1/2 ft. base, 2 1/3 ft. high. W. of cor.; pits impracticable. Land mountainous 80.00 chs. Soil 3rd rate; little brush, no timber.

North between secs. 1 & 6

32.12 Wash in canyon 45 lks. wide; course N. W.

40.00 Set a porphyry rock 16 X 14 X 8 ins., 11 ins. in ground for 1/4 sec. cor., marked 1/4 on W. side. Raise mound of stone, 3 1/2 ft. base, 2 1/3 ft. high, W. of cor.

52.00 Leave mountainous land for rolling hills sloping N. W.

77.82 Point whence the cor. of Tps. 22 & 23 S., Rs. 28 & 29 E. bears east 16.14 chs. (This cor. is situate on the summit of a rocky hill, and is a rock with six notches on N.S.E. & W. edges, witnessed by a mound of stone. As the falling is beyond limits, in accordance with my special instructions, I change cor. to cor. of Tps. 22 S., Rs. 28 & 29 E. only, by removing notches on S. side of rock.)

Set temporary stake.

Land mountainous and hilly. Mountainous land 51 chs.

Soil 3rd and 2nd rate; little brush, no timber.

Note: On east boundary, distant fore and back, sights were visible from elevated points on line, the entire distance. At each of these elevated points laid off meridian by solar, and found line to agree with fore and back sights mentioned.

May 2nd.

North Bdy of T. 23 S. R. 28 E.

May 3rd and 4th.

May 3rd, at 8 A. M., 1. m. t., I set off 31° 28' on lat arc, and 15° 40' 1/2' on dec. arc, and determine a true mer. with solar, at the cor. of Tps. 22 S. Rs. 28 & 29 E. on N. bdy. Tp. 23 S. R. 29 E.

Thence I run ^{west} on random line, Va. 12° 40' E., setting temporary stakes at every 40 chs for south bdy., Tp. 22 S., R. 28 E., and at every 40 chs. W. from point of intersection with east boundary of Tp. 23 S., R. 28 E., for N. bdy. of Tp. 23 S., R. 28 E.

May 3rd, at the cor. of secs. 1 & 2 on N. bdy., I set off 15° 43' on dec. arc, and at 12 M. apparent time observe the sun on the mer.; the resulting lat. is 31° 28' which is the proper lat.

May 4th, at 8 A. M., 1. m. t., I set off on the lat arc 31° 28' and on the dec. arc 15° 58' and determine a true mer. with the solar at the cor. of secs. 2 & 3 on N. bdy.

May 4th, at the cor. of secs. 3 & 4, on N. bdy., I set off 16° 01' on dec. arc, and at 12 M., apparent time, observe the sun on the mer.; the resulting lat. is 31° 28' which is the proper lat.

Chains 493.99

Intersect E. bdy of Tp. 23 S., R. 27 E. at N. 0° 20' E. 34.54 chs. from the 1/4 sec. cor. of sec. 1, and S. 0 20' W. 5.68 chs from the cor. Tps. 22 & 23 S. Rs. 27 & 28 E. Set temporary stake.

May 4th,

May 5, at 8 am lmt. I set off 31° 28' on the lat arc and 16° 15 1/2' on decl. and determine a meridian at said temporary stake.

May 5th.

As the following is not within limits, in accordance with my special instructions, I make temporary corners permanent.

Set a porphyry rock 18 X 12 X 7 ins., 12 ins. in ground, for cor of Tps. 22 & 23 S.R.28 E., marked with 6 notches on N.S.& E. edges; dig pits 30 X 24 X 12 ins. crosswise on each line, N. & S. 4 ft., and E 8 ft. Raise a mound of earth 5 ft. base, 2 1/2 ft. high, E. of cor.

Run E. on true line along N. bdy. of sec. 6.

