2232

B... B.

BOOK 2232

FIELD NOTES

Souped Letter E.

OF THE SURVEY OF THE

	Subdivision 1	ines of Tp.	4 S. F.S	8' W .	
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		2232	·		·
	, 				
$Of\ the$.	Gila e	and Salt Riv	ver	Meridian). De
·	Territo	ry of Arizor	na.		
	AS S	SURVEYED	BY		५५ . •
	John F. Hesse	<u> </u>	, United	States Per	nty Surveyor,
Inder his Contract	No,	dated	lugu	tij,	
urvey commenced	December 8	, 1910.		· 	
survey completed	Necember 1	3, 1010.			
6—151	•		·		

52 1P

BOOK 2232 NAMES AND DUTIES OF ASSISTANTS.

-	A. N. Oliver	Chainman
	A. F. Lyon	Chainman
	J. H. Pates	Moundman
	A. F. Reaumont	Axman
***************************************	R. A. Coonbs	Flagman

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BOOK 2232 INDEX DIAGRAM.

Towns	hip 45		, Range ≥	3 W.	·
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Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS. A. N. Oliver and A. E. Lyon do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivision lines of Tp. 4 S. Rg. 8 W. Chainman. Subscribed and sworn to before me this 2nd. day of December, 1910. 19 WE, J. H. Bates 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 subdivision lines of Tp. 4 S. Rg. 8 W. Subscribed and sworn to before me this 2nd. day of December, 1910., 19 WE, I, A. E. Beaumont 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 me, to the best of any skill and ability, in the survey of the subdivision lines of Tr. 4 S. Rg. 8 W Subscribed and sworn to before me this 5th. day of December, 1910., 19 I, R. A. Coombs 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 subdivision lines of Tp. 4 S. Rg. 8 W. Subscribed and sworn to before me this ______? day of December, 1910., 19

6-151

Survey commenced December 8, 1910, and executed with an A Lietz Co. light mountain transit, No 5631, 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 and approved by the Supervising Surveyor for Arizona
I examine the adjustments of the transit and find them

correct; 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 observations on Polaris, I proceed as follows:

At my camp which is located about 2 chs. N. W. of the cor. of Secs. 3, 4, 33 and 34, Tps. 4 and 5 S. Rgs. 8 W. latitude 33° Ol' 41" N.; longitude 113° 22' 57" W. at 2h. 21m. a.m., by my watch: which has correct 1 m + t 2h. 2lm. a.m., by my watch; which has correct l.m.t., observe Polaris at western elongation in accordance with

Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7h. a.m., l.m.t., I lay of the azimuth of Polaris 1° 33½ to the east, and mark the meridian thus determined by cutting a small groove in a stone firmly set in the ground 5 chs. N. of my station.

At 7h. 30m. a.m., l.m.t., I set off 33° $01\frac{1}{2}$! N. on the lat. arc; 33° 35! S. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

At 4h. 30m. p.m., l.m.t., I set off 33° $01\frac{1}{2}$! N. on the lat. arc; 22° $37\frac{1}{2}$! S. von the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; thes mark falls 0.2 ins. west of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0' 16" east and 0'10" westof the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrunent are satisfactory.

The magnetic bearing of the true meridian at the cor. of secs. 1, 2, 35 and 36, at 7h. 50m. a.m. is N. 14° 30' W.; the angle thus determined gives the mag. decl. 14° 30' E.

At 8h. 00m. a.m. l.m.t., I set off 33° 01½! N. on the lat. arc; 22° 38! S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35, and 36 on the south boundary of the township, previously

described Thence I run

N. 0° 01' W. bet. secs. 35 and 36 Over level land through dense chico and greasewood brush Loave Forquite and through greasewood and ascending gradually over loose rooks.

Cross wash 20 lks. wide course N. W. Set an iron post, filled with cement, 3 ft. long 1 in. diam, with brass cap on top, 26 ins. in the ground for sec. cor., marked on cap \$35\frac{1}{2}\$ on W. and \$36 on F.

halves; from which An ironwood 6 ins. diam., bears N. 23t W. 173 lks. dist. marked \$835BT. er bearings available. Fig pits 18 x 18 x 13 ins.

No other bearings available. N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.

Through dense mesquite brush. Cross wash 10 lks. wide course W.

