4--07

Book L.

accepted, letter E. May 4-1910

BOOK 2166

FIELD NOTES

OF THE SURVEY OF THE

2166 2165 East Boundary of T. 22 S. R. 22 E. East Boundary of T. 21 S. R. 22 E. Frac South Boundary of T.21 S. R. 22 E. 2166 Of the Gila & Salt River Base & Meridian, Arizona. AS SURVEYED BY Jesse B. Wright , United States Deputy Surveyor, Under his Contract No. 154 , dated February 9th , 1909 Survey commenced May 19, , 190 Survey completed May 22, , 1909

2166

NAMES AND DUTIES OF ASSISTANTS.

Watter Percual Chammon
Roll A. Titypatrick. "
Harvey March Moundmon.
Harry William Husen Reservon
Roll. Litzfatrick Ca. Tlagmon
6—151

BOOK 2166

INDEX DIAGRAM.

Township 21 South, Range 22. East

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6---15

BOOK 2166

PRELIMINARY OATHS OF ASSISTANTS.

WE, / Saller Percual and Publ H Felick.	
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	_
2. bdy 722. S.R.22 E. ET for S. bdy 721 S. R 22 E.	
Robert & Jan Chainman.	
Subscribed and sworn to before me this 277	
day of may, 190 9) Jee Buryll	
WE Harvey Marsh 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 A. Ay. T12. V. R. 22. E., EV Joe V. Long. T1, S. R. 22 C.	
Harvey Marsh., Moundman.	
, Moundman.	
Subscribed and sworn to before me this 19	-
day of Mry, 1909 } Jessel Wright	
SEAL (A)	
WE, Starry William Husen 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 E. Ly 722. SK22 E, E 7 From J. Ly. 721 S. K22 E,	
Harry William Heisen Axman.	
, Axman.	
Subscribed and sworn to before me this 19/2	
day of My , 1909 Sure Device	
M.S. Sep furnegor	
I, Robert Fiffalrick 2., 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 I thy T22 I.R. Z2. E. E. Free S. 12 T218. K. Z.Z. E. Jobby Filly July out of Flagman.	s
Subscribed and sworn to before me this 797	
day of May 1909	,
M. P. Sep Serry	
6-151	

East Boundary of T. 22 S. R. 22 E.

Chains

Survey begun May 19,1909, and executed with a Young & Son's light mountain transit No. 6492, with Smith's patent solar attachment on side. The horizontal limd of the instrument is provided with two double verniers placed opposite to each other and each reading to 1' of arc, which is also the least reading of the latitude and declination arcs of the solar. I examine and test carefully the levels, the line of collimation and standards of the instrument and find same correct. I also examine and test the latitude arc, the declination arc and hour circle of the solar attachment and find in correct adjustment. , to test the solar apparatus by comparing the results of solar observations for meridian made during a.m. & p.m. hours with a true meridian determined by observations on Polaris, I proceed as follows At 5h p.m., 1.m.t., at the Cor. of Tps. 22 & 23 S. Rs. 22 & 23 E., which is a limestone 10x10x10 ins. above ground, marked and witnessed as described by the Surveyor General, Lat. 31° 27' 37" N. Long. 110° 04' 12" W.,

I set off 19° 49' N. on the decl. arc and 31° 27' 30" N. on the lat. arc and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake driven firmly in the ground chs. N. of my station. May 20,1909, At 3h 4lm a.m., l.m.t., I observe Polaris at Eastern

Elongation in accordance with instructions in the "Manual, and mark a point in the line thus determined by a cross on a fixed stone 6 chs. N. of my station At 6h a.m., 1.m.t., I set off the azimuth of Polaris, 1.23 to the West, and mark a point in the true meridian thus determined by a tack in the stake 6 chs. N.of my station, which point falls 1/8 in. E. of the line as given by the solar on preceding evening.

At 7h a.m., 1.m.t., I set off 19° 56' 30" N. on the declar arc and 31° 27' 30" N. on the lat. arc and determine a meridian with the solar, which line coincides with the meridian determined by Polaris observations. Therefore I conclude that the adjustments of the instrument are satisfactory,

The magnetic bearing of the true meridian at 7h a.m. is N. 13° 30' W., The angle thus determined gives the magnetic declination as 13° 30' E.

