

BOOK 3952

# FIELD NOTES

OF THE RESURVEY OF

..... a portion of the subdivisions, .....

..... and .....

..... Survey of .....

..... the Casa Blanca Canal and related Storm Channel boundaries, .....

..... Township 4 South, Range 4 East .....

..... Of the Gila and Salt River Meridian, .....

..... In the State of Arizona .....

**EXECUTED BY**

..... Francis E. Joy, .....

..... Cadastral Engineer .....

..... In the capacity of U. S. Surveyor, under Special Instructions dated February 15,

..... 1932, issued by the District Cadastral Engineer to govern surveys included in Group

..... No. 175, which were approved by the Commissioner of the General Land

..... Office, Feb. 25, 1932, and Assignment Instructions dated March 2, 1932 .....

..... Survey commenced March 12, 19 32

..... Survey completed March 30, 19 32

3952

3952



Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E.

BDOF 3952

Chains.

The survey of the Casa Blanca Canal, the related storm channel and the necessary resurveys in township 4 south, range 5 east, Gila and Salt River Meridian, was executed with a light mountain transit made by Buff & Buff, Serial No 16723, constructed in accordance with the standard specifications of the General Land Office.

For description of instrument and equipment, preliminary and final tests of the solar attachment, see the field notes for the resurveys of a portion of T. 4 S., R. 5 E., surveyed under this group.

The following field notes describe the traverse of a line paralleling the north bank of the Casa Blanca Canal at a distance of twenty-five feet and the traverse of a line paralleling the related storm channel at a distance of one hundred feet from the south bank, the intersections of said traverse lines with the boundaries of the sections involved and the necessary resurveys of the boundaries of said sections.

The subdivisions of T. 4 S., R. 4 E., were surveyed by G. P. Harrington, U. S. Surveyor, in 1911 and 1919, and by Theo F. White, U. S. Deputy Surveyor, in 1876.

I commence at the cor. of secs. 13 and 14, and run S. 0° 16' W., on a random line bet. secs. 13 and 14.

40.69 Intersect the 1/4 sec. cor., which is an iron post, 1 in. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence

N. 0° 16' E., on a true line bet. secs. 13 and 14.

Over nearly level land, through undergrowth.

20.35 Indian allotment cor., an iron pipe 1 in. diam.

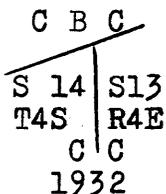
25.44 Indian allotment cor., an iron pipe 1 in. diam.

30.52 Indian allotment cor., an iron pipe 1 in. diam.

35.61 Indian allotment cor., an iron pipe 1 in. diam.

37.40 Intersect the S. bdy. of the storm channel.

Set an iron post, 3 ft. long, 2 ins. diam., 32 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 13 and 14, with brass cap mkd.



39.80 Storm channel, 50 lks. wide, course S. 48° 15' W.

40.69 The cor. of secs. 13 and 14, which is an iron post, 1-in. diam., 8 ft. below the surface of levee, firmly set, and marked as described in the official record.

Land, level.  
Soil, light sandy loam; 1st rate.  
No timber; undergrowth, creosote brush.

## Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E.

Chains.	S. 89° 41' E., on a random line along the N. bdy. of sec. 13.
40.00	The $\frac{1}{4}$ sec. cor. for sec. 13, which is an iron post, 1 in. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the official record.
	Thence
	N. 89° 41' W., on a true line along the N. bdy. of sec. 13.
	Over level land, through undergrowth.
18.51	The W. 1/16 sec. cor. for sec. 12, which is an iron post, 1 in. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the official record.
36.33	Intersect the S. bdy. of the storm channel.
	Set an iron post, 3 ft. long, 2 ins. diam., 32 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 12 and 13, with brass cap mkd.
	$\begin{array}{c} \text{C} / \text{TAS} \\ \text{B} / \text{S12 C} \\ \text{C} / \text{S13 C} \\ \text{R4E} \\ 1932 \end{array}$
38.51	The cor. of secs. 11 and 12, which is an iron post, 1 in diam., 8 ins. above ground, firmly set, and marked as described in the official record.
	Leave undergrowth.
39.10	Storm channel, 50 lks. wide, course S. 48° 15' W.
40.00	The cor. of secs. 13 and 14.
	Land, level. Soil, light and sandy loam; 1st rate. No timber; undergrowth, creosote brush.
	From the cor. of secs. 11 and 12.
	N. 0° 01' W., on a random line bet. secs. 11 and 12.
27.23	Intersect the S. 1/16 sec. cor.
	Returning to the cor. of secs. 11 and 12.
	Thence
	N. 0° 01' W., on a true line bet. secs. 11 and 12.
	Over level land.
.50	Storm channel, 50 lks. wide, course S. 48° 15' W.
1.30	Levee, 8 ft. high, parallel to the Casa Blanca Canal.
2.20	Casa Blanca Canal, 15 lks. wide, course S. 48° 15' W.
2.30	Headgate for lateral ditch from canal.

Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E.

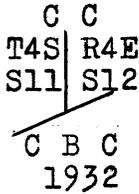
BOOK 8952

Chains.

2.60 Road, parallel to Casa Blanca Canal, and junction with road, bears N. along sec. line.

3.42 Intersect the N.bdy. of the Casa Blanca Canal.

Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 11 and 12, with brass cap mkd.



27.23 The S. 1/16 sec. cor., which is an iron post, 1 in. diam., the top of which is 4 ins. below the surface, firmly set and marked as described in the official record.

Land, level.  
Soil, light sandy loam; 1st rate.  
No timber; undergrowth, creosote brush.

From the 1/4 sec. cor. on the N. bdy. of sec. 14.

S. 89° 41' E., on a random line along N. bdy. of sec. 14.

1.53 No trace found of the 1/4 sec. cor. for sec. 11. Set temp.

21.53 No trace found of the E. 1/16 sec. cor. for sec. 11. Set temp.

40.00 Intersect the cor. of secs. 13 and 14.

Thence

N. 89° 41' W., on a true line along the N. bdy. of sec. 14.

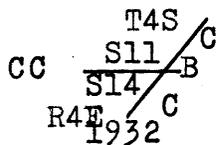
Over level land.

.90 Casa Blanca Canal, 15 lks. wide, course S. 48° 15' W.

1.75 Road, parallel to the Casa Blanca Canal.

2.33 Intersect the N. bdy. of the Casa Blanca Canal.

Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 11 and 14, with brass cap mkd.



This cor. is in the S. edge of road. Thence along road.

18.49 At the mid-point on the S. bdy. of the E. 1/2 of sec. 11.

Set an iron post, 3 ft. long, 1 in. diam., 42 ins. in the ground, with a glass bottle deposited at base, for E. 1/16 sec. cor. of sec. 11, with brass cap mkd.

## Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E.

Chains.

E 1/16 S11

1932

38.47

At the record distance, S. 89° 41' E., 1.53 chs. of the  $\frac{1}{4}$  sec. cor. on the N. bdy. of sec. 14, which point agrees with improvements extending N.

Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the ground, with a glass bottle deposited at base, for  $\frac{1}{4}$  sec. cor. of sec. 11, with brass cap mkd.

 $\frac{1}{4}$  S11

1932

This cor. is on S. edge of road.

40.00

The  $\frac{1}{4}$  sec. cor. of sec. 14, which is an iron post, 1 in. diam., firmly set flush with the surface and marked as described in the official record.

Land, level.

Soil, light sandy loam; 1st rate.

No timber.

From the  $\frac{1}{4}$  sec. cor. bet. secs. 14 and 15.

S. 0° 28' E., on a random line bet. secs. 14 and 15.

40.28

Intersect the cor. of secs. 14, 15, 22 and 23, which is an iron post, 2 ins. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence

N. 0° 28' W., on a true line bet. secs. 14 and 15.

Over level land, through undergrowth.

10.02

Intersect the S. bdy. of the storm channel.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 14 and 15, with brass cap mkd.

13.20

Storm canal, 50 lks. wide, course S. 37° W.

14.20

Top of levee, 8 ft. high, parallel to Casa Blanca Canal.

15.40

Middle of Casa Blanca Canal, 15 lks. wide, course S. 37° W.

15.90

Road, parallel to the Casa Blanca Canal.

16.27

Intersect the N. bdy. of the Casa Blanca Canal.

Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 14 and 15, with brass cap mkd.

0 0  
T4S | R4E  
S15 | S14

C B C  
1932

Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E.

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Chains.

This cor. is in the N. edge of road along canal and in secondary road, bearing N. along sec. line.

40.28 The 1/4 sec. cor. bet. secs. 14 and 15, which is an iron post, 1 in. diam., the top of which is 4 ins. below the surface, marked as described in the official record.

Land, level.  
Soil, light sandy loam; 1st. rate.  
No timber.

From the cor. of secs. 14, 15, 22 and 23.