5.00

26.40 40.00

51.25 53.25

18.24

Subdivision of Tr. 4 S. Rg. 8 W.

```
Chains.
 55.00
               Cross road bears N. W. and S. E.
               Cross wash 30 lks. wide course M. W.
 63.85
              Cross wash 25 lks. wide course N. W.
Cross wash 20 lks. wide course N. W.
Cross wash 20 lks. wide course N. W.
Set an iron post, filled with cement, 3 ft. long, 2 ins.
diam., with brass cap on top, 24 ins. in the ground for
cor. of secs. 25, 26, 35 and 36, marked on cap with
R8WS25 in N. E.
 70.25
 74.25
 76.12
 80.00
               R8WS25 in N. E.
                      in S. E.
               S36
                        in S. W. and
               S35
               T48S36 in N. W. quadrants; from which
                          A mesquite 5 ins. diam., bears N. 21 ks. dist., marked T4SR8WS25BT
                          A mesquite 7 ins. diam., bears S. 14to E 46 lks. dist., marked T4SR8WS36BT.
                          A mesquite 6 ins. diam., bears S. 632 W. 66 lks. dist., marked T4SR8WS35FT
                          A mesquite 5 ins. diam., bears N. 42° W. 61 lks. dist., marked T4SR8WS36BT.
               Land, nearly level
               Soil, sandy loam; 1st. rate.
               Valley land along at foot of W. slope of mountains; soil sandy loamover 2 ft. deep with some gravel on top; no
               grass; dense growth of mesquite; greasewood and chico
               brush.
               No timber.
               Undergrowth, mesquite, greasewood and chicc.
               East bet. secs. 25 and 36
               Over level land through dense mesquite.
   5.00
               Leave mesquite and through dense greasewood and chico
               brush, ascending gradually over loose rocks.
               Cross wash 20 lks. wide course N. W.
25.00
               Set an iron post, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on cap $25\frac{1}{4}$ on N. and $36 on S. halves; from which
 40.00
               An ironwood 5 ins. diam., bears N. 72° E. 304
lks. dist., marked $325PT
A raloverde 6 ins. diam., bears S. 49‡° W. 190
lks. dist., marked $336BT.
Land, level and rolling.
               Soil, sandy loam and rocks; lst. and 4th. rate. W. 5.00 chs. level valley land; soil, dry sandy loam with gravel on top, medium texture, copth over 2 ft. no grass; E. 35.00 chs. W. slope of Mts. soil rocks;
               no grass.
               No timber.
               Undergrowth, mesquite, paloverde, greasewood, chico.
At this cor. I, set off 22° 41'' S. on the decl. arc; and observe the sun on the meridian at moon; the resulting lat. is 33° 022' N.

As this line running E. ascends W. slope of Painted Pock mountains and there is no land in the east half of
                Rock mountains and there is no land in the east half of
                secs. 25 and 36 adapted to agriculture or grazing, I
                therefore discontinue the survey of this line at this
                cor.
                N. O' 01' W. bet. secs. 35 and 26
                Over level land through dense mesquite.
   3.96
                Cross road bears N. E. and S. W.
  12.73
                Cross same road bears N. W. and S. E.
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Cross wash 20 lks. wide course W.

)OV 0000

Subdivision of To. 4 S. Rg. 8 W Chains. 29.36 Same road noted above bears N. E. and S. W. Cross wash 10 lks. wide course W.
Set an Iron post, filled with cement, 3 ft. long, 1 in.
diam., with brass cap on top, 36 ins. in the ground for
t sec. cor., marked on cap \$26t on W. and \$25 on E.
halves; from which 30.70 40.00 A mesquite 7 ins. diam., bears N. 432 E. 116 lks. dist., marked \$25BT A mesquite 8 ins. diam., bears S. 79½° W. 135 . lks. dist., marked \$S2GBT.

Cross wash 30 lks. wide course N. W. 50.30 58.65 Cross wash 20 lks. wide course N. W. 62.50 Cross road bears E, and W. Set an iron rost, filled with cement, 3 ft. long, 2 ins. diam., with brass cap on top, 24 ins. in the grownd, for cor. of secs. 23, 24, 35 and 26, marked on cap with 80.00 ROWS24 on N. E. S25 on S. E. S26 on S. W. and T4SS23 on N. W. quadrants; from which A mesquite 6 ins. diam., bears N. $41\frac{1}{2}$ ° E. 215 lks. dist., marked T4SR8WS24BT A mesquite 8 ins. dism., bears S. 42 F 69 lks. dist., marked T49R8WS25BT A mesquite 6 ins. diam., bears S. 17° W. 100 lks. dist., marked T4SR8WS26PT. A resquite 8 ins. diam., bears N. 27% W. 159 lks. dist., marked T4\$R8WS23BT. Land; level. Soil, sandy loam; lst. rate. Level valley land; soil, rich sandy loamover 2 ft. deer, fine texture, dry; no grass. No timber. Undergrowth, mesquite and chico. East bet. secs. 34 and 25 Over level land through dense mesquite and chico brush. 19.00 Ascend rough W. slope through dense raloverde, chico and greasewood. 32.00 Ridge bears N. W. and S. E. descend. 40.00 Set an iron rost, filled with cement, 3 ft. long, 1 in. diam, with brais cap on top, 26 ins. in the ground for the sec. cor., marked on capS24 th on N. and S25 on S. halves; from which A paloverde 6 ins. diam., bears S. 34° E. 78 lks. dist., marked \$325BT. An ironwood 6 ins. diam., bears N. 352 W. 206.