I set a large flag on the Tp. Cor. above described, and run thence, for precision, by back & fore sights,

31 & 36 on range line. North, bet. secs. Var. 13° 30' E.

Over rolling land, through dense tesseta & greasewood. & scattering mesquite.

20.33 Dry wash 30 lks. wide, course W.

26.50 Draw, 3 chs. wide, course W. 40.00 Set a limestone 24x15x8 ins. 18 ins. in the ground for 1 Sec. Cor., marked 1 on W. face, and dig pits 18x18x12 ins. N. & S. of stone 3 ft. dist., and raise a mound of earth 3 ft. base 1 ft. high W. of cor. No bearings available.

47.25 Old wood road, brs. NW. & SE.
63.10 Wash 30 lks. wide, course NW.
Asc. grad. through dense black brush.
80.00 Top of rise,

Set a limestone 20x15x10 ins.15 ins.in ground for Cor. of Secs. 25,30,31 & 36, marked with 1 notch on S.and 5 notches on N. edges, and raise a mound of stone 2 ft.base, la ft.high W.of cor. No bearings available. Land, rolling. Soil, 2nd & 3rd rate, sandy. No timber. Undergrowth, tesseta, greasewood, mesquite, black brush. Rolling land covered with dense undergrowth 80.000 chs.

```
Chains
          North, bet. secs. 25 & 30.
 Over rolling land desc.grad.through dense black brush.
7.00 Wash 20 lks. wide, course W.
12.00 Wash 30 lks. wide, course W. asc.
 26.00 Top of rise, desc.

38.00 Canyon 120 lks.wide, 40 ft.deep, course W.N.W. asc.grad.

40.00 Set a limestone 24x12x10 ins.18 ins.in the ground for
          1 sec. Cor., marked 1 on W. face, and raise a mound of stone 2 fit. base 1 ft.high W. of cor.

No bearings available.
           Enter very dense tesseta, and black brush through which I
           chain with great difficulty.
 42.00 Top of rise, desc, grad. over broken ground. 55.00 Desc. abrupt 30 ft.
 56.20 Main Canyon from mountains, course West.
 57.20 Asc. abrupt 30 ft., thence over very broken ground.
 60.00 Leave dense undergrowth, brs. E. & W. Begin steep asc. over limestone ledges on SW. slope of
 mountain, with great difficulty.

79.00 Top of high limestone ridge, 500 ft. above 1 sec.cor., brs. E. & W., Extends west about 30 chs.
 80.00 Set a limestone 24x10x10 ins. 10 ins. in the ground to
            bedrock in mound of stone for
           Cor. of Secs. 24,25,19 & 30, marked with 2 notches on S. & 4 notches on N. edges, and raise a mound of stone 2 ft. base 12 ft.high W. of cor.
          Land , rolling, mts.
          Soil, 2nd 3rd & 4th rate, sandy, stony.
No timber. Undergrowth, tesseta, black brush, greasewood,
          paloverde, palmeo, ocotillo mesquite.scrub oak.
           Land covered with dense undergrowth, .... 40.0 Mts.land or land covered with dense undergrowth,
                                                                          40.00 chs.
             and exceptionally difficult to survey, .... 40.00 chs.
             North bet. secs. 24 & 19.
               Over mts. land desc. with great difficulty,
                over rough limestone ledges.
   9.00 Gulch 50 lks. wide, course NE.
  28.50 Same gulch, course NNW. 36.25 Gulch 30 lks. wide, course NW.
  36 .25
  40.00 Foot of main slope., brs. NW. & SE.
           Set a limestone 20x12x12 ins. 15 ins. in ground for
           1 Sec. Cor. marked 1 on W. face and raise a moundn of stone
           2 ft. base la ft. high W. of cor.
           No bearings available.
           Desc. grad. over rolling land through dense black brush
             and greasewood.
   47.75 Wood road, brs. NE. & SW.
  56.00 Draw, 2 chs. wide course W. 80.00 Set a limestone 15x10x10 ins. 10 ins. in ground for
           Cor. of secs. 13,18,24 & 19., marked with 3 notches on
