

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF THE

DEPENDENT RESURVEY OF SECTIONS 2 AND 10,

TOWNSHIP 19 NORTH, RANGE 22 WEST

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Eldon W. Sibley, Cadastral Surveyor

Under ^{supplemental} special instructions dated September 15, 1961, which provided for the surveys included under Group No. 355, approved September 15, 1961 and assignment instructions dated October 15, 1961

Survey commenced December 12, 1961

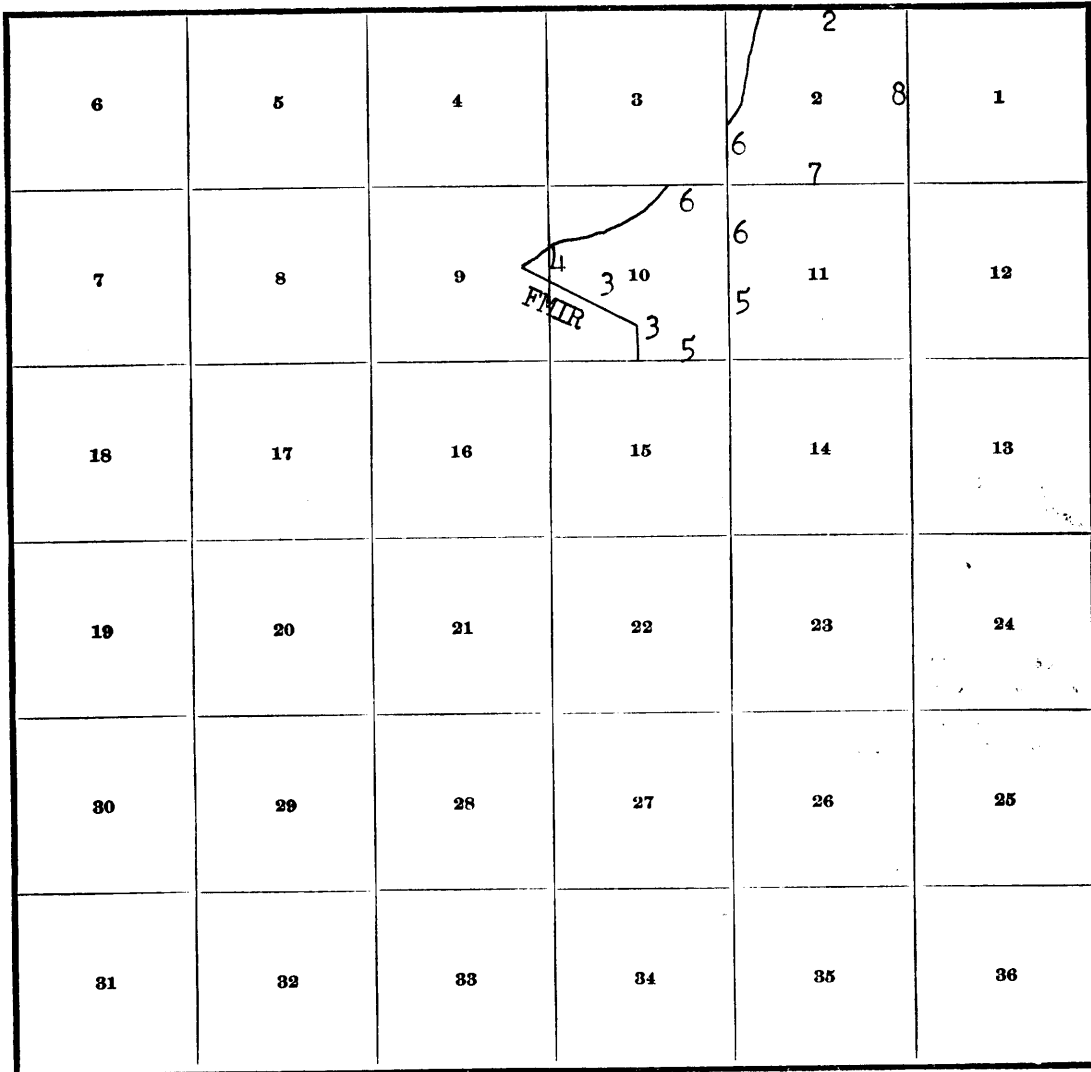
Survey completed December 22, 1961

1A

BOOK 4645

INDEX DIAGRAM

Township 19 North, Range 22 West



10-56770-1

Meanders of the Left Bank of the Colo. River, Secs. 2 and 10 Pgs. 9-10

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Township 19 North, Range 22 West is situated at the northeast corner of the Fort Mohave Indian Reservation. The township is fractional, being bounded in part by the reservation and by the Colorado River on its westerly side.