lks., dist., marked #S24BT.
Land, level and rolling.
Soil, sandy loam and rocks; lst. and 4th. rate.
W 19 00 chs. level weller land; sailmich market W. 19.00 chs. level valley land; soilrich sandy loam, over 2 ft. deep, fine texture, dry; no grass: E. 21.00 chs. W. slope of Painted Rock Mts. soil, rocks; no grass. No timber. Undergrowth, mesquite, paloverde, greasewood, chico and ironwood. As there is no agricultural or grazing land in the E. half of sec. 25 I, discontinue the survey of this line at this cor.

December 8, 1910.

N. on the lat. arc; 32° 44' S. on the decl. arc; and

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determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the township, previous
Chains !
             ly described
                      Thence I run
            N. O' Ol' W. bet. secs. 34 and 35
             Over level land through dense mesquite and chico brush.
             Cross wash 15 lks. wide course N. W.
12.87
             Cross old canal nearly filled with earth course S. W.
39.40
             18 lks. wide.
            Set an iron post, filled with cement, 3 ft. long, 1 in. diam, with brass cap on top, 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on cap, $34\frac{1}{4}$ on W. and $35$ on E.
40.00
             halves; from which
                      A mesquite 8 ins. diam., bears S. 552° E. 97 lks. dist., marked $355BT.
            A mesquite 6 ins. diam., beass N. 222 W. 63
lks. dist., marked $334BT.

Cross wash 10 lks. wide course W.
Set an iron post, filled with cement, 3 ft. long, 2 ins.
diam, with brass cap on top, 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, marked on cap with

R8WS26 on N. E.
50.00
00.08
             R8WS26 on N. E.
             $35 on S. E.
             S34 on S. W. and ..
             T4SS27 on N. W. quadrants; from which
                      A mesquite 6 ins. diam., bears N. 772 F. 68 lks. dist., marked T4SR8WS26BT.
                      A mesquite 6 ins. diam., bears S. 612 E. 169 lks. dist., marked T4SR8WS35BT.
                       A mesquite 6 ins. diam., bears S. 50° W. 97 lks. dist., marked T4SR8WS34BT.
                       A mesquite 6 ins. diam., bears N. 21 W. 116 lks. dist., marked T48R8WS27BT.
             Land, level.
             Soil, sandy loam; 1st. rate.
             Level valley land; soil; rich sandy loam, over 2ft. deep
             fine texture, dry; no grass.
             No timber.
             Undergrowth, mesquite and chico.
            East on a random line bet. secs. 26 and 35 Set temp. 4 sec. cor.
 40.00
            Intersect N. and S. line at the cor. of secs. 25, 26,
 79.92
            35 and 36
                       Thence I run
            West on a true line bet. secs. 26 and 35
Over level land through dense mesquite and chico brush.
Cross road bears N. E. and S. W.
  1.38
 6.32
            Cross wash 40 lks. wide course N. W.
 8.46
            Cross road bears N. and S.
            Cross wash 20 lks. wide course N. W. Cross road bears N. and S.
 20.70
 38.42
            Set an iron post, filled with cement, 3 ft. long, 1 in. diam, with brass cap on top, 26 ins. in the ground for 4 sec. cor., marked S264 on N. and S35 on S. halves of
 39.96
            cap; from which.
                       A mesquite 8 ins. diam., bears S. 48\frac{1}{2}° E. 262 lks. dist., marked \frac{1}{4}S35BT.
            A mesquite 12 ins. diam., bears N. 782 E. 83 lks. dist., marked $$26BT.

Cross wash 15 lks. wide course N. W.
 56.00
            Cross old canal, nearly filled with earth, 18 lks. wide
 62.25
            course S. W.
            The cor. of secs. 26, 27, 34 and 35.
 79.92
            Land, level. Soil, sandy loam, let. rate.
            Level valley land, soil; rich sandy loam, over 2 ft. deep
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Chains. fine texture, dry: no grass: No timber. Undergrowth, mesquite and chico.