           N. & S. edges and raise a mound of stone 2 ft. base

1 ft. high W. of cor.
           No bearings available.
           Land, mts., rolling.
Soil, 2nd, & 3rd rate, stony, gravelly.
           No timber.
             Indergrowth, black brush, greasewood, mesquite, ocotillo, paloverde, palmeo, scrub oak.
           Undergrowth, blackbrush
           Mts.land exceptionally difficult to survey, .. 40.00 chs.
            Land covered with dense undergrowth, ..... 40.00 chs. At this cor. at noon, I set off 19 58 30" Nv on the decl. arc and observe the sun on the meridian,
            The resulting lat. is 31° 30' N.
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East Boundary of T. 22 S. R. 22 E.

North, bet. secs. 13 & 18, Chains Over rolling land through dense tesseta, & mesquite. 15.60 Grassy draw 2 chs. wide, course W. 23.00 Wash 30 lks. wide, course WNW.
26.00 Main wash 50 lks. wide, course W.
40.00 Set a granite stone 24x15x15 ins. 18 ins.in ground for

\$\frac{1}{4}\$ sec.cor. marked \$\frac{1}{4}\$ on W. face and raise a mound of stone 2 ft. base lg ft. high W. of cor. No bearings available.
Enter very dense mesquite & tesseta.

61.05 main road, ors. E. & W., Bisbee to Lewis Springs.
Set a granite stone 20x10x10 ins. 15 ins. in ground for Cor. of secs. 7,12,13 & 18, marked with 4 notches on S. & 2 notches on N. edges, dig pits 18x18x12 ins. in each sec. 5 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No bearings available.
Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, dense mesquite, tesseta, black brush, greasewood. Very dense last mile.
Land covered with dense undergrowth 40.00 chs. Land covered with dense undergrowth, and exceptionally difficult to survey, 40.00 chs. North bet. secs. 7 & 12. Over rolling land theough dense greasewood & black brush 6.20 Road, brs. NE. & SW. 40.00 Set a granite stone 20x10x8 ins. 15 ins. in ground for 1 sec.cor. marked 1 on W. face and raise a mound of stone 2 ft. base 1 ft. high W. of cor. No bearings available. Road, brs. NW. & SE. Telephone line, brs. N. 48° 38' W. & S. 48° 38' E. Set a quartzite stone 20x10x10 ins. 15 ins. in ground for 53.35 54.00 80.00 Cor. of Secs. 1,6,7 & 12, marked with 5 notches on S. & 1 notah on N. edges andraise a mound of stone 2 ft. base 12 ft. high W. of cor. No bearings available. Land rolling. Soil, 2nd rate, sandy. No timber. Undergrowth, mesquite, greasewood, black brush tesseta, palmeo. Land covered with dense undergrowth, 80.00 chs. North bet. secs. 1 & 6. Over rolling land through dense mesquite brush. Stony wash 3 chs. wide, Course WNW. asc. grad. 30.00 40.00 Top of rise, Set a quartzite stone 24x12x10 ins. 6 ins. in ground to bedrock in mound of stone for 1 sec.cor., marked bedrock in mound of stone for 1 sec.cor. 1 on W. face and raise a mound of stone 2 ft. base 12 ft. high W. of cor. No bearings available. 40.20 Old road, brs. NNW. & SSE. runs through Tp. to N. 80.00 Set a granite stone 24x15x12 ins. 18 ins. in ground for Cor. of Tps. 21 & 22 S. Rs. 22 & 23 E., marked with 6 notches on each edge, and raise a mound of stone
4 ft. base 3 ft. high S. of Cor. No bearings available. Pits impracticable. Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, mesquite, tesseta, black brush. Land covered with dense undergrowth, 80.00 chs.

General Description.

This line runs over a ralling mesa, covered with dense undergrowth, crossing the West point of the Mts. to the L.
The soil is dry and gravelly. No water on the line.
Some mesquite timber is found in the main washes. Part of the land to the E. & W. is ggod grazing land. May 20,1909. tessel Wright