N. 89° 15' W., on a random line bet. secs. 15 and 22.

40.75 Intersect the 1/4 sec. cor., which is an iron post, 1 in. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence

S. 89° 15' E., on a true line bet. secs. 15 and 22.

Over level land.

20.37 Indian allotment cor., an iron pipe 1 in. diam.

28.50 Intersect the N. bdy. of the Casa Blanca Canal.

Set an iron post, 3 ft. long, 2 ins. diam., 36 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 15 and 22, with brass cap mkd.

$$\begin{array}{c} \text{T4S} \\ \text{CC} \frac{\text{S15}}{\text{S22}} \frac{\text{B}}{\text{C}} \\ \text{R4E} \\ 1932 \end{array}$$

This cor. is in edge of road along canal.

28.85 Road, parallel to the Casa Blanca Canal.

29.25 Casa Blanca Canal, 15 lks. wide, course S. 37° W.

30.15 Levee, 6 ft. high, parallel to the canal.

30.75 Storm channel, 50 lks. wide, course S. 37° W.

33.21 Intersect the S. bdy. of the Storm Channel.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 15 and 22, with brass cap mkd.

$$\begin{array}{c} \text{T4S} \\ \text{C} \frac{\text{S15}}{\text{S22}} \text{CC} \\ \text{B} \\ \text{C} \frac{\text{R4E}}{\text{C}} \\ 1932 \end{array}$$

Enter undergrowth.

40.75 The cor. of secs. 14, 15, 22 and 23.

Land, level.  
Soil, light sandy loam; 1st rate.  
No timber; undergrowth, creosote brush.

Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E.

Chains.	<p>From the cor. of secs. 21, 22, 27 and 28.</p> <p>East, on a random line bet. secs. 22 and 27.</p>												
40.26	<p>Fall 45 lks. N. of local survey cor.</p>												
80.57	<p>Intersect N. and S. line, 92 lks. N. of the cor. of secs. 22, 23, 26 and 27, which is an iron post, 2 ins. diam., 6 ins. above ground, firmly set, marked and witnessed as described in the official record.</p> <p>Thence</p> <p>N. 89° 21' W., on a true line bet. secs. 22 and 27.</p> <p>Over level land, through undergrowth.</p>												
4.00	<p>Wash, 5 lks. wide, course NW.</p>												
9.50	<p>Wash, 8 lks. wide, course NW.</p>												
38.80	<p>Wash, 8 lks. wide, course N.</p>												
40.26	<p>An iron pipe 1 in. diam., 8 ins. above ground, firmly set, a local survey cor. which agrees with the proper position for the ¼ sec. cor. and is accepted as such.</p>												
80.57	<p>The cor. of secs. 21, 22, 27 and 28, which is an iron pipe, 1 in. diam., 8 ins. above ground, firmly set. This is a local survey corner, the position of which is verified from General Land Office iron post cors., ½ mile N., 1 mile E., 2 miles S. and 1 mile W. Alongside of iron pipe</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a glass bottle deposited at base, for the cor. of secs. 21, 22, 27 and 28, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>T4S</td> <td>R4E</td> </tr> <tr> <td>S21</td> <td>S22</td> </tr> <tr> <td>S28</td> <td>S27</td> </tr> </table> <p style="text-align: center;">1932</p> <p>Land, level. Soil, light sandy loam; 1st rate. No timber; undergrowth, creosote brush.</p>	T4S	R4E	S21	S22	S28	S27						
T4S	R4E												
S21	S22												
S28	S27												
37.96	<p>N. 1° 49' W., (objective cor. in sight) on a true line bet. secs. 21 and 22.</p> <p>Over level land, through undergrowth.</p> <p>Intersect the S. bdy. of the storm channel.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a glass bottle deposited at base, for closing cor. of secs. 21 and 22, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>C</td> <td>B</td> <td>C</td> </tr> <tr> <td>S21</td> <td>S22</td> <td></td> </tr> <tr> <td>T4S</td> <td>R4E</td> <td></td> </tr> <tr> <td>C</td> <td>C</td> <td></td> </tr> </table> <p style="text-align: center;">1932</p> <p>Leave undergrowth.</p>	C	B	C	S21	S22		T4S	R4E		C	C	
C	B	C											
S21	S22												
T4S	R4E												
C	C												
39.95	<p>Storm canal, 50 lks. wide, course W.</p>												

Resurvey of a part of the Subdivisions of T. 4 S., R. 4 E. BOOK 3952

Chains

40.35 Levee, 6 ft. high, parallel to the Casa Blanca Canal.

40.54 The 1/4 sec. cor. bet. secs. 21 and 22, which is an iron post, 1 in. diam., firmly set about 2 ft. below the surface of the N. bank of levee, marked as described in the official record.

