

"I."

*Subdivisions.*

*of*

*T. 27, N., R. 5, E.*

*by*

*Lewis Wolfley*

BOOK 529

4-671

**FIELD NOTES**

**GENERAL LAND OFFICE.**

529

*No. 529*

No. 529

BOOK 529

Field Notes  
of the survey of the  
Subdivisional Lines  
of  
Tract T. 27, N., R. 5. E.  
of the  
Gila Salt River Meridian,  
Territory of Arizona.  
as surveyed by  
Lewis McFley,  
U. S. Dep. Surveyor,  
under his  
Contract No. 72,  
dated June 10<sup>th</sup> 1900.

Survey commenced Sept. 7<sup>th</sup> 1900.  
Survey completed Sept. 8<sup>th</sup> 1900.

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Frac<sup>l</sup> Township 27, North., R. 5, East.

BOOK 529      BOOK 529

6	21	5	17	4	12	3	8	2	4	1
26	23	19	14	10	6					

For preliminary catha see  
Book "B" T. 29 N., R. 4. E.

Subdivisions T. 27 N., R. 5 E.  
chain

4

Sept. 7, at 7 A.M. Cont. St. Lay off  
 $35^{\circ}44'09.2''$  N. on lat. arc. and  $6^{\circ}$   
 $09'$  N. on decl. arc and determine  
 the true meridian with the  
 solar at the cor. to secs. 1, 2,  
 35 and 36, Tp. 27 and 28 N.,  
 R. 5 E.

Thence Iron

$00^{\circ}01'$  E bet. secs. 1 and 2.

Level.

Open park

2.50 Enter dense cedar and junon.

14.00 Enter open park.

20.00 Enter dense cedar and junon  
 and ascend rapidly, gradually.

27.00 Enter open park - Level.

40.00 Set a piron post 2 ft. long,  
<sup>24</sup> 24 in. in ground for  $\frac{1}{4}$  sec.

cor. bet. secs. 1 and 2 marked  
 $\frac{1}{4}$  P. 2 on N. face and P. 1 on

Subdivisions T. 27, N, R. 5-E.

cho

E. face, from which  
 A pinon 12 ins. in diam.  
 brs  $D. 46^{\circ} 15' E. 97$  lks. dist. mar-  
 ked  $\frac{1}{4} P. 1. B. T.$

A cedar 18 ins. in diam brs.  
 $D. 42^{\circ} 30' N. 115$  lks. dist. mar-  
 ked  $\frac{1}{4} P. 2. B. T.$

Level.

Enter dense forest swept cedar  
 and pinon standing and  
 fallen.

Descend gradually - Rocky.

48.00 Enter dense live cedar and  
 pinon.

64.00 Ascend rapidly - Rocky.

73.00 Enter open park.

75.00 Level and rocky.

80.00 Get a limestone  $8 \times 11 \times 5$  ins.

$\frac{1}{2}$  in ground for cor of sec.

1, 2, 11 and 12, marked with

Subdivisions T. 27 N, R. 5 E  
chs.

5 patches on P. and 1 patch on E  
edges; dug pits 15x15x12 ins. in  
each sec. 5 1/2 ft. dist. and rais-  
ed a mound of earth 4 ft.  
base 2 ft. high. Pt. of cor.

Sell 4<sup>th</sup> rate.

Formation volcanic lime  
character mountainous.

28.50 chs. open ground.

53.62<sup>chs</sup> heavy timber - dense brush.

82.12 chs. mountainous in character.

— " —

P. 89° 59' E on a random line  
bet. secs. 1 and 12.

4000 Set a temporary 1/4 sec. cor.

80.00 Intersect N and P. line 2 lks.

P. of cor. to secs. 1, 6, 7 and 12.

Thence I run

West on a true line bet. secs.  
1 and 12.

Subdivisions - T. 27 N., R. 5, E.  
 Cho.

Level - Open park.

