

Lines 2-3, 3-4 and 4-5
cancelled 3-2-77, per Order
of Secretary of the Interior,
dated 6-3-74, File 9182(420)
Gps. 149, Arizona and
658, California.

FIELD NOTES

OF RETRACEMENT OF

Part of the Boundary of Fort Mohave Indian Reservation in
Frac. Township 19 North, Range 22 West, G. & S.R. B. & M., Arizona
and of part of the ~~NEV-CALIF.~~ State Boundary Line

OF RESURVEY OF

Part of the Boundary of Fort Mohave Indian Reservation in
Frac. Townships 18 and 19 North, Range 22 West, G. & S.R. B. & M.,
Part of the Subdivision Lines of Frac. Tp. 18 N., R. 22 W.,
and of Part of the North Boundary of Frac. Tp. 18 N., R. 22 W.
of the Gila and Salt River Base and Meridian, Arizona.

AND OF SURVEY OF

Part (Completion) of the Boundary of Fort Mohave Indian Reservation
in the States of Arizona, California and Nevada
and of a TIE between the Old and Present ~~NEV-CALIF.~~ State Bdrs.

Of the _____ Meridian,

In the State of _____

EXECUTED BY

Sidney E. Blout, U.S. Cadastral Engineer

In the capacity of U. S. Surveyor, under Special Instructions dated Jan. 7,
19²⁸, issued by the District Cadastral Engineer to govern surveys included in Group
No. 149 Arizona, which were approved by the Commissioner of the General Land
Office, Feb. 9, 19²⁸, and Assignment Instructions dated Feb. 27, 19²⁸

Retracement
Resurvey and Survey commenced March 5, 19²⁸
Retracement
Resurvey and Survey completed April 16, 19²⁸

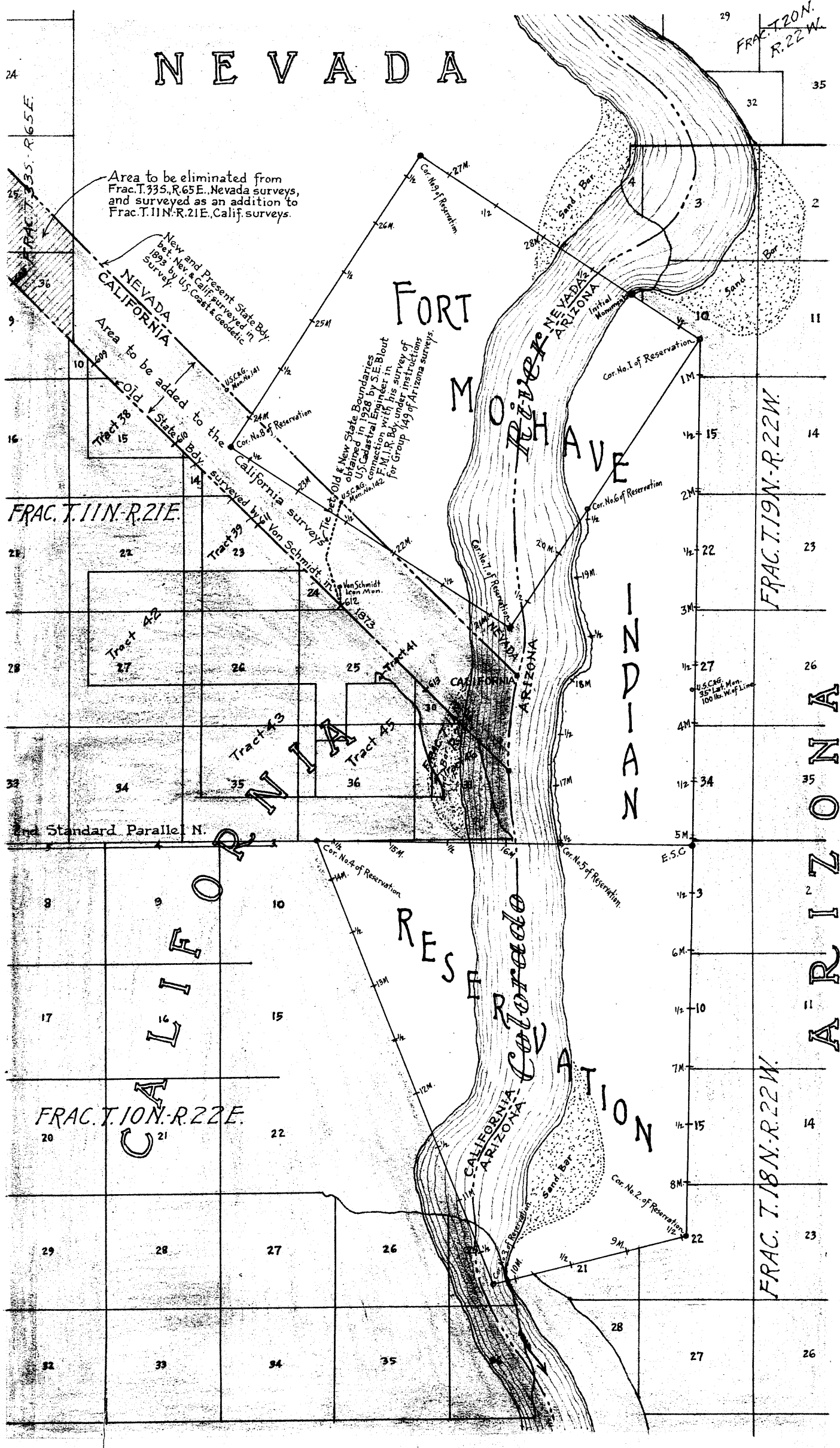
3885

INDEX DIAGRAM.

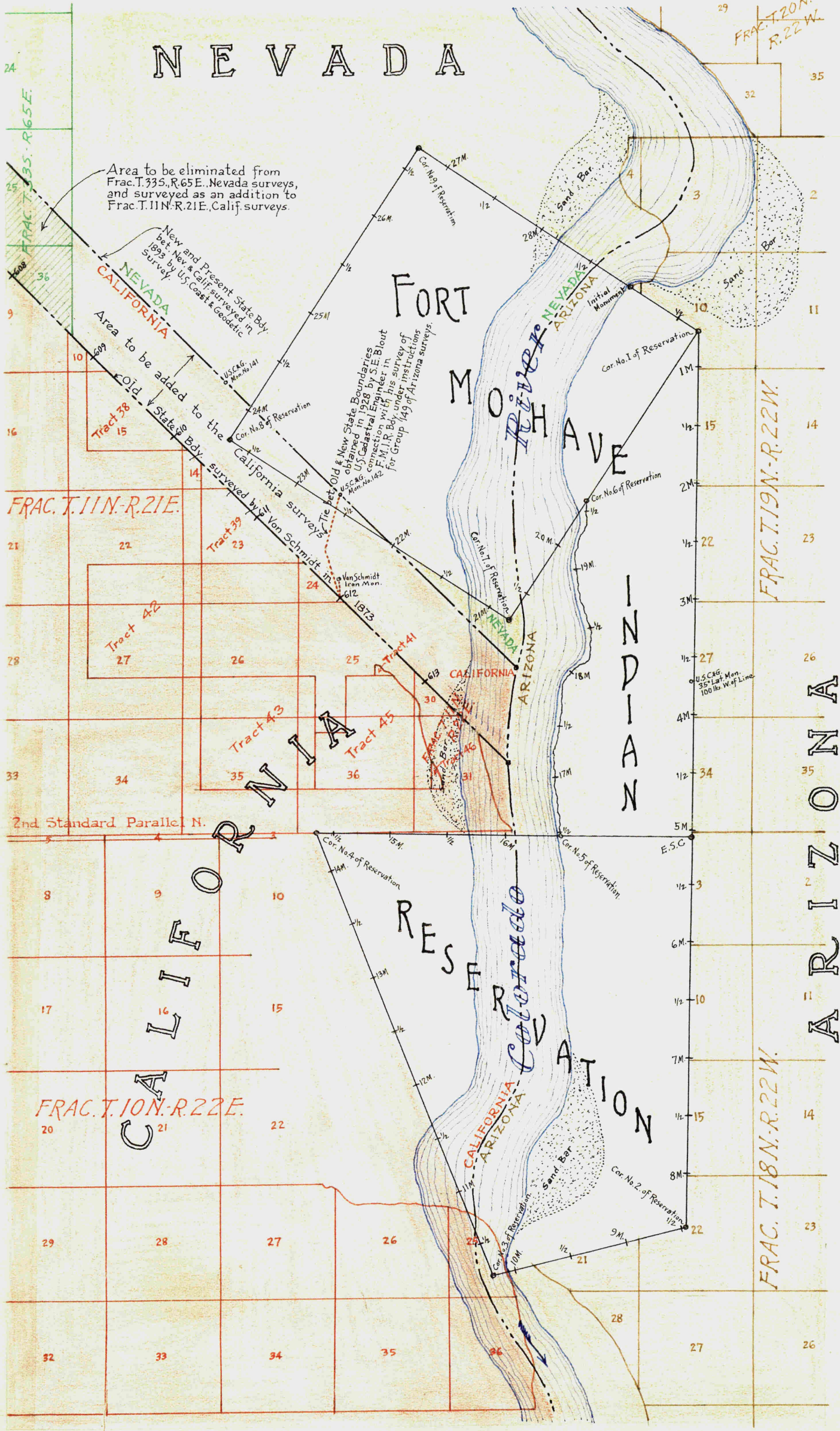
Township , *Range*

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

NEVADA



NEVADA





United States Department of the Interior

9182 (420)
Grp. 149, Arizona
Grp. 658, California

BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20240

March 8, 1977

Memorandum

To: SD's, Arizona, California and Nevada
From: Director
Subject: Partial cancellation of boundary survey, Fort Mohave Indian Reservation, Arizona, California and Nevada

On June 3, 1974, the Secretary of the Interior declared the western boundary of the Hay and Wood Reserve, Ft. Mohave Indian Reservation, as it is represented on a plat of survey entitled "Fort Mohave Indian Reservation, Arizona, California and Nevada," accepted on January 23, 1931, to be in error and directed that the necessary action be taken to declare the survey null and void. On June 24, 1974, the plat was placed in suspension pending modification and partial cancellation of the survey.

On March 2, 1977, a plat representing a corrective survey of the boundaries of the Hay and Wood Reserve, Ft. Mohave Indian Reservation, in Tps. 10 and 11 N., Rs. 21 and 22 E., San Bernardino Meridian, California, was accepted and the former boundaries of the Hay and Wood Reserve in these townships were superseded.

The plat representing the 1931 survey of the Ft. Mohave Indian Reservation on file in your offices should be noted in the lower right-hand corner as follows:

Lines 2-3, 3-4 and 4-5 cancelled March 2, 1977, per Order of Secretary of the Interior, dated June 3, 1974, File 9182(420), Gps. 149, Arizona and 658, California.

A similar notation will be added to the cover page of the field notes of the 1931 survey.

For the Director

B. W. Hostrop
Chief, Division of Cadastral Survey





United States Department of the Interior

9182 (420)
Group 149,
ArizonaBUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20240

June 24, 1974

ARIZONA STATE OFFICE	
BU. LAND MANAGEMENT	
JUN 27 '74	
SD	_____
ASSOC. SD	_____
PCS	_____
RESOURCES	_____
TECH SER	_____
MGMT SER	_____
PUB. AFF	_____
CF	_____
_____	ACTION
_____	INFO.
_____	SEE ME

Memorandum

To: SD, Arizona

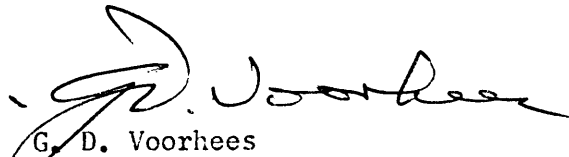
From: Director

Subject: Suspension of plat, Fort Mohave Indian Reservation,
Arizona, California, and Nevada

The plat representing the survey of the Fort Mohave Indian Reservation in Arizona, California, and Nevada, approved by the U.S. Supervisor of Surveys on November 15, 1930, and accepted by the Assistant Commissioner of the General Land Office on January 23, 1931, is hereby suspended effective on this date. This suspension will remain in effect until a modified plat is accepted, at which time portions of this plat will be cancelled.

This action is being taken under instructions contained in a memorandum from the Secretary of the Interior dated June 3, 1974, (copy enclosed).

For the Director



G. D. Voorhees
Acting Chief, Division of Cadastral Survey

Enclosure

*Save Energy and You Serve America!*



United States Department of the Interior

OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240

June 3, 1974

Memorandum

To: Director, Bureau of Land Management
Through: Assistant Secretary, Land and
Water Resources

From: Secretary of the Interior

Subject: Western Boundary of the Hay and Wood Reserve
of the Fort Mojave Indian Reservation, Arizona,
California and Nevada

I have this date received a memorandum from the Solicitor regarding the proper location of the western boundary of the Hay and Wood Reserve of the Fort Mojave Indian Reservation. A copy of his memorandum is attached.

Acting upon the conclusions expressed in the Solicitor's memorandum, I have determined that the 1928 resurvey conducted by Sidney Blout under direction of the General Land Office, and the plat representing that resurvey of the above-mentioned western boundary of the Hay and Wood Reserve, approved November 15, 1930, and accepted on January 23, 1931, should be declared null and void and to have no further force or effect.

The western boundary of the "Camp Mojave Reservation for Hay and Wood" is most accurately determined and established in accordance with the intent of the original survey by using the courses, distances and acreage as described in the plats and notes of survey accompanying the Executive Order of March 30, 1870. I reject as erroneous those portions of that description which make reference to posts "marked U.S. in a mound of earth near the left bank of the Colorado River" used in connection with Corner III and Corner IV appearing on the plat and in the notes of survey accompanying the above mentioned Executive Order of March 30, 1870.

Please take all such actions as may be appropriate to implement the conclusions herein stated, including declaring null and void the above-mentioned 1928 resurvey and the plat respecting that resurvey of the western boundary of the Hay and Wood Reserve accepted January 23, 1931, and resurveying the Reserve to conform to the acreage description of 9114.81 acres. Correct Corner III and Corner IV should be reestablished in accordance with the courses and distances described in the plats and notes of the survey accompanying Executive Order of March 30, 1870, to replace the erroneous and rejected Corner III and Corner IV established by the 1928 resurvey.

It is also requested that a determination be made as to what third-party interests may have been established and that appropriate action be taken to subrogate such interests to the Fort Mojave Tribe in those instances in which it is determined that such third-party interests affect the lands inside the now recognized western boundary of the reservation.

Please note the official records accordingly so that henceforth such records will indicate the proper location of the western boundary of the Hay and Wood Reserve of the Fort Mojave Indian Reservation in the subject area.

Regius C. B. Norton

*See also Carls in
1911-1912 files
3/20/18 to 4/9/19 1911*

March 13. Indicates date of retracement or random line.

