G.L.O. letter "E" Apr. 1-1919.

4-679

FOOK 3040

FIELD NOTES

OF THE SURVEY OF THE

Sub	odivision Lines
	of
***************************************	FRACTIONAL TOWNSHIP 16% NORTH, RANGE 12 WEST,
	
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	y
•	
	Of the Gila and Salt River Base and Meridian,
In the Sta	te ofArizona.
	•
	EXECUTED BY
	EXECUTED BY
	EXECUTED BY Otis Ross, U. S. Surveyor,
······································	EXECUTED BY Otis Ross, U.S. Surveyor, and
	EXECUTED BY Otis Ross, U. S. Surveyor, and A. Parker Warner, U. S. Transitman,
	EXECUTED BY Otis Ross, U. S. Surveyor, and A. Parker Warner, U. S. Transitman,
In the eap	EXECUTED BY Otis Ross, U. S. Surveyor, and A. Parker Warner, U. S. Transitman, pacity of U.S. Surveyor, under instructions dated February 20, , 19
In the eap	Otis Ross. U. S. Surveyor, and A. Parker Warner, U. S. Transitman, pacity of U.S. Surveyor, under instructions dated February 20, , 19 the United States Surveyor General to govern surveys included
In the eap issued by Group No.	Otis Ross. U. S. Surveyor, and A. Parker Warner, U. S. Transitman, pacity of U.S. Surveyor, under instructions dated February 20, , 19 the United States Surveyor General to govern surveys included
In the eap issued by Group No.	Otis Ross. U. S. Surveyor, and A. Parker Warner, U. S. Transitman, Pacity of U.S. Surveyor, under instructions dated February 20, , 19 the United States Surveyor General to govern surveys included 49, which were approved by the Commissioner of the General Levels.
In the eap issued by Group No.	Otis Ross. U. S. Surveyor, and A. Parker Warner, U. S. Transitman, Pacity of U.S. Surveyor, under instructions dated February 20, , 19 the United States Surveyor General to govern surveys included 49, which were approved by the Commissioner of the General Levels.

Executed under Assignment Instructions dated November 29,1915.

Book "G"
Group 49 - - - Arizona.

BOOM 3040

INDEX DIAGRAM.

FRACL. Township 161 North, Range 12 West.

<u>anata k</u>	uurmathuu	Standard	Paralk	el North			Wenner 1
	19	5 20 1	1 L 21	22	23	24	
	14	14	11	8	5	2	
Ж.	30 1	29 1	O ₂₈	27	26 ∋2	25	
	13	12	9	7	4	1	
Guide M	31 l	32 9	33	5 34	35	36	
310 (1	6 151	
		- Surveye	d under	this Group.	. Notes i	n this bo	ok.
		- Surveye	d under	this Group.	. Notes i	n Book "D	
		- Surveye	d under	this Group.	. Notes i	n Book "E	
	- And	Sur v eÿe	d under	this Group.	. Notes i	n Book "F	•
	ucum	≃ Surveye	d under	current Gr	oup 50.		
	Musel	∠ Surveye	d under	current Gro	oup 46.		,
		Accepted	l survey	s. 22, 4.			

Surveyed under Group 41.

18 Subdivision of fraction 161 N. R. 12 W Chains Survey executed jointly by Otis Ross, U. S. Surveyor, and A. Parker Warner, U. S. Transitman. on dates shown on page 17.hereof. The instruments used are described, with record of approval by the assistant supervisor of surveys, and field tests, in Book A. The adjustments of the instruments were checked and maintained throughout the survey by frequent comparison of their indications with a meridian determined by observation on Polaris at elongation. The magnetic declination in the township is 17° E. From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., described in Book D, N.O°Ol'W., bet. secs. 35 and 36, over mountainous land, through scattering undergrowth.

Low spur, sloping W.; 45 ft. above sec. cor.

Wash, course SW.; 60 ft. below spur.; asc. SE. slope.

Set an iron post, 3 ft.long, 1 in. diam., 26 ins. in the ground, for \(\frac{1}{4} \) sec. cor., with brass cap, marked 4.95 29.90 40.00 **S35** S36 1916 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. W. of cor.
Top of spur, 340 ft. above wash, sloping S.60°W.;
desc. 340 ft., on NW. slope, to
Set a limestone rock, 20x12x4 ins., 15 ins. in the ground,
for cor. of secs. 25, 26, 35 and 36, marked with 1 notch
on each of E. and S. edges; and raise a mound of stone
2 ft. base, 1½ ft. high, W. of cor.
Impracticable on account of expense, inconvenience and
loss of time, to set iron post. 71.00 80.00 Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, palo-verde, greasewood, ocotillo, catclaw and cactus. Poor grass. East, on a random line, bet. secs. 25 and 36. Set temp. \(\frac{1}{4} \) sec.cor.

Intersect E. bdy. of Tp., 9 lks. N. of the cor. of secs. 40.00 79.70 25, 30, 31 and 36, described in Book F. Thence N.89°56'W., on a true line, bet. secs. 25 and 36, over mountainous land, through dense undergrowth. Desc. 35 ft., on NW. slope, to Wash, 30 lks. wide, course NE.; asc. 190 ft., on SE. slope, 2.95 13.85 14.50 Spur, sloping NE.; desc. 20 ft., on NW. slope, to Head of draw, course NE.; asc. 185 ft., on broken SE. slope, to
Spur, sloping NE.; desc. 40 ft., to
Head of draw, course NE.; asc. NE. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \(\frac{1}{4}\) sec. cor., with brass cap, marked 25.65 29.10 39.85