- 12.00 Enter dense cedar and fir.
- 40.00 Set a firion post 8 ft. long, 3  
 ins. sq. 24 ins. in ground for  
 $\frac{1}{4}$  sec. cor. bet. secs. 1 and 12  
 marked  $\frac{1}{4}$  P. 1, B. T. on N face  
 and S. 12 on P face, from  
 which, a cedar 14 ins. in  
 diam. brs. P.  $40^{\circ} 30'$  St. 90 lks.  
 dist. marked  $\frac{1}{4}$  P. 12, B. T.  
 A cedar 10 ins. in diam brs.  
 N  $57^{\circ} 30'$  St. 118 lks. dist. mar-  
 ked  $\frac{1}{4}$  P. 1, B. T.
- 50.00 Rolling ground.
- 57.00 Head of rocky canon counse S. N. W. 1/4
- 64.00 Descend gradually - Rocky.
- 70.00 Descend rapidly - Rocky.
- 75.00 Descend gradually and enter  
 open park.
- 79.50 Cross trail brs. N<sup>th</sup> P<sup>ly</sup>.



Subdivisions T. 27 N., R. 5, E.

Chs.

Level.

80.00 The cor. to secs. 1, 2, 11 and 12.

Soil 4<sup>th</sup> rate.Formation volcanic lime  
character mountainous.

17.00 Chs. Open ground.

65.08 Chs. Heavy timber - dense brush.

82.08 Chs. Mountainous in character.

From the cor. to secs. 2, 3, 34

and 35 - on N. Bdy. From

2000' E bet. secs. 2 and 3.

Descend abruptly over lime ledge.

Dense cedar and pinon.

7.00 Descend gradually.

9.60 Cross wagon road and  
ascend gradually.

25.00 Descend gradually.

34.00 Enter open park and as-  
and gradually.

Subdivisions T. 27 N., R. 5 E.  
chs.

40.00 Set a limestone 18x12x5 in  
 $\frac{2}{3}$  in ground for  $\frac{1}{4}$  sec. cor.  
 bet. secs. 2 and 3, marked  
 $\frac{1}{4}$  P. on N. face, from which  
 a cedar 6 ins. in diam. br.  
 P. 87° E. 94 lks. dist. marked  
 $\frac{1}{4}$  P. 2 B.T.  
 No other trees in limit.

Ascend gradually - Rolling ground

44.00 Enter dense cedar and pinon  
 Rocky.

67.00 Open park.

80.00 Set a pinon pest 3 ft. long,  
 4 ins. sq. 24 ins. in ground  
 for cor. of secs. 2, 3, 10 and  
 11, marked T. 27 N. P. 2 on  
 N.E., R. 5 E. P. 11 on P. E.  
 P. 10 on P. St.

P. 3 on N. St. faces with  
 5 notches on P. and 2

Subdivisions  
chs.

T 27 N, R. 5 E.

notches on E edges; from which a  
 pin on 12 ins. in diam. brs. S 44° W.  
 245 lks. dist. marked T 27 N, R. 5 E, P. 10.  
 B. T., A pin on 12 ins. in diam. brs. N 67° 45'  
 E. 268 lks. dist. marked T 27 N, R. 5 E, P. 2, B. T.  
 No other trees in limits. Soil 4<sup>th</sup> rate.  
 Formation volcanic lime.  
 Character mountainous.  
 23.00 chs. open ground.  
 63.07 chs. Heavy timber - dense brush.  
 86.07 chs. Mountainous in character.  
 P. 89° 59' E. on a random line bet.  
 secs. 2 and 11.

40.00 Sect. temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N 2<sup>nd</sup> S. line at. cor. to secs.  
 1, 2, 11 and 12; Thence I run  
 N 89° 59' W. bet. secs. 2 and 11, on  
 a true line. Level open park.

10.00 Ascend gradually.

14.00 Enter dense cedar and pinon.

## Subdivisions T. 27, N., R. 5, E.

Ch.

- 26.00 Ascend rapidly - Rocky.
- 30.50 Level and along lime ridge.
- 40.00 Set a pin on post 3 ft. long 3 ins. sq. 24 ins. in ground for  $\frac{1}{4}$  sec. cor. bet. secs. 2 and 11, marked  $\frac{1}{4}$  S. 2 on N face and S. 11, on P. face, from which, a pin on 8 ins. in diam. brs. N  $31^{\circ}45'$  N. 42 lks. dist. mark. ed  $\frac{1}{4}$  S. 2, B. T., a pin on 6 ins. in diam. brs. S.  $2^{\circ}30'$  N. 44 lks. dist. marked  $\frac{1}{4}$  S. 11, B. T. Along lime ledge.
- 49.50 Open park and ascend gradually.
- 54.00 Enter dense cedar and pinon.
- 65.00 Level - Rocky.
- 76.75 Open park.
- 80.00 The cor. to secs. 2, 3, 10<sup>th</sup> and 11. Sell 4<sup>th</sup> rate.