Thence

N. 1° 10' E., (objective cor. in sight), on a true line bet. secs. 21 and 22.

.40 Casa Blanca Canal, 15 lks. wide, course N. 89° W.

.65 Road, parallel to the Casa Blanca Canal. Enter cleared land.

1.00 Intersect the N. bdy. of the Casa Blanca Canal.

Set an iron post, 3 ft. long, 2 ins. diam., 32 ins. in the ground, with a glass bottle deposited at base, for closing corner of secs. 21 and 22, with brass cap mkd.

T4S	R4E	
S21	S22	
C	C	
--- ---		
C	B	C
1932		

20.11 Indian allotment cor., an iron pipe, 1 in. diam.

40.23 Intersect the cor. of secs. 15, 16, 21 and 22, which is an iron post, 2 ins. diam., 8 ins. above the ground, firmly set, marked and witnessed as described in the official record.

Land, level.

Soil, light sandy loam; 1st rate.

No timber; undergrowth, creosote brush.

Resurvey of a part of the Boundary of the Gila River Indian Reservation, T. 4 S., R. 4 E.

From the 1/4 sec. cor. bet. secs. 21 and 22.

S. 89° 25' E., on a random line through the center of Sec. 22 and along the bdy. of the Gila Indian Reservation.

82.09 Intersect N. and S. line, 28 lks. N. of the 1/4 sec. cor., which is an iron post, 1 in. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence

N. 89° 13' W., on a true line through the center of sec. 22 and along the S. bdy. of the Gila River Indian Reservation.

Over level land, through undergrowth.

.56 A wooden post, 4 ins. sq., no marks.

34.33 Intersect the S. bdy. of the storm channel.

Set an iron post, 3 ft. long, 2 ins. diam., 32 ins. in the ground, with a glass bottle deposited at base, for

Resurvey of a part of the Boundary of the Gila River  
Indian Reservation, T. 4 S., R. 4 E.

Chains	
	<p>closing subdivision-of-section cor., with brass cap mkd.</p> <div style="text-align: center;"> <p style="text-align: center;">GRIR S22 C/C N<sup>1</sup>/<sub>2</sub> B/C S<sup>1</sup>/<sub>2</sub> C/S22 1932</p> </div>
37.40	The storm channel, 50 lks. wide, course SW.
39.50	Top of levee, 6 ft. high, parallel to the Casa Blanca Canal. Thence along top of levee.
82.09	<p>The <math>\frac{1}{4}</math> sec. cor. bet. secs. 21 and 22.</p> <p>Land, level. Soil, light sandy loam; 1st rate. No timber; undergrowth, creosote brush.</p>
	N. bdy. of the Casa Blanca Canal, T. 4 S., R. 4 E.
	<p>I commence the survey of the north boundary of the Casa Blanca Canal at the closing cor. of secs. 7 and 12 on the W. bdy. of T. 4 S., R. 5 E., heretofore described, maintaining the uniform distance of 25 ft. (right angle width), from the outer toe of the N. bank of the canal.</p> <p>Thence with traverse in sec. 12.</p> <p>Over level land along edge of cultivation.</p> <p>S. 61° 15' W., 23.47 chs. At .60 chs. Irrigation ditch, 10 lks. wide, course N.</p> <p>S. 52° 45' W., 42.50 "</p> <p>S. 48° 19' W. 34.21 " To closing cor. of secs. 11 and 12.</p> <p>Land, level. Soil, light sandy loam; 1st rate. No timber.</p>
	<p>Thence in sec. 11.</p> <p>Along level land along edge of cultivation.</p> <p>S. 48° 19' W., 5.12 chs. To the closing cor. of secs. 11 and 14.</p> <p>Land, level. Soil, light sandy loam; 1st rate. No timber.</p>
	<p>Thence in Sec. 14.</p> <p>Over level land along edge of cultivation.</p> <p>S. 48° 19' W., 21.91 chs.</p> <p>S. 74° 09' W., 14.45 "</p> <p>S. 50° 17' W., 22.65 "</p> <p>S. 57° 48' W., 14.28 "</p> <p>S. 36° 57' W., 29.00 " To the closing cor. of secs. 14 and 15.</p> <p>Land, level. Soil, light sandy loam; 1st rate. No timber.</p>
	<p>Thence in sec. 15.</p> <p>Over level land along edge of cultivation.</p> <p>S. 36° 57' W., 20.14 chs. To the closing cor. of secs. 15 and 22.</p> <p>Land, level. Soil, light sandy loam, 1st rate. No timber.</p>

N. bdy. of the Casa Blanca Canal, T. 4 S., R. 4 E.

BOOK 3952

Chains.