T. 19 N., R. 22 W., was originally surveyed by J. J. Fisher, Deputy Surveyor, in 1905-06, as shown upon the official plat approved June 29, 1906. That work included the reestablishment of so much of the original Fort (Camp) Mohave Indian Reservation boundary within the township; and, the reestablishment of the north boundary as originally surveyed by Omar H. Case, Deputy Surveyor, in 1872. The reservation boundary was resurveyed in 1928 by Sidney E. Blout, U. S. Cadastral Engineer, under Group 149, Arizona, as shown upon the plat accepted January 23, 1931.

The following surveys are of a retracement and reestablishment of a portion of the Ft. Mohave Indian Reservation; a portion of the north boundary of the township; and, the boundaries of secs. 2 and 10, designed to restore the corners thereof in their original positions according to the best available evidence. This work has been undertaken at the request of the Bureau of Reclamation as an administrative measure.

Since the date of the original surveys, the Colorado River has moved easterly by normal erosion to the loss of lands within secs. 2 and 10. These surveys have amended the affected public land areas representative of such losses. In 1958-60, the Bureau of Reclamation rechannelized the river through this reach. All such work was done within the bed of the river and did not sever any portion of fast lands in these sections.

The surveys were executed with a Gurley transit constructed in accordance with the standard specifications of the Bureau. The instrument was in good condition and was frequently tested and adjusted during the course of the surveys to maintain it in good operation. All directions of lines reported herein are true as determined by astronomical observations made upon the survey lines and carried forward by normal transit methods. Measurements were made with a Chicago narrow-band, steel tape, 8 chains in length, which had been compared with a 1 chain standard tape and found correct. All distances reported are based on horizontal measurements.

Dependent Resurvey of a Portion
of the North Boundary,

T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Reestablishment of the Resurveys by
J. J. Fisher, Deputy Surveyor, in 1905-06

The point for the cor. of secs. 1, 2, 35 and 36, Ts. 19 and 20 N., R. 22 W., is marked by a granite stone, 6 x 10 x 12 ins., marked with 1 notch on E. face and 5 notches on W. face, conforming to official record.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 22 ins. in the ground, with brass cap mkd.

T20N R22W
S35 | S36
S 2 | S 1
T19N
1961

Dependent Resurvey; Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Bury the original stone alongside the iron post.

Build a mound of stones, 3 ft. base, 2 ft. high, W. of post.

Thence

West, on record bearing, bet. secs. 2 and 35.

Over rolling desert land; asc. 80 ft. over SE. slope.

13.80 Ridge, bears NE. and SW.; desc. 140 ft. over NW. slope.

29.60 Base of hills; thence across nearly level desert.

39.80 Black top road, Needles to Bullhead City, bears S. and curving N. 30° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, at record distance; there is no remaining evidence of the original corner.

At the corner point

Set an iron post, 28 in. long, $2\frac{1}{2}$ ins. in diam., 40 ins. in ground, (12 ins. below road surface), with brass cap mkd.

T20N R22W

$\frac{1}{4}$ S 35

S 2

T19N

1961

from which

A redwood post, 6 ft. long, 4 ins. sq., set 3 ft. in the ground, scribed T20N R22W SEC 35, 100 IKS, bears N. 45° W., 1.00 ch. dist.

A redwood post, 6 ft. long, 4 ins. sq., set 3 ft. in the ground, scribed T19N R22W SEC 2 100 IKS, bears S. 45° W., 1.00 ch. dist.

The corner is set at W. edge of pavement.

Continue over level desert, in bladed road.

50.00 Power line, bears N., S. and W.

64.40 Point for the closing cor. of secs. 32 and 35, T. 20 N., R. 22 W., at record distance in accordance with the official record of the resurvey of T. 20 N., R. 22 W., executed in 1915; there is no remaining evidence of the original closing cor. The point was not remonumented.

Continue with same line and measurement, bet. secs. 2 and 32.

78.00 Field station of Arizona Game and Fish Commission, bears N., $1\frac{1}{2}$ chs.

78.80 The old left bank of the Colorado River, prior to rechannelization, bearing S. 25° 56' E. and N. 26° W., and point for the meander cor. of secs. 2, T. 19 N., R. 22 W.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

T20N R22W

S32

S2

T19N

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S., R. Mer., Arizona

Chains

Raise a mound of stones, 3 ft. base, 2 ft. high, N. of iron post.

The present left bank of the river, as rechannelized, bears W., approx. 19 chs. dist.

Land, rolling desert hills descending into desert.
Soil, shallow sand and silt.
Timber, scattering mesquite and willows.
Undergrowth, creosote brush, cacti and arrowweed.