Subdivisions T. 27 N., R. 5 E.  
chs.

Formation volcanic lime.

Character mountainous.

21.75 Chs. Open ground.

59.11 Chs. Heavy timber dense brush.

50.86 Chs. mountainous in character

From the cor. to secs. 3, 4, 33  
and 34 on N. bdy. E run

$20^{\circ}02'$  E bet. secs. 3 and 4.

Level and Rocky.

Dense cedar and juniper  
swept, standing and fallen  
with scattering live trees.

23.00 Enter dense live cedar and juniper.

40.00 Get a limestone  $16 \times 14 \times 4$  ins.

$\frac{2}{3}$  in ground for  $\frac{1}{4}$  sec. cor.

bet. secs. 3 and 4, marked

$\frac{1}{4}$  P on St. face: from which,

a juniper 12 ins. in diam. brs.

$N60^{\circ}30'$  St. 176 Chs. dist. mark

Subdivisions T 27 N, R. 5 E.  
cho.

ed  $\frac{1}{4}$  P. 4, B.T.

A cedar 8 ins. in diam. Cro.  
 N  $53^{\circ}$  E. 175 lks. dist. marked  
 $\frac{1}{4}$  P. 3, B.T.

Level - enter open park.

46.00 Enter dense cedar and pinon  
 fir swept, standing and  
 fallen.

54.00 Enter open park and des-  
 cend gradually over rocks.

63.00 Enter dense cedar and pinon  
 alive and ascend gradually.

68.00 Ascend abruptly over lime ledge.

69.25 Ascend gradually - Rocky.

74.00 Enter dense cedar and pinon  
 fir swept, standing and  
 fallen - descend gradually  
 rocky.

80.00 Set a limestone 18x12x6 ins.

Subdivisions T. 27 N., R. 5 E.  
chs.

$\frac{2}{3}$  in ground for cor. to secs.  
 3, 4, 9 and 10, marked with 5  
 notches on W. and 3 notches  
 on E. edges, and raised a  
 mound of stone 2 ft. base,  $1\frac{1}{2}$   
 ft. high at cor. Pits im-  
 practicable. From which:  
 A pinon 10 ins. in diam. brs.  
 N 78° 15' St. 110 kts. dist. marked  
 T. 27 N., R. 5 E. P. 4, B. T.  
 No other <sup>live</sup> trees in limits.  
 Soil 4<sup>th</sup> rate.  
 Formation volcanic lime.  
 Character mountainous.  
 15.00 Chs. open park.  
 69.62 Chs. heavy timber - dense brush.  
 84.62 Chs. mountainous in character.

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Q 89° 59' E on a random line

Subdivisions

T. 27 N., R. 5 E.

cho

bet. secs. 3 and 10.

40.00 Set a temporary  $\frac{1}{4}$  sec. cor.

80.00 Intersect N and P. line 2 lbs.

N. of cor. to secs. 2, 3, 10 and 11

Thence I run

N  $89^{\circ} 58'$  W. on a true line

bet. secs. 3 and 10.

Ascend gradually - stony  
Open park.

32.25 Enter dense cedar and juniper.

30.00 Descend gradually.

27.00 Enter open park - level.

32.18 Cross old stage road Flag-  
staff to Grand Cañon course  
N<sup>ly</sup> and P<sup>ly</sup>.38.25 Cross old road bet. N and P<sup>ly</sup>  
Ascend gradually - Rocky.

40.00 Set a juniper pest 3 ft. long

3 ins. sq. 24 ins. in ground



Subdivision T. 27 N., R. 5 E.

Chs

with marked stone for  $\frac{1}{4}$  sec.  
cor. bet. secs. 3 and 10, marked  
 $\frac{1}{4}$  P. 3 on N. face and P. 10. on  
S. face and raised a md.  
of stone 2 ft. base,  $1\frac{1}{2}$  ft. high  
N. of cor. Pits impracticable.  
No trees within limits.