U.S. Deputy Surveyor.

Frac. South Bdy. T. 21 S. R. 22 E.

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May 21,1909.
Chains
            At 7h a.m., 1.m.t., at the Cor. of Tps. 21 & 22 SRs. 22 &
            23 E. recently established by me and heretofore described, I set off 20° 9' N. on the decl. arc and 31° 33' N. on the lat. arc and determine a true meridian with the solar,
           Thence I run, as per instructions,
           West, on a true line bet. secs. 1 & 36.
          Over rolling land desc. grad. through dense mesquite, brush, Old road, brs. NNW. & SSE.
 14.00
 40.00 Set a sandstone 24x15x12 ins. 18 ins. in ground for
         1 Sec. Cor. marked 1 on N. face and raise a mound of stone
 2 ft. base 1 ft. high N. of cor. No bearings available. Thence through very dense mesquite, with great difficulty. 70.25 Wash 30 lks. wide, course NW.

80.00 Set a granite stone 24x12x8 ins. 18 ins. in ground for
           Cor. of Secs. 1,2,35 & 36, marked with 1 notch on E. &
            5 notches on W. edges? and raise 2 ft. base 12 ft. high W. of Cor.
                                                            a mound of stone
            No bearings available.
         Land rolling., Soil, 2nd & 3rd rate, sandy, gravelly.
          Timber, some meswuite in main wash.
         Undergrowth, mesquite, tesseta, greasewood.
          Land covered with dense undergrowth, ... 40.00 chs.
          Land covered with dense undergrowth, and
           exceptionally difficult to survey,
                                                               ..40.00 chs.
            West bat. secs. 2 & 35.
           Over rolling land through dense mesquite, tesseta, &
               black brush, with great difficulty.
   1.50 Wash 50 lks. wide, in draw 4 chs. wide, course WNW. asc. 4.00 Top of bank, desc. over stony ground.
   8.00 Wash 40 lks. wide, course WNW. asc.
 10.45 Road, brs. NW. & SE. Bisbee to Charleston.
13.00 Telephone line . Bisbee to Fairbanks, brs.NW. & SE.
          Draw 6 chs. wide, course WSW.
  30.00
 40.00 Set a sandstone 24 x15 x10 ins. 18 ins. in ground for
           1 Sec. Cor. marked 1 on N. face and raise a mound of
           stone 2 ft. base 12 ft. high N. of cor.
 No bearings available.

60.00 Enter draw, brs. WNW., 3 chs. wide, & heavy mesquite.

80.00 Set a sandstone 20x15x10 ins. 15 ins. in ground for
           Cor. of Secs. 2,3, 34 & 35, marked with 2 notches on E&
           4 notches on W. edgesn and raise a mound of stone 2 ft.
           base la ft. high W. of cor. from which,
A mesquite tree 6 ins. diam. brs. S. 42 E. 85 lks.dist.
                  marked T. 22 S. R. 22 E. S. 2 B.T.
           A mesquite tree 6 ins. diam. brs. S.282 W. 26 lks.dist,
                  marked T. 22 S. R. 22 E. S. 3 B.T.
           A mesquite tree 6 ins.diam.brs.N.65 W. 60 lks.dist., marked T. 21 S. R. 22 E. S. 34 B.T.
             No other bearings available.
          Land, rolling, broken.
          Soil, 2nd & 3rd rate, sandy, gravelly, clayey.
          Timber, some mesquite in washes.
Indergrowth, mesquite, tesseta, blackbrush, greasewood.
Land covered with dense undergrowth and
          exceptionally difficult to survey, 80.00 chs.

At this Cor. at noon, I set off 20° 11' N. on the decl.

arc and observe the sun on the meridian.

The resulting lat. is 31° 33' N.
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Frac. South Bdy. of T. 21 S. R. 22 E.

-			
	Chains		
	r	West bet. Secs. 3 & 34.	
		Over rolling landdesc. grad. in draw, through dense heavy	
		mesquite with great difficulty.	
	00 00		