Dependent Resurvey of a Portion
of the Fort Mohave Indian Reservation Boundary

Reestablishment of the Surveys by
Omar H. Case, Deputy Surveyor,
and
Sidney E. Blout, Cadastral Engineer,
in 1928

From the Initial Monument of the Fort Mohave (Camp Mohave) Indian Reservation, which is marked by an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record.

Thence

S. 56° 52' E., along the NE'ly bdy. of the Ft. Mohave Indian Reservation.

Over gently rolling mesa top of desert lands.

7.64

The closing cor. of secs. 9 and 10, T. 19 N., R. 22 W., on the reservation bdy., which is marked by an iron post, 2 ins. in diam., set, mkd. and witnessed as described in the official record.

U. S. C. & G. S. triangulation station "Fort Mohave", bears S. 0° 32' W., 41.229 chs. dist.

Continue with same line and measurement

40.02

The $\frac{1}{2}$ Mile Monument on the Ft. Mohave Reservation Bdy., which is marked by an iron post, 1 in. in diam., set, mkd. and witnessed as described in the official record.

S. 56° 52' E., beginning new line and measurement.

Continue on mesa top.

16.00

The NE. cor. of Ft. Mohave Indian Reservation, which is marked by an iron post, 3 ins. in diam., set, mkd. and witnessed as described in the official record, For Cor. No. 1.

S. 0° 35' W., beginning new line and measurement.

Continue on mesa top

6.70

Head of wash, 20 lks. wide, 3 ft. deep, drains NE.

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

19.20 Bladed road, bears E. and W.

24.03 The 1 Mile Monument on the Ft. Mohave Reservation Edy., which is marked by a granite stone, 8 x 15 x 26 ins., mkd. and witnessed as described in the official record.

S. 0° 17' W., beginning new line and measurement.

Continue over rolling mesa.

1.89 The closing cor. of secs. 10 and 15, T. 19 N., R. 22 W., which is marked by an iron post, 2 ins. in diam., set, mkd. and witnessed as described in the official record.

Land, rolling desert mesa top.
Soil, sandy, gravelly loam.
Timber, none.
Undergrowth, scattered creosote brush.

Dependent Resurvey of a Portion
of the Subdivisional Lines,
T. 19 N., R. 22 W.

Reestablishment of the Resurveys by
J. J. Fisher, Deputy Surveyor, in 1905-06.

From the closing cor. of secs. 9 and 10, on the Ft. Mohave Indian
Reservation boundary, as hereinbefore described.

Thence

N. 0° 02' W., bet. secs. 9 and 10, on record bearing.

Over rolling mesa top.

6.27 Point for the record meander cor. of secs. 9 and 10; there is no remaining evidence of the original corner.

6.35 Set an iron post, 28 ins. long, 2½ ins. in diam., 24 ins. in the ground, and in concrete, for witness meander cor. of secs. 9 and 10, with brass cap mkd.

W C
M C
S 9 | S 10
T 19 N | R 22 W
1961

7.15 The old left bank of the Colorado River, prior to rechannelization, bearing S. 81° 22' E. and S. 75° 21' W., and point for the meander cor. of secs. 9 and 10. The point falls on steep bank where a monument cannot be maintained. Set the witness cor. thereto as described above.

The present left bank of the river, as rechannelized, bears N.,
approx. 2 chs. dist.

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

The point for the cor. of secs. 10, 11, 14 and 15, is marked by a granite stone, 6 x 10 x 12 ins., marked with 4 notches on S. face and 2 notches on E. face, conforming to the original record.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

T19N R22W
S10|S11
S15|S14
1961

Bury the original stone alongside the iron post.

Raise a mound of stones, 3 ft. base, 2 ft. high, W. of post.

Thence

N. $89^{\circ} 55'$ W., bet. secs. 10 and 15.

Over rolling desert.

20.60 Graded roads bear N., S. and W. along line,

28.60 Intersection with graded road bearing NW. and SE.

39.60 Intersection with graded road bearing N. and S.; end of road from E.

39.77 Point for the original closing cor. of secs. 10 and 15, which was marked by a granite stone. A broken granite stone was found lying loose upon the ground, on W. side of the N-S road, of the same description. It was not reset,

39.84 The closing cor. of secs. 10 and 15, on E. bdy. of Ft. Mohave Indian Reservation, as hereinbefore described.

Land, rolling desert.

Soil, sandy, gravelly loam.

Timber, none.

Undergrowth, scattered brush and cacti.

I return to the cor. of secs. 10, 11, 14 and 15.