December 9: At this cor. I set off 22° 47' S. on the declarc; and observe the sun on the meridian at noon; the resulting lat. is 33° 082' N. N. 0° 01' W. bet. secs. 36 and 37 Over level land through dense mesquite and chico brush. Set an iron post filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for t sec. cor., marked on caps 27th on W. and S26 on E. halves; from which 40.00 A mesquite 6 ins. diam., bears N. 714° E. 6 lks. dist., marked \$336BT. A mesquite 8 ins. diam., bears N. 712 W. 80 lks: dist., marked \$\$27BT. 51.62 Left bank of Gila River and over dry bed of river through dense arrow and water mote brush. Point for cor. of secs. 22, 23, 26 and 27 falls in bed of river where cor. cannot be permanently established. 80.00 Land, level. Soil, sand and sandy loam; 1st and 4th. rate. S. 51.62 chs. level valley land; soil rich sandy loam, over 2 ft. deep, fine texture, dry; no grass. N. 28.28 chs. level river bed; soil sand; no grass. No timber: Undergrowth, mesquite, arrow and water mote brush. East on a random line bet. secs. 23 and 26 from true corpoint. Set temp. t sec. cor. Intersect N. and S. line 3 lks. M. of the cor. of secs. 40.00 79.96 23, 24, 25 and 26 Thence I run N. 89° 59' W. on a true line bet: secs. 33 and 26 Over level land through dense mesquite and chico brush. Adobé house bears S. 62° 45' W. 17.76 34.94 Old canal, nearly filled with earth, 18 lks. wide course Set an iron post, filled with cement, 3 ft. long, 1 in. diam, with brass cap on top, 26 ins. in the ground for tesc. cor., marked on cap \$23t on N. and \$26 on S. 39.98 halves; from which A mesquite 8 ins. diam., bears N. 202° W. 47 lks. dist., marked \$523BT. A mesquite 10 ins. diam., bears S. 23° W. 343 lks. dist., marked #S26BT. From this cor. adobe shack bears S. 14° 30' E. Set an iron post, filled with cement, 3 ft. long, 2 ins. diam., with brass cap on top, 24 ins. in the ground for witness cor. to cor. of secs. 22, 23, 26 and 27, marked 61.00 on cap with a dot and WC in center, with a cross to the W. marked R8WS23 on N. E. 826 on S. E. S27 on S. W. and T4SS22 on N. W. quadrants; from which

A mesquite 6 ins. diam., bears N. 3 E: 196

lks. dist., marked WCT4SR8WS23BT. A mesquite 6 ins. diam., bears S. 30° W. 274 lks. dist., marked WCT4SR8WS26BT. A mesquite 6 ins. diam., bears N. 11° W. 105 lks. dist., marked WCT4SR8WS23BT. No other tree available. Dig pit 18 x 18 x 12 ins.

of post 52 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Chains. 62.64 Left bank of Gila River and over dry bed of river through dense arrow and water mote brush. Point for cor. of secs. 22, 23, 26 and 27. 79.96 Land, level. Soil, sand and sandy loam; 1st. and 4th. rate. E. 62.64 chs. level valley land; soil, rich sandy loam, over 2 ft. deer, fine texture, dry, no grass; W. 17.32 chs. level dry bed of Gila River; soil, sand; no grass. No timber. Undergrowth, mesquite, arrow and water mote brush. December 9, 1910. December 10; At 8h. 00m. a.m., l.m.t., I set off 33° 012' N. on the lat. arc; 22° 49' S. on the decl. arc; and determine a meridian with the solar at the cor., of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. previously described. Thence I run
N. 0° 02' W. bet. secs. 33 and 34
Over level land through dense mesquite and chico brush. Set an iron post, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for sec. cor., marked on cap \$33\frac{1}{2}\$ on W. and \$34\frac{1}{2}\$ on E. halves; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3\frac{1}{2}\$ ft. base 1\frac{1}{2}\$ ft. high, W. of cor. No trees available. 40.00 Set an iron post, filled with cement, 3 ft. long, 2 ins. diam., with brase cap on top, 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on cap with 80.00 R8WS27 on N. E. S34 on S. E. S33 on S. W. and T4SS28 on N. W. quadrant; from which
A resquite 12 ins. diam., bears S. 771 E. 153
lks. dist., marked T4SR8WS34BT.
A mesquite 7 ins. diam., bears S. 532 W. 261
lks. dist., marked T4SR8WS33BT. A mesquite 8 Ins. diam., bears N. 422° W. 256 lks. dist., marked T4SR8WS28BT. No other tree available. Dig pit 18 x 18 x 12 ins. N. E. of post 52 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil; sandy loam; lst. rate. Level valley land, soil, rich sandy loam, over 2 ft. deep. fine texture, dry; no grass. No timber. Undergrowth, mesquite and chico. East on a random line bet. secs. 27 and 34 Set temp. 1 sec. cor. Intersect N. and S. line 3 lks. S. of the cor. of secs. 40.00 80.10 26, 37, 34 and 35 Thence I run S. 89° 59' W. on a true line bet. secs. 27 and 34 Over level land through dense mesquite and chico brush. Set an iron post, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for 1 sec. cor., marked on cap \$274 on N. and \$34 on S. 40.05 haives; from which A mesquite 6 ins. diam., bears N. 52° E. 182