9		subdividable Table T. 161 New Revill W.	
	Chains	Subdivision of Tacle T. 16 Nov. Roul2 W.	
	*	S 25 $\frac{1}{4}$ S 36 1916 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,	-
		N. of cor. Spur, sloping NW.; 240 ft. above draw. Desc. 150 ft., on NW. slope, to Saddle in ridge which bears NE. and SW. Asc. 75 ft., to	
	64.10	Spur, sloping N.; desc. 120 ft., on NW. slope, to Head of draw, course NW.; asc. 150 ft., on NE. slope, to Spur, sloping N.; desc. 200 ft., on NW. slope, to The cor. of secs. 25, 26, 35 and 36.	
		Land, mountainous and broken. Soil, rocky: 4th rate. No timber. Undergrowth, palo-verde, greasewood, scrub oak, Spanish dagger, catclaw and cactus. Poor grass	•
	16.50 20.10	N.0°01'W., bet. secs. 25 and 26, over mountainous land, through scattering undergrowth. Desc. 500 ft., on Nw. slope, to Gulch, course N.30°W. Spur, sloping Nw.; desc. 250 ft., on N. slope, to	
-	•	Bohner Creek, containing clear water, 2 lks. wide, 3 ins. deep, course SW.; asc. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \(\frac{1}{4} \) sec. cor., with brass cap, marked \(\frac{1}{4} \)	
		S26 S25 1916 and raise a mound of stone, 2 ft. base, $l\frac{1}{2}$ ft.high, W. of cor.	
	76.00 80.00	Ridge, 800 ft. above creek, bears E. and W. Set a granite stone, 24x14x8 ins., 18 ins. in the ground, for cor. of secs. 25 & 26 & fractions. 23 & 24, marked notch on E. and 2 notches on S. edge; and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Impracticable, on account of expense, inconvenience, and loss of time, to set iron post.	
		Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, palo-verde, ocotillo, greasewood, catclaw, scrub oak, and cactus. Poor grass.	
	40.00	East, on a random line, bet. sec. 25 and fracl. sec. 24. Set temp. ½ sec. cor. Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 25 and 30 and fracl. secs. 19 and 24, described in 300k	
	6.90	Thence S.89°59'W., on a true line, bet. sec. 25 & fracl. sec. over mountainous land, through scattering undergrowth. Asc. 75 ft., on E. slope, to Top of spur, sloping S.; desc. 580 ft., on W. slope, to In wash, course SW., at bottom of gulch, Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \(\frac{1}{4}\) sec. cor., with brass cap, marked S 24	
-		\$ 25 1916	

```
Subdivisibal of fracian. 161 N.
Chains
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                N. of cor.
             Asc. E. slope, 20 ft., to
            Low spur, sloping S.; desc. 55 ft., to Gulch, course S.; asc. 625 ft., on E. slope, to Ridge bears N. and S.; desc. 85 ft., over N. slope, to The cor. of secs. 25 and 26 and fracl. secs. 25 and 24.
42.40
45.85
76.55
80.00
                Land, mountainous.
                Soil, rocky; 4th rate.
                No timber.
                Undergrowth, palo-verde, ocotillo, greasewood, catclaw
                                                                                             Poor grass.
                    scrub oak and cactus.
            N.O°Ol'W., bet. frack. secs. 25, and 24.
over mountainous land, through scattering undergrowth.
Desc. 280 ft., on NW. slope, to
Head of gulch, course W.; asc. 85 ft., on S. slope, to
Top of spur, sloping W.; desc. 145 ft., to
17.75
25.85
33.95
40.00
            Head of gulch, course W.; asc. S. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec. cor., with brass cap, marked
                                                        S23 S24
                                                          1916
                and raise a mound of stone, 2 ft. base, 12 ft. high.
                W. of cor.
            Top of spur, 210 ft. above gulch, sloping SW.

Desc. 40 ft., to

Wash, course SW.; asc. 110 ft., to

Intersect 4th St. Par. N. 82 lks. W. of the standard cor.

of secs. 31 and 32, which is an iron post, 3 ins. diam.
44.70
                with brass cap, properly marked, set and witnessed, established under current Group No. 50.
            At point of intersection
            Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fract. secs. 23 and 24, with
               brass can, marked
                                                      T17N R11W
                                                           S31
                                                        S23 S24
                                                    T16½N R12W
                                                          1916
                and raise a mound of stone, 2 ft. base, 1 ft. high,
                S. of cor.
                Land, mountainous.
                Soil, rocky; 4th rate.
                No timber.
               Undergrowth, palo-verde, ocotillo, greasewood, catclaw scrub oak, and cactus.

Poor grass.
            From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of Tp., described in Book D,
               0°01'W., bet. secs. 34 and 35, over rolling mountainous land, through scattering under
                               Asc. 35 ft., to
            Top of spur, sloping W. Desc. 200 ft., along W. slope of spur running N., to Head of gulch, course W.; asc. 175 ft., on S. slope, to
 1.00
10.00
19.55
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```
Subdivision of fract TT. 161 N. R. 12 W
Chains
            Top of spur sloping W.; desc. N. slope. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \frac{1}{4} sec. cor., with brass cap, marked
27.70
40.00
                                                         S34 S35
                and raise a mound of stone, 2 ft. base, 11 ft. high,
                W. of cor.
49.90
52.85
             Small gulch, 220 ft. below spur, course W.; asc. 30 ft., to
             Spur, sloping W.;
54.00
             Desc. 250 ft., on NW. slope, to
             Bohner Canyon, containing small stream of clear water,
            l ft. wide, 4 ins. deep, course SW.

Set a granite stone, 14x12x8 ins., 9 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 2 notches on E. and 1 notch on south edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Impracticable, on account of expense, inconvenience, and loss of time, to set iron post.
80.00
                Land, mountainous.
                Soil, rocky; 4th rate.
                No timber.
                Undergrowth, palo-verde, ocotillo, greasewood, catclaw
                     and cactus.
                                                                                                Poor grass.
             East, on a random line, bet. secs. 26 and 35.
             Set temp. \frac{1}{4} sec. cor.
40.00
             Intersect N. and S. line 5 lks. S. of the corl of secs.
80.16
                25, 26, 35 and 36.
            Thence S.89°58'W., on a true line, bet. secs. 26 and 35, over mountainous land, through dense undergrowth.

Desc. 250 ft., on NW. slope, to Head of gulch, course N.; asc. 180 ft., on NE. slope, to Spur, sloping N.; desc. 100 ft., on NW. slope, to Spur, sloping NW.; desc. SW. slope.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground and 12 ins. in a mound of stone, for \(\frac{1}{4}\) sec. cor., with brass can marked
14.50
23.00
38.90
40.08
                with brass cap, marked
                                                               S 26
                                                               S 35
1916
             and raise a mound of stone, 2 ft. base, la ft. high, N. of cor. Impracticable to set post farther in ground. Head of draw, 355 ft. below spur, course NW.; desc. 35 ft., on NW. slope, to
49.35
             Spur, sloping NW.; desc. 375 ft., on NW. slope, to Wash, 15 lks. wide, course NW.; desc. 45 ft., on NW. slope,
55.00
73.45
79 • 54
             Bohner Canyon, containing stream 3 lks. wide, 1 ft. deep,
             course SW.; asc. SE. slope.
The cor. of secs. 26, 27, 34 and 35.
80.16
                 Land, mountainous.
                 Soil, rocky; 4th rate.
                No timber.
                Undergrowth, oak brush, greasewood, catclaw, ocotillo, cactus and palo-verde. Poor grass
                                                                                                   Poor grass.
             N.0^{\circ}Ol'W., bet. secs. 26 and 27,
                over mountainous land, through scattering undergrowth.
```