41.50 Enter dense cedar and pinon  
standing and fallen - fire  
swept.

58.00 Level.

80.00 The cor. of secs. 3, 4, 9 and 10  
Paid 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous

17.75<sup>Chs</sup> open park.

62.25 Chs. Heavy timber - dense brush.

80.00 Chs. Mountainous in character.

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Subdivisions T. 27 N., R. 5 E.

cho

From the cor. of secs. 4, 5, 32  
and 33 on N. ldy. I run.

$\text{D. } 0^{\circ}03' \text{ E.}$  bet. secs. 4 and 5.

Level.

Since cedar and pinon

Ascend gradually.

15.00 Level.

20.00 Descend gradually.

40.00 Set a pinon post 3 ft. long,  
3 ins. dia. 24 ins. in ground  
for  $\frac{1}{4}$  sec. cor. bet. secs. 4<sup>th</sup>  
5, marked  $\frac{1}{4}$  P. 5 on N. face  
and P. 4 on E. face, from  
which:

A pinon 8 ins. in diam. Crs.

$\text{D. } 99^{\circ}45' \text{ E.}$  21 lbs. dist. marked

$\frac{1}{4}$  P. 4 B.T.

A pinon 6 ins. in diam. Crs.

$\text{D. } 11^{\circ}45' \text{ N.}$  57 lbs. dist. marked

$\frac{1}{4}$  P. 5, B.T.

Subdivisions T. 27 N., R. 5, E.

chs.

Level - Descend gradually.

73.00 Open Park.

Level.

77.00 Level - dense cedar and pinon.

80.00 Set a pinon post 5 ft. long, 4 ins. sq. 24 ins. in ground for cor. of secs. 4, 5, 8 and 9 marked.

T. 27 N., R. 4 on N. E.

R. 5, E. P. 9 on P. E.

P. 8 on P. St.

P. 5 on N. St. faces, with 5 notches on P. and 4 notches on E. edge; from which,

A cedar 10 ins. in diam. Cors.

N.  $86^{\circ}15'$  E. 202 lks. dist.

marked, T. 27 N., R. 5, E. P. 4 B.T.

A cedar 10 ins. in diam. Cors.

P.  $87^{\circ}$  St. 245 lks. marked T. 27,

N., R. 5, E., P. 8, B.T.

Subdivisions T. 27 N., R. 5 E  
chs

A cedar 7 ins. in diam. Crs.

P.  $26^{\circ}15'$  E. 12 1/2 lks. dist. marked

T. 27 N., R. 5 E. S. 9, B. T.

A cedar 10 ins. in diam. Crs. N.  $62^{\circ}$

30' St. 300 lks. dist. marked

T. 27 N., R. 5 E., S. 9, B. T.

Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous

4.00 chs. open park.

75.46 chs. Heavy timber - dense brush.

89.46 chs. Mountainous in character.

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$89^{\circ}59'$  E on a random line

bet. secs. 4 and 9.

40.00 Put a temporary  $\frac{1}{4}$  sec. cor.

80.00 Intersect N and P. line 3 lks. N.

Specor. to secs. 3, 4, 9 and 10.

Thence I run on a true line

P.  $89^{\circ}58'$  St. bet. secs. 4 and 9.

Subdivisions T. 27 N., R. 5 E  
cho

Ascend gradually - Rocky.  
 Dense cedar and pinon standing  
 and fallen fire swept.

23.00 Leave burnt and enter live  
 cedar and pinon  
 Level - Rocky.

40.00 Get a limestone 16 x 12 x 5 ins.  
 $\frac{2}{3}$  in ground for  $\frac{1}{4}$  sec. cor.  
 bet. secs. 4 and 9 marked  $\frac{1}{4}$  P.  
 on N face; from which  
 a pinon 12 ins. in diam. Cro.  
 N 27° 30' E. 89 lbs. dist. marked  
 $\frac{1}{4}$  P. A. B. T.

A pinon 6 ins. in diam. Cro. P.  
 12° E. 4 lbs. dist. marked  $\frac{1}{4}$  D.  
 9, B. T.