	Chains.	The state of the s
		A mesquite 30 ins. diam., bears S. 44 ¹ , E. 116
	80.10	lks. dist., marked LS34BT. The cor. of secs. 27, 28, 33 and 34.
		Land, level.
		Soil; sandy loam; lst. rate.
		Level valley land; soil rich sandy loam, over 2 ft.deep
٠	•	fine texture, dry; no grass; No timber.
		Undergrowth, mesquite and chico.
		Pec: 10; Clouds prevented an observation for latitude at
		this cor.
	•	
		N. 0° 02' W. bet. secs. 27 and 28.
		Over level land through dense mesquite and chico brush. Point for these cor. will fall in bed of Gila River
		so at
	34.59	Set an iron post, filled with cement, 3 ft. long, 1 in.
		diam, with brass cap on top, 26 ins. in the ground for
		witness the sec. cor., marked on capwith a dot and WCt in center with T4SR8WS28 on W. and S27 on E. halves; from
		which
	• • • •	A mesquite 10 ins. diam., bears S. 642° E. 30
		lks. dist., marked WCt827BT
		A mesquite 6 ins. diam., bears S. 334 W. 24 lks. dist., marked WC4828BT.
	35.74	Left bank of Gila River and over dry bed of river through
		dense arrow and water mote brush.
	37.80	Cross small stream of water 15 lks. wide 6 ins. deep course S. W.
	80.00	Point for cor. of secs. 21, 22, 27 and 28 falls in bed
		of Gila River, and as either bank of the river is more
	•	than 40.00 chs. dist from the true point for this cor.
		I am unable to establish a witness cor. Land, level.
	; ,	Soil, sand and sandy loam; 1st. and 4th. rate:
	•	S. 35.74 chs.level valley land; soil, rich sandy loam,
		over 2 ft. deep, fine texture, dry; no grass; N. 44.26
	• »	chs. level river bed; soil sand; no grass. No timber.
		Undergrowth, mesquite, arrow and water mote brush.
	30 2	******************
	July 1	From cor. point for secs.21, 22,27 and 28,
		N. 89° 59' E. on a random line bet. secs. 32 and 27
	40.00	Set temp. + sec. cor.
	80.03	Intersect N. and S. line 7 lks. N. of the true point for cor. of secs. 22, 23, 26 and 27
		Thence I run
		N. 89° 58' W. on a true line bet. secs. 22 and 27
		Over dry bed of Gila Fiver through dense water mote and arrow brush.
	34.16	Cross small stream of water 15 lks. wide course S. W.
		6 ins. deep.
	40.01	Point for the sec. cor. falls in bed of Gila River where
		first high water would wash it away, and the nearest roint on the bank of the river is S. of point for cor.
		and that is 30.00 chs. dist. so I am unable to set a
	00 00	witness to this cor.
	80.02	True point for cor. of secs. 21, 22; 27 and 28. Land, level.
		Soil, sand; 4th. rate.
		Level, dry bed of Gila River; soil sand; no grass.
		No timber. Undergrowth, arrow and water mote brush.
		그는 사이를 마음하는 점점 하는 사이를 가는 사람들이 되었다면 하면 하고 사람들이 되었다면 하는 사람들이 되었다. 그는 사람들이 되었다면 하는 사람들이 되었다면 하는데
		December 10, 1910.
, 2	S. 100	

Subdivision of Tp. 4 S. Rg. 8 W. December 12: At 8h. 00m. a.m., l.m.t., I set off 33° 612' N. on the lat. arc; 23° 00' S. on the decl. arc; and Chains ! determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp. previously described Thence I run N. 0° 02' W. bet. secs. 32 and 33 Over level land through dense mesquite and chico brush. Set an iron post, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for sec. cor., marked \$324 on W. and \$33 on E. halves of 40.00 cap; from which A mesquite 6 ins, diam., bears S. 672° E. 79
lks. dist., marked \(\frac{1}{1}\)S33BT

No other tree available. Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 32 ft. base 12 ft. high, W. of cor.

Left bank of Gila River and through dense arrow and water mote brush, over dry bed of river.

Point for cor. of secs. 28, 29, 32 and 33 falls in bed 54.85 80.00 of river. Land, level: Soil, sand and sandy loam; lst. and 4th. rate. S. 54.85 chs. level valley land, soil, rich sandy loam, over 2 ft. deep, fine texture, dry; no grass; N. 25.15 chs. level river bed, soil, sand; no grass. No timber. Undergrowth, mesquite, arrow, chico and water mote brush. East on a random line bet. secs 38 and 33, from true point for cor. 40.00 Set temp. Lac. cor. Intersect N. and S. line 5 lks. N. of the cor. of secs. 79.98 27, 28, 33 and 34 Thence I run N. 89° 58' W. on a true line bet. secs. 38 and 33 Over level land through dense mesquite and chico brush. Set an iron post, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for the sec. cor., marked on cap \$28t on N. and \$33 on S. 39.99 halves; From which A mesquite 8 ins. diam., bears S. 27½° E. 131