Asc. steep SE. slope.

		Subdivision of Grants Tr. 161 N. 1 R. 12 W. 5	
	Chains	3	
	40.00	Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$	·
	41.80 59.80 69.70 80.00	set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground and 24 ins. in a mound of stone, for cor. of secs. 26 and 27 and fract: secs: 22 and 23, with brass cap marked 1916 and raise a mound of stone, 2 ft. base, 1½ ft. high, w. of cor. Impracticable to set post farther in ground. Land, mountainous, and rolling.	
		Soil, rocky; 4th rate. No timber. Undergrowth, palo-verde, greasewood, and cactus. Poor grass.	
	40.00 80.00	East, on a random line, bet. sec. 26 and of racl. sec. 23. Set temp. 4 sec. cor. Intersect N. and S. line 10 lks. S. of the cor. of secs. 25 and 26 and fracl. secs. 23 and 24.	
	19.45 40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \(\frac{1}{4} \) sec. cor., with brass cap, marked S 23	23.
Andrew Selection is a first or broad the container open and contract to the contract of the pathodoxy to the contract of the c	57.60 59.10 72.50	S 26 1916 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Asc. rocky NE. slope. Edge of high mesa, 585 ft. above wash, bears NW. and SE. Asc. over rolling land. Top of ascent bears N. and S.; desc. 245 ft., over rolling NW. slope, to Head of wash, course N.; asc. 75 ft., on E. slope, to The cor. of secs. 25 and 27 and fracl. secs. 22 and 23.	
		Land, mountainous and rolling. Soil, rocky; 4th rate. No timber. Undergrowth, palo-verde, greasewood, ocotillo, catclaw and cactus. Poor grass.	
	38.10 40.00	N.0°Ol'W., on a true line, bet. fracl. secs. 22 and 23, over mountainous land, through scattering undergrowth. Desc. 750 ft., on N. slope, to Small draw, course NW. Set an iron post, 3 ft. long, l in; diam., 26 ins. in the	