	20.00	Leave draw & dense mesquite, brs. NW. & SE.	
		Asc. grad. through dense tesseta & black brush.	
	40.0 0	Set a sandstone 18x10x10 ins. 12 ins. in ground for	
		1 Sec. Cor. marked 1 on N. face and raise a mound of	
		stone 2 ft. base 1 ft. high N. of cor.	
		No bearings available.	
		Desc. grad. over somewhat broken ground.	
	00 00		
1	80.00		
		Cor. of secs. 3,4,33 & 34, marked,	
		T. 21 S. S. 34 on NE.,	
		R. 22 E. S. 3 on SE.,	
		T. 22 S. S. 4 on SW., and	
		R. 22 E. S. 33 on NW. faces with 5 notches on E. & W.	
		faces, dig pits 18x18x12 ins. in each sec. 52 ft.dist.,	
		and raise a mound of earth 4 ft.base 2 ft.high W.of cor.	
		No bearings available.	
١		Land, rolling. Soil, 2nd & 3rd rate, sandy, gravelly, stony,	
		Timber, some mesquite. Undergrowth, mesquite, tesseta	
1		black brush, greasewood.	
		Land covered with dense undergrowth, 60.00 chs.	
1			
j	1	Land covered with dense undergrowth, and	
		exceptionally difficult to survey, 20.00 chs.	
Ì			
١			
		West, bet. secs. 4 & 33 .	
1		Over rolling land desc. grad., through dense mesquite.brus	sh.
	30.00	Road, brs. NW. & SE.,	
		Draw 2 chs. wide, course NW.	
	40.00	Set a granite stone 24x12x10 ins. 18 ins. in ground for	
	3	\$\frac{1}{4} \text{ Sec. Cor. marked \$\frac{1}{4}\$ on N. face from which,	
1		A mesquite tree 6 ins.diam.brs. N.534 W. 360 lks.dist.,	
1		marked \(\frac{1}{4} \) S. 33 B.T.	
ı		A mesquite tree 4 ins.diam.brs.S.14 W. 230 lks.dist.,	
		marked 1 S. 4 B.T.	
	50 00	Interpret P. Rdy of Can Defeel, del Walle Chant at mt when	• •
	30.00	Intersect E. Bdy. of San Rafael, del Valle Grant, at pt. when the mile Cor. of Grant, brs. S. 13 31 30 E. 2.16 chs. dist.	رد د د
1		of mile cor. of drame, ors. o. o. o. co. cos. dist.	
		Set a quartzite stone 24x15x10 ins. 18 ins. in ground for	
1		Closing Cor. of Secs. 4 & 33, marked	
		C.C. R. 22 E. on E.,	
		S.R.D.V. on W., and with	
		6 grooves on N. & S. faces, and	
		raise a mound of stone 2 ft.base 1 ft.high E.of cor.	
	*	No bearings available.	
		Land, rolling. Soil, 2nd & 3rd rate, sandy, gravelly.	
		No timber.	
		Undergrowth, mesquite, tesseta, greasewood,	
		Land covered with dense undergrowth, 58.00 chs.	
		The state of the s	
	. •		
		General Description.	
		The Frac.S.Bdy.of this Tp. runs over a somewhat broken,	
	İ	& rolling mesa, covered with dense mesquite, black brush,	
		and greasewood. There is some mesquite timber in the	
		larger washes, and good grass in the draws.	
	,	No water found at any point on this line.	
1			
		May 21 1909	

May 21,1909.

U.S. Deputy Surveyor.

East Boundary of T. 21 S. R. 22 E.

May 22,1909, I again examine and test carefully all the Chains adjustments.of my transit and find same satisfactory. At 7h a.m., l.m.t., at the Cor. of Tps. 21 & 22 S. Rs. 22 & 23 E. as recently established by me and heretofore described, I set off 20° 21' N./on the decl. arc and 31° 33' N./on the lat. arc and determine a true meridian with the solar, which line agrees with the line of the E. Bdy. of Tp. 22 S. R. 22 E., which was run by back and fore sights from a true meridian established by Polaris observations. . Thence I run, as per instructions, North, on range line bet. Secs. 36 & 31. Var. 132 E. Over rolling land, through dense mesquite brush. 40.00 Set a quartzite stone 20x15x10 ins. 15 ins. in ground for 1 Sec. Cor. marked 1 on W. face and raise a mound of stone 2 ft. base 12 ft. high W. of Cor. No bearings available. 60.00 Edge of mesa, brs. E. & W. desc. through very dense mesquite with great difficulty. 62.00 Enter draw, course NW. 65.00 Wash 1 ch. wide, course WNW.