lks. dist., marked \$\frac{1}{1}\$S33BT.

A mesquite 7 ins. diam., bears N: 50½° W. 305
lks. dist., marked \$\frac{1}{1}\$S28BT.

Set an iron post, filled with cement, 3 ft. long, 2 ins. diam., with brass cap on top, 24 ins. in the ground for witness cor to cor. of secs. 28, 29, 32 and 33, marked on cap with a dot and WC in center, with a cross to the 65.00 W. marked R8WS28 on N. E. S33 on S. E.
S32 on S. W. and
T4SS29 on N. W. quadrants: from which A mesquite 5 ins. diam., bears S. 64½° E. 33
lks. dist., marked WCT4SR8WS33BT.

A cottonwood 10 ins. diam., bears S. 7½° W. 96
lks. dist., marked WCT4SR8WS33BT.

No other trees available. Dig pits 18 x 18 x 12 ins. in each sec. N. E. and N. W. of post 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.

Left bank of Gila River and over dry bed of river through 66.00 Left bank of Gila River and over dry bed of river through dense arrow and water mote brush. The point for cor. of secs. 28, 29, 32 and 33. 79.98 Land, level. Soil, sand and sandy loam; 1st. and 4th. rate. E. 66.00 chs. level valley land; soil rich sandy loam,

Chains. over 2 ft. deep, fine texture, dry; no grass; W. 13.98 level river bed, soil, sand, no grass. No timber. Undergrowth, mesquite, arrow, chico and water mote brush. December 12: At this cor I set off 23° 03' S. on the deci arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 082' N. N. 0° 02' W. bet. secs. 28 and 29, from true point for Over dry bed of Gila River through Dense arrow and water mote brush. 34,50 Cross small stream of water18 lks. wide 6 ins. deep, course W. 40.00 Point for t sec. cor. falls in bed of Gila River. 42.00 Right bank of Gila River and ascend over low rocky hills through greasewood and paloverde brush. Set an iron rost, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 36 ins. in the ground for witness t sec. cor., marked on cap with a dot and WCt in 44.00 center with T4SR8WS29 on W. and S28 on E. halves; dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. No trees available. 46.00 Cross drain 5 lks. wide course S. E. Over top of mesa. 50.00 Set an iron post, filled with cement, 3 ft. long, 2 ins. diam., with brass cap on top, 34 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on cap with 80.00 R8WS21 on N. E. \$28 on S. E. \$29 on S. W. and T48880 on N. E. quadrants; from which A paloverde 8 ins. diam., bears N. $71\frac{1}{4}$ ° E. 136

lks. dist., marked T4SR8WS21BT.

No other bearings available. Dig pits 18 x 18 x 12 ins.
in each sec. S. F., S. W., and N. W. of post $5\frac{1}{2}$ ft. dist.
and raise a mound of earth 4 ft. base 2 ft. high, W. of cor Land, level and rolling. Soil, sand and rocky; 4th. rate. S. 42.00 chs. level bed of Gila River; soil sand; no grass: N No grass. N. 38.00 chs. rolling, hilly land; soil, rocks; No timber. Undergrowth, mesquite, paloverde, greasewood, arrow and watermote brush. S. 89° 58' E. on a random line bet. secs. 31 and 28 S. 88° bo. n. ...
Set temp. # sec. cor.
Intersect N. and S. line 7 lks. S. of the cor. pt.of secs.
21. 22. 27 and 28 True point for cor. 40.00 80.04 S. 89° 59' W. on a true line bet. secs. 21 and 28 from true point for cor. Over dry bed of Gila River through dense arrow and water mote brush.

Point for t sec. cor. falls in river bed. 40.00. 52.80 Right bank of Gila River, and over level land through dense greasewood and paloverde brush. Set an iron post, 3 ft. long, l in. diam., filled with cement, with brass cap on top, 26 ins. in the ground for witness t sec. cor., marked on capwith a dot and WCt in center with T4SR8WS21 on N. and S28 on S. halves; Dig 53.40 pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.

Chains. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor. No bearings available. 59.00 Ascend along in wash 25 lks. wide course S. E. bears W. 70.45 Leave wash bears N. W. Cross same wash, course N. E. Cross same wash, course S. E. 73.00 76.65 The cor. of secs. 30, 21, 28 and 39. Land, level and rolling. 80.04 Soil, sand and rocky; 4th. rate.
E. 52.80 chs. level river bed; soil, sand; no grass;