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Subdivision of fractor. T. 161 N., Ru
Chains
              ground, for \frac{1}{4} sec. cor., with brass cap, marked
                                                 S22 | S23
                                                   1916
              and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
              W. of cor.
           Asc. 25 ft., to
Top of low spur, sloping NW.; desc. 220 ft., to
43.70
           Bull Canyon, containing stream of clear water, 2 lks. wide, 2 ins. deep, course Sw.; asc. 130 ft., on SE. slope, to Intersect 4th St. Par. N. 83 lks. W. of the standard cor. Tps. 17 N., Rs. 11 and 12 W., which is an iron post, 3
56.30
63.00
              ins. diam., with brass cap, properly marked, set and wit
              nessed; established under current Group No. 50.
           At point of intersection
           Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 22 and 23, with
              brass cap, marked
                                                T17N R12W
                                                    S36
                                                R12W R11W
S22 S23
                                                   1916
              and raise a mound of stone, 2 ft. base, l^{\frac{1}{2}} ft. high,
              S. of cor.
              Land, mountainous.
              Soil, rocky; 4th rate.
              No timber:
              Undergrowth, palo-verde, greasewood, catclaw, ocotillo,
                   and cactus.
                                                                                 Poor grass.
                                                              w i by
           From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp.,
              described in Book D,
           N.0^{\circ}02^{\dagger}W., bet. secs. 33 and 34,
              over mountainous land, through scattering undergrowth.
           Asc. 250 ft., on S. slope, to Top of spur, sloping S.70°W.; desc. 290 ft., to
10.85
           Gulch, course W.; asc. 175 ft., on S. slope, to Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground and 14 ins. in a mound of stone, for \(\frac{1}{4}\) sec. cor.,
22.55
40.ÓÓ
              with brass cap, marked
                                                  S33 S34
           and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to set post farther in ground. Point of spur, sloping W.; desc. 185 ft., on N. slope, to Wash, course NW.; asc. 45 ft., to
43.00
54.65
59.60
           Spur, sloping W.
Wash, course S.20°W.; asc. 295 ft., on SE. slope, to
Set an iron post, 3 ft. long, 2 ins. diam., in a mound
of stone, for cor. of secs. 27, 28, 33 and 34, with brass
64.60
80.00
              cap, marked
                                                T16½N R12W
S28 S27
                                                   S33 S34
              and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
              W. of cor.
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Subdivision of fracipin. 161 N. R. 12 W
Chains
              Impracticable to set post in the ground.
              Land, mountainous and broken.
              Soil, rocky; 4th rate.
              No timber.
              Undergrowth, scattering greasewood, palo-verde, ocotillo,
                 catclaw and cactus.
                                                                                   Poor grass.
           East, on a random line, bet. secs. 27 and 34. Set temp. 2 sec. cor.
40.00
           Intersect N. and S. line 2 lks. N. of the cor. of secs.
80.26
              26, 27, 34 and 35.
           Thence N.89°59'W., on a true line, bet. secs. 27 and 34, over mountainous land, through dense undergrowth.
           Asc. 215 ft., to
Spur, sloping SW.; desc. 40 ft., on NW. slope, to
Head of wash, 50 lks. wide, course SW.; asc. 130 ft.,
on SE. slope, to
15.90
18.80
          Spur, sloping SW.; desc. 25 ft., on SW. slope, to
Head of draw, course SE.; asc. 100 ft., on E. slope, to
Spur, sloping S.; desc. 35 ft., on SW. slope, to
Wash, near head, 10 lks. wide, course S.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for \(\frac{1}{4}\) sec.cor., with brass cap, marked
22.00
24.00
31.25
39.35
40.13
                                                     S 27
                                                     S 34
                                                     1916
              and raise a mound of stone, 2 ft. base, 12 ft. high.
              N. of cor.
41.35
49.90
53.70
56.20
           Ridge, in saddle, bears SW. and NE.
           Head of draw, course SW.
           Spur, sloping SW.
           Gulch, 20 lks. wide, on bottom, course SW.; asc. 90 ft. on
              SE. slope, to
           Spur, sloping S.; desc. 80 ft., on SW. slope, to Gulch, 2 chs. wide, course S.; asc. 60 ft., to The cor. of secs. 27, 28, 33 and 34.
64.85
77.75
80.26
              Land, mountainous.
              Soil, rocky; 4th rate.
              No timber.
              Undergrowth, palo-verde, ocotillo, greasewood, catclaw
                                                                                Poor grass.
                 and cactus.
          N.0°02'W., bet. secs. 27 and 28, over mountainous land, through scattering undergrowth. Asc. 410 ft., on SE. slope, to Spur, sloping W.; desc. N. slope.
15.25
           Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec. cor., with brass cap, marked
40.0Ó
                                                S28 S27
                                                  1916
             and raise a mound of stone, 2 ft. base, 12 ft. high.
             W. of cor.
           Gulch, 500 ft. below spur, course W.; asc. 135 ft., on
42.20
              S. slope, to
          Spur, sloping S.60°W.; desc. 210 ft., on N. slope, to Wash, course SW.
52.60
74.30
80.00
           Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
             ground and 18 ins. in a mound of stone, for cor. of secs. 27, and ,28 and fract. secs. 22 and ,22, with brass cap, marked
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Subdivision of fract. T. 161 No. R. 12 W
Chains
                                             T16 N | R12W
                                                S21 S22
                                                S28 S27
                                                  1916
             and raise a mound of stone, 2 ft. base, 12 ft. high,
             W. of cor.
             Land, mountainous.
             Soil, rocky; 4th rate.
             No timber.
             Undergrowth, palo-verde, ocotillo, greasewood, catclaw
                and cactus.
                                                                                  Poor grass.
          East, on a random line, bet. sec. 27 and fracl. sec. 22. Set temp. \( \frac{1}{4} \) sec. cor.

Intersect N. and S. line 19 lks. S. of the cor. of secs. 26, and 27, and fracl. secs. 22 and 23.
40.00
80.06
          Thence S.89°52'W., on a true line, bet.sec.27 & frac1.sec.22.
             over broken mountainous land, through scattering under-
             growth.
 2.00
          Edge of high mesa bears NE. and SW.; desc. over abrupt
             NW. slope.
          Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec. cor., with brass cap, marked
40.03
                                                   S 22
                                                   S 27
                                                   1916
             and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high.
             N. of cor.
          Desc., on W. slope.
          Enter wash, 1050 ft. below mesa, course W.
69.60
74.60
80.06
          Leave wash, course SW. The cor. of secs. 27 and 28 and frac1. secs. 21 and 22.
             Land, mountainous.
             Soil, rocky: 4th rate.
             No timber.
             Undergrowth, greasewood, palo-verde, ocotillo, catclaw
                and cactus.
                                                                                  Poor grass.
          N.0°02 W., on a true line, bet. fracl. secs. 21, and 22,
             over mountainous land, through scattering undergrowth.
          Ridge bears E. and W.; desc. 30 ft., to
Head of wash, course W.; asc. 135 ft., on S. slope, to
Top of spur, sloping SW.; desc. 295 ft., on NW. slope, to
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for \( \frac{1}{4} \) sec. cor., with brass cap, marked
 5.00
10.00
40.0Ó
                                               $21 | S22
                                                1916
             and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
             W. of cor.
          Bull Canyon, containing stream of clear water, 2 lks. wide,
41.80
             2 ins. deep, course SW.; asc, 210 ft., to int of spur. sloping W.; desc. 75 ft., to
          Point of spur, sloping W.; desc. 75 ft., to Intersect 4th St. Par. N. 85 lks. W. of the standard cor. of secs. 35 and 36, which is an iron post, 3 ins. diam., with brass cap, properly marked, set and witnessed; established under current Group No. 50.
          At point of intersection
          Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
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300K_ 3040