80.00 Set a sandstone 24x12x6 ins. 18 ins. in ground for Cor. of Secs. 25,30,31 & 36, marked with 1 notsh on S. & 5 notches on N. edges, and raise a mound of stone
2 ft. base la ft. high W. of cor. from which,
A mesquite tree 4 ins.diam.brs.N.29 E. 46 lks.dist.,
marked T. 21 S. R. 23 E. S. 30 B.T.
No other bearings available. Land, rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, mesquite, tesseta. Land covered with dense undergrowth, 60.00 chs. Land covered with dense undergrowth, and exceptionally difficult to survey, 20.00 chs. North bet. Secs. 25 & 30.

Over rolling land, through dense mesquite. brush.

2.65 Main wash from mts. to E., 150 lks. wide, course W. 3.20 Asc. abrupt 12 ft. 4.60 Top of mesa, brs. brs. E. & W. 10.00 Leave mesquite, brs. E. & W. enter dense black brush and greasewood. 40.00 Set a sandstone 15x10x10 ins. 10 ins. in ground for 1 Sec. Cor. marked 1 on W. face, dig pits 18x18x12 ins. N. & S. of stone 3 ft. dist. and raise a mound of earth 3 ft. base 1 ft. high W. of Cor.

No bearings available. 80.00 Set a sandstone 15x12x12 ins. 10 ins. in ground for Cor. of Secs. 24,19,25 & 30, marked with 2 notches on S. & 4 notches on N. edges and raise a mound of stone 2 ft. base la ft. high W. of cor. No bearings available.

Land, rolling Soil, 2nd & 3rd rate, sandy, gravelly. No timber.

Undergrowth, mesquite, greasewood, black brush, tesseta. Land covered with dense undergrowth, 80.00 chs.

East Boundary of T. 21 S. R. 22 E.

	Maine		Г
	Chains	27 (42)	
		North bet. secs. 24 & 19.	
		Over rolling land through dense greasewood, tesseta, and	
		black brush.	
	40 00		
	40.00	Set a limestone 20x12x10 ins. 15 ins. in ground for	
		2 Sec.Cor. marked 2 on W. face and dig pits 18x18x12 ins	
	1	N. & S. of stone 3 ft. dist. and raise a mound of earth	ľ
		3½ ft. base 1½ ft. high W. of Cor.	
		We beginn an all-light we of Core	
		No bearings available.	
	80.00	Set a limestone 20x10x6 ins. 15 ins. in ground for	
		Cor. of Secs. 13,18,19, & 24, marked with 3 notches on	
		N. & S. edges, and raise a mound of stone 4 ft. base 2 ft.	
		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ļ.
		hogh W. of Cor. No bearings available.	
		Land, rolling. Soil, 2nd & 3rd rate, sandy.	
		No timber.	
		Undergrowth, mesquite, tesseta, blackbrush, greasewood.	
		The state of the s	
		Land covered with dense undergrowth, 80.00 chs.	l
		At this Cor. at noon, I set off 20°23' N. on the decl.	ĺ
		arc and observe the sun on the meridian.	
		The regulating let is 710 751 701 M	ĺ
		The resulting lat. is 31° 35' 30" N.	
,			L
			Γ
		North bet. secs. 13 & 18.	ĺ
	70 70	Over rolling land through dense greasewood & black brush.	
	30.70	Dim road, brs. NW. & SE.	
	40.00	Set a limestone 15x10x8 ins. 10 ins. in ground for	
		1 Sec. Cor. marked 1 on W. face and raise a mound of store	l
		covered with earth 4 ft has 0 ft high ways	ĺ
		covered with earth 4 ft. base 2 ft. high W. of Cor.	
		No bearings available.	ĺ
		Desc.	į
	55.00	Wash 30 lks. wide, course W. asc.	l
	58 00	Top of mesa, brs. E. & W.	l
	67.85	Road, brs. NE. & SW.	
	80.00	Set a limestone 24x12x8 ins. 18 ins. in ground for	
		Cor. of Secs. 12,13, 7 & 18, marked with 2 notches on N.&	
		4 set along on C. older and marked within a motories on N. oc	Į
		4 notches on S. edges and raise a mound of stone covered	
		with earth 4 ft. base 2 ft. high W. of Cor.	
		No bearings available. Pits impracticable.	
		Land, rolling.	
		Soil, 2nd & 3rd rate, sandy, gravelly.	
		No timber.	
		Undergrowth, black brush, greasewood, mesquite, tesseta.	
	,	Land covered with dense undergrowth, 80.00 chs.	