N. $0^{\circ} 01'$ W., bet. secs. 10 and 11.

Over rolling mesa, descending into bottom.

13.90 Graded road, bears E. and W., at foot of mesa; enter old flood plain.

14.20 Wire fence, bearing E., W. and N., along line.

39.94 End of paved road E.; track road bears W.

40.09 Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 11, at proportionate distance; there is no remaining evidence of the original corner.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

T19N R22W

$\frac{7}{8}$
S10 | S11
1961

Continue over old flood plain, along N-S fence, mostly down.

80.18

Point for the cor. of secs. 2, 3, 10 and 11, which is marked by an iron pipe, 1 in. in diam., projecting 8 ins. above the ground, set in cor. of old fences, N., S. and E. The pipe is recognized by interested persons and adjoining property owners as properly marking the corner point and is accepted as the best available evidence of the original corner.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

T19N R22W
S 3 | S 2
S10 | S11
1961

Land, rolling desert and old flood plain.
Soil, sandy gravel on desert; silt in bottom.
Timber, scattering mesquite in bottom.
Undergrowth, creosote brush and cacti on desert; brush and arrowweed in bottom.

West, bet. secs. 3 and 10.

Over level bottom land.

14.20

The old left bank of the Colorado River, prior to rechannelization, bearing S. $22^{\circ}50'$ W. and N. 1° E., and point for the meander cor. of sec. 10.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

MC
T19N
S 3
S10
R22W
1961

The present left bank of the river, as rechannelized, bears W., approx. 35 chs. dist.

I return to the cor. of secs. 2, 3, 10 and 11.

N. $0^{\circ}06'$ W., on record bearing, bet. secs. 2 and 3.

Over level bottom land, along a winding fence, mostly down.

37.61

The old left bank of the Colorado River, prior to rechannelization, bearing N. $43^{\circ}36'$ E. and S. 33° W., and point for the meander cor. of sec. 2.

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

MC
S 3 | S 2
T19NR22W
1961

The present left bank of the river, as rechannelized, bears NW., approx. 21 chs. dist.

Land, level bottom.

Soil, sand and silt.

Timber, mesquite.

Undergrowth, young brush, salt cedar and arrowweed.

I return to the cor. of secs. 2, 3, 10 and 11.

S. $89^{\circ} 55'$ E., bet. secs. 2 and 11.

Over level bottom land, along old fence, mostly down.

40.00 Power line, parallel to highway.

40.10⁵ Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, at proportionate distance; there is no remaining evidence of the original corner.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, and in concrete, with brass cap mkd.

T19N R22W
 $\frac{1}{4}$ S 2
S 10
1961

Corner is set in old fence row, on S. side of trail road.

40.80 Black top road, Needles to Bullhead City, bears N. and S.; ascend out of bottom.

53.70 Graded road, bears NW. and S.

61.30 Base of spur; asc. 190 ft. over W. slope.

74.60 Crest of ascent; thence along N. slope of spur.

80.21 The point for the cor. of secs. 1, 2, 11 and 12, which is marked by a granite stone, 8 x 10 x 12 ins., mkd. with 5 notches on S. face, 1 notch on E. face, conforming to original record.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground, and in mound of stones to top, with brass cap mkd.

T19N R22W
S 2 | S 1
S 11 | S 12
1961

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Reset the original stone at base of iron post.

Land, level bottom ascending into rolling desert.

Soil, sandy silt and gravel.

Timber, scattering willow and mesquite.

Undergrowth, dense arrowweed in bottom; creosote brush and cacti on desert.

N. 0° 08' E., bet. secs. 1 and 2.

Over rolling desert hills; desc. 130 ft. over N. slope.

10.60 Base of slope, bears E. and W.; thence over large flat wash.

20.40 Telephone line, bears E. and W., at base of spur; asc. 130 ft. over S. slope.

25.10 Spur, slopes, N. 80° W.; desc. 120 ft. over N. slope.

32.80 Wash, 40 lks. wide, 1 ft. deep, drains W.; asc. 90 ft. over S. slope.

39.70 Spur, slopes W.; desc. 20 ft.

40.40 True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, falls on steep N. slope where a monument cannot be maintained. The witness cor. thereto is described below.

N. 0° 08' W., beginning new measurement.

Desc. 40 ft. over steep N. slope.

1.00 The point for the witness meander cor. of secs. 1 and 2, which is marked by a granite stone, 6 x 10 x 12 ins., mkd. $\frac{1}{4}$ on W. face, WC on E. face, conforming to the record.

At the witness corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap mkd.

T19N R22W

$\frac{1}{4}$

S 2 | S 1

W C

1961

Bury the original stone alongside the iron post.