=	·	Subdivision of fraction T. 16% N. R. 12 W.	9
	Chains	ground, for closing cor. of fracl. secs. 21, and 22, with	n
	,	brass cap, marked T17N R12W S35	
		S21 S22	
		T16½N C C	
-		1916 and raise a mound of stone, 2 ft. base, $l\frac{1}{2}$ ft. high, S. of cor.	•
		Land, mountainous. Soil, rocky; 4th rate.	
		No timber. Undergrowth, palo-verde, ocotillo, greasewood, catclaw and cactus. Poor grass.	
		From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp. described in Book D,	•
	,	N.0°02'W., bet. secs. 32 and 33, over mountainous land, through dense undergrowth. Asc. 290 ft., on SE. slope, to	
	29.60 40.00	Top of ridge bears NE. and SW.; desc. NW. slope. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and 8 ins. in a mound of stone, for \(\frac{1}{4} \) sec. cor., with brass cap, marked	
		1	
	•	\$32 \ \$33 1916	
	•	and raise a mound of stone, 2 ft. base, $l\frac{1}{2}$ ft. high, W. of cor.	
	76.35 80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground and 12 ins. in a mound of stone, for cor. of sec	∋ 3•
		28, 29, 32 and 33, with brass cap, marked T16\frac{1}{2}N R12W S29 S28	
		S32 S33	
		1916 and raise a mound of stone, 2 ft. base, $l\frac{1}{2}$ ft. high, W. of cor. Impracticable to set post farther in ground.	,
		Land, mountainous and broken. Soil, rocky; 4th rate.	
		No timber. Undergrowth, palo-verde, greasewood, ocotillo, catclaw and cactus. Poor grass.	
	•		
	40.00	East, on a random line, bet. secs. 28 and 33. Set temp. $\frac{1}{4}$ sec. cor.	
	80.00	Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34.	
	• • •	Thence West, on a true line, bet. secs. 28 and 33, over mountainous land, through dense undergrowth. Asc. 35 ft., on SE. slope, to	
	3.55 4.95 9.95	Spur, sloping S. Draw, course S.; asc. SE. slope. Ridge, bearing NW. and SE.; in saddle.; desc. 140 ft., on broken SW. slope. to	

BCCK 3040

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10
                            Subdivision of fract. 7. 164 N. R.
     Chains
                  Head of draw, course SW.; desc. 75 ft., to
     19.65
                  Head of draw, course SW.
      34.60
                  Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \frac{1}{4} sec. cor., with brass cap, marked
     40.00
                                                                     S 28
                                                                     S 33
1916
                  and raise a mound of stone, 2 ft. base, l\frac{1}{2} ft. high, N. of cor. Desc. 300 ft., to Gulch, 35 lks. wide, course SW.; asc. 125 ft., on SE. slope,
     57 • 35
                  Ridge bears NE. and SW.; desc. 70 ft., on NW. slope, to Wash, 20 lks. wide, course SW.; asc. 50 ft., on SE. slope,
     67.50
74.30
     80.00
                  The cor. of secs. 28, 29, 32 and 33.
                      Land, mountainous and broken.
                      Soil, rocky; 4th rate.
                      No timber.
                      Undergrowth, palo-verde, greasewood, ocotillo, scrub oak, catclaw and cactus. Poor grass.
                  N.0°02'W., bet. secs. 28 and 29,
                      over mountainous land, through dense undergrowth.
                  Asc. 60 ft., on SE. slope, to Spur, sloping SW.
       4.90
                  Spur, sloping Sw.