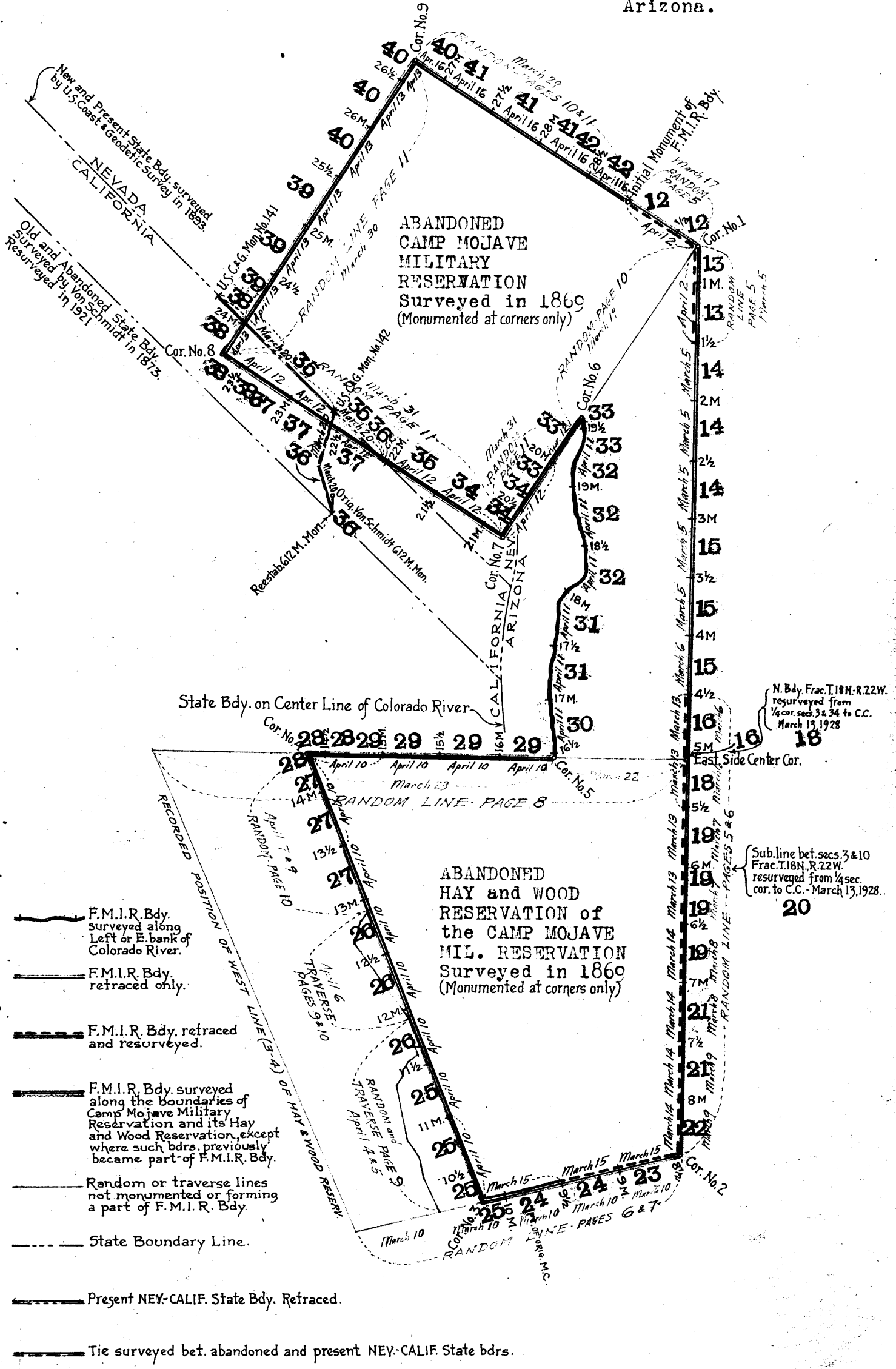
April 13. Indicates date of survey or resurvey.

11. Indicates page number of notes of true line.

BOOK 3885

DATE and INDEX
DIAGRAM of
BOUNDARY of
FORT MOHAVE
INDIAN RESERVATION

Resurveyed and
Surveyed in 1928
under Group 149
Arizona.



- F.M.I.R. Bdy. surveyed along Left or E. bank of Colorado River.
- F.M.I.R. Bdy. retraced only.
- F.M.I.R. Bdy. retraced and resurveyed.
- F.M.I.R. Bdy. surveyed along the boundaries of Camp Mojave Military Reservation and its Hay and Wood Reservation, except where such bdrs. previously became part of F.M.I.R. Bdy.
- Random or traverse lines not monumented or forming a part of F.M.I.R. Bdy.
- State Boundary Line.
- Present NEY-CALIF. State Bdy. Retraced.
- Tie surveyed bet. abandoned and present NEY-CALIF. State bdrs.

N. Bdy. Frac. T. 18N. R. 22W. resurveyed from 1/4 cor. sec. 3 & 34 to C.C. March 13, 1928

Sub. line bet. secs. 3 & 10 Frac. T. 18N. R. 22W. resurveyed from 1/4 sec. cor. to C.C. - March 13, 1928.

ABANDONED
CAMP MOJAVE
MILITARY
RESERVATION
Surveyed in 1869
(Monumented at corners only)

ABANDONED
HAY and WOOD
RESERVATION of
the CAMP MOJAVE
MIL. RESERVATION
Surveyed in 1869
(Monumented at corners only)

State Bdy. on Center Line of Colorado River

RECORDED POSITION OF WEST LINE (3-4) OF HAY & WOOD RESERVATION

East Side Center Cor.

March 13 Indicates date of retracement or random line.

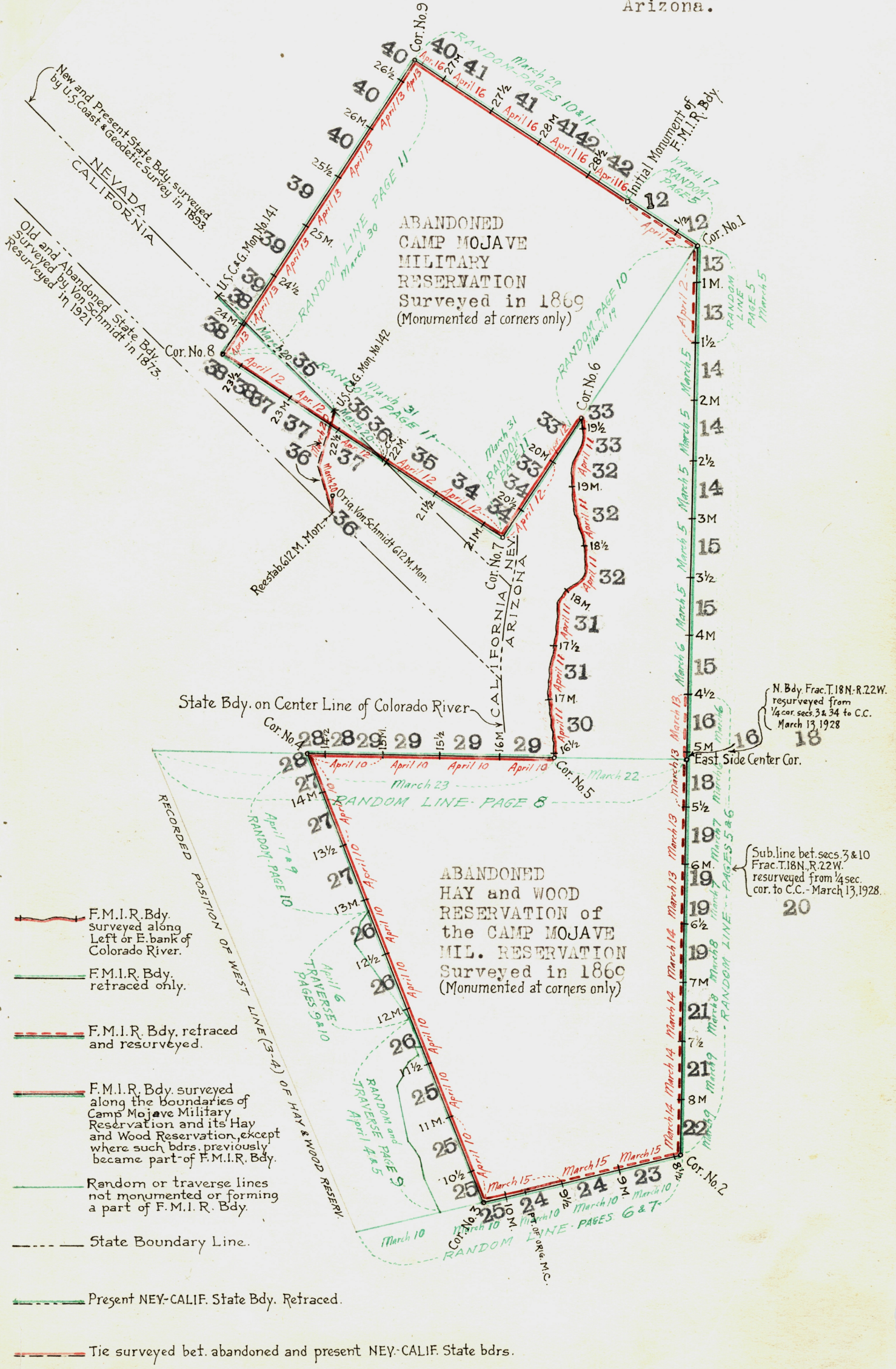
April 13 Indicates date of survey or resurvey.

11 Indicates page number of notes of true line.

BOOK 3885

DATE and INDEX
DIAGRAM of
BOUNDARY of
FORT MOHAVE
INDIAN RESERVATION

Resurveyed and
Surveyed in 1928
under Group 149
Arizona.



The retracements, resurveys and surveys herein described were executed on dates shown on diagram on page 1 hereof, by Sidney E. Blout, U.S. Cadastral Engineer, using a Buff "Rocky Mountain Favorite" solar transit No. 16724, with U-shaped standards, 4 $\frac{1}{2}$ inch horizontal circle, 4 inch vertical circle, and improved Smith solar attachment.

The instrument was examined, tested on the true meridian at the Federal Building, in Phoenix, Arizona, found correct, and approved by the District Cadastral Engineer for Arizona and California, February 27, 1928, conditional upon satisfactory field tests.

All azimuth determinations are accomplished with the solar attachment or by deflection from true meridian established by observations on Polaris as hereinafter stated in the field notes.

March 3, 1928; at NE. Cor. of Camp Mohave Indian Reservation, in sec. 10, frac. T. 19 N., R. 22 W., G. & S. R. B. & M., Arizona, latitude $35^{\circ} 2\frac{1}{2}' N.$, longitude $114^{\circ} 36\frac{1}{2}' W.$, at 8h. 43.8m. p.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, reading the deflection angle from the star in the direction N-W-S to an electric light on water tank at the Fort Mohave Indian School.

Time of observation, Mar. 3, (Mean of four) 8h. 43.8m., p.m.
Mean observed horizontal angle to light

from star in direction N-W-S.	$92^{\circ} 53' 30''$
Azimuth of Polaris at western elong.	$N. 1^{\circ} 19' 03'' W.$
Bearing of reference light	$S. 85^{\circ} 47' 27'' W.$

March 4, 1928; at 8h. 00m., a.m., app. t., set off $35^{\circ} 2\frac{1}{2}' N.$ on the lat. arc, $6^{\circ} 20' S.$ on the decl. arc, and determine a meridian with the solar, whence the reference light on water tank bears $S. 85^{\circ} 47' W.$

At app. noon, with the lat. arc unchanged, observe the sun on the meridian, and obtain a reading of $6^{\circ} 16\frac{1}{2}' S.$ on the decl. arc, which agrees closely with the computed declination of the sun.

At 4h. 00m., p.m., app. t., with the lat. arc unchanged, set off $6^{\circ} 12' S.$ on the decl. arc, and determine a meridian with the solar, whence the reference light on water tank bears $S. 85^{\circ} 48' W.$

As all of the solar observations made during the usual hours of solar work come within $1'$ of the true meridian conclude that the adjustments of the instrument are satisfactory.

March 11, 1928; at same station, at app. noon, make a meridian altitude observation of the sun for latitude, observing the altitude of the sun's lower limb with the telescope in direct position, reversing the transit and observing the sun's upper limb.

Mean observed altitude	$51^{\circ} 23' 11''$
Reduced latitude	$35^{\circ} 02' 43'' N.$

All measurements are made with a Lallie 5 chain steel tape, compared with a Chesterman standard 1 chain steel tape, and found correct. The measurements are made on the slope, the vertical angle determined with a clinometer, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

The Fort Mohave Indian Reservation (formerly the Camp Mohave Indian Reservation) situated in the States of Arizona, California and Nevada, now embraces the abandoned Camp Mojave Military Reservation at the north, the abandoned Hay and Wood Reservation of said Military Reserv. at the south, and that portion of the intervening area which lies east of the present east or left bank of the Colorado River. The boundaries of the old Mil. Reserv. and its Hay and Wood Reserv. were surveyed in 1869 by Military Engineers of the United States War Department, establishing monuments only at each of the four corners of both of said reservations.

In 1905, John J. Fisher, U.S. Deputy Surveyor, in connection with his survey and subdivision of Frac. Ts. 18 and 19 N., R. 22 W., G7 & S.R. B. & M., Ariz., surveyed all of that portion of the Boundary of the Camp Mohave Indian Reservation lying east of the east or left bank of the Colo. River, establishing thereon half-mile and mile monuments, alternately, at 40 ch. intervals, counting from Initial Mon., which he established on the NE. line (4-1) of the Bdy. of old Camp Mojave Mil. Reserv. at its point of intersection with said river bank. Fisher established closing cors. of the Indian Reserv. Bdy. at all points where same was intersected by the township boundaries and subdivision lines of Frac. Ts. 18 and 19 N., R. 22 W., Ariz.

The C.M.I.R. Bdy. as surveyed by Fisher in 1905 was intended to embrace all of those portions of the old Mil. Reserv. and its Hay and Wood Reserv. lying east of the left bank of the Colo. River and the intervening land between said river bank and a direct line bet. Cors. Nos. 1 of both old reservations, with said river bank forming a natural boundary on the west side of the Indian Reserv.

Deputy Surveyor Fisher, preliminary to his surveys, retraced the NE. line (4-1) of the Bdy. of Camp Mojave Mil. Reserv., and the east line (1-2) of the Bdy. of Hay and Wood Reserv., and failed to find any trace of the terminal cor. monuments on either of said lines, therefore, as Cor. No. 1 of the Mil. Reserv., and Cors. Nos. 1 and 2 of the Hay and Wood Reserv. were to determine the alignment of the Bdy. of the Indian Reserv. their original positions were determined by the record ties of Cors. No. 1 of both old reservations to the flag pole on the parade ground at the Camp Mojave Military Post, remains of same being found by Fisher.

Cor. No. 1 of the old Mil. Reserv. was then reestablished as NE. cor. of C.M.I.R. bdy., Cor. No. 1 of old Hay and Wood Reserv. as East Side Center Cor. of C.M.I.R. bdy., Cor. No. 2 of old Hay and Wood Reserv. reestablished at record bearing and dist. from restored position of Cor. No. 1 of same Reserv. and changed to SE. cor. of the Indian Reserv. Bdy., from which cor. the C.M.I.R. Bdy. was surveyed on the record bearing of the south line (2-3) of the old Hay and Wood Reserv. to point of intersection with the east bank of the Colo. River where SW. cor. of C.M.I.R. was established.

Fisher did not survey any portion of the east or left bank of the Colorado River forming part of the Camp Mohave Indian Reservation Boundary.

No subsequent retracement, resurvey or additional survey of the Indian Reservation Bdy. is of record.

The following notes describe:

- Resurvey of Bdy. of Fort Mohave Indian Reserv. from Initial Mon. to 1 1/2 mile mon., and from 4 1/2 mile mon. to 9 1/2 mile mon.
- Retracement of Bdy. of Fort Mohave Indian Reserv. from 1 1/2 mile mon. to 4 1/2 mile mon.

Boundary of Fort Mohave Indian Reservation
(formerly Camp Mohave Indian Reservation)

Survey of completion of Boundary of Fort Mohave Indian Reserv. to include the areas hereinbefore described as comprising said reservation at the present time, ^{North bdy. and part of the} Resurvey of part of the subdivision lines of Frac. T. 18 N., R. 22 W., G. & S. R. B. & M., Ariz.
Retracement of part of the present NEV.-CALIF. State Boundary Line (U.S. Coast & Geodetic Survey Line)
Survey of a TIE between the old and the present NEV.-CALIF. State Boundary Lines.

In addition to descriptions of all Indian Reserv. Bdy. monuments, found, reconstructed, reestablished, or established in these resurveys, retracements and surveys these notes include descriptions of all of the Fisher closing cors. found, reconstructed or reestablished, also closing cors. established on the Reserv. Bdy. at points of intersection with 2nd Standard Parallel N. of the San Bernardino Base Line, Calif., and with the present State Boundary Line Bet. NEV. and CALIF.

A retracement of the Bdy. of old Camp Mojave Mil. Reserv. and of the south and north lines of the Bdy. of the old Hay and Wood Reserv., executed preliminary to the resurvey and survey of the F.M.I.R. Bdy. herein described, failed to reveal any evidence of Cors. Nos. 2, 3 & 4 of the Mil. Reserv., or of Cors. Nos. 3 & 4 of the Hay and Wood Reserv., therefore, the record bearings and distances are used in the survey of such portions of the Bdy. of F.M.I.R. as are intended to be identical with the Bdy. of the old Camp Mojave Mil. Reserv., and the record bearings only are used in the survey of the portions intended to be identical with parts of the south and north lines of the Bdy. of the old Hay and Wood Reserv. The west line of Bdy. of old Hay and Wood Reserv. according to record, was between Cors. Nos. 3 & 4, both of which were located on the east bank of the Colo. River. As all trace of said river bank as it existed in 1869 has now disappeared, the original position of said west line of old Hay and Wood Reserv. is restored for purpose of survey of Bdy. of F.M.I.R. by reference to points where the random south and north lines of said old Reserv. intersect a well defined bank, which must have been the west or right bank of the Colo. River in the year 1869. A more detailed explanation of the restoration of the said west line of the old Reserv. is hereinafter described in notes of "Retracement for Survey".

After the west line of old Hay and Wood Reserv. is restored to approximately its original position, the Bdy. of F.M.I.R. is surveyed northwesterly thereon to original position of Cor. No. 4 where Cor. No. 4 of Bdy. of F.M.I.R. is established.

Thence

easterly along north line of old Hay and Wood Reserv. to its point of intersection with the present east or left bank of Colorado River, which point is now designated and monumented as Cor. No. 5 of Bdy. of F.M.I.R.

Thence

northerly along said east bank of Colo. River to its point of intersection with the SE. line (1-2) of Bdy. of old Camp Mojave Mil. Reserv., which point is now designated and monumented as Cor. No. 6 of Bdy. of F.M.I.R.

Thence

southwesterly on SE. line (1-2) of old Mil. Reserv. to point for Cor. No. 2 thereof, now in Colo. River and designated as Cor. No. 7 of Bdy. of F.M.I.R.

Thence

northwesterly on SW. line (2-3) of old Mil. Reserv. to point for Cor. No. 3 thereof, now designated and monumented as Cor. No. 8 of Bdy. of F.M.I.R.

Boundary of Fort Mohave Indian Reservation
(formerly Camp Mohave Indian Reservation)

K 8885

Thence
northeasterly on NW.line(3-4) of old Mil.Reserv. to
point for Cor.No.4 thereof,now designated and monument-
ed as Cor.No.9 of Bdy. of F.M.I.R.

Thence
southeasterly on NE.line(4-1) of old Mil.Reserv. to
Initial Mon. of Camp Mohave Indian Reserv.,now desig-
nated and monumented as Initial Mon. of Bdy.of F.M.I.R.

The points for Cors.Nos.3 and 7 of Bdy.of F.M.I.R. fall
in the water of the Colo. River. Cor. No.3 is witness-
ed by a monument on line 2-3 of said bdy.near east bank
of river. Point for Cor.No.7 is too far distant from
an accessible point on land to permit of the establish-
ment of a witness cor. thereto.

In the survey of the completion of the Bdy. of F.M.I.R.
hereinafter described, mile and half-mile monuments
are established,alternately, at 40 ch. intervals,count-
ing from the reestablished 9½ mile mon.,except where
surface conditions at such mile or half-mile point
either causes the establishment of a witness cor. or
the omission of both monument and witness cor.thereto.

chains, ----- Retracement for Resurvey. -----

From NE. Cor. of Camp Mohave Indian Reservation, estab-
lished by Fisher in 1905 at restored point for Cor.No.
1 of the old Camp Mojave Mil. Reserv.,
N.56°51'52"W.,(record course) on random line, along NE.
line(4-1) of Bdy.of old Mil.Reserv.,and on 1st mile of
the Camp Mohave Indian Reserv. Bdy.

16.00 (Record dist.) Intersect the ½ mile mon.of Bdy.of C.M.I.R.
Continue line and measurement

48.30 Fall 8 lks. N.0° 2'W. of closing cor.of secs.9 and 10,
Frac.T.19 N.,R.22 W., G.& S.R. B.& M.,Ariz.
Continue line and measurement.

56.00 (Record dist.) Intersect the east or left bank of the
Colo. River. Diligent search in this vicinity fails to
reveal any trace of the Initial Mon. of Bdy. of Camp
Mohave Indian Reserv. Set stake for temp. I.M.

From NE.Cor. of C.M.I.R.
S.0°38' 6"W.,(record course) on random line, on part of
2nd half of 1st mile of C.M.I.R. Bdy.

24.02 Fall 2 lks. W. of 1 mile mon.
True course and dist. of the portion of the 2nd half of
the 1st mile of C.M.I.R. Bdy. bet. NE.Cor. and 1 mile
mon. are therefore, S.0°35'14"W., 24.02 chs.,and the
total length of 2nd half of 1st mile is 40.02 chs.

S.0°38' 6"W.,(record course) on random line, on 1st half
of 2nd mile of C.M.I.R. Bdy.

1.88 (Record dist.) Fall 8 lks. W. of closing cor.of secs.10
and 15, Frac.T.19 N.,R.22 W.,G.& S.R. B.& M.,Ariz.
Continue line and measurement

40.06 Fall 24½ lks. W. of 1½ mile mon.
True course and dist. of 1st half of 2nd mile of C.M.I.
R. Bdy. are therefore, S.0°17' 3"W.,40.06 chs., and
the closing cor. is 7 lks. E. of true line.

From 1½ mile mon. on C.M.I.R. Bdy.,
S.0°38' 6"W.,(record course) on random line, on 2nd half
of 5th mile of C.M.I.R. Bdy.

40.22 Fall 3½ lks. W. of original point of location of the 5
mile mon.
True course and dist. of 2nd half of 5th mile of C.M.I.
R. Bdy. are therefore, S.0°35' 6" W.,40.22 chs.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains	Retracement for Resurvey, continued.
	S.0°38' 6"W., (record course) on random line, on part of 1st half of 6th mile of C.M.I.R. Bdy.
2.07	(Record dist.) Intersect point of original location of reestablished closing cor. of Frac. Ts. 18 and 19 N., R. 22 W., G. & S. R. B. & M., Ariz.
	Continue line and measurement.
7.31	(Record dist.) Intersect East Side Center Mon. of C.M.I. R. Bdy., established in 1905 at restored point for Cor. No. 1 of old Hay and Wood Reserv. of Camp Mojave Mil. Reserv.
	True course and dist. of the portion of the 1st half of the 6th mile of C.M.I.R. Bdy. bet. the 5 mile mon. and the E.S.C. mon. are therefore, S.0°38' 6"W., 7.31 chs., and the closing cor. point is on true line.

	From E.S.C. mon.,
	S.1° 4'28"W., (record course) on random line, on part of 6th mile of C.M.I.R. Bdy.
32.69	(Record dist.) Diligent search in this vicinity fails to reveal any trace of 5½ mile mon.
	Set stake and continue line and measurement.
73.09	Fall 2½ lks. W. of 6 mile mon.
	True course and dist. of the portion of the 6th mile of C.M.I.R. Bdy. bet. the E.S.C. mon. and the 6 mile mon. are therefore, S.1° 3'19"W., 73.09 chs., which, to maintain original proportion bet. mon. intervals, gives 32.87 chs. as true length of the portion of the 1st half of 6th mile bet. the E.S.C. mon. and point for reestablishment of 5½ mile mon., and 40.22 chs. as the true length of 2nd half of 6th mile of C.M.I.R. Bdy.

	S.1° 4'28"W., (record course) on random line, on 7th and 8th miles of C.M.I.R. Bdy.
2.12	(Record dist.) No trace of closing cor. of secs. 3 and 10, Frac. T. 18 N., R. 22 W., G. & S. R. B. & M., Ariz.
	Set stake and continue line and measurement.
40.00	(Record dist.) No trace of 6½ mile mon.
	Set stake and continue line and measurement.
80.00	(Record dist.) No trace of 7 mile mon.
	Set stake and continue line and measurement.
81.82	(Record dist.) No trace of closing cor. of secs. 10 and 15, Frac. T. 18 N., R. 22 W., G. & S. R. B. & M., Ariz.
	Set stake and continue line and measurement.
120.00	(Record dist.) No trace of 7½ mile mon.
	Set stake and continue line and measurement.
160.40	Fall 5 lks. W. of point of original location of the 8 mile mon.
	True course and dist. of C.M.I.R. Bdy. from 6 mile mon. to 8 mile mon. are therefore, S.1°3'25"W., 160.40 chs., which, to maintain original proportion bet. mon. intervals, gives four intervals of 40.10 chs. each, for the reestablishment of the missing 6½, 7 and 7½ mile mons.

	S.1° 4'28"W., (record course) on random line, on part of the 1st half of 9th mile of C.M.I.R. Bdy.
2.00	Intersect point of original location of closing cor. of secs. 15 and 22, Frac. T. 18 N., R. 22 W., G. & S. R. B. & M., Ariz.
	Set stake and continue line and measurement.
37.74	(Record dist.) No trace of SE. Cor. of C.M.I.R. Bdy. established in 1905 at restored point for Cor. No. 2 of old Hay and Wood Reserv.
	Set stake for temp. Cor. No. 2 of F.M.I.R. Bdy.
	Thence
	S.76°17'28"W. (record course) on random line on C.M.I.R. Bdy. bet. the SE. and SW. cors. thereof, identical with part of south line (2-3) of Bdy. of old Hay and Wood Reserv.
2.26	(Record dist.) No trace of 8½ mile mon.
	Set stake and continue line and measurement.
33.38	(Record dist.) No trace of closing cor. of secs. 21 and 22,

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chains

Retracement for Resurvey, continued.

- 42.26 (Record dist.) No trace of 9 mile mon.
 - 82.26 (Record dist.) No trace of 9 1/2 mile mon.
 - 108.26 (Record dist.) No trace of SW. Cor. of C.M.I.R. Bdy. and meander cor. of sec. 21, Frac. T. 18 N., R. 22 W., G. & S.R. B. & M., Ariz.
- Set stake and discontinue "Retracement for Resurvey"

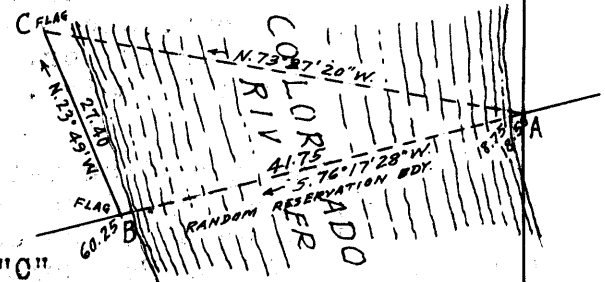
Retracement of the remainder of the south line (2-3) of the bdy. of old Hay and Wood Reserv., on its record course across Colo. River as hereinafter described, fails to locate Cor. No. 3 thereof, therefore the random line run from the 8 mile mon. of C.M.I.R. Bdy. as hereinbefore described, becomes the true line for resurvey of F.M.I.R. Bdy., and the stakes set at the record distances thereon mark the points for reestablishment of all missing cors. and monuments, thus restoring the record of the Fisher survey bet. the 8 and 9 1/2 mile mons.

Retracement for Survey.

- 14.00 (40.00 chs. S. 76° 17' 28" W. from temp. 9 1/2 mile mon.) Set stake for temp. 10 mile mon. and continue line and measurement.
- 18.50 Triangulation point "A" on east or left bank of Colo. River.
- 18.75 East or left edge of water in Colo. River.

Discontinue chaining and measure random line across the river by triangulation as follows:

Set flag "B" ahead on random line, on sand bar near west edge of water surface of Colo. River. Set flag "C" at point near west edge of water and bearing N. 73° 37' 20" W. from triang. point "A".



Bearing bet. flags "B" and "C" is N. 23° 49' W., and the chained distance is 27.40 chs., which is used as a Base for this triangulation. All bearings checked by direct readings of the solar, and all angles checked by deflection.

- Dist. on random line to "A" = 18.50 chs.
- Dist. A-B by triangulation = 41.75 "
- Dist. on random line to "B" = 60.25 chs. from the recorded point of location of SW. Cor. of C.M.I. R. Bdy., or 168.51 chs. S. 76° 17' 28" W. from the temp. SE. Cor. of same bdy.
- 60.25 Triang. flag point "B", on sand bar, near west edge of water surface of Colo. River.
- 64.25 Continue line and measurement by chaining.
- 64.75 Foot of west or right bank of Colo. River, 25 ft. high, bearing NW. and SE.
- 120.24 (Record dist. of 228.50 chs. S. 76° 17' 28" W. from Cor. No. 2 of old Hay and Wood Reserv.) Diligent search in this vicinity fails to reveal any trace of Cor. No. 3 of old Hay and Wood Reserv., however, since this point is on the mesa at a considerable dist. beyond the west bank of the river, and at

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Retracement for Survey, continued.

an elevation of about 50 ft. above the water surface of the river, it is impossible to assume that Cor.No.3 was established in close proximity to this point.

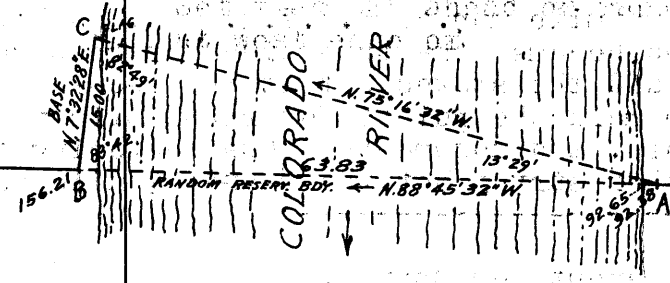
From East Side Center Mon. of C.M.I.R. Bdy. established in 1905 at restored point for Cor.No.1 of old Hay and Wood Reserv.

N.88°45'32"W. (record course) on random line, on north line(4-1) of Bdy. of old Hay and Wood Reserv.

92.38 Triangulation point "A" at top of east or left bank of Colo. River.

92.65 East edge of water surface of Colo. River.

Discontinue chaining and measure random line across the river by triangulation as follows:



Set flag "B" ahead on random line on W. side of river, near W. edge of water surface. Measure a Base N.7°32'28"E., 15.00 chs. from flag "B" and set flag "C". Bearing from triang. point "A" to flag "C" is N.75°16'32"W.

All bearings checked by direct readings of the solar, and all angles checked by deflection.

Dist. of random line to "A" = 92.38 chs.

Dist. A-B by triangulation = 63.83 "

Total dist. to flag "B" = 156.21 chs.

156.21 Triang. flag "B" near west edge of water surface of Colo. River.

Continue line and measurement by chaining.

285.27 Foot of west or right bank of Colo. River, 25 ft. high, bearing NE. and SW.

285.65 Top of same bank, and E. edge of mesa.

369.00 (Record dist.) Diligent search in this vicinity fails to reveal any trace of Cor.No.4 of the old Hay and Wood Reserv., and a study of the topography makes it apparent that said Cor. was never established in close proximity to this point.

The preceding retracement of the south and north lines of the Bdy. of the old Hay and Wood Reservation, in accordance with the calls of the original survey, locates points for Cors. Nos. 3 and 4 of said reserv. on the west side of the Colo. River on land so high as to preclude all possibility of the river having flowed to the west thereof in the year 1869. Therefore, since the record shows these corners as having been established on the east bank of the river, a discrepancy of considerable moment must exist in the record. This discrepancy seems to admit of explanation only by assuming that serious errors were made in the measurement of the reservation boundary.

The Colo. River, at the time the reservation was surveyed in 1869, as nearly as can be determined at the present time from observations on the ground, and from testimony of old Indian inhabitants of the valley, occupied a position in the west side of the valley with its west bank near the foot of the mesa, which is well defined at the present time.

The intervening land, between the foot of the mesa and the present west edge of the water surface, is so low as to be subject to overflow of from two to five feet during the annual high water periods. These repeated inundations of the land, extending over a period of nearly 58 years since survey of the reservation, have destroyed all lines of demarkation of the east bank of the river

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chains

Retracement for Survey, continued.

as it existed in 1869, leaving nothing in the way of topographic evidence from which to determine the actual width of the stream at the time of original survey of the Hay and Wood Reserv. Bdy. Therefore, the points for Cors. Nos. 3 and 4 of said reservation are restored by reference to the official map of same, which shows Cor. No. 3 to be approximately 30 chs. easterly, and Cor. No. 4 to be approximately 22 chs. easterly, from the west bank of the river.

Setting temp. Cor. No. 4 on random north line (4-1) of old Hay and Wood Reserv. Bdy. at 22.00 chs. S. 88° 45' 32" E. from foot of old west bank of river (found at 285.27 ch. station thereon), and computing point for Cor. No. 3 at 30.00 chs. N. 76° 17' 28" E. from foot of same bank (found at 172.51 ch. station on random south line of said Reserv.) gives a bearing of N. 21° 4' 47" W. for the restored west line of said Reserv. The record bearing of said west line is N. 23° 1' 32" W., therefore to more closely approximate the said record bearing, compute the point for Cor. No. 3 at 34.00 chs. N. 76° 17' 28" E. from the foot of the old river bank at 172.51 ch. station on random south line of Reserv., which computed point gives a theoretical bearing of N. 21° 45' 41" W., for said west line.

The point for Cor. No. 3 falls in the water of the Colo. River where it is inaccessible, therefore the beginning of the random line bet. Cors. Nos. 3 and 4 is run and measured from said cor. point by means of a traverse along the west edge of river, chaining from triangulation point "B" which is 30.00 chs. S. 76° 17' 28" W. from said cor. point, as follows:

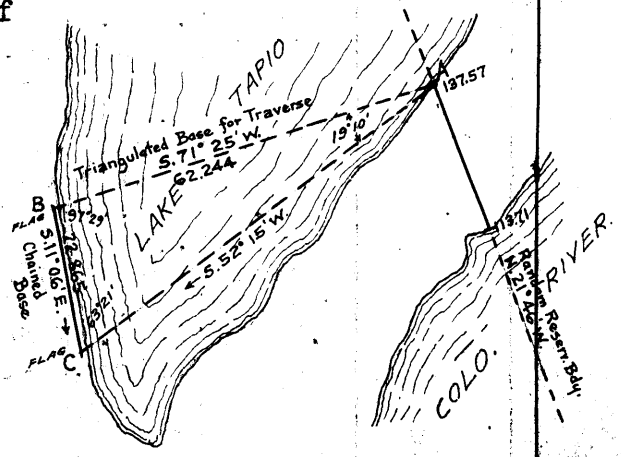
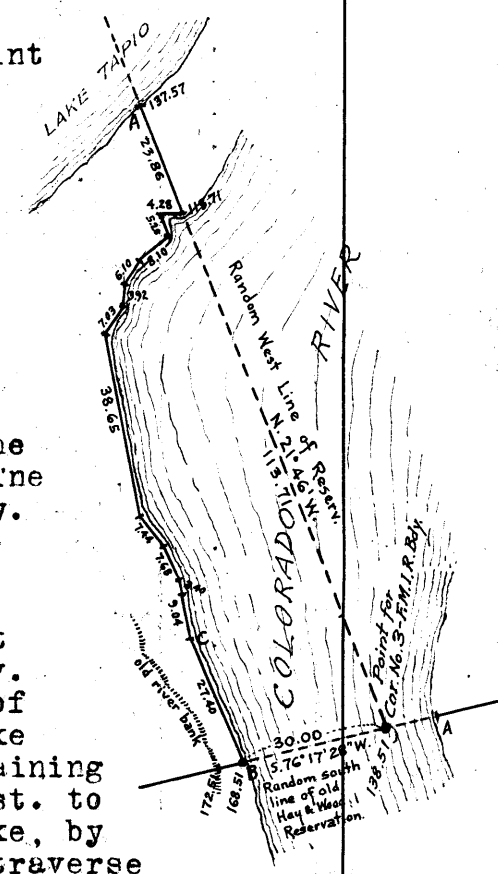
- N. 23° 49' W., 27.40 chs. to triang. point "C". Thence
- N. 10° 55' W., 9.04 " Thence,
- N. 14° 51' W., 3.40 " Thence,
- N. 24° 50' W., 7.68 " Thence,
- N. 36° 54' W., 7.44 " Thence,
- N. 11° 32' W., 38.65 " Thence,
- N. 35° 6' E., 7.03 " Thence,
- N. 1° 4' E., 3.92 " Thence,
- N. 32° 7' E., 6.10 " Thence,
- N. 51° 36' E., 8.10 " Thence,
- N. 21° 53' W., 5.20 " Thence,
- East 4.28 " to point on the random west line of Reserv. Bdy.

which is N. 21° 46' W., 113.71 chs. from the point for Cor. No. 3. Set stake. Thence,

N. 21° 46' W., 23.86 chs. on random west line of Reserv. Bdy. to edge of

a marsh known as Lake Tapio. Set stake for Triang. point "A". Discontinue chaining on random Reserv. Bdy., and measure dist. to point thereon on opposite edge of lake, by means of a triangulated and chained traverse as follows:

Set Flag "B" on west edge of Lake Tapio and bearing S. 71° 25' W. from triang. point "A". Chain a Base S. 11° 6' E., along west edge of lake 22.865 chs. and set flag "C". Bearing from "A" to flag "C" is S. 52° 15' W. All bearings checked by direct readings of the solar and all angles



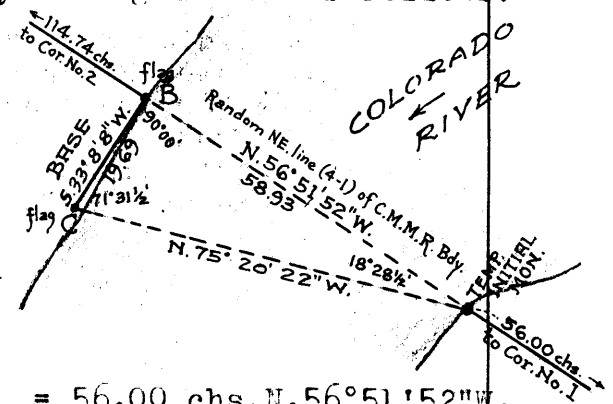
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Retracement for Survey, continued.

Measurement across Colo. River by triangulation as follows:

Set flag "B" ahead on random line at west edge of water surface of river, from which measure a Base S. 33° 8' 8" W., 19.69 chs. and set flag "C", which bears N. 75° 20' 22" W. from temp. Initial Mon. All bearings checked by direct readings of the solar and all angles checked by deflection.



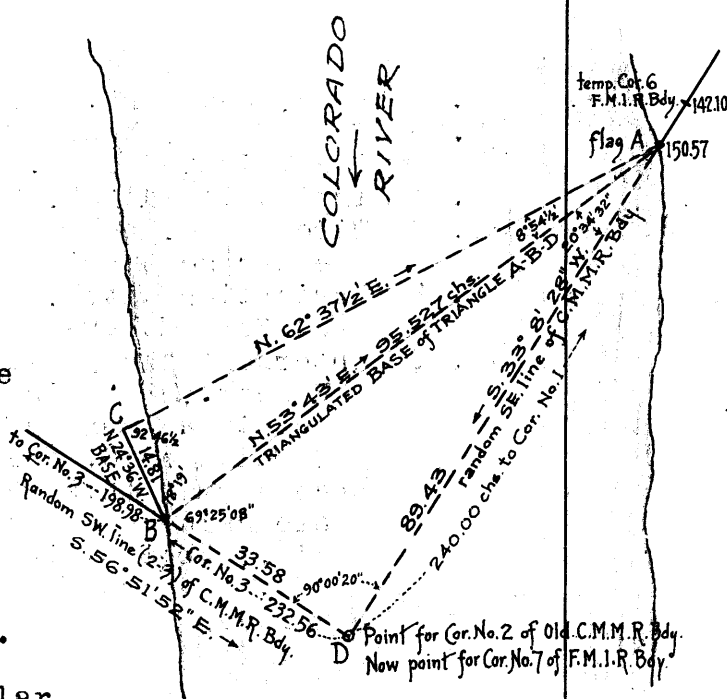
Dist. chained to Initial Mon. = 56.00 chs. N. 56° 51' 52" W.
Dist. triang. I.M. to flag "B" = 58.93 " " " " "
Dist. Cor. No. 1 to flag "B" = 114.93 chs. N. 56° 51' 52" W.

58.93 Triang. flag "B" at west edge of water, Colo. River.
Set stake and continue line and measurement by chaining.
173.67 (Record dist. of 232.60 chs. from restored point for Cor. No. 1 of old Camp Mojave Mil. Reserv.) Diligent search in this vicinity fails to reveal any trace of Cor. No. 4 of said Reserv.
Set stake for temp. Cor. No. 9 of F.M.I.R. Bdy.

S. 33° 8' 28" W., (record course) on random line, on NW. line (3-4) of Bdy. of old Camp Mojave Mil. Reserv.
240.00 (Record dist.) Diligent search in this vicinity fails to reveal any trace of Cor. No. 3 of old Camp Mojave Mil. Reserv.
Set stake for temp. Cor. No. 8 of F.M.I.R. Bdy.

S. 56° 51' 52" E. (record course) on random line, on SW. line (2-3) of Bdy. of old Camp Mojave Mil. Reserv.
198.98 Intersect west or right edge of water surface of the Colo. River. Discontinue chaining and triangulate measurement of remainder of the random SW. line of old Camp Mojave Mil. Res. and portion of SE. line which falls in water surface of Colo. River.

Set stake at this point designated triang. point "B", from which flag "A" at east edge of water surface and at 150.57 ch. station on the random SE. line of C.M.M.R. Bdy. bears N. 53° 43' E.
From "B" measure a Base N. 24° 36' W., 14.81 chs. to point "C", from which the flag "A" bears N. 62° 37 1/2' E.
All bearings checked by direct readings of the solar, and all angles checked by deflection.



Dist. A-B by triangle A-B-C = 95.527 chs.
Designate point for Cor. No. 2 of old Mil. Reserv. as "D"
Using A-B as a Base for triangle A-B-D the length of B-D is computed 33.58 chs., and A-D is 89.43 chs .

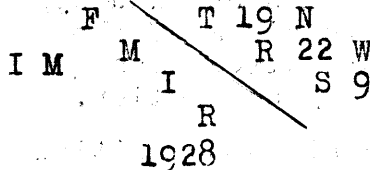
232.56 Intersect point for Cor. No. 2 of Old C.M. Mil. Reserv. in approximately the middle of the Colo. River, at 240.00 chs. S. 33° 8' 28" W. from restored point for Cor. No. 1 of same reservation.
Point for Cor. No. 2 of old Mil. Reserv. becomes the point for Cor. No. 7 of the Bdy. of Fort Mohave Indian Reservation.

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chains

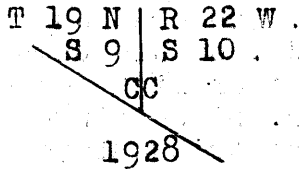
Resurvey of Part of Bdy.

At point where temporary Initial Monument of Camp Mohave Indian Reserv. Bdy. was set on east or left bank of the Colo. River as hereinbefore described, ^{92.79 (old)}
Set an iron post, 3 ft. long, 3 ins. dia., 26 ins. in the ground, with bottle deposited at base of post, for re-established Initial Monument of Boundary of the Fort Mohave Indian Reservation, with brass cap marked,



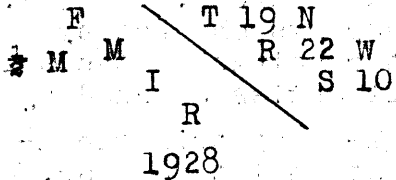
Thence, S. 56° 51' 52" E., on true line, on 1st half of 1st mile of Bdy. of Fort Mohave Indian Reservation.
Over gently rolling land, thru scattering undergrowth.
7.70 Intersect the subdivision line bet. secs. 9 and 10 of Frac. T. 19 N., R. 22 W., G. & S. R. B. & M., Ariz., at a point 8 lks. N. 0° 2' W. from closing cor. of said secs. which is a granite stone, 6x4x4 ins. above ground, firmly set, marked CC on N. face, and C.M.I.R. on SW. face, and witnessed by a mound of stone North. This CC monument being out of alignment with Reserv. Bdy. monuments, alter same to a witness point by marking the letters W P on the N. face of the stone.

At point of intersection, set an iron post, 3 ft. long, 2 ins. dia., 28 ins. in the ground, for reestablished closing cor. of secs. 9 and 10, Frac. T. 19 N., R. 22 W., Ariz., with brass cap marked,



- 11.20 Road, bears NE. and SW.
- 17.20 Wire fence, bears E. and W. Leave undergrowth and enter cultivated land.
- 25.03 Irrigation ditch, 5 lks. wide, course N.
- 30.30 Wire fence, bears E. and W. Leave cultivated land and enter scattering undergrowth.
- 30.45 Irrigation ditch, 5 lks. wide, course E. from pumping plant at Fort Mohave Indian School.
- 40.00 Intersect the 1/2 mile monument of Camp Mohave Indian Reserv., which is a granite stone, 12x10x8 ins., loosely set in a mound of stone, marked P L on N. face, and C M I R on S. face.

Reconstruct this monument as follows:
alongside old stone, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 1/2 mile monument of Bdy. of Fort Mohave Indian Reserv., with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, SW. of mon.
Thence, S. 56° 51' 52" E., on true line, on part of 2nd half of 1st mile of F.M.I.R. Bdy.

16.00 Over gently rolling land, thru scattering undergrowth. Intersect NE. Cor. of Camp Mohave Indian Reserv., which is a granite stone, 12x12x6 ins. above ground, firmly set, and marked P L on NE. face, and C M I R NE COR

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chains

Resurvey, continued.

on SW. face.

Reconstruct this corner monument as follows:
alongside old stone, set an iron post, 3 ft. long, 3 ins.
in dia., 26 ins. in the ground, for Cor. No. 1 of the
boundary of Fort Mohave Indian Reserv., with brass cap
marked



1928

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, SW. of cor.
Thence,
S. 0° 35' 14" W., on true line, on part of 2nd half of 1st
mile of F.M.I.R. Bdy.

12.94
24.02

Over gently rolling land, thru scattering undergrowth.
Head of wash, 10 lks. wide, course NE.
Intersect original 1 mile Mon., which is a granite stone,
26x15x8 ins., loosely set, marked P L on E. face, and
C M I R LM on W. face.

Reconstruct this mile mon. as follows:
reset same stone, in same position, 18 ins. in the ground,
mark T 19 N R 22 W S 10 on E. face, FMIR LM on W. face,
and deposit a marked stone alongside, for 1 mile mon-
ument of Bdy. of the Fort Mohave Indian Reserv.

Land, gently rolling. Soil, gravelly, 2nd rate.
Timber, none Undergrowth, greasewood and sagebrush.

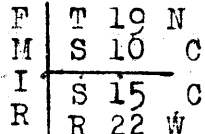
S. 0° 17' 3" W., on true line, on 1st half of 2nd mile of
F.M.I.R. Bdy.

1.88

Over level land, thru scattering undergrowth.
Intersect the subdivision line bet. secs. 10 and 15, Frac.
T. 19 N., R. 22 W., G. & S. R. B. & M., Arizona, at a point
7 lks. West of the original closing cor., which is a
granite stone, 12x10x10 ins. above ground, firmly set,
marked C C on E. face, and C M I R on W. face.

Change this closing cor. monument to a witness point by
obliterating the old markings on same, and mark W P
on E. face.

At point of intersection, set an iron post, 3 ft. long,
2 ins. dia., 26 ins. in the ground, for reestablished
closing cor. of secs. 10 and 15, frac. T. 19 N., R. 22 W.,
Ariz., with brass cap marked



1928

This C.C. is set alongside a fence corner post, from
which fences extend E. and S.
Thence along west side of fence and E. side of road from
Fort Mohave Indian School to Oatman.

2.40
40.06

Road to ranch house, bears NW. and SE.
Intersect original 1/2 mile mon., which is a granite stone
12x10x4 ins. above ground, firmly set, marked 1/2 M on
N. face, P L on E. face, C M I R on W. face, and witnessed
by two pits, one each N. and S. of mon., and a mound of
earth N. This 1/2 mile mon. now becomes the 1 1/2 mile mon.
of the Bdy. of Fort Mohave Indian Reserv., and as it is
in a good state of preservation, no reconstruction is
required.

The stone is set alongside a fence corner from which
fences extend E. and N.

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chains	Retracement
	<p>From $1\frac{1}{2}$ mile mon., hereinbefore described, S. $0^{\circ}38' 6''$ W., (record course) on random line, on 2nd half of 2nd mile of F.M.I.R. Bdy. Over level land, thru scattering undergrowth.</p>
23.50	Road, from Ft. Mohave Indian School to Oatman, bears NW. and SE.
40.00	<p>Fall 14 lks. W. of original 2 mile mon., which is a malpais stone, $16 \times 10 \times 8$ ins. above ground, firmly set, marked 2M on N. face, P L on E. face, C M I R on W. face, and witnessed by two pits, one each N. and S. of mon., and a mound of earth N. This mon. is now the 2 mile mon. of F.M.I.R. Bdy., and the same being in a good state of preservation no reconstruction is required. True course and dist. of 2nd half of the 2nd mile of the F.M.I.R. Bdy. are therefore, S. $0^{\circ}26' 4''$ W., 40.00 chs.</p> <p>Land, level. Soil, gravelly, 2nd rate. Timber, none. Undergrowth, greasewood and sagebrush.</p>
	<p>From original 2 mile mon., S. $0^{\circ}38' 6''$ W. (record course), on random line, on 1st half of 3rd mile of F.M.I.R. Bdy. Over level land, thru scattering undergrowth.</p>
1.98	Intersect the closing cor. of secs. 15 and 22, Frac. T. 19 N., R. 22 W., Ariz., which is a granite stone $12 \times 8 \times 6$ ins. above ground, firmly set, marked C C on E. face, C M I R on W. face, and witnessed by three pits, one each E., N. and S. of cor., and a mound of earth E.
6.20	Road, from Ft. Mohave Indian School to Needles, bears NW. and SE.
39.30	Wire fence, bears N. 70° W. and S. 70° E.
40.12	<p>Fall 6 lks. W. of $2\frac{1}{2}$ mile mon., which is a malpais stone, $10 \times 4 \times 4$ ins. above ground, firmly set, marked $\frac{1}{2}$M on N. face, P L on E. face, C M I R on W. face, and witnessed by two pits, one each N. and S. of mon., and a mound of earth N. This mon. now becomes the $2\frac{1}{2}$ mile mon. of F.M.I.R. Bdy. and being in a good state of preservation no recon- struction is required. True course and dist. of 1st half of the 3rd mile of the F.M.I.R. Bdy. are therefore, S. $0^{\circ}32' 56''$ W., 40.12 chs., and the closing cor. being on line, and in a good state of preservation, is neither reestablished or reconstruc- ted.</p> <p>Thence, S. $0^{\circ}38' 6''$ W. (record course), on random line, on 2nd half of 3rd mile of F.M.I.R. Bdy. Over level land, thru scattering undergrowth.</p>
25.00	West edge of mesa, bears NE. and SW. Leave level and enter rolling land. Descend 45 ft. over S. slope.
31.00	Wash, 50 lks. wide, course SW. Descend gradually over SW. slope to
40.07	<p>Fall $10\frac{1}{2}$ lks. W. of original 3 mile mon., which is a granite stone, $12 \times 6 \times 4$ ins. above ground, firmly set, marked 3M on N. face, P L on E. face, C M I R on W. face, and witnessed by a mound of stone W. of mon. This mon. now becomes the 3 mile mon. of F.M.I.R. Bdy. and being in a good state of preservation, no recon- struction is required. True course and dist. of 2nd half of the 3rd mile of the F.M.I.R. Bdy. are therefore, S. $0^{\circ}29' 3''$ W., 40.07 chs.</p> <p>Land, level and rolling. Soil, sandy and gravelly, 2nd rate. Timber, none. Undergrowth, sagebrush and greasewood.</p>

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chains

Retracement, continued.

S.0°38' 6"W. (record course), on random line, on 4th mile (1st half) of F.M.I.R. Bdy.
Over rolling land, thru scattering undergrowth.

2.04 Fall ½ lk. W. of closing cor. of secs.22 and 27, Frac. T.19 N., R.22 W., Ariz., which is a granite stone 8x6x6 ins. above ground, firmly set, marked C C on E. face, C M I R on W. face, and witnessed by a mound of stone E. of cor.

2.40 Road, bears W. and S.70°E.
4.30 Wash, 30 lks. wide, course W.
5.00 Ascend 29 ft. over N. slope.
10.00 Top of ascent, bears NE. and SW., on point of mesa.
Continue over rolling land.
32.70 Wash, 50 lks. wide, course SW.
40.10 Fall 8 lks. W. of the ¾ mile monument, which is a malpais stone 12x8x6 ins. above ground, firmly set, marked M on N. face, P L on E. face, and witnessed by a mound of stone W. of mon.
This mon. is now the ¾ mile mon. of F.M.I.R. Bdy., and the same being in a good state of preservation no reconstruction is required.

True course and dist. of 1st half of the 4th mile of the F.M.I.R. Bdy. are therefore, S.0°31'13"W., 40.10 chs., and the closing cor. being on line, and in a good state of preservation, is neither reestablished or reconstructed.

Thence,
S.0°38' 6"W. (record course), on random line, on 2nd half of 4th mile of F.M.I.R. Bdy.
Over rolling land, thru scattering undergrowth.

7.90 North bank of wash, bears NE. and SW. Descend.
10.00 Wash, 20 lks. wide, course SW. Ascend 30 ft. over N. slope.
15.82 Fall 96 lks. E. of U.S.C. & G.S. Lat. 35° Monument, which is a pine post, 4 ins. square, projecting 3 ft. above ground, firmly set in ground and mound of stone, marked 1893 on N. face, C G S on E. face, and LAT 35° on W. face.

17.90 Ridge, bears NE. and SW. Descend.
21.50 N. bank of wash, 30 ft. high, bears N.70°E. and S.70°W.
24.00 Wash, 20 lks. wide, course S.70°W. Ascend 30 ft. to
28.30 S. bank of wash, bears NE. and SW. Ascend gradually.
35.00 Ridge, bears E. and W. Descend over S. slope to
39.98 Fall 10½ lks. W. of the 4 mile monument, which is a granite stone 8x6x4 ins. above ground, firmly set, marked 4M on N. face, P L on E. face, C M I R on W. face, and witnessed by a mound of stone W. of mon.
This mon. is now the 4 mile mon. of F.M.I.R. Bdy, and the same being in a good state of preservation, no reconstruction is required.

True course and dist. of 2nd half of the 4th mile of the F.M.I.R. Bdy. are therefore, S.0°29' 3"W., 39.98 chs., and the U.S. C. & G.S. Lat. 35° Mon. is 1.00 ch. W. of 15.82 ch. station on true line.

Land, rolling. Soil, gravelly, 2nd and 3rd rate.
Timber, none. Undergrowth, greasewood and sagebrush.

S.0°38' 6"W. (record course), on random line, on 1st half of 5th mile of F.M.I.R. Bdy.
Over rolling land, thru scattering undergrowth.
Descend gradually over S. slope.

2.22 Fall ½ lk. W. of closing cor. of secs.27 and 34, Frac. T.19 N., R.22 W., Ariz., which is a granite stone 6x5x4 ins. above ground, firmly set, marked C C on E. face, C M I R on W. face, and witnessed by a mound of stone E. of cor.

35.20 Gulch, 35 ft. deep, course S.70°W. Ascend over N. slope.
40.10 Fall 10½ lks. W. of the 4½ mile monument, which is a

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Retracement continued.

granite stone, 14x6x6 ins. above ground, firmly set, marked M on N. face, P L on E. face, C M I R on W. face, and witnessed by a mound of stone W. of mon. This monument is now the 4 1/2 mile mon. of the F.M.I.R. Bdy., and being in a good state of preservation no reconstruction is required.

True course and dist. of 1st half of the 5th mile of the F.M.I.R. Bdy. are therefore, S. 0° 29' 3" W., 40.10 chs.; and the closing cor. being on line, and in a good state of preservation, is neither reestablished or reconstructed.

Resurvey.

From 4 1/2 mile monument, S. 0° 35' 6" W., on true line, on 2nd half of the 5th mile of F.M.I.R. Bdy.

- 1.60 Over rolling land, thru scattering undergrowth. West edge of mesa, bears NW. and SE. Descend 50 ft. over SW. slope to
- 4.90 Foot of descent. Leave rolling and enter level bottom land of the Colorado River.
- 5.90 Enter scattering timber, bears NW. and SE.
- 40.22 Intersect point of original location of the 5 mile monument, determined by record tie of 110 lks. S. 57 1/2° E. from a charred mesquite stump on which marking B T is still legible. No trace of original SW. bearing tree can be found.

Reconstruct the mile monument at original point as follows:

set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground; with a bottle deposited at base of post, for 5 mile mon. of F.M.I.R. Bdy., with brass cap marked

	F		
	M	T 19 N	
5 M		S 34	
	I	R 22 W	
	R		

1928

Land, rolling and level. Soil, gravelly and sandy, 3rd and 2nd rate. Timber, mesquite. Undergrowth, sagebrush, greasewood and arrow-weed.

S. 0° 38' 6" W., on true line, on part of the 1st half of the 6th mile of the F.M.I.R. Bdy.

- 2.07 Over level bottom land of the Colorado River, thru scattering timber and undergrowth. reestablished
Intersect point of original location of the closing cor. of Prac. Ts. 18 and 19 N., R. 22 W., Ariz., determined by record ties from stumps of the two original bearing trees, both mesquite, with markings obliterated. One bears N. 35 1/2° E., 22 lks. dist., and the other S. 70° E., 92 lks. dist., from cor. point.

Reconstruct the closing cor. in original position as follows:

set an iron post, 3 ft. long, 2 ins. dia., 28 ins. in the ground, with a bottle deposited at base of post, for closing cor. of Prac. Ts. 18 and 19 N., R. 22 W., Ariz., with brass cap marked

		T 19 N	
	F	R 22 W	
	M	S 34 C	
	I	S 3 C	
	R	T 18 N	

1928

- 5.57 Vanfleet's house, bears West 2.00 chs. dist.

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chains

Resurvey continued.

7.31 Intersect the East Side Center Monument, which is a decayed mesquite post, about 4 ins. square, projecting 6 ins. above ground, firmly set, marking obliterated, and witnessed by stump of one of the two original mesquite bearing trees, which bears S. 45 1/4° W., 27 lks. dist. from the post. No trace of the original NW bearing tree can be found.

Reconstruct this mon. as follows:
alongside old mesquite post, set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for East Side Center Monument of the Ft. Mohave Indian Reservation boundary, with brass cap marked

	F	T 18 N
	M	S 3
E S C	R	22 W
	I	
	R	

1928

from which
a willow, 8 ins. dia., bears N. 77 3/4° W., 166 lks. dist., marked E S C FMIR BT

SE. cor. of house, bears N. 37 1/8° W., 139 lks. dist.
U.S.G.S. Bench Mark, Elev. 488 ft., in headgate of Colorado Irrigation Co. Canal, bears N. 56° 9' W., 10.68 chs. dist.

Land, level. Soil, sandy, 1st and 2nd rate.
Timber, mesquite, willow and cottonwood.
Undergrowth, arrow-weed and scrub mesquite.

RESURVEY of Part of the North Boundary of
Fractional Township 18 North, Range 22 West
Gila & Salt River Base & Meridian, Arizona

The north bdy. of Frac. T. 18 N., R. 22 W., Ariz. was surveyed in 1873 by O.H. Case, U.S.D.S., with a due West course and a distance of 363.00 chs. from NE. cor. of said Tp. to point of intersection with the east line of the bdy. of the old Hay and Wood Reservation of the Camp Mojave Military Reserv.

No retracement or resurvey of this township boundary was executed until 1905, when J.J. Fisher, U.S.D.S. made an independent resurvey of the entire line, recording a due west course and a length of 202.71 chs.

A comparison of records of the survey and resurvey of the Tp. bdy. shows that the latter was executed in a position approximately one half mile north and two miles west from the former.

No retracement or resurvey, subsequent to the Fisher resurvey, is of record.

The following notes describe a resurvey of that portion of the line between the 1/4 sec. cor. of secs. 3 and 34, and the Tp. closing cor. of the F.M.I.R. Bdy.

Retracement for Resurvey.

From point of original location of the reestablished 1/4 sec. cor. of secs. 3 and 34, West, on random line, bet. secs. 3 and 34.

2.71 Intersect the reestablished closing cor. of Frac. Ts. 18 and 19 N., R. 22 W., on the bdy. of Ft. Mohave Indian Reserv.

True course and dist. of the portion of the N. bdy. of

Resurvey of Part of the North Boundary of
Frac. Township 18 North, Range 22 West, Ariz.

chains

Retracement for Resurvey, continued.

Frac. T. 18 N., R. 22 W. just retraced are therefore,
West, 2.71 chs.

Resurvey.

The point of original location of the Fisher reestab-
lished $\frac{1}{4}$ sec. cor. of secs. 3 and 34, Frac. Ts. 18 and 19
N., R. 22 W. is determined by the record ties to the
bearing trees as follows:

- a mesquite, 10 ins. dia., N. 14° W., 71 lks. dist.,
marked $\frac{1}{4}$ S34 BT
- a mesquite, 10 ins. dia., S. 84° W., 68 lks. dist.,
marked $\frac{1}{4}$ S3 BT

Reconstruct the cor. at the point of original location
as follows:

set an iron post, 3 ft. long, 1 in. dia., 28 ins. in the
ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 3 and 34,
Frac. Ts. 18 and 19 N., R. 22 W., Ariz., with brass cap
marked

S 34
 $\frac{1}{4}$ S 3

1928

Thence,

West, on true line, bet. secs. 3 and 34 (West frac.)
Over level bottom land of the Colorado River, thru
scattering timber and undergrowth.

2.71

Intersect the reestablished closing corner of Frac.
Ts. 18 and 19 N., R. 22 W., Ariz., on the bdy. of the
Ft. Mohave Indian Reserv., reconstructed as hereinbefore
described.

Land, level. Soil, 1st rate.
Timber, mesquite, willow and cottonwood.
Undergrowth, arrowweed and scrub mesquite.

Boundary of Fort Mohave Indian Reservation.
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Resurvey, continued.

From the East Side Center monument of the Bdy. of the
Ft. Mohave Indian Reserv., hereinbefore described,
S. 1° 3' 19" W., on true line, on part of the 1st half of
the 6th mile of F.M.I.R. Bdy.

Over level bottom land of the Colorado River, thru
scattering timber and undergrowth.

1.50

Road, from Ft. Mohave Indian School to Needles,
bears N. 10° W. and S. 10° E.

6.49

Colorado Irrigation Co. Canal, 25 lks. wide, 5 ft. deep,
course S. 1° W. Thence along W. edge of same.
Enter dense undergrowth, bears NW. and SE.

7.69

Road, from Ft. Mohave Indian School to Needles,
bears NE. and SW.

32.87

(Proportional dist.) Set an iron post, 3 ft. long, 1 in.
dia., 26 ins. in the ground, for reestablished $5\frac{1}{2}$
mile mon., of F.M.I.R. Bdy., with brass cap marked

F
M | T 18 N
 $5\frac{1}{2}$ M | S 3
I | R 22 W
R

1928.

Boundary of Fort Mohave Indian Reservation
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BOOK 3885

chains

Resurvey, continued.

from which
a mesquite, 4 ins. dia., bears N.18 $\frac{1}{2}$ °E., 13 lks.
dist., marked F M I R 5 $\frac{1}{2}$ M BT
a mesquite, 4 ins. dia., bears S.88 $\frac{3}{4}$ °W., 13 lks.
dist., marked F M I R 5 $\frac{1}{2}$ M BT

Thence,
S.1° 3' 19" W., on true line, on 2nd half of 6th mile
of F.M.I.R. Bdy.

Over level bottom land of the Colorado River, thru
dense undergrowth and scattering timber, along W. side
of Colorado Irrigation Co. canal.

40.22 Intersect the 6 mile monument, which is a decayed mesquite
post, 4 ins. square, projecting 6 ins. above ground,
with marking nearly obliterated. No trace of either of
the two original mesquite bearing trees can be found.

Reconstruct this mile mon. as follows:
alongside old mesquite post, set an iron post, 3 ft.
long, 2 ins. dia., 26 ins. in the ground, with a marked
stone deposited at base, for 6 mile monument of the
Bdy. of Ft. Mohave Indian Reserv., with brass cap marked

F
M | T 18 N
6 M | S 3
I | R 22 W
R

1928

No bearing trees available.

Land, level. Soil, sandy, 1st and 2nd rate.
Timber, mesquite, willow and cottonwood.
Undergrowth, arrow-weed and scrub mesquite.

S.1° 3' 25" W., on true line, on 7th mile of Bdy. of Ft.
Mohave Indian Reserv.

Over level bottom land of the Colorado River, thru
dense undergrowth and scattering timber, along W. side
of Colorado Irrigation Co. canal.

2.12 Stake set at this point for temp. closing cor. of secs. 3
and 10, Frac. T. 18 N., R. 22 W., Ariz., as hereinbefore
described. Permanent mon. for said closing cor.
established at this point as hereinafter described.

40.10 (Proportional dist.) Set an iron post, 3 ft. long, 1 in.
dia., 26 ins. in the ground, for reestablished 6 $\frac{1}{2}$ mile
mon. of F.M.I.R. Bdy., with brass cap marked

F
M | T 18 N
6 $\frac{1}{2}$ M | S 10
I | R 22 W
R

1928

from which
a willow, 16 ins. dia., bears N.68 $\frac{1}{2}$ °W., 173 lks.
dist., marked F M I R 6 $\frac{1}{2}$ M BT
a willow, 18 ins. dia., bears N.86 $\frac{3}{4}$ °W., 224 lks.
dist., marked F M I R 6 $\frac{1}{2}$ M BT

80.20 Continue along W. side of Colorado Irrigation Co. canal.
(Proportional dist.) Set an iron post, 3 ft. long, 2 ins.
dia., 28 ins. in the ground, for reestablished 7 mile
mon. of F.M.I.R. Bdy., with brass cap marked

F
M | T 18 N
7 M | S 10
I | R 22 W
R

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Resurvey, continued.

	F		
	M	T	18 N
7 M		S	10
	I	R	22 W
	R		

1928

from which
 a willow, 12 ins. dia., bears S.61 $\frac{1}{2}$ °W., 134 lks.
 dist., marked F M I R 7M BT
 a willow, 12 ins. dia., bears S.83 $\frac{3}{4}$ °W., 112 lks.
 dist., marked F M I R 7M BT

Land, level. Soil, sandy, 1st and 2nd rate.
 Timber, willow, cottonwood and mesquite.
 Undergrowth, scrub mesquite and arrow-weed.

Resurvey of Part of the Subdivision Lines of
 Fractional Township 18 North, Range 22 West,
 of the Gila and Salt River Base and Meridian, Arizona.

The subdivision lines of Frac. T.18 N., R.22 W., Ariz.,
 were surveyed by J.J.Fisher, U.S.D.S. in 1905 and no
 retracement or resurvey of any part of same is of
 record.

The following notes describe a resurvey of that portion
 of the line between sections 3 and 10, between the
 $\frac{1}{4}$ sec.cor. and the closing cor. on Reserv. Bdy.

 Retracement for Resurvey.

From the original $\frac{1}{4}$ sec.cor.of secs.3 and 10,
 West, on random line.

4.23 Intersect the stake set on F.M.I.R. Bdy. for temp.
 closing cor. of secs.3 and 10, as hereinbefore
 described.

True course and dist. of the fractional W. half of
 line bet.secs. 3 and 10 are therefore, West, 4.23 chs.

 Resurvey.

The original $\frac{1}{4}$ sec.cor.of secs.3 and 10 is a mesquite
 stake, 4 ins. square, projecting 8 ins. above ground,
 firmly set, and marked $\frac{1}{4}$ S on N. face. No trace of
 either of the two original bearing trees can be found.

Reconstruct this cor. monument as follows:

alongside old stake, set an iron post, 3 ft.long, 1 in.
 dia., 27 ins. in the ground, for $\frac{1}{4}$ sec.cor.of secs. 3
 and 10, with brass cap marked

	S	3
$\frac{1}{4}$	-----	
	S	10

• 1928

from which
 a mesquite, 6 ins. dia., bears N.76 $\frac{1}{2}$ °W., 94 lks.
 dist., marked $\frac{1}{4}$ S3 BT
 a mesquite, 6 ins. dia., bears S.42 $\frac{1}{2}$ °W., 73 lks.
 dist., marked $\frac{1}{4}$ S10 BT.

Thence,
 West, on true line, bet. secs.3 and 10 (West frac.)
 Over level bottom land of the Colorado River, thru
 scattering timber and dense undergrowth.

4.07 Colorado Irrigation Co. canal, 25 lks.wide, 5 ft. deep,

Resurvey of Part of the Subdivision Lines of Fractional Township 18 North, Range 22 West, Ariz.

BOOK 3885

chains

4.23

course S.1°W.

Intersect the Bdy. of Ft. Mohave Indian Reserv. at the temp. closing cor. set at 2.12 chs. S.1° 3'25"W. from the 6 mile mon. thereon as hereinbefore described. At this point of intersection, set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for reestablished closing cor. of secs. 3 and 10, Frac. T.18 N., R.22 W., Ariz., with brass cap marked

F	T 18 N
M	S 3
I	S 10
R	R 22 W

1928

from which
a mesquite, 4 ins. dia., bears N.76 $\frac{3}{4}$ °E., 36 lks. dist., marked T18N R22W S3 CC BT
a mesquite, 6 ins. dia., bears S.78 $\frac{1}{2}$ °E., 37 lks. dist., marked T18N R22W S10 CC BT

Land, level. Soil, sandy, 1st rate.
Timber, mesquite, willow and cottonwood.
Undergrowth, arrow-weed and scrub mesquite.

Boundary of Fort Mohave Indian Reservation (Formerly Camp Mohave Indian Reservation)

Resurvey, continued.

1.82

From the 7 mile mon., hereinbefore described, S.1°3'25"W., on true line, on 8th mile of F.M.I.R. Bdy. Over level bottom land of the Colorado River, thru scattering timber and dense undergrowth, along W. side of Colorado Irrigation Co. canal. (Proportional dist.) Set an iron post, 3 ft. long, 2 ins. dia., 28 ins. in the ground, for reestablished closing cor. of secs. 10 and 15, Frac. T.18 N., R.22 W., Ariz., with brass cap marked

F	T 18 N
M	S 10
I	S 15
R	R 22 W

1928

Continue line and measurement.

38.75

Wire fence, bears E. and W.

40.10

(Proportional dist.) Set an iron post, 3 ft. long, 1 in. dia., 28 ins. in the ground, for reestablished 7 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy., with brass cap marked

F	T 18 N
M	S 15
I	R 22 W
R	

7 $\frac{1}{2}$ M
1928

from which
a cottonwood, 14 ins. dia., bears N.70°W., 106 lks. dist., marked F M I R 7 $\frac{1}{2}$ M BT
a mesquite, 12 ins. dia., bears S.77 $\frac{1}{4}$ °W., 154 lks. dist., marked F M I R 7 $\frac{1}{2}$ M BT

80.20

(Intersect point of original location of the 8 mile mon. determined by record tie of 232 lks. S.49 $\frac{3}{4}$ °E. from remains of original NW. bearing tree, a mesquite stump on which marking BT is still visible. No trace of original SW. bearing tree can be found. Reconstruct this mile mon. as follows:
at original point, set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for 8 mile mon. of the

Boundary of Fort Mohave Indian Reservation
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chains

Resurvey, continued.

Bdy. of Ft. Mohave Indian Reserv., with brass cap marked

F	T 18 N
M	S 15
I	R 22 W
R	

1928

from which

a willow, 12 ins. dia., bears S. 89 $\frac{1}{2}$ ° W., 96 lks.
dist., marked F M I R 8M BT

a mesquite, 6 ins. dia., bears S. 74 $\frac{3}{4}$ ° W., 249 lks.
dist., marked F M I R 8M BT

Land, level. Soil, sandy, 1st and 2nd rate.
Timber, cottonwood, willow and mesquite.
Undergrowth, scrub mesquite and arrow-weed.

2.00

S. 1° 4' 28" W. (record course), on true line, on part of
the 1st half of 9th mile of F.M.I.R. Bdy.
Over level bottom land of the Colorado River, thru
dense timber and undergrowth, along W. side of
Colorado Irrigation Co. canal.

**Intersect the point of original location of the closing
cor. of secs. 15 and 22, Frac. T. 18 N., R. 22 W., Ariz.,
determined by record tie to the original NE. bearing
tree, which is a mesquite 16 ins. dia., bearing
N. 57° E., 307 lks. dist. from cor. point. No trace of
the original SE. bearing tree can be found.
The original bearing tree is marked T. 18 N. R. 22 W. S
S 15 CC BT.**

Reconstruct the cor. monument at original point as
follows:

set an iron post, 3 ft. long, 2 ins. dia., 28 ins. in
the ground, for closing cor. of secs. 15 and 22, Frac.
T. 18 N., R. 22 W., Ariz., with brass cap marked

F	T 18 N
M	S 15
I	S 22
R	R 22 W

1928

from which

a mesquite, 6 ins. dia., bears S. 31 $\frac{1}{2}$ ° E., 48 lks.
dist., marked T 18 N R 22 W S 22 CC BT

Continue line and measurement

7.64
23.60
37.74

Dim road, bears E. and W.

Indian hut, bears West, 10 lks. dist.

Intersect stake set at record bearing and dist. from
8 mile mon., as hereinbefore described, for temp. Cor.
No. 2 of F.M.I.R. Bdy.

At this point,

set an iron post, 3 ft. long, 3 ins. dia., 27 ins. in
the ground, for reestablished Cor. No. 2 of the F.M.
I.R. Bdy., with brass cap marked

F	T 18 N
M	S 22
I	R 22 W
R	

1928

from which

a willow, 12 ins. dia., bears N. 24° W., 66 lks.
dist., marked F M I R COR 2 BT

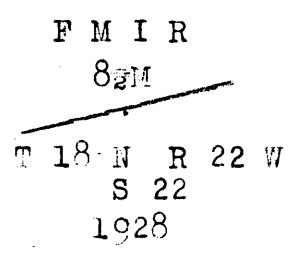
a willow, 14 ins. dia., bears N. 61° W., 123 lks.
dist., marked F M I R COR 2 BT

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chains

Resurvey, continued.

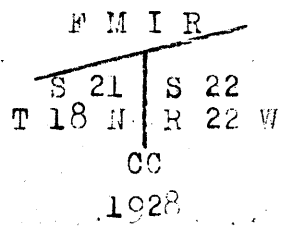
Thence,
S.76°17'28"W.(record course), on true line, on part of
the 1st half of 9th mile of F.M.I.R. Bdy.
Over level bottom land of the Colorado River, thru dense
timber and scattering undergrowth.
2.26 (Record dist.) Intersect stake set for temp. 8 $\frac{1}{2}$ mile mon.
as hereinbefore described.
At this point,
set an iron post, 3 ft.long, 1 in. dia., 26 ins.in the
ground, for reestablished 8 $\frac{1}{2}$ mile mon. of F.M.I.R.
Bdy., with brass cap marked



from which
a willow, 20 ins. dia., bears N.86 $\frac{1}{4}$ °W., 35 lks.
dist., marked F M I R 8 $\frac{1}{2}$ M BT
a willow, 20 ins. dia., bears N.25 $\frac{1}{2}$ °E., 34 lks.
dist., marked F M I R 8 $\frac{1}{2}$ M BT

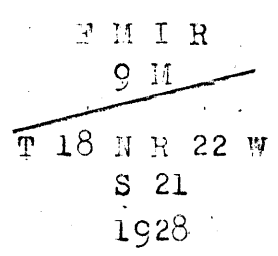
6.46 Continue line and measurement, along 2nd half of 9th mile of F.M.I.R. Bdy.
Old river road, from Ft.Mohave Indian School to Needles,
bears N. and S.

33.38 (Record dist.) Intersect stake set for temp. CLOSING cor.
of secs. 21 and 22, Frac. T.18 N., R.22 W., Ariz., as
hereinbefore described.
At this point,
set an iron post, 3 ft.long, 2 ins. dia., 28 ins. in
the ground, for reestablished closing cor. of secs.
21 and 22, Frac. T.18 N., R.22 W., Ariz., with brass cap
marked



from which
a willow, 4 ins. dia., bears S.71°E., 119 lks.
dist., marked T 18 N R 22 W S22 CC BT
a cottonwood, 12 ins. dia., bears S.24 $\frac{1}{2}$ °W., 160 lks.
dist., marked T 18 N R 22 W S21 CC BT

42.26 (Record dist.) Intersect stake set for temp. 9 mile mon.
of F.M.I.R. Bdy., as hereinbefore described.
At this point,
set an iron post, 3 ft.long, 2 ins. dia., 26 ins. in
the ground, for reestablished 9 mile mon. of the Bdy.
of Ft. Mohave Indian Reservation, with brass cap
marked



from which
a willow; 16 ins. dia., bears N.49°E., 83 lks.
dist., marked F M I R 9M BT
a willow, 16 ins. dia., bears N.57 $\frac{1}{4}$ °W., 93 lks.
dist., marked F M I R 9M BT

Land, level Soil, sandy, 1st and 2nd rate.
Timber, willow, cottonwood and mesquite.
Undergrowth, scrub willow and arrow-weed.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Resurvey, continued.

40.00 S. $76^{\circ}17'28''$ W., on true line, on 1st half of 10th mile of Bdy. of Ft. Mohave Indian Reserv.
Over level bottom land of the Colorado River, thru dense timber and undergrowth.
Intersect stake set for temp. $9\frac{1}{2}$ mile mon. as hereinbefore described.
At this point,
set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for reestablished $9\frac{1}{2}$ mile mon. of the Bdy. of the Ft. Mohave Indian Reserv., with brass cap marked

F M I R

9 $\frac{1}{2}$ M

T 18 N R 22 W

S 21

1928

from which

a willow, 20 ins. dia., bears N. $36\frac{1}{2}^{\circ}$ E., 105 lks.dist., marked F M I R 9 $\frac{1}{2}$ M BTa willow, 16 ins. dia., bears N. $19\frac{1}{2}^{\circ}$ W., 86 lks.dist., marked F M I R 9 $\frac{1}{2}$ M BT

Land, level. Soil, sandy loam, 1st rate.
Timber, cottonwood and willow.
Undergrowth, scrub willow and arrow-weed.

Survey of Part (Completion) of F.M.I.R. Bdy.

26.00 From reestablished $9\frac{1}{2}$ mile mon.,
S. $76^{\circ}17'28''$ W., on true line, on 2nd half of 10th mile of F.M.I.R. Bdy.
Over level bottom land of the Colorado River, thru dense timber and undergrowth.
40.00 Recorded point of location of meander cor. of sec. 21, Frac. T. 18 N., R. 22 W., Ariz., and SW. cor. of Camp Mohave Indian Reserv. as established by Fisher in 1905.
Continue line and measurement.
Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for 10 mile mon. of F.M.I.R. Bdy., with brass cap marked

F M I R

10M

T 18 N R 22 W

S 21

1928

from which

a cottonwood, 12 ins. dia., bears N. 25° W., 77 lks.

dist., marked F M I R 10M BT

a cottonwood, 12 ins. dia., bears N. $11\frac{1}{4}^{\circ}$ E., 47 lks.

dist., marked F M I R 10M BT

Land, level. Soil, sandy loam, 1st rate.
Timber, cottonwood and willow.
Undergrowth, scrub willow and arrow-weed.

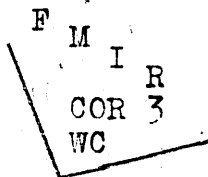
4.00 S. $76^{\circ}17'28''$ W., on true line, on part of 1st half of 11th mile of F.M.I.R. bdy.
Over level bottom land of the Colorado River, thru dense timber and undergrowth.
Set an iron post, 3 ft. long, 3 ins. dia., 28 ins. in the ground, for witness cor. to reestablished Cor. No. 3 of

Boundary of Fort Mohave Indian Reservation
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chains

Survey, continued.

the Bdy. of Ft. Mohave Indian Reserv., with brass cap marked



from which

a willow, 10 ins. dia., bears N.31°E., 91 lks. dist., marked F M I R COR 3 WC BT

a willow, 12 ins. dia., bears N.55³/₈°E., 42 lks. dist., marked F M I R COR 3 WC BT

Continue line and measurement.

4.50 East or left bank of the Colorado River, bears N.20°W., and S.20°E. Leave level land. Descend 3 ft. to

4.75 East edge of water surface of Colo. River, bears N.20°W. and S.20°E., flowing S.20°E.

Discontinue chaining.

Thence across water surface of the Colorado River, the measurement to the point for Cor.No.3 computed from triangulation hereinbefore described.*

16.25 (138.51 chs. S.76°17'28"W. from Cor.No.2) True point for reestablishment of Cor.No.3 of F.M.I.R. Bdy. falls in water of Colo. River where it cannot be monumented, therefore establish witness cor. at 12.25 chs. N.76°17'28"E. as hereinbefore described.

Land, 4.50 chs. level, 0.25 chs. river bank, 11.50 chs. water surface of Colo. River.

Soil, 4.75 chs., sandy, 1st and 4th rate.

Timber, willow. Undergrowth, scrub willow and arrow-weed.

From true point for reestablished Cor.No.3 of Bdy. of Ft. Mohave Indian Reserv., N.21°49'W., on blank line, on part of 1st half of 11th mile of F.M.I.R. Bdy.

Over water surface of the Colo. River, flowing S.20°E. Measurement by traverse along W. side of river as hereinbefore described.

23.75 True point for 10¹/₂ mile mon. falls in water of Colo. River where it cannot be set, and there is no accessible point on land within prescribed limits for the establishment of a witness cor.

61.75 Continue blank line on 2nd half of 11th mile of F.M.I.R. Bdy. measuring by traverse along W. side of river as hereinbefore described.

Over water surface of the Colo. River.

63.75 True point for 11 mile mon. of F.M.I.R. Bdy. falls in water of Colo. River where it cannot be set, and there is no accessible point on land within prescribed limits for the establishment of a witness cor.

Land, none. Water surface, 63.75 chs. Timber, none.

From true point for 11 mile mon., N.21°49'W., on blank line, on 12th mile of F.M.I.R. Bdy.

Over water surface of the Colo. River, measurement by traverse along W. side of river as hereinbefore described.

40.00 True point for 11¹/₂ mile mon. falls in water of the Colo. River where it cannot be set, therefore establish a witness cor. on Reserv. Bdy. at 10 chs. N.21°49'W. as hereinafter described.

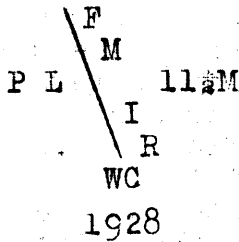
49.50 Computed from return measurement of 50 lks. S.21°49'E.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Survey, continued.

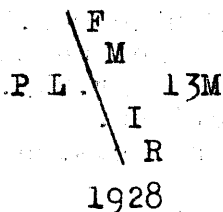
from true line intersection with the traverse line.)
Intersect west or right bank of the Colorado River,
4 ft. high, bearing NE. and SW. Leave water surface.
Continue line and measurement by chaining.
Ascend to top of bank at
50.00 Intersect the traverse line hereinbefore described, at
a point 11 lks. west of the stake set on random Reserv.
Bdy. at the terminus of said traverse line.
At this point of intersection,
set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the
ground, with marked stone deposited at base, for witness
cor. to 11 1/2 mile mon. of Bdy. of Ft. Mohave Indian
Reserv., with brass cap marked



Continue line and measurement by chaining.
Over level bottom land of the Colo. River, thru dense
undergrowth.
60.00 Enter scattering timber, bears NE. and SW.
64.00 Enter swamp land, bears NE. and SW.
73.86 South edge of a marsh known as Lake Tapio, bears NE.
and SW. Stake set at triangulation point "A" on the
random Reserv. Bdy. as hereinbefore described, bears
east 13 lks. dist.
Leave timber and enter water surface of Lake Tapio.
Measurement across lake, by triangulation and traverse
as hereinbefore described.
80.00 True point for 12 mile mon. of F.M.I.R. Bdy. falls in
the water of Lake Tapio, where it cannot be set and
there is no available point within prescribed limits
for the establishment of a witness cor.

Land, 23.86 chs. level; 0.50 chs. river bank.
Water surface, 55.64 chs.
Soil, sandy, 3rd and 4th rate. Timber, willow.
Undergrowth, arrow-weed and scrub willow.

From true point for 12 mile mon.,
N. 21° 49' W., on blank line, on the 13th mile mon.
of F.M.I.R. Bdy., measurement by triangulation and
traverse as hereinbefore described.
40.00 Over water surface of Lake Tapio.
True point for 12 1/2 mile mon. falls in the water of Lake
Tapio, where it cannot be set, and there is no available
point on land within prescribed limits for the estab-
lishment of a witness cor.
69.41 North edge of water surface of Lake Tapio. Leave lake,
Continue line and measurement by chaining.
Over level bottom land of the Colo. River, thru dense
timber and undergrowth.
69.61 Stake set at traverse point "G" on random Reserv. Bdy.
as hereinbefore described, bears East 20 lks. dist.
80.00 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the
ground, for 13 mile mon. of Bdy. of Ft. Mohave Indian
Reserv., with brass cap marked



Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

3885

chains

Survey, continued.

from which

a willow, 12 ins. dia., bears N.44 $\frac{1}{4}$ °E., 24 lks.
dist., marked F M I R 13M BT

a willow, 10 ins. dia., bears N.35 $\frac{3}{4}$ °E., 21 lks.
dist., marked F M I R 13M BT

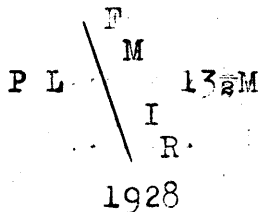
Land, level. Water surface, 69.41 chs.
Soil, sandy, 2nd rate. Timber, willow.
Undergrowth, arrow-weed.

N.21°49'W., on true line, on 14th mile of F.M.I.R. Bdy.
Over level bottom land of the Colo.River, thru dense
timber and undergrowth:

6.00 Enter tule slough, bears NE. and SW.

36.00 Leave slough, bears NE. and SW. Thence over level swampy
land.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for 13 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy., with
brass cap marked



from which

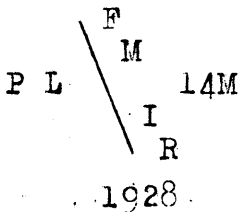
a willow, 10 ins. dia., bears N.52°E., 10 lks.
dist., marked F M I R 13 $\frac{1}{2}$ M BT

a willow, 14 ins. dia., bears S.83 $\frac{3}{4}$ °E., 36 lks.
dist., marked F M I R 13 $\frac{1}{2}$ M BT

50.00 Enter tule slough, bears NE. and SW.

55.00 Leave slough, bears NE. and SW. Thence over level swampy
land.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the
ground, for 14 mile mon. of F.M.I.R. Bdy., with brass
cap marked



from which

a willow, 6 ins. dia., bears N. 2 $\frac{1}{4}$ °E., 23 lks.
dist., marked F M I R 14M BT

a willow, 6 ins. dia., bears N.29 $\frac{1}{4}$ °E., 14 lks.
dist., marked F M I R 14M BT

Land, 45 chs. level Water surface (slough) 35 chs.
Soil, sandy, 2nd rate. Timber, willow and cottonwood.
Undergrowth, tule and arrow-weed.

N.21°49'W., on true line, on part of 1st half of 15th
mile of F.M.I.R. Bdy.

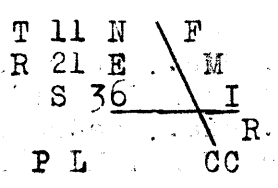
Over level bottom land of the Colo.River, thru dense
timber and undergrowth.

27.22 Intersect the south bdy. of Frac. T. 11 N., R. 21 E., San
Bernardino Base and Meridian, California (2nd Standard
Parallel North) at a point 12.20 chs. east from the
reestablished std. cor. of secs. 35 and 36 of said tp.,
which is an iron post, 2 ins. dia., projecting 11 ins.
above ground, firmly set, properly marked on brass cap.
at point of intersection,
set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in
the ground, for closing cor. of F.M.I.R. Bdy., with
brass cap marked

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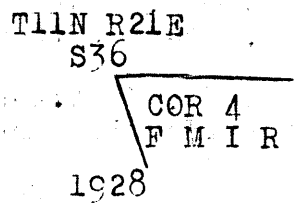
chains

Survey, continued.



1928

27.88 Continue line and measurement, in sec. 36, Frac. T. 11 N., R. 21 E., S. B. B. & M., Calif.
Intersect temp. Cor. No. 4 of F.M.I.R. Bdy., established as hereinbefore described.
At this point,
set an iron post, 3 ft. long, 3 ins. dia., 27 ins. in the ground, for Cor. No. 4 of F.M.I.R. Bdy., with brass cap marked

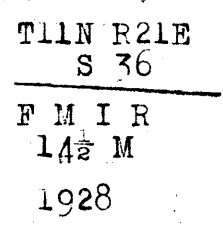


1928

from which
a willow, 16 ins. dia., bears S. 60° E., 60 lks. dist., marked F M I R COR 4 BT
a willow, 10 ins. dia., bears S. 49 1/4° E., 164 lks. dist., marked F M I R COR 4 BT

Thence
S. 88° 45' 32" E., on true line, completing the 1st half of the 15th mile of F.M.I.R. Bdy., in sec. 36, Frac. T. 11 N. R. 21 E., Calif.

12.12 Over level swampy land, thru scattering timber and undergrowth.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 1/4 mile mon. of F.M.I.R. Bdy., with brass cap marked



1928

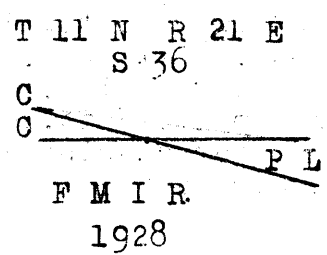
from which
a willow, 16 ins. dia., bears S. 47 3/4° E., 110 lks. dist., marked F M I R 1 1/2 M BT
a willow, 6 ins. dia., bears S. 13° W., 104 lks. dist., marked F M I R 1 1/2 M BT

Continue line and measurement, on 2nd half of 15th mile of F.M.I.R. bdy.

13.62 Center of tule slough, 2.00 chs. wide, 3 ft. deep, bearing N. and S.

28.09 Intersect the S. bdy. of Frac. T. 11 N., R. 21 E., California (2nd Std. Par. N.) at a point 2 lks. east from the reestablished std. 1/4 sec. cor. of sec. 36 of said tp., which is an iron post, 1 in. dia., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked willow bearing trees, one 10 ins. dia., N. 20° E., 8 lks. dist., and another N. 70 3/4° W., 20 lks. dist., 8 ins. dia.

At point of intersection,
set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for closing cor. of F.M.I.R. Bdy., with brass cap marked



1928

Boundary of Fort Mohave Indian Reservation
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BOOK 3085

chains

Survey, continued.

and deposit a marked stone alongside post.
Continue line and measurement, in unsurveyed portion of
Frac. T.10 N., R.22 E., Calif.

- 30.12 Enter tule slough, bears NE. and SW.
- 35.10 Leave slough, bears N. and S., thence over level land.
- 50.62 Enter slough, bears N. and S.
- 51.91 Leave slough, bears N. and S.; thence over level land.
- 52.12 Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for 15 mile mon. of F.M.I.R. Bdy., with brass cap marked

P L

F M I R
15 M
1928

and deposit a marked stone alongside post.

Land, 71.70 chs. level. Water surface (slough) 8.30 chs.
Soil, sandy, 1st and 2nd rate.
Timber, willow and cottonwood.
Undergrowth, arrow-weed and tules.

S. 88° 45' 32" E., on true line, on 1st half of 16th mile of
F.M.I.R. Bdy..

Over level bottom land of the Colo. River, thru scattering
timber and undergrowth.

- 15.97 A point 88 lks. S. of the reestablished std. cor. of
Frac. Ts. 11 N., Rs. 21 and 22 E., Calif., on 2nd Std. Par.
N., which is an iron post 3 ins. dia., projecting 10
ins. above ground, firmly set, and properly marked on
brass cap.

- 30.00 Enter dense timber, bears NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for 15 1/2 mile mon. of F.M.I.R. Bdy., with brass
cap marked

P L

F M I R
15 1/2 M
1928

from which
a willow, 16 ins. dia., bears S. 40 1/2° E., 153 lks.
dist., marked F M I R 15 1/2 M BT
a willow, 16 ins. dia., bears S. 26 1/2° W., 135 lks.
dist., marked F M I R 15 1/2 M BT

Continue line and measurement, on a blank line on 2nd
half of 16th mile of F.M.I.R. Bdy.

- 54.94 Triangulation flag point "B" at west or right edge of
water surface of the Colo. River. Discontinue chaining.
Thence over water surface of Colo. River, measurement
to east bank of river by triangulation hereinbefore
described.

- 80.00 True point for 16 mile mon. of F.M.I.R. Bdy. falls in
water of Colo. River, course South, where it cannot be
set, and there is no point on land within prescribed
limits, for establishment of a witness cor.

Land, 54.94 chs. level. Water surface, 25.06 chs.
Timber, willow and cottonwood. Soil, sandy, 1st and 2nd
rate. Undergrowth, tules and arrow-weed.

From true point for 16 mile mon.,
S. 88° 45' 32" E., on blank line, on part of 1st half of 17th
mile of F.M.I.R. Bdy.

Over water surface of Colo. River, course S.
Measurement by triangulation hereinbefore described.

- 38.50 East or left edge of water surface of Colo. River, bears
N. 14 1/4° W. and S. 14 1/4° E. Leave water surface of river and

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Survey, continued.

ascend 3 ft. to top of east bank.
Continue line and measurement by chaining.
38.77 Top of east or left bank of Colo. River, bears N.14 $\frac{1}{2}$ °W.
and S.14 $\frac{1}{2}$ °E., and triangulation point "A" of the trian-
gulation hereinbefore described in retracement of N.
line (A-1) of old Hay and Wood Reserv. Bdy., at 92.38 ch.
station thereon.

At this point,
set an iron post, 3 ft. long, 3 ins. dia., 28 ins. in the
ground, for Cor. No. 5 of F.M.I.R. Bdy., with brass cap
marked



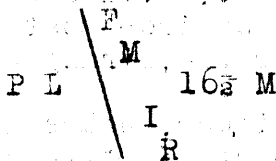
1928

from which
a willow, 10 ins. dia., bears S.64 $\frac{1}{2}$ °E., 7 lks.
dist., marked F M I R COR 5 BT
a willow, 14 ins. dia., bears South, 9 lks.
dist., marked F M I R COR 5 BT

Thence
N.14°18'W., on true line, completing the 1st half of 17th
mile of F.M.I.R. Bdy.

Over level bottom land of the Colo. River, thru scattering
timber and dense undergrowth, along top of the east or
left bank of the river.

1.23 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for 16 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy., with brass
cap marked



1928

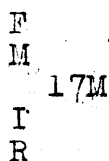
from which
a willow, 14 ins. dia., bears S.65 $\frac{1}{2}$ °E., 99 lks.
dist., marked F M I R 16 $\frac{1}{2}$ M BT
a willow, 12 ins. dia., bears N.52 $\frac{1}{2}$ °E., 60 lks.
dist., marked F M I R 16 $\frac{1}{2}$ M BT

Continue measurement, on 2nd half of 17th mile of the
F.M.I.R. Bdy.,

Over level bottom land of the Colo. River, thru scatter-
ing timber and dense undergrowth, along top of east
or left bank of the river, on various courses as
follows:

- N. 14° 18' W., 1.54 chs.
- N. 4° 15' E., 3.95 "
- N. 4° 12' W., 6.64 "
- N. 21° 10' W., 4.62 "
- N. 5° 17' E., 4.08 "
- N. 8° 00' W., 6.98 "
- N. 1° 10' W., 8.98 "
- N. 0° 8' W., 3.21 " to

41.23 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the
ground, for 17 mile mon. of F.M.I.R. Bdy., with brass
cap marked



1928

from which
a willow, 10 ins. dia., bears N.49°E., 29 lks.
dist., marked F M I R 17M BT
a willow, 10 ins. dia., bears S.52 $\frac{1}{2}$ °E., 22 lks.
dist., marked F M I R 17M BT

Boundary of Fort Mohave Indian Reservation
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BOOK 3885

chains

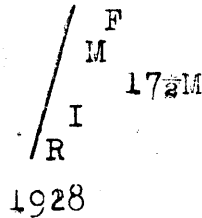
Survey, continued.

Land, level. Soil, sandy, 1st and 2nd rate.
Timber, willow and cottonwood.
Undergrowth, arrow-weed and scrub willow.

Thence on 18th mile of F.M.I.R. Bdy., over level bottom land of the Colo. River, thru scattering timber and dense undergrowth, along top of east or left bank of river, on various courses as follows:

- N. 0° 8' W., 1.24 chs.
- N. 9° 20' W., 0.62 "
- N. 1° 16' E., 5.05 "
- N. 10° 45' W., 2.46 "
- N. 20° 24' E., 7.56 "
- N. 9° 35' E., 7.08 "
- N. 9° 00' E., 5.00 "
- N. 4° 05' E., 1.99 chs. to

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 17 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy., with brass cap marked



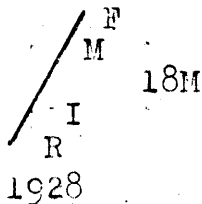
from which

- a willow, 12 ins. dia., bears S.14°E., 14 lks. dist., marked F M I R 17 $\frac{1}{2}$ M BT
- a willow, 10 ins. dia., bears S.74 $\frac{1}{2}$ °E., 34 lks. dist., marked F M I R 17 $\frac{1}{2}$ M BT

Continue measurement of 18th mile of F.M.I.R. Bdy., along top of east bank of the Colo. River, on various courses as follows:

- N. 4° 5' E., 1.31 chs.
- N. 4° 40' E., 2.93 "
- N. 12° 17' E., 2.90 "
- N. 0° 41' E., 11.99 "
- N. 23° 11' E., 1.94 "
- N. 0° 13' E., 5.72 "
- N. 36° 29' E., 7.58 "
- N. 48° 44' E., 4.45 "
- N. 44° 3' E., 1.18 chs. to

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for 18 mile mon. of F.M.I.R. Bdy., with brass cap marked



from which

- a cottonwood, 20 ins. dia., bears S.80 $\frac{1}{2}$ °E., 68 lks. dist., marked F M I R 18M BT
- a cottonwood, 14 ins. dia., bears S.28°E., 46 lks. dist., marked F M I R 18M BT

Land, level. Soil, sandy, 2nd rate.
Timber, cottonwood and willow.
Undergrowth, arrow-weed and scrub willow.

Thence on 19th mile of F.M.I.R. Bdy., over level bottom land of the Colo. River, thru scattering timber and dense undergrowth, along top of east or left bank of the river, on various courses as follows:

Boundary of Fort Mohave Indian Reservation:
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chains

Survey, continued.

N. 44° 3' E., 1.32 chs.
 N. 61° 45' E., 3.00 "
 N. 58° 2' E., 2.47 "
 N. 89° 38' E., 2.01 "
 N. 59° 16' E., 1.73 "
 N. 26° 20' E., 4.69 "
 N. 11° 19' E., 2.50 "
 N. 2° 16' E., 4.44 "
 N. 14° 00' W., 4.50 "
 N. 0° 55' W., 4.48 "
 N. 12° 40' W., 2.69 "
 N. 7° 30' W., 3.32 "
 N. 18° 36' W., 2.85 chs. to

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 18 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy., with brass cap marked

F
M
I
R
18 $\frac{1}{2}$ M
1928

from which

a willow, 18 ins. dia., bears N.80°E., 8 lks.
 dist., marked F M I R 18 $\frac{1}{2}$ M BT

a cottonwood, 12 ins. dia., bears S.44 $\frac{1}{2}$ °E., 65 lks.
 dist., marked F M I R 18 $\frac{1}{2}$ M BT

Continue measurement of 19th mile of F.M.I.R. Bdy., along top of east bank of COLO. River, on various courses as follows:

N. 18° 36' W., 5.32 chs.
 N. 23° 56' W., 4.11 "
 N. 19° 50' W., 4.52 "
 N. 12° 32' W., 12.40 "
 N. 4° 4' W., 6.45 "
 N. 7° 15' W., 7.20 chs. to

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for 19 mile mon. of F.M.I.R. Bdy., with brass cap marked

F
M
I
R
19M
1928

from which

a willow, 10 ins. dia., bears S.81°E., 26 lks.
 dist., marked F M I R 19M BT

a willow, 10 ins. dia., bears S.45°E., 32 lks.
 dist., marked F M I R 19M BT

Land, level. Soil, sandy, 1st and 2nd rate.

Timber, willow and cottonwood.

Undergrowth, arrow-weed and scrub willow.

Thence on part of 20th mile of F.M.I.R. Bdy., over level bottom land of the Colo. River, thru scattering timber and dense undergrowth, along top of east or left bank of river, on various courses as follows:

N. 7° 15' W., 6.60 chs.
 N. 10° 26' W., 4.54 "
 N. 1° 10' E., 3.28 "
 N. 14° 27' E., 4.05 "
 N. 22° 53' E., 2.65 "
 N. 21° 15' E., 8.89 "
 N. 43° 58' E., 5.12 "

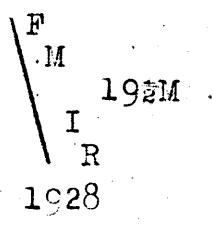
Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

BOOK 3885

chains

Survey, continued.

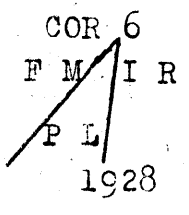
40.00 N. 35° 22' E., 1.29 chs.
 N. 7° 13' W., 9.58 chs. to
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 19 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy., with brass cap marked



from which
 a willow, 10 ins. dia., bears N. 34 $\frac{1}{2}$ ° E., 36 lks. dist., marked F M I R 19 $\frac{1}{2}$ M BT
 a willow, 6 ins. dia., bears S. 36 $\frac{1}{4}$ ° E., 30 lks. dist., marked F M I R 19 $\frac{1}{2}$ M BT

Continue measurement of part of 20th mile of F.M.I.R. Bdy., along top of east bank of Colo. River, on various courses as follows:

45.62 N. 7° 13' W., 3.80 chs.
 N. 2° 24' E., 1.82 chs. to
 Intersect stake set for temp. Cor. No. 6 of F.M.I.R. Bdy: as hereinbefore described, on SE. line of old Camp Mojave Military Reserv., 142.10 chs. S. 33° 8' 28" W. from Cor. No. 1 of F.M.I.R. Bdy.



At this point, set an iron post, 3 ft. long, 3 ins. dia., 28 ins. in the ground, for Cor. No. 6 of F.M.I.R. Bdy., with brass cap marked

from which
 a willow, 6 ins. dia., bears N. 28 $\frac{1}{2}$ ° E., 37 lks. dist., marked F M I R COR 6 BT
 a willow, 10 ins. dia., bears N. 70° E., 12 lks. dist., marked F M I R COR 6 BT

Land, level. Soil, sandy, 2nd rate.
 Timber, willow and cottonwood.
 Undergrowth, arrow-weed and scrub willow.

8.47 From Cor. No. 6 of F.M.I.R. Bdy., S. 33° 8' 28" W., on blank line, on part of the 20th mile of F.M.I.R. Bdy.

Descend from top of east bank of Colo. River to intersect stake set at triangulation point "A" on east or left edge of water surface of the Colo. River, bearing N. 20° W. and S. 20° E.
 Discontinue chaining.

34.38 Thence across water surface of Colo. River, flowing South, measurement by triangulation as hereinbefore described. True point for 20 mile mon. of F.M.I.R. Bdy. falls in the water of the Colo. River, where it cannot be set, and there is no available point on land within prescribed limits for the establishment of a witness cor.

Land, 8.47 chs. river bank. Water surface, 25.91 chs. Timber, none. Undergrowth, 8 chs. arrow-weed and scrub willow.

From true point for 20 mile mon. of F.M.I.R. Bdy., S. 33° 8' 28" W., on blank line, on part of the 21st mile

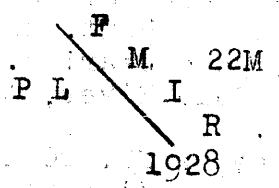
Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

BOOK 3885

chains
80.00

Survey, continued.

Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for 22 mile mon. of F.M.I.R. Bdy., with brass cap marked



from which
 a cottonwood, 12 ins. dia., bears N. 9°E., 65 lks. dist., marked F M I R 22M BT
 a cottonwood, 20 ins. dia., bears S. 85½°E., 140 lks. dist., marked F M I R 22M BT

Land, 62.90 chs. level. Water surface, 17.10 chs. Timber, willow and cottonwood. Soil, sandy, 2nd rate. Undergrowth, arrow-weed and scrub willow.

Retracement of Part of the Oblique Boundary Line between the States of California and Nevada, as surveyed by the United States Coast and Geodetic Survey 1893-1899.

The following notes describe a retracement of the Calif.-Nevada State Bdy. (U.S. C. & G.S. line) between Mons. Nos. 141 and 142, and southeasterly 50 chs. from Mon. No. 142, for the purpose of determining points of intersection of the F.M.I.R. Bdy. with said State Bdy. to establish closing cors.

No retracement or resurvey of this portion of the State Bdy. is of record.

The diagram accompanying the instructions for survey of Group No. 149, Ariz., shows Mon. No. 141 as located about 52 chs. northwesterly from NW. line (3-4) of old Camp Mojave Military Reserv. Bdy., and Mon. No. 142 as located within said Mil. Reserv. at about 32 chs. northwesterly from point of intersection of SW. line (2-3) of said Mil. Reserv. Bdy. with said State Bdy.

The U.S. C. & G.S. State Bdy. Mon. No. 141 is a pine post, 4 ins. square, projecting 6 ft. above ground, firmly set in ground and mound of stone, 6 ft. base, 4½ ft. high, marked C G S on N. face, and NW LINE on S. face. Find no other marks on the post.

Thence, S. 45° 35' E. (approx. record course), on random line, on Calif.-Nev. State Bdy., toward Mon. No. 142, setting stakes at intervals of 10.00 chs. for reference points to be used in securing F.M.I.R. Bdy. intersection. Over rolling land, thru scattering undergrowth.

112.44 Fall 13 lks. N. 44° 25' E. from Mon. No. 142, which is a pine post, 4 ins. square, projecting 7 ft. above ground, firmly set in ground and mound of stone, 9 ft. base, 6 ft. high, marked SE LINE POST on NW. face, and C G S on SE. face. Find no other marks on post.

True course and dist. of Calif.-Nev. State Bdy. between Mons. Nos. 141 and 142 are therefore, S. 45° 31' E., 112.44 chs.

Land, gently rolling. Soil, sandy, 2nd rate. Timber, willow and cottonwood. Undergrowth, arrow-weed and scrub willow.

From Mon. No. 142, S. 45° 31' E., on true line, on Calif.-Nev. State Bdy. line toward theoretical point in center of Colo. River where said line intersects the West Bdy. of Arizona.

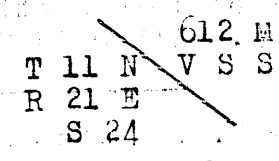
Oblique Boundary Line between California and Nevada
as surveyed by U.S. Coast & Geodetic Survey.

chains	Retracement, continued.
	Set stakes at 10.00 ch. intervals. Over level land, thru scattering timber and undergrowth.
3.50	Top of old west bank of Colo.River, bears N.15°E. and S.15°W. Descend 25 ft. to
4.50	Foot of bank, same bearing. Thence over level bottom land of the Colo.River, thru scattering timber and undergrowth.
5.42	Indian house bears SW. 20 lks. dist.
50.00	Set line stake and discontinue retracement of State Bdy. Land, level 49.00 chs.; river bank, 1.00 ch. Soil, sandy, 2nd rate. Timber, willow and cottonwood. Undergrowth, arrow-weed and scrub willow.

Survey of a TIE between U.S. C. & G.S. Mon.No.142 and the reestablished 612 mile mon. on the Old Calif.-Nev.State Bdy.

The following notes describe a survey by means of a two course traverse line, of a Tie between Mon.No.142 on Calif.-Nev. State Bdy. as surveyed by U.S. C. & G.S., and the reestablished 612 mile mon. on the old State Bdy. as surveyed by Mon Schmidt in 1873 and resurveyed in 1921 under Group No.50, Calif.

39.06	From Mon.No.142 hereinbefore described. S.15°00'W., on traverse line Set stake for temp. traverse point. Thence
34.37	S.17°20'E., on traverse line Intersect the 612 mile mon. on the old State Bdy., reestablished in 1921 under Group No.50 Calif., which is an iron post, 3 ins. dia., projecting 16 ins. above ground, firmly set in ground and mound of stone, with brass cap marked.



No bearing trees or other accessories.
From this mile mon. the original Von Schmidt 612 mile mon. at top of old west bank of the Colo.River, bears N.6° 6'W., 11.79 chs. dist. The original mile mon. is a tapering cast iron shaft, 12 ins. square at base, 6-ft. high, 6 ins. square at top, with a pyramidal cap, marked NEVADA on NE. face, "1873 West Greenwich A.W. Von Schmidt U.S. Astron. and Surveyor" on SE. face, CALIFORNIA on SW. face and OREGON 612 Miles 0 Chains on NW. face.

Note: according to a letter quoted in the U.S. C. & G.S. Appendix No.3-Report for 1900, on the Calif.-Nev. State Bdy., page 279, the original VonSchmidt 612 mile mon. was washed into the Colo.River during a flood, was recovered by a local resident and by him was reset at the point it now occupies.

The direct tie from U.S. C. & G.S. Mon.No.142 to reestablished 612 mile mon., computed from the traverse is S.0° 6'E., 70.54 chs.

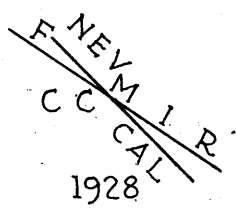
The mean bearing of the old State Bdy. as shown on the plat of Frac.T.11 N., R.21 E., Calif., is S.45°31'E., which is the same bearing obtained for the U.S.C.&G.S. line. The computed right-angle dist. bet. the two State Bdrs. is 50.21 chs.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

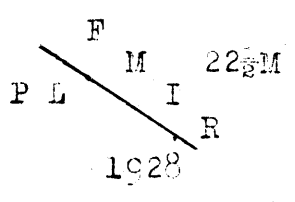
Survey, continued.

From 22 mile mon., hereinbefore described,
 N.56°51'52"W., on true line, on 23rd mile of F.M.I.R. Bdy.
 Over level bottom land of the Colo. River, thru scattering
 timber and undergrowth. In the State of Nevada.
 2.19 Intersect the U.S. C. & G.S. Calif.-Nev. State Bdy. Line
 at 1.94 chs. N.45°31'W. from tempo. line stake set 50.00
 chs. S.45°31'E. from Mon. No. 142 of said State Bdy.
 The point of intersection is therefore 48.06 chs.
 S.45°31'E. from Mon. No. 142.
 At point of intersection,
 set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in
 the ground, for closing cor. of F.M.I.R. Bdy., with
 brass cap marked



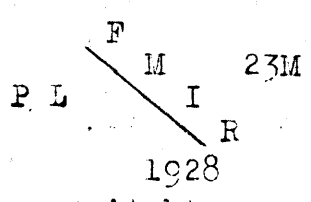
from which
 a willow, 20 ins. dia., bears S.53½°E., 100 lks.
 dist., marked NEV STATE LINE CC BT
 a willow 22 ins. dia., bears S.41½°W., 110 lks.
 dist., marked CAL STATE LINE CC BT

40.00 Leave the State of Nevada and enter the State of Calif.
 Continue line and measurement
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
 ground, for 22½ mile mon. of F.M.I.R. Bdy. with brass
 cap marked



from which
 a willow, 22 ins. dia., bears S.82°E., 222 lks.
 dist., marked F M I R 22½M BT
 a willow, 22 ins. dia., bears S.77°E., 184 lks.
 dist., marked F M I R 22½M BT

Contine over level bottom land of the Colo. River, thru
 scattering timber and undergrowth.
 42.00 Foot of old west bank of Colo. River, bears N.15°E. and
 S.15°W. Leave bottom land. Ascend 25 ft. to
 43.00 Top of same bank, same bearing. Thence over gently
 rolling land, thru scattering timber and undergrowth.
 45.30 Center of wash, 100 lks. wide, course E.
 48.70 Dim road, bears NE. and SW.
 65.10 Road to Needles, bears NE. and SW.
 74.30 Wash, 50 lks. wide, course NE. Ascend gradually.
 77.40 Spur, slopes NE. Descend gradually over NW. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the
 ground, for 23 mile mon. of F.M.I.R. Bdy., with brass
 cap marked



No bearing trees available.
 raise a mound of stone, 2½ ft. base, 12 ft. high, NE. of mon.

Land, level and rolling. Soil, sandy, 2nd rate.
 Timber, willow and cottonwood.
 Undergrowth, arrow-weed and scrub willow.

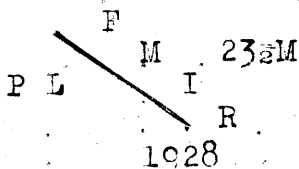
9.00 N.56°51'52"W., on true line, on 1st half of 24th mile of
 F.M.I.R. Bdy.
 Over gently rolling land, thru scattering timber and
 undergrowth. Descend gradually over NW. slope.
 Ascend gradually over E. slope.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Survey, continued.

- 25.90 Spur, slopes NE. Descend gradually over NW. slope.
- 30.50 Wash, 40 lks.wide, course NE. Ascend.
- 34.70 Spur, slopes NE. Descend over NW. slope to
- 40.00 Set an iron post, 3 ft.long, 1 in. dia., 26 ins.in the ground, for 23½ mile mon. of F.M.I.R. Bdy., with brass cap marked



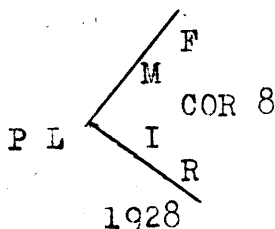
No bearing trees available.
raise a mound of stone, 2½ ft. base, 1½ ft. high, NE. of mon.

Thence
N. 56° 51' 52" W., on true line, on part of 2nd half of 24th mile of F.M.I.R. Bdy.

Over rolling land, thru scattering timber and undergrowth. Descend over NW. slope.

- 7.10 Wash, 20 lks.wide, course N. 80° E. thence over E. slope.
- 16.08 Intersect stake set for temp. Cor. No. 8 of F.M.I.R. Bdy. as hereinbefore described.

At this point,
set an iron post, 3 ft. long, 3 ins. dia., 28 ins. in the ground, for Cor. No. 8 of F.M.I.R. Bdy., with brass cap marked

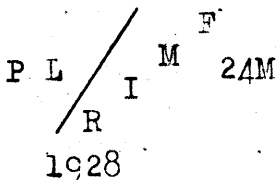


No bearing trees available.
raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Thence,
N. 33° 8' 28" E., on true line, on part of 2nd half of 24th mile of F.M.I.R. Bdy.

Over rolling land, thru scattering timber and undergrowth.

- 0.32 Draw, course E. Continue over gently rolling E. slope.
- 10.90 Wash, 100 lks.wide, course E.
- 14.90 Road to Needles, bears N. 70° W. and S. 70° E.
- 23.92 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for 24 mile mon. of F.M.I.R. Bdy., with brass cap marked



No bearing trees available.
raise a mound of stone, 2 ft. base, 1½ ft. high, SE. of mon.

Land, gently rolling. Soil, sandy and gravelly, 2nd and 3rd rate. Timber, willow and cottonwood.
Undergrowth, arrow-weed and scrub willow.

N. 33° 8' 28" E., on true line, on 25th mile of F.M.I.R. Bdy. Over gently rolling land, thru scattering timber and