W. 27.34 chs. level and rollingland; soil rocky; no grass No timber. Undergrowth, paloverde, greasewood, arrow and water mote brush. December 12, 1910. December 13; At 10h. 00m., a.m., 1mm.t., I set off 33° 012' N. on the lat. arc; 23° 062' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31, and 32 on the S. bdy. of the township previously described Thence I run N. 0° 03' W. bet. secs. 31 and 32 Over level land through dense arrow brush. 16.00 Through very dense young cottonwoods and willows and arroweed. 37.00 Leave cottonwoods and willows and through very dense arrow brush. Leave bottom land and over level land, leave arrow brush 34.20 and through mesquite and salt brush, 34.75 Cross road bears N. E. and S. W. Set an iron post, filled with cement, 3 ft. long, 1 in. 40.00 diam., with brass cap on top, 26 ins. in the ground for \$\frac{1}{2}\$ sec. cor., marked \$\frac{1}{2}\$ on \$\text{W}\$. and \$\frac{1}{2}\$ on \$\text{E}\$. halves on cap: from which A mesquite 12 ins. diam., bears iks. dist., marked ±SZ2RT. bears N. 564° E. 313 Pig pits 18 x 18 x 12 ins. No other tree available. N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. Cross irrigating ditch 8 lks. wide course S. W. 48.46 Ascend rough S. slope of mountain spur over loose volcan-49.50 63.75 Top spur and descend rough N. slope. Cross wash 30 lks. wide course E.
Set an iron post, filled with cement, 3 ft. long, 2 ins.
diam., with brass cap on top, 24 ins. in the ground for
cor. of secs. 39, 30, 31 and 32, marked on cap with 79.00 80.00 R8WS29 on N.E. 832 on S. E. S31 on S. W. and T4SS30 on N. W. quadrants; and raise a mound of stone 2 ft. base, l_2^1 ft. high, W. of cor. Pits impracticable. No bearings available. Land, level and mountainous. Soil, sandy and rocky; lst. and 4th. rate. S. 34.20 chs. level bottom land; soil, rich sandy loam mixed with humus, over two ft. deep, fine texture, moist no grass; middle 15.30 chs. level valley land; soil, rich sandy loam, over 2 ft. deep, fine texture dry; N. 30.50 chs. rough mountain slopes; soil, volcanic rocks. Timber a few cottonwoods and willows . Undergrowth, m esquite, arrow, salt and greasewood brush. December 13: At this cor. I set off 33° 07' S. Von the decl. arc; and observe the sun on the meridian at noon;

Subdivision of To. the resulting lat. is 33° 082! N. Chains. East on a random line bet. secs. 39 and 32 Set temp. † sec. cor.
Intersect N. and S. line 3 lks. N. of the true point for 40.00 80.12 cor. of secs. 28, 39, 32 and 33 Thence I run N. 89° 59' W. on a true line bet. secs. 39 and 32 Over dry bed of Gila River through dense water mote and arrow brush.
Point for \$\frac{1}{4}\$ sec. cor. falls in bed of Gila River. 40.06 Cross small stream of running water 15 1ks. wide 4 ins. 42.10 deep. 43.00 Right bank of Gila River and over level land through chico and mesquite brush. Set an iron post, filled with cement, 3 ft. long, 1 in. diam., with brass cap on top, 26 ins. in the ground for witness & sec. cor, marked on cap with a dot and WC in center, T4SR8WS29 in N. and S32 in S. halves; from which 44.00 A mesquite 6 ins. diam., bears N. 804° W. 185 lks. dist., marked WC4829BT.

No other bearing available. Pig.pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 32 ft. base 12 ft. high, N. of cor. Cross road bears N. and S. 45.40 52.00 Ascend steep E. slope of mountain over loose volcanic rock through dense brush. Ridge bears N. and S. descend. The cor. of secs. 39, 30, 31 and 32. 70.50 80.18 Land, level and mountainous. Soil, sandy loam, sand and rocks; lst. and 4th. rate. T. 43.00 chs. level dry bed of Gila River; soil, sand. no grass; Middle 9 chs. level valley land, soil, rich sandy loam, over 2 ft. deep, fine texture, dry; no grass W. 38.13 chs. Rough mountainous land; soil, volcanic rock; no grass. No timber. Undergrowth, mesquite, arrow, water mote, chico and ralo verde brush. West on a true line bet. secs. 30 and 31 Descending rough W. slope over loose volcanic rock through dense brush. Enter wash 30 lks. wide course S. E. and along in same. 17.00 Leave wash bears N. W. Ascend along N. E. slope. Set an iron post, filled with cement, 3 ft. long, I in. 23.00 40.00 diam., with brass cap on top, 36 ins. in the ground for t sec. cor., marked on cap \$30t on N. and \$31 on S. halves; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable. No bearings available. Ridge bears M. W. and S. F. and descend along S. W. 44.20 slope. 51.70 Cross wash 15 lks. wide course S. E. and ascend along N. E. slope. 70.00 Ridge and along S. slope of mesa gradually descending. Intersect W. bdy. of township 15.98 chs. S. of the cor. of secs. 35 and 36 Tys 4 S. Rg. 9 W. and set and iron post, filled with cement, 3 ft. long, 3 ins. diam., with 83.80 brass cap on top, 34 ins. in the ground for closing cor of secs. 30 and 31, marked on capwith a dot and CC in center, T4S on N. half, with 830 on N. E. S31R8W on S. E.

Chains.