Spur, sloping W.; desc. 85 ft., on NW. slope, to

Wash, near head, course W.; asc. 125 ft., on SW. slope, to

Ridge bears SW. and NE.; desc. 90 ft., on NW. slope, to

Head of wash, course NW.; asc. 25 ft., to

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the

ground and 10 ins. in a mound of stone, for \(\frac{1}{4}\) sec. cor.
     9.90
18.80
     32.50
37.50
40.00
                      with brass cap, marked
                                                                S29 S28
                                                                 1916
                  and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to set post farther in ground. Spur, sloping NW.; desc. 140 ft., on N. slope, to Bull Canyon, 2.50 chs. wide on bottom, course W.
     59.00
     59.50
                  Stone cabin bears W., 5 chs. dist.
Corral, 3 chs. long on E. and W. sides and 1 ch. wide, bears W., 2 chs. dist.
Asc. 470 ft., on broken SE. slope, to
                  Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground and 14 ins. in a mound of stone, for cor. of secs.
     80.00
                      28, and 29 and fract. secs. 20 and 21, with brass cap, marked T162N R12W S20 S21
                      marked
                                                               S29 S28
                                                                 1916
                     and raise a mound of stone, 2 ft. base, la ft. high, W. of cor. Impracticable to set post farther in ground.
                      Land, mountainous and broken.
                      Soil, rocky: 4th rate.
                      No timber.
                      Undergrowth, palo-verde, ocotillo, greasewood, scrub oak catelaw and cactus.
                      Poor grass.
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		Subdivision of fractor T. 161 N. R. 12 W.	דר
	Chains		
	40.00 80.00	East, on a random line, bet. sec. 28 & fracl. sec. 21. Set temp. \(\frac{1}{4} \) sec. cor. Intersect N. and S. line 5 lks. N. of the cor. of secs. 27 and 28 and fracl. secs. 21 and 22.	TREATMENT AND THE CONTRACT OF
	18.65 34.30 40.00	Thence N.89°58'W., on a true line, bet. sec.28 & fracl.secover mountainous land, through scattering undergrowth. Asc. 60 ft., on SE. slope, to Ridge bears NE. and SW.; desc. 270 ft., on NW. slope, to Small gulch, course N.30°W.: asc. NE. slope. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., with brass cap, marked S 21	
	50.00 69.35 80.00	S 28 1916 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Point of spur, 95 ft. above gulch, sloping N.; desc. 300 ft., on NW. slope, to Bull Canyon, containing clear stream, 12 ins. wide, 1 in. deep, course SW.; asc. 365 ft., on rocky SE. slope, to The cor. of secs. 28 and 29 and fract. secs. 20 and 21.	
		Land, mountainous. Soil, rocky and gravelly; 4th rate. No timber. Undergrowth, palo-verde, greasewood, ocotillo, catclaw and cactus. Poor grass.	
e ja manda delegi anda delegi	5.00 11.95 22.75 24.80 32.45 34.75 40.00	N.0°02'W., on a true line, bet. fract. secs. 20 and 21, over mountainous land, through dense undergrowth. Desc. 35 ft., on NE. slope, to Ridge bears NE. and SW.; desc. 70 ft., on NW. slope, to Head of draw, course SW.; asc. 110 ft., on broken SW. slope, to Spur, sloping SW.; desc. 30 ft., on NW. slope, to Head of draw, course SW.; asc. 40 ft., on SE. slope, to Spur, sloping SW.; desc. 15 ft., on N. slope, to Head of draw, course W.; Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 4 sec. cor., with brass cap, marked	
POTENT AND A STREET OF THE PROPERTY OF THE PRO	44.60 49.22 51.20 62.92	S20 S21 1916 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Desc. 110 ft., to Gulch, 35 lks. wide on bottom, course SW.; asc. 130 ft., on NE. slope, to Spur, sloping E.; desc. 25 ft., to Draw, near head, course SE.; asc. 110 ft., on S. slope, to Intersect 4th St. Par. N. 84 lks. W. of the standard cor. of secs. 34 and 35, which is an iron post, 3 ins. diam. with brass cap, properly marked, set and witnessed; established under current Group No. 50.	
THE RESIDENCE PROFESSION OF STREET WAS A STREET, ASSESSION OF THE PROFESSION OF THE		At point of intersection Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 20 and 21, with brass cap, marked T17N R12W S34 S20 S21 T16½N R12W C C	

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Subdivision of fract of T. 161 N.
Chains
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                S. of cor.
                Land, mountainous and broken.
                Soil, rocky; 4th rate.
                No timber.
                Undergrowth, palo-verde, oak brush, greasewood, ocotilld,
                   catclaw and cactus.
                                                                                                Poor grass.
            From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp.,
               described in Book D,
            N.0°03'W.,
                              bet. secs. 31 and 32,
                over rolling and broken hills, through scattering undergrowth.
           Point of low spur, sloping W.
Wash, course W.; asc. 95 ft., on S. slope, to
Spur, sloping SW.; thence along W. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec. cor., with brass cap, marked
25.00
26.65
31.90
40.00
                                                       S31 S32
                                                         1916
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
           w. of cor.

Asc. gradually, 60 ft., on W. and SW. slope, to
Top of spur, sloping SW.; desc. 70 ft., to
Wash, course W.; asc. 45 ft., to
Spur, sloping W.; desc. 20 ft., to
Small draw, course W.; asc. 80 ft., to
Top of spur, sloping W.; desc. 170 ft., to
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground, for cor. of secs. 29, 30, 31 and 32, with brass
cap. marked
56.00
64.85
67.75
69.70
74.60
80.00
                cap, marked
                                                     T16½N R12W
S30 S29
                                                         S31 S32
                and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                Land, rolling and broken hills. Soil, rocky; 4th rate.
                No timber.
                Undergrowth, palo-verde, ocotillo, greasewood, catclaw
                    and cactus.
                                                                                      Poor grass.
            East, on a random line, bet. secs. 29 and 32. Set temp. \frac{1}{4} sec. cor. Intersect N. and S. line 9 lks. S. of the cor. of secs.
40.00
80.02
                28, 29, 32 and 33.
             Thence S.89°56'W., on a true line, bet. secs. 2° and 32, over mountainous land, through dense undergrowth.