Ascend gradually - Rocky.  
 50.00 Level.

52.00 Enter dense cedar and pinon

Subdivisions T. 27 N., R. 5 E.  
chs

- standing and fallen - fire swept.  
 61.00 Open park.  
 75.00 Dense cedar and pinon.  
 80.00 The cor. of secs. 4, 5, 8 and 9  
 Soil 4<sup>th</sup> rate.  
 Formation volcanic line.  
 Character mountainous  
 14.00 Chs. Open park.  
 66.93 Chs. Heavy timber - dense brush.  
 80.93 Chs. Mountainous in character

- From the cor. of secs. 5, 6, 31 and  
 32 on N. Bdy. From  
 @ 0°03' E. bet. secs. 5 and 6.  
 Level.  
 Dense cedar and pinon.  
 10.00 Descend gently  
 15.00 Level  
 20.00 Descend gently.

Subdivisions. T. 27 N., R. 5 E.  
ch

30.00 Level

34.00 Open draw just St. course  $\text{P}^{\text{ly}}$ .

40.00 Det. a limestone  $15 \times 10 \times 8$  ins.

$\frac{2}{3}$  in ground for  $\frac{1}{4}$  sec. cor.

Det. secs. 5 and 6 marked,  $\frac{1}{4}$   $\text{P}$   
 on St. face; from which

A pinon 9 ins. in diam. Crs.  $\text{P}$ .

$37^{\circ} 45'$  E 42 lbs. dist. marked

$\frac{1}{4}$   $\text{P}$ ,  $\text{B.T.}$

A pinon 10 ins. in diam. Crs.  $\text{P}$ .

$66^{\circ} 30'$  St. 74 lbs. dist. marked  $\frac{1}{4}$   $\text{P}$ .

6  $\text{B.T.}$  Level.

42.00 Descend gently.

50.00 Enter rocks - Descend gently.

80.00 Det a limestone  $16 \times 8 \times 8$  ins.

$\frac{2}{3}$  in ground for cor. of secs.

5, 6, 7 and 8 marked with 5-  
 notches on  $\text{P}$  and  $\text{E}$  edges;

from which.

Subdivisions T. 27 N., R. 5 E  
chs.

A pinon 9 ins. in diam. brs.  
 N 68° 15' W. 43 lks. dist. marked  
 T. 27 N., R. 5 E. D. 6, B. T.

A pinon 16 ins. in diam. brs.  
 N 13° E 71 lks. dist. marked  
 T. 27 N., R. 5 E. D. 5, B. T.

A pinon 12 ins. in diam. brs.  
 S. 75° 45' E 94 lks. dist. marked  
 T. 27 N., R. 5 E. D. 8, B. T.

A pinon 8 ins. in diam. brs.  
 S. 23° W. 146 lks. dist. marked  
 T. 27 N., R. 5 E. D. 7, B. T.

Soil 3<sup>rd</sup> rate.

Formation volcanic lime.

Character mountainous

84.71 Chs. Heavy timber - dense brush

84.71 Chs. Mountainous in character

S. 89° 59' E. on a random line  
 bet. secs. 5 and 8.



Subdivisions T. 27 N., R. 5 E.

chs

40.00 Set a limp.  $\frac{1}{4}$  sec. cor.

79.96 Intersect N and P. line 9 lks.

P. of cor. to secs. 4, 5, 8 and 9

Thence I run

P.  $89^{\circ}57'$  N on a true line  
bet. secs. 5 and 8.

Level - Dense cedar & pinon.

15:00 Ascend gently.

39.98 Set a limestone  $17 \times 10 \times 6$  ins  
 $\frac{2}{3}$  in ground for  $\frac{1}{4}$  sec. cor. bet.

secs. 5 and 8, marked  $\frac{1}{4}$  P.

on N face, from which

A pinon 9 ins. in diam. Crs.

N  $43^{\circ}15'$  E. 33 links. dist.

marked  $\frac{1}{4}$  S. 5, B. T.

A pinon 8 ins. in diam. Crs.

P.  $55^{\circ}30'$  N. 56 lks. dist. mark.

ed  $\frac{1}{4}$  P. 8 B. T.

Continue to ascend gently.