S36R9W on S. W. and \$35 on N. W. quadrants; and raise a mound of stone 2 ft. base 12 ft. high, E. of cor. Pits impracticable. No bearings available.

Land, mountainous.

Soil, rocky; 4th. rate.
Rough mountainous land; soil; rocks; no grass.

No timber.

Undergrowth, greasewood and raloverde.

The lines surveyed in this township include all the agricultural land in the township, therefore I disconting ue the subdivision of this township.

Tecember 13, 1910.

GENERAL DESCRIPTION.

The northern and western portions of this township are rough and mountainous and are of no value for agriculture The southern part of the township on the south side of the Gila River is a level valley protected on all sides by rough hills. The soil in this valley is a rich sandy loam, the depth of which could not be ascertained, but is over 15 ft. and is capable of producing abundant crops with irrigation.

There is no grass in the township and no timber except a few small patches of cottonwoods and willows along the Gila River There.is a dense growth of mesquite on the secs. surveyed. The Gila River runs through secs. 37, 28, 30 and 32, a small stream of water at this season, which sinks and rises in the sand all along its course through these secs. The water is very brackish and not There is one settler W. good for domestic purposes. W. Bruner in sec. 26.

Line designated	True bearing.	Distance	Latitudes		Departures	
			N	S	E	W.
N. bdg. sec. 26	N.89 59'FY.	79.96	.02			79.96
N. bdy. sec. 27	N 89°58'M	80.02	.05			80.02
V. ldy. acc. 28	S 89°59'W.	80.04		02		80.0£
N. Cody. acc. 32	N.89°59'W.	80.12	.02		·	80.12
V.bdy. ecc. 31	West	83.80				83.80
N.ldy. sec. 28	S0.02'E	80.00		80.00	.05	
N. boly. acc. 31	South	80. 02]	80.02		•
S. bdy Tp. 45. Rg. 8. W.	East	403. 70			403.70	•
E. Codys. accs. 26+35	N.0001W.	160.00	160.00			.05
				* ®		
			160.09		403.75	403.99
	ETTOT in	lat.	.05		r in dep.	.24

John P. Hesse U.S. Bransitman.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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A list of the names of the individuals employed by	
marking the lines and corners described in the foregoing field notes of the su	rvey of the
subdivision lines of Tp. / S. Rg. 8 W.	
showing the respective capacities in which they acted:	
A. N. Oliver	Chainman
A. E. Lyon	
J. H. Bates	
	, Moundman.
A. E. Beaumont,	, Axman.
	, Axman.
R. A. Coombs	, Flagman.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted John F. Hesse	
those parts or portions of the subdivision lines of Tp. 4 S. I	Rg. 8 W.
	•
	·
	of the Gila and
Salt River meridian, Territory of Arizona	•
in the foregoing field notes as having been surveyed by him and under his di	rection; and that said surve
has been in all respects, to the best of our knowledge and belief, well and corner monuments established, according to the instructions furnished by	
General for Arizona	
a. W. Alins	
(1) G. hum)	, in the second
011/13/61	, Chainman.
341 V Sarep	, Moundman.
	, Mowndman.
L QNO ECUMON	Axman.
······	, Axman.
K. a. Combo.	, Flagman.
Subscribed and sworn to before me this 15th.	
	Hesse
SOCOCOCO 11 1 1	a) "1
Occasion U. S. J.	hausetman

14 2232

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

	Transitman , United States Deputy Surveyor, do
	received from , bearing date of the
	, bearing date of the , 19 , I have well, faithfully, and truly, in my own
From the strict conformity with the strict confo	ne instructions furnished by the United States Surveyor ne Manual of Surveying Instructions, and the laws of the ons of the subdivision lines of Tp.
River meridian, in the Territ coregoing field notes as having been surveyed by swear that all the corners of said survey have been been surveying Instructions, and the specific manual of Surveying Instructions, and the specific manual of Surveying Instructions.	of the Gila and Salt ory of Arizona, which are represented in the y me, and under my direction; and I do further solemnly een established and perpetuated in strict accordance with pecial written instructions of the United States Surveyor
he foregoing are the original field notes of such	the specific manner described in the field notes, and that
this day of surrey	PROVAL. STATES SURVEYOR GENERAL, Locury Clay of pul /7, 19//
Base But Meridian	Conjunc
surveys they describe, are hereby approved.	Jesust J. Jaurette. 19/0, having been and explanations made, the said field notes, and the United States Surveyor General. The field notes of the above-described surveys in
, has been correct	etly copied from the original notes on file in this office.
	United States Surveyor General