		orthogonal desired and the second of the sec	
	٠	North bet. Sees. 7 & 12.	
		Over rolling land, through dense black brush &	
		acattering mesquite. asc.grad.	
	40.00	Cot o liment one Odrillero in a 10 in a	
	40.00	Set a limestone 24x15x8 ins. 18 ins. in ground for	
	7	1 Sec. Cor. marked 1 on W. face and raise a mound of	
	,	stone 2 ft. base 14 ft. high W. of cor from which	
		A mesquite tree 4 ins.diam.brs.S.79°W 48 lks.dist.,	
		monte of I C 10 D m	
		marked 4 S. 12 B.T.	
1	v	No other bearings available. Pits impracticable.	
	80.00	Set a limestone 18x12x6 ins. 12 ins. in ground for	
		Cor. of Secs. 1,6,7 & 12, marked with 5 notches on S.&	
		There is a substitution of the substitution of	
ı		1 notch on N. edges and raise a mound of stone 2 ft.	
-	,	base la ft. high W. of Cor.	
-		No bearings available.	
		Land rolling.	
		Soil, 2nd rate, gravelly.	
		No timber.	
1		Undergrowth, mesquite, tessets, greasewood.	
		Land covered with dense undergrowth, 80.00 chs.	
ļ			
١			
- 1			

T. 21 S. R. 22 E. East Boundary of

1	Chains		
		North, bet. secs. 1 & 6.	-
1		Over gently rolling land asc. grad. through dense	1
		black brush and greasewood & scattering mesquite.	
	40 00	Set a limestone 18x10xô ins. 12 ins. in ground for	1
ĺ	40.00	The a timestone toxiono ins. in ins. in ground for	
		1 Sec. Cor. marked 1 on W. face, and raise a mound of	
		stone 2 ft. base la ft. high W. of Cor.	
ı		No bearings available.	
Ì	47.00	Top of knoll, brsE. & W. desc.	
		Wash 130 lks. wide, course W. asc. steep.over very stony	
1	3.5	ground, with great difficulty.	
	73 50	Top of rough limestone knoll, 200 ft. above \(\frac{1}{4} \) Sec.cor.,	
	10.50	brs. E. & W. High point on same 6 chs. W. desc. steep.	
	00 00		
	80.00	Foot of slope, enter grassy flat, brs. E. & W.	
	86.12	Intersect 4th Standard Parallel North, at point whence	1
		1/4 Sec. Cor. on S. Bdy. Sec. 36 of T. 20 S. R. 22 E., mkd.&	
1		wit.as described by Sur.Gen.brs.E.8.97 chs.dist.	1
		Set a limestone 18x12x12 ins. 12 insin ground for	
	. *	Closing Cor. of Tps. 21 S. Rs. 22 & 23 E., marked,	
	!	C.C. T. 21 S. on S., and 6 grooves on E. & W. & S. faces	
		and raise a mound of stone 3 ft. base 2 ft. high S.of Co	
			† *
		from which,	734
		A mesquite tree tree 4 ins. diam. brs. S. 52 E. 225 lks	aist.
	,	marked T. 21 S. R. 23 E. S. 6 C.C.B.T.	
		A mesquite tree 4 ins.diam.brs.S.37 W.4.00 chs.dist.,	
		marked T. 21 S. R. 22 E. S. 1 C.C.B.T.	
		Land, rolling, mts,	
		Soil, 3rd & 4th rate, gravelly, stony.	
		No timber.	
		Undergrowth, mesquite, greasewood, black brush, tesseta.	
		Land covered with dense undergrowth, 68.12 chs.	
		Mts.lan exceptionally difficult to survey, 18.00 chs.	
		,	
		Boundaries of T. 21 S. R. 22 E.	
		Latitudes, Departures, and closing errors.	
	Timaa	True Distance. Latitudes Departures	-
	Lines		
		DOGLETIE	-
	S. Bdy.		
	E. Bdy.		
	\mathbb{N} . Bdy .		70
	W.Bdy.		1
	S.R.del		İ
	P.L.G.) S.13°31'30"E173.34 168.53 40.54	1
	Converg		ua .
	JOHVELE	519.55 519.95 477.52 476.	12
		- 519.55 476.14	
		.40 . 1.38	÷
		i ·	

General Description.

The E.Bdy. of this Tp.runs over a rolling plain, through a dense growth of mesquite, tesseta, and blackbrush. The soil, is a sandy loam or gravelly, and is dry.

No water noted near the line. Good grass is found in some of the larger draws. No timber of an note on the line.

Having employed my assistants in the immediate vicinity of the work and as great delay and expense would have been incurred to appear before a Notary Public or other officer duly qualified to administer the necessary oaths, I was compelled to administer the preliminary and final oaths to my assistants. Gesse B. Wright U.S. Deputy Surveyor. May 22.1909.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Jesse	B. Wright