Chains

- 37.85 Set a porphyry rock 14 X 9 X 5 ins., 10 ins. in ground for 1/4 sec. cor. of sec. 6, marked 1/4 on N. and "6" on S. faces; dig pits 18 X 18 X 12 ins., 3 ft. E. & W., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
- 55.00 Set porphyry rock 18 X 14 X 14 ins., 12 ins. in ground for 1/4 sec. cor. of sec. 31, marked 1/4 31 on N. face; dig pits 18 X 18 X 12 ins. 3 ft. E. & W., and raise mound of earth 3 1/8 ft. base, 1 1/8 ft. high, N. of cor.
- 77.85 Set a limestone 16 X 10 X 6 ins. 11 ins. in ground, for cor. secs. 5 & 6, marked with five notches on E., and one notch on W. edges, and "5" on S. E., and "6" on S. W. faces. Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.; pits impracticable. Va. 12 40' E. Land level; soil 2nd rate. Scattering brush; little grass.
East along north boundary of sec. 5
- 16.14 Set a limestone 14 X 10 X 10 ins., 10 ins. in ground for cor. secs. 32 & 31, marked with five notches on E., and one notch on W. edges and "32" on N. E. and "31" on N. W. faces; dig pits 24 X 24 X 12 ins. in each sec, 6 ft. distant, and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. N. about 10 chains is a black hill about 150 ft. high.
- 40.00 Set porphyry rock 14 X 14 X 6 ins., 10 ins. in ground, for 1/4 sec. cor. of sec. 5, marked 1/4 on N. and "5" on S. faces. Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.; pits impracticable.
- 56.14 Set porphyry rock 14 X 10 X 6 ins., 10 ins. in ground, for 1/4 sec. cor. of sec. 32, marked "1/4 32" on N. face. Dig pits 18 X 18 X 12 ins., 3 ft. E. & W., and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.; pits impracticable.
- 80.00 Set a porphyry rock 14 X 8 X 6 ins., 10 ins. in ground,

for cor. secs. 4 & 5, marked with four notches on E. and two notches on W. edges, and "4" on S. E., and "5" on S. W. faces; dig pits 24 X 24 X 12 ins. in each sec., 6 ft. distant, and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land level and rolling; soil 2nd and 3rd rate; scattering brush, scant grass.

East along north boundary of sec. 4.

- 16.14 Set a porphyry rock 20 X 16 X 6, 15 ins. in ground for the cor. of secs. 32 & 33, marked with four notches on the E., and two notches on the W., and "33" on the N. E. and "32" on the N. W. faces; dig pits 24 X 24 X 12 ins. in each sec, 6 ft. distant, and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
- 40.00 Set a porphyry rock 14 X 10 X 6 ins., 10 ins. in ground, for 1/4 cor. sec. 4, marked "1/4" on N. and "4" on S. faces; dig pits 18 X 18 X 10 ins. to bed rock, 3 ft. E. & W., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
- 49.60 Road bears N. & S.
- 56.14 Set porphyry rock 14 X 9 X 7 ins., 10 ins. in ground for 1/4 sec. cor. of sec. 33, marked "1/4", "33" on N. face; dig pits 18 X 18 X 12 ins. on line 3 ft. E. & W., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
- 80.00 Set a porphyry rock 18 X 10 X 6 ins., 12 ins. in ground for cor. secs. 3 & 4, marked with three notches on E. & W. edges, and "3" on S. E., and "4" on S. W. faces; dig pits 24 X 24 X 12 ins. in each sec., 6 ft. distant, and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Va. 12° 45' E. Land rolling; soil 2nd and 3rd rate; much brush, mesquite and greasewood; scant grass.

East along north boundary of sec. 3.