Thence in sec. 22.

Over level land along edge of cultivation.

S. 36° 57' W., 9.38 chs.  
 S. 32° 57' W., 35.73 " .  
 S. 49° 30' W., 1.73 " .  
 S. 79° 35' W., 1.71 " . Thence along edge of cleared land.  
 N. 89° 10' W., 41.98 " . To the closing cor. of secs. 21 and 22.

Land, level.  
 Soil, lightsandy loam, 1st rate.  
 No timber.

S. bdy. of the Casa Blanca Canal Storm Channel, T. 4 S., R. 4 E.

I commence the survey of the south boundary of the Casa Blanca Canal Storm Channel at the closing cor. of secs. 7 and 12 on the W. bdy. of T. 4 S., R. 5 E., heretofore described, maintaining the uniform distance of 100 ft. (right angle width) from the S. bank of said channel.

Thence with traverse in sec. 12.

Over level land, through undergrowth.

S. 61° 10' W., 21.02 chs.  
 S. 52° 43' W., 42.23 " .  
 S. 48° 24' W., 34.51 " . To the closing cor. of secs. 12 and 13.

Land, level.  
 Soil, light sandy loam; 1st rate.  
 No timber; undergrowth, creosote brush.

Thence in sec. 13.

Over level land, through undergrowth.

S. 48° 24' W., 4.92 chs. To the closing cor. of secs. 13 and 14.

Land, level.  
 Soil, light sandy loam; 1st rate.  
 No timber; undergrowth, creosote brush.

Thence in sec. 14.

Over level land, through undergrowth.

S. 48° 24' W., 21.50 chs.  
 S. 73° 17' W., 15.34 " .  
 S. 50° 28' W., 22.33 " .  
 S. 57° 24' W., 13.70 " .  
 S. 36° 57' W., 33.18 "m. To the closing cor. of secs. 14 and 15.

Land, level.  
 Soil, light sandy loam; 1st rate.  
 No timber; undergrowth; creosote brush.

Thence in sec. 15.

Over level land through undergrowth.

S. bdy. of the Casa Blanca Canal Storm Channel,  
T. 4 S., R. 4 E.

Chains.

S.  $36^{\circ} 57'$  W., 12.42 Chs. To the closing cor. of secs.  
15 and 22.

Land, level.

Soil, light sandy loam; 1st rate.

No timber; undergrowth, creosote brush.

Thence in sec. 22.

Over level land through undergrowth.

S.  $36^{\circ} 57'$  W., 11.71 chs.

S.  $33^{\circ} 07'$  W., 37.09 " . At 36.48 chs. intersect the  
closing cor. on the S. bdy.  
of the Gila River Indian Res-  
ervation, hereinbefore describ-  
ed.

S.  $54^{\circ} 45'$  W., 2.23 " .

S.  $71^{\circ} 22'$  W., 2.16 " .

N.  $89^{\circ} 13'$  W., 43.49 " . To the closing cor. of secs.  
21 and 22.

Land, level.

Soil, light sandy loam; 1st rate.

No timber; undergrowth, creosote brush.

#### GENERAL DESCRIPTION.

The land involved in this survey is level along both sides of the canal. The soil is a light sandy loam and the ground cover where not cleared is mostly creosote brush.

Practically all of the lands along the north side of the canal has been cleared for cultivation or is being cultivated at the present time.



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CERTIFICATE OF UNITED STATES SURVEYOR

I, Francis E. Joy, U. S. ~~Surveyor~~ Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 15th day of February, 1932, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, resurveyed a portion of the subdivisions and surveyed the Casa Blanca Canal and related Storm Channel boundaries in Township 4 South, Range 4 East, of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Glendale, California,  
August 22, 1932.

Francis E. Joy  
U. S. Cadastral Engineer. ~~U. S. Surveyor~~

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

DENVER, COLORADO DEC 19 1932, 1932

The foregoing field notes of the resurvey of a portion of the subdivisions, and survey of the Casa Blanca Canal and related Storm Channel boundaries in Township 4 South, Range 4 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Francis E. Joy, U. S. Cadastral Engineer under his special instructions dated February 15, 1932, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]  
U. S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.~~

~~U. S. Supervisor of Surveys~~