United States Deputy Surveyor, t	to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of	the survey of
Kby.T228.K22E, ETTOCS	1. Ly . T218-R22
showing the respective capacities in which they acted.	•
Walter Brand	
Holf H Fighalrick	, Chainman.
	, Chainman.
Harvey Morsh	, Moundman.
· · · · · · · · · · · · · · · · · · ·	, Moundman.
Harry William Glice	/, Axman.
	, Axman.
Robert Fitzpalrick Ja.	, Avman.
Final Care Contract of the Con	, Flagman.
FINAL OATH OF ASSISTAN	
We hereby certify that we assisted <u>Jesse B. W</u>	right
United States	Deputy Surveyor, in surveying all
Those parts or portions of the \mathcal{E} bdy $\mathcal{T}^{2}\mathcal{D}\mathcal{R}^{2}\mathcal{Z}^{2}$	1 E and Jone Dolgo
THORXZE	
,,,	
	of the 6110 &
Salt River Base & meridian, Terr of Ariz	ona, which are represented
n the foregoing field notes as having been surveyed by him and under l	his direction; and that said survey
as been in all respects, to the best of our knowledge and belief, well	and faithfully surveyed, and the
orner monuments established, according to the instructions furnishe	d by the United States Surveyor
General for Arizona	
Rufut Haragar	, Chainman,
Kulit Haykundi.	Ch air
Harvey Marsh.	, Chainman.
Marry Marsh.	, Moundman.
	, Moundman.
Harry William delises	
	\mathcal{N} , Axman.
c) robert chilishatrick On	
ubscribed and sworn to before me this 5072	
abscribed and sworn to before me this 3072	, Axman, Flagman.
<i>V</i>	, Axman, Flagman.
scribed and sworn to before me this 307	

107,0 2166

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Jesse B. Wright , 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
9th day of February, 1909, I have well, faithfully, and truly, in my own
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
Committee Arizona the Manual of Surveying Instructions, and the laws of the
II 1 1 Class manual all those parts or particles of the last boundary
1) If 21 D G 2 Last the East and frac Double boundaries
of the Gilas Salt
River Base & 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 Arizonal and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.
Jesse BWright
United States Deputy Surveyor.
O. O P .
Subscribed by said Med 3 (Mark), and sworn to before me
this J day of June , 190 9
() While
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SEAL O SEAL O SOCOCO USCONE
SOCOCO USCONO
APPROVAL.
APPROVAL. OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Losury, Cory, Jany, 70-1910, 190
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OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Thorwy Ching January 70-1910, 1910 The foregoing field notes of the survey of the East Sunday of 1/2 2 1 Reg 72 E. the East and gractional Out Burnday, Base and Meridian Chingana, executed by Source No. 1/4, dated Surveyor General. The foregoing field notes of the survey of the East Surveyor General. Executed by Source Surveyor General.
OFFICE OF THE UNITED STATES SURVEYOR GENERAL, The foregoing field notes of the survey of the East Familiary of 1910, 190 The foregoing field notes of the survey of the East Familiary of 1922 of 190 General Parish and Country of the East Familiary of 1922 of 190 Executed by Meniliary Clariforn Out Office of 190 Under his contract No. 1/4, dated office of 190 Critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved. Many January 190 And January 190 Figure 1

 $United\ States\ Surveyor\ General.$

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