- 16.14 Set a porphyry rock 14 X 10 X 10 ins., 10 ins. in ground for cor. secs 33 & 34, marked with three notches on E. & W. edges and "34" on N. E. face, and "33" on N. W. face; dig

- pits in each section 6 ft. distant, 24 X 24 ins., and about 10 ins. deep to bed rock. Raise a mound of earth and rocks 4 ft. base, 2 ft. high, W. of cor.
- 20.60 Road bears N. & S.
- 29.00 Road bears N. W. & S. E.
- 40.00 Set a porphyry rock 14 X 8 X 8 ins., 10 ins. in ground for 1/4 sec. cor. of sec. 3, marked 1/4 on N. and "3" on S. faces. Raise a mound of stone 3 1/2 ft. base, 2 1/2 ft. high, N. of cor.; pits impracticable.
- 56.14 Set a porphyry rock 16 X 14 X 14 ins., 11 ins. in the ground, for 1/4 sec. cor. of sec. 34, marked "1/4", "34" on N. face; dig pits 18 X 18 X 12 ins. E. & W., 5 ft., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
- 60.00 Land mountainous; along the south slope of high mountain
- 80.00 Set a limestone 24 X 14 X 7 ins., 18 ins. in the ground for cor. secs 2 & 3, marked with two notches on the E. and four notches on the W. edges, "3" on S. W., and "2" on S. E. faces; dig pits 24 X 24 X 12 ins. in each sec., 6 ft. distant, and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Va. 13° 00' E.
- Land hilly and mountainous; mountainous land 20 chs.; much thorny brush; scant greasewood; no timber.
- East along north boundary of sec. 2.
- 16.14 Set a limestone 14 X 12 X 12 ins., 10 ins. in ground for cor. of secs. 34 & 35, marked with two notches on E. and four notches on the W. edges, and "35" on N. E., and "34" on N. W. faces. Dig pits 24 X 24 X 12 ins. in each sec., 6 ft. distant. Raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- 37.60 Summit of high ridge, a spur of main mountains bears N. W. & S. E.
- 40.00 S Set a porphyry rock 20 X 16 X 8 ins., 15 ins. in ground

- for 1/4 cor. sec. 3, marked 1/4 on N. and "2" on S. faces. Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.; pits impracticable.
- 56.14 Falls upon rock 4 X 3 X 2 ft. above ground; chisel a cross (X) on west end for exact cor. 1/4 cor. sec. 35; chisel "1/4", "35" on north side, and raise a mound of stone 3 ft. base, 3 ft. high, N. of cor.
- X 80.00 Set a limestone 20 X 12 X 8 ins., 15 ins. in ground for cor. secs. 1 & 2, marked with one notch on the E. and five notches on W. edges, and "1" on S. E., and "2" on S. W. faces. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.; pits impracticable.
- Va. 12' 50' E.
- Land mountainous 80 chs.; soil 3rd and 2nd rate; scattering brush; no timber.
- East along north boundary of sec. 1.
- Leave mountainous for hilly and rolling land.
- 00.50 Road, College Pk. to Douglas bears N. E. & S. W.
- 16.14 Set a limestone 14 X 9 X 5 ins., 10 ins. in ground, for cor. secs. 35 & 36, marked with one notch on E., and five notches on W. edges, and "36" on N. E. and "35" on N. W. faces. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner; pits impracticable.
- 26.58 Center of track, El Paso & Southwestern R. R., on slight curve N. E., whence the north abutment of pile bridge No. 2063 bears S. 25° 20' W., 1.24 chs. Track in center of a draw, outlet of College Peak region, bears N. E. & S. W.
- 27.47 Telegraph line N. E. & S. W.
- 40.00 Set a porphyry rock 14 X 14 X 7 ins., 10 ins. in ground for 1/4 sec. cor. sec. 1, marked 1/4 on N., and "1" on S. side. Dig pits 18 X 18 X 12 ins., 3 ft. E. & W., and raise a mound of earth 3 1/2 ft. base, 2 1/2 ft. high, N.

of corner.

56.14 Set porphyry rock 17 X 10 X 6 ins., 12 ins. in ground, for 1/4 cor. sec. 36, marked "1/4", "36" on N. Raise a mound of stone 3 ft. base, 2 ft. high N. of corner; pits impracticable.