Subdivisions T. 27, N., R. 5, E.

chs

42.00 Level and Rocky.

46.00 Descend gently rocky.

64.00 Enter open draw.

65.00 Cross trail and descend gradually - Rocky.

73.00 Cross draw course  $\text{P}^{\text{th}}$  Rocky.

Enter dense cedar and juniper.

79.96 The cor. of secs. 5, 6, 7 and 8  
Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous.

9.00 chs. open ground.

71.85 Chs. heavy timber - dense brush

80.85 Chs. Mountainous in character.

Sept. 8, at 12.  $\text{P}^{\text{th}}$  M. l. m. t. I lay  
off  $5^{\circ}40'N$ . on decl. arc. and  
find the lat. to be  $35^{\circ}43'56.9''$   
 $N$ , at 1 L. l. m. t. with lat. at  
 $35^{\circ}43'56.9''N$ , I lay off  $5^{\circ}39'$

Subdivisions T. 27 N., R. 5 E.  
cho

N., on decl. arc. and determine  
the true meridian with the  
plow at the cor. to secs. 5, 6,  
7 and 8.

Thence I run

$N 89^{\circ} 59' N.$  on a random  
line bet. secs. 6 and 7.

40.00 Det. a temp.  $\frac{1}{4}$  Sec. cor.

78.40 Intersect St. Edy. 6 lks. N of  
cor. to secs. 1, 6, 7 and 12.

Thence I run

$N 89^{\circ} 58' E$  on a true line  
bet. secs. 6 and 7.

Nearly level.

Dense live and burnt cedar  
and pinon standing and  
fallen fire swept.

10.00 Cross draw course D. St. <sup>by</sup>  
ascend gradually.

## Sub Divisions T 27, N, R. 5, E.

e

chs

20.00 Rocky - ascend gradually.

28.00 Level.

38.40 Set a limestone 18x14x6 ins.

 $\frac{2}{3}$  in ground for  $\frac{1}{4}$  sec. cor.

bet. secs. 6 and 7 marked

Q on N face, from which

A pinion 8 ins. in diam. brs.

D.  $17^{\circ}30'$  E. 12 lks. dist. marked $\frac{1}{4}$  (P. 7, B. T.)

A pinion 8 ins. in diam. brs.

N.  $63^{\circ}30'$  W. 17 lks. dist. marked $\frac{1}{4}$  (P. 6, B. T.)

Level.

46.00 Descend gently.

58.00 Descend gradually - Rocky.

64.25 Cross draw course @  $N$  <sup>by</sup> andcross trail brs. N. E. and @.  $N$  <sup>by</sup>

Ascend gradually - Rocky.

75.00 Level.

Subdivisions T. 27, N., R. 5, E.

chs.

78.40

The cor. to secs. 5, 6, 7 and 8  
Soil 4<sup>th</sup> rate.

Formation volcanic lime.

Character mountainous.

79.78 chs. Heavy timber, dense  
brush.

79.78 chs. Mountainous in  
character.

— " —

General Description.

The grass is fair in  
pines and openings, poor  
in dense timber.

The elevation is from  
7,000 ft. to 8,000 ft. lower  
and higher portions.

The formation is vol-  
canic lime which flooded  
the land and when cool

Subdivisions T. 27 N., R. 5 E.  
chs.

broke into rough and jagged fragments.

The soil is volcanic ash and decayed vegetation, very thin except in washes.

The whole is covered with dense heavy timber and brush except in very small portions. No water.

Mineral signs poor.

The mean mag. decl. as determined by solar observations, and corrected as per table, page 100 of the manual of surveying instructions, is  $N 13^{\circ} 10' E$ .

Sever Wolfley  
U.S. Geol. Surveyor

BOOK 529

30

Subdivisions: T. 27, N., R. 5, E.

chs

For final caths see Book.

"J" T. 27, N., R. 4, E.

No. 529

BOOK 31  
529

A P P R O V A L.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona,  
March 1st 1901.

The foregoing field notes of the survey of Tract J 27 N. R. 5 E.

Area of Salt River meadows  
executed by Lewis Hoefley.

under his contract No. 72, dated June  
13, 1900, having been critically

examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*George Christ*

U. S. Surveyor General for Arizona.