Desc. 30 ft., on S. slope, to
Spur, sloping SW.; desc. 110 ft., on NW. slope, to
  5.00
             Wash, 20 lks. wide, course SW.; asc. 75 ft., on broken
14.85
                SE. slope, to
 28.95
             Ridge, sloping SW.; desc. 110 ft., on NW. slope, to
             Wash, 40 lks. wide, course SW.;
Set an iron post, 3 ft. long, 1 in. diam., 26 ins in the ground, for \(\frac{1}{4}\) sec. cor., with brass cap, marked
 38.6Ó
 40.01
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		Subdivision of fract. T. 16 N. R. 12 W.	,
	Chains		=
		\$ 29 \frac{1}{4}	
		\$ 32 1916	
		and raise a mound of stone, 2 ft. base, 12 ft. high.	
	50.00	N. of cor. Ridge bears NE. and SW.; desc. 320 ft., on NW. slope, to	
	80.02	The cor. of secs. 29, 30, 31 and 32.	
		Land, mountainous and broken.	
		Soil, rocky; 4th rate. No timber.	
		Undergrowth, palo-verde, oak brush, greasewood, ocotillo	,
		catclaw and cactus. Poor grass.	
		West, on a true line, bet. secs. 30 and 31, over mountainous land, through scattering undergrowth.	
		Desc. 60 ft., to	
	4.90	Bull Canyon, course SW.; thence down canyon. Leave canyon, and asc. 260 ft., on SE. slope, to	
	40.00	Set an iron post, 3 ft.long, 1 in. diam 26 ins. in the	
		ground, for \(\frac{1}{4}\) sec. cor., with brass cap, marked S 30	
	-	\$ 31	
		1916	
		and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.	
	41.00	Spur, sloping SW.; desc. 115 ft., on NW. slope. to	
	59.90 64.90	Enter wash, course SW. Leave wash.	
	66.60	Point of spur, sloping S.	
	73.85 78.00	Same wash, course N.60°W. Intersect W. bdy. of Tp.,(3rd G. M. W.), 5.45 chs. N. of	
		the cor. of secs. 25, 30, 31 and 36, which is an iron post, 3 ins. diam., with brass cap, marked, set and with	
	• • • • •	nessed as described by the surveyor general.	
		I change this cor. to a cor of secs. 25 and 36, and the sec. cors. bet. secs. 31 and 36, and bet. secs. 25 and	
	4	30, to \(\frac{1}{2}\) sec. cors. of secs. 36 and 25 respectively.	
		by obliterating the marks relating to the areas E. of the range line.	
		At point of intersection	
		Set an iron post, 3 ft. long, 2 ins. diam. 24 ins. in the	
		ground, for closing cor. of secs. 30 and 31, with brass cap, marked	
		$\mathtt{T16}\frac{1}{2}\mathtt{N}$	
		R13W R12W S30	
		S25 S30 CC S31	
		1916 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,	
		E. of cor.	
		Land, mountainous.	
-		Soil, rocky; 4th rate. No timber.	
	*	Undergrowth, palo-verde, greasewood, ocotillo, catclaw	
		and cactus. Poor grass.	
	•	From cor.of secs.29,30,31 and 32,	
		N.0°03'W., bet. secs. 29 and 30, over mountainous land, through scattering undergrowth.	
	F 00	Desc. 40 ft., to	
	5.00	Bull Canyon, course Sw.	
- 1		ı	

BOCK 3040

14.90

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14
                Subdivision of fract. 1. 161 N. R.
Chains
          Leave canyon, and asc. 360 ft., on SE. slope, to Spur, sloping SW.; thence along W. slope. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec. cor., with brass cap, marked
10.00
36.45
40.00
                                                 S30 S29
                                                  1916
            and raise a mound of stone, 2 ft. base, 1 ft. high,
             W. of cor.
           Asc. 30 ft., to Point of spur, sloping W.; desc. 60 ft., to
42.95
          Point of spur, sloping W.; desc. 60 ft., to Small draw, course SW.; asc. 125 ft., to Top of spur, sloping SW.; desc. 100 ft., to Set an iron post, 3 ft. long, 2 ins. diam., 24 ins.in the ground, for cor. of secs. 29, and 30 and fracl. secs. 19 and, 20, with brass cap, marked T16½N R12W

S19 S20
49.96
80.00
                                                   $30 S29
              1916 and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
             W. of cor.
           Land, mountainous.
              Soil, rocky; 4th rate.
              No timber.
              Undergrowth, palo-verde, greasewood, ocotillo, catclaw,
                      and cactus.
                                                                               Poor grass.
           East, on a random line, bet. sec. 29 and fract. sec. 20. Set temp. \frac{1}{4} sec. cor.
40.00
           Intersect N. and S. line 3 lks. S. of the cor. of secs.
80.00
              28, 29, and fracl. secs. 20 and 21.
           Thence S.89°59 W., on a true line, bet. sec..29 & fracl, sec.20, over mountainous land, through scattering undergrowth.
              Desc. 280 ft., on NW. slope, to
20.00
           Wash, course SW.
           Asc. SE. slope.
35.00
40.00
           Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
              ground, for \frac{1}{4} sec. cor., with brass cap, marked
                                                      S 20
                                                      S 29
                                                      1916
              and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
              N. of cor.
           Summit of ascent, 135 ft. above 35 ch. pt.
Top of spur, sloping SW.; desc. 100 ft., over rolling
and broken land, to
The cor. of secs. 29 and 30, and fracl. secs. 19 and 20.
44.75
80.00
              Land, mountainous, and rolling.
              Soil, rocky; 4th rate.
              No timber.
              Undergrowth, palo-verde, greasewood, catclaw and cactus.
              Poor grass.
           West, on a true line, bet. sec. 30 and fracl. sec. 19, over mountainous land, through dense undergrowth.
              Desc. 60 ft., on NW. slope, to
          Wash, 150 lks. wide, course SW. Same wash, 100 lks. wide, course NW.; asc. 70 ft., on broken NE. slope, to
 9.90
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30CK 3040

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Subdivision of fraction 16 No. R. 12 W
Chains
            Spur, sloping NW.; desc. NW. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
31.50
40.ÓO
                ground, for 4 sec. cor., with brass cap, marked
                                                            S 19
                                                            S 30
                                                            1916
                and raise a mound of stone, 2 ft. base, la ft. high.
                N. of cor.
            Same wash, 70 ft. below spur, course SW.; asc. SE. slope. Spur, sloping S.; desc. 270 ft., on SW. slope, to Same wash, course NW.; asc. NW. slope, 35 ft., to Intersect W. bdy. of Tp.,(3rd G. M. W.), 5.55 chs. N. of the cor. of secs. 25, and 30 and fract. secs. 19 & 24, which is an irompost, 3 ins. diam., with brass cap, marked, cot and witnessed as described by the Surveyor-General.
45.00
57.80
74.10
77•75
                set and witnessed as described by the Surveyor-General.
                I change this cor. to cor. of sec.25 and fract. sec. 24 and the disect cor. bet. fract. secs. 19 and 24, to disec.
               cor. of fracl. sec. 24, by obliterating the markings or relating to the areas E. of range line.
            At point of intersection
            Set an iron post, 3 ft.long, 2 ins. diam., 24 ins. in the ground, for closing cor. of sec. 30 & frac 1. sec. 19. with
               brass cap, marked
                                                   T16\frac{1}{2}N | T16\frac{1}{2}N
                                                              S19
                                                       S24
                                                             ---- CC
                                                              S30
                                                     R13W R12W
                                                        1916
               and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
               E. of cor.
            Land, mountainous.
               Soil, rocky; 4th rate.
               No timber.
               Undergrowth, palo-verde, greasewood, ocotillo, catclaw
                 oak brush and cactus.
                                                                                       Poor grass.
            From cor.of secs.29,30, and fracl. secs.19 and 20, N.0°03'W., on a true line, bet fracl. secs. 19 and 20, over rolling and broken land, through scattering under-
           growth. Desc. 40 ft., to
Wash, course W.; asc. 140 ft., on S. slope, to
Spur, sloping W.; desc. 75 ft., to
Wash, course W.; asc. 80 ft., on S. slope, to
Spur, sloping W.; desc. 130 ft., on N. slope, to
8.95
27.00
32.10
39135
            Wash, course W.
            Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for \frac{1}{4} sec. cor., with brass cap, marked
40.00
                                                      S19 S20
               and raise a mound of stone, 2 ft. base, 12 ft. high.
               W. of cor.
            Asc. 110 ft., on S. slope, to
            Top of spur, sloping SW.; desc. 60 ft., to
Intersect 4th St. Par. N. 100 lks. W. of the standard cor.
of secs. 33 and 34, which is an iron post, 3 ins. diam.
with brass cap, properly marked, set and witnessed;
56-00
63.15
               established under current Group No. 50.
            At point of intersection
            Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
               ground, for closing cor. of fracl. secs. 19, and 20, with
```

brass cap, marked

Subdivision of fracl.T. 161 N. R. 12 W.

Chains

1916

and raise a mound of stone, 2 ft. base, $l_{2}^{\frac{1}{2}}$ ft. high, S. of cor.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, palo-verde, greasewood, catclaw and cactus. Poor grass.

Boundaries of frack. T. 16 N., R. 12 W.

Latitudes, Departures, and Closing Errors.

Line de	signated	True Course	Dist.	Latit	tudes	Depart	ures
	·		chs.	N. chs.	s. chs.	E. chs.	W. chs.
South B	oundary	West	478.03				478.03
3rd G.		North	223.50	223.50			
4th St.	oundary, Par. N.		477.72			477.72	
East Bo	undary	South	223.00		223.00		
Converg	ency			,		•23	
Totals				223.50 223.00	223.00	477.95	478.03 477.95
Error i	n latitu	de		•50	<i>i</i> .		
Error i	n depart	ure				-	•08

- GENERAL DESCRIPTION.

This township is very rough and mountainous in the eastern part, sloping towards the west, where the land is less rugged. The drainage is westerly, into Big Sandy River. Bohner and Bull Canyons are the principal water courses, and have water near their heads, which, in their lower courses sinks in the sandy washes.

courses sinks in the sandy washes.
The soil is rocky, and nowhere suited to agriculture.
It supports a scant growth of grass, and abundance of palo-verde, greasewood, scrub oak, ocotillo, catclaw and cactus. The land is valuable chiefly for grazing purposes.

Several tungsten prospects in the eastern part of the township constitute the sum of observed mineral indications.

There are no settlers.

Book "G"

Group 49, Arizona.

Fracl. Township $16\frac{1}{2}$ North, Range 12 West.

800K, 6040

DATE DIAGRAM.

	/th.	Standard	Parallel	North.			
,	o	9,	9	9	,		9
,	19	20 0	21	22 ~	23 N	24	/-8/
•	2-26-16	2-25-16	2-19-16	2-19-16 N	2-19-16	2-19-16	d.
	9	9/-	Q	, , ,	9/		16
W	30 1-52	2 9 5	28 ,	27	26 ' ກ	25	1-81-
Ų.	2-24-16	2-25-16	2-35-16 N	2-24-16	2-24-16	2-24-16	2
Mer	O	9	9	<u>o</u>	, Ø		و
Se	3k _ 3	32	33	34	35	36	/-8/
Guide	0		2-1	2-2			Ŋ
B	2-7-16	2-7-16	2-7-16	2-7-16	2-7-16	2-5-16	-
Ŋ	•	. १ ४	•				
							•

Lines dated in red were surveyed by Otis Ross, U. S. Surveyor.

Lines dated in blue were surveyed by A. Parker Warner, U. S. Transitman.

FOR LIST OF ASSISTANTS, SEE BOOK "A."

18.

POOFFEE

For certificates of U. S. Surveyor and U. S. Transitman, see Book "A".

APPROVAL

Office of United States Surveyor-General,

Phoenix, Arizona. JUN 27 1918

The foregoing field notes of the survey of the Subdivisional Lines of

FRACTIONAL TOWNSHIP 162 NORTH, RANGE 12 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Otis Ross, U. S. Surveyor, and A. Parker Warner, U. S. Transitman, under special instructions dated February 20, 1915, for Group 49, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

Front P. S-ot

U.S. Surveyor-General.