80.00 Set a porphyry rock 18 X 12 X 10 ins., 12 ins. in the ground, for the cor. of Tps. 23 S. Rs. 28 & 29 E., marked with six notches on the E., W. & S. sides. Dig pits 30 X 24 X 12 ins. crosswise on line 4 ft. E. & W., and 8 ft. S. of cor., and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, S. of corner.

Va. 12° 40' E.

Land rolling and hilly; soil 1st, 2nd and 3rd rate; some grass, scattering brush; no timber.

Continue east along S. boundary of sec. 36, ascend slope of rocky mound,

6.14 Land mountainous. Ascent 17°.

16.14 Cor. Tps. 22 S. Rs. 28 & 29 E. Mountainous land 10 chains.

May 5.

From the closing of N. boundary with W. boundary, it is evident that the W. boundary is incorrect in both alignment and measurement; hence, I re-run the W. boundary.

This township is rough and mountainous in the eastern and northern parts; is generally covered with a dense growth of mesquite, catsclaw and greasewood. There is no timber. The magnetic variation is in general N. 12° 40' E., but at points indicated in notes there are some quite abrupt changes.

Tombstone, Arizona,

June 2, 1904.

John A. Rockefeller
U. S. Deputy Surveyor.

DIRECTIONS.—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.

2. In balancing Lat. and Dep. do not obliterate or change the original figures:

Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Deputies are cautioned not to use tables that do not give results exact to the

TABLING AND CALCULATIONS OF TP 23 S, R. 28. E

Abstract

SURVEY No. 112

No.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
<i>recd</i> 36	N 0° 19' W	8057	8057			45			
"	N 0° 17' W	8030	8030			40			
"	S E 1/4, 24 N 0° 05' W	4030	4030			06			
"	N E 1/4, 24 N 0° 19' E	4019	4019		22				
"	S E 1/4, 13 N 0° 15' E	4029	4029		18				
"	N E 1/4, 13 N 0° 18' E	4032	4032		21				
"	N 0° 41' E	8059	8058		96				
"	S E 1/4, 1 N 0° 22' E	4034	4034		26				
"	N E 1/4, 1 N 0° 20' E	3454	3454		20				
N. by Tp.	East	47785			47785				
E " Tp	South	47788		47782					
S " T.P.	West	47956				47956			
Convergence					44				
			47743	47782	48032	48047			
			47743	47743	48032	48032			

Error in Lat. 44 Error in departure 15

LIST OF NAMES.

A list of the names of the individuals employed by John H. Beckwith, 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

Boundaries of Tp 23 S, R 28 E showing the respective capacities in which they acted:

- E. J. Robinson , Chainman.
- W. C. McKay , Chainman.
- C. E. Buchner , Moundman. and Axman
- , Moundman.
- , Axman.
- R. A. Artell , Axman.
- , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John H. Beckwith, United States Deputy Surveyor, in surveying all

those parts or portions of the Boundaries
of Tp 23 S, R 28 E

G. S. R. meridian, of the 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
- E. J. Robinson , Chainman.
- W. C. McKay , Chainman.
- C. E. Buchner , Moundman. and Axman
- , Moundman.
- , Axman.
- R. A. Artell , Axman.
- , Flagman.

Subscribed and sworn to before me this 15th day of May, 1894



John H. Beckwith
Notary Public

My Commission Expires March 14, 1907.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

19
BOOK 1822

I, John A. Rockefeller, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Sugaul United States Surveyor General for Arizona, bearing date of the 24th day of February, 1904, 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 boundaries of Tp 23 S. R 28 E

of the Gila Salt River meridian, in the Terr 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.

John A. Rockefeller
United States Deputy Surveyor.

Subscribed by said John A. Rockefeller, and sworn to before me }
this 2nd day of June, 1904.

Geo. Wilcox
Clerk Dist Court



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A.T., Jan'y 31st 1905
The foregoing field notes of the survey of the North and East Boundaries of T. 23 S., R. 28 E. of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by John A. Rockefeller D. S. under his contract No. 112, dated Feb'y 24, 1904, 189, 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. Sugaul
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.