Raise a mound of stones, 3 ft. base, 2 ft. high, W. of post.

2.10 Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 140 ft. over SE. slope.

31.20 Spur, slopes SE.; desc. 90 ft. over NW. slope.

37.00 Head of small wash, drains SW.; asc. 40 ft. over SW. slope.

40.05 The cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp., as hereinbefore described.

Dependent Resurvey, Secs. 2 and 10,
T. 19 N., R. 22 W., G. & S. R. Mer., Arizona

Chains

Land, rolling desert hills.
Soil, gravel and exposed granite.
Timber, none.
Undergrowth, sparse creosote brush and cacti.

Meanders of the Left Bank
of the Colorado River,
Secs. 2 and 10, T. 19 N., R. 22 W.

In 1958-60, the Colorado River was rechannelized in this vicinity by the Bureau of Reclamation. This work was done wholly within the bed of the river in this reach and did not cross any fast lands. The river as rechannelized is contained within artificial banks.

The following surveys are those of the meanders of the left bank of the river as it existed at the time of the rechannelization. The old bank is well defined, being for the most part sharp and steep, about 6 to 12 ft. high. The abandoned bed is partially barren of wind swept, shifting sands, and partly covered with salt cedar and arrowweed.

From the true point for the meander cor. of secs. 9 and 10, as hereinbefore described.

Thence, with the meanders of the old left bank, upstream.

In sec. 10

| | | |
|----------------|------------|--|
| S. 81° 22' E., | 3.53 chs. | This course along a rip-rap bank for protection against erosion. |
| S. 89° 12' E., | 4.47 chs. | |
| S. 85° 27' E., | 9.03 chs. | |
| S. 70° 33' E., | 4.32 chs. | |
| N. 70° 55' E., | 6.64 chs. | |
| N. 80° 35' E., | 5.24 chs. | |
| S. 76° 57' E., | 3.66 chs. | |
| N. 78° 49' E., | 9.33 chs. | |
| N. 61° 00' E., | 10.41 chs. | |
| N. 41° 24' E., | 4.92 chs. | |
| N. 65° 55' E., | 5.28 chs. | |
| N. 22° 50' E., | 9.10 chs. | The meander cor. of sec. 10, as hereinbefore described. |

From the meander cor. of sec. 2, as hereinbefore described.

Thence, with the meanders of the old left bank, upstream.

In sec. 2.

Chains

N. 43° 36' E., 5.39 chs.

N. 28° 00' E., 8.28 chs.

N. 18° 43' E., 7.72 chs.

N. 12° 02' W., 11.01 chs.

N. 21° 28' W., 4.10 chs.

N. 25° 27' W., 8.50 chs.

N. 32° 46' W., 1.46 chs.

N. 25° 56' W., 0.82 chs. The meander cor. of sec. 2, on N. bdy. of Tp., as hereinbefore described.

General Description

The township is located about 5 miles south of Bullhead City, Arizona. The lands are rolling desert hills, descending into the old Colorado River flood plain.

The soil varies from a sandy silt in the river bottom to a coarse gravel on the rolling hills. There is a scattering growth of willow, mesquite and arrowweed in the low lands and a sparse growth of creosote (greasewood) and cacti on the desert.

A black top county highway, from Needles, Calif. to Bullhead City, Ariz., traverses through sec. 2, just east of the N-S centerline thereof.

Old Fort Mohave, an army post active in the general period of 1860-70, was situated on the desert mesa immediately S. of secs. 9 and 10. This army post later became the reservation headquarters of the Camp (or Fort) Mohave Indian Reservation and contained quite a number of buildings at that time. Nothing remains now except for evidence of foundations and some of the irrigation ditches.

There is no present use or occupancy of the lands resurveyed. No minerals present or past mining activity was observed.

CERTIFICATE OF CADASTRAL SURVEYOR

I, Eldon W. Sibley, HEREBY CERTIFY upon honor that, in pursuance of ^{supplemental} ~~special~~ instructions bearing date of the 15th day of September, 19 61. I have ~~surveyed~~ executed a dependent resurvey of sections 2 and 10, Township 19 North, Range 22 West.

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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

3/5/62
(Date)

Eldon W. Sibley
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 12 1962, 19

The foregoing field notes of the ~~survey~~ dependent resurvey of sections 2 and 10, Township 19 North, Range 22 West, Gila and Salt River Meridian, Arizona

executed by Eldon W. Sibley, Cadastral Surveyor

having been critically examined and found correct, are hereby approved.

E. L. Remington
(Cadastral Engineering Staff Officer)
Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

(Date)

(Cadastral Engineering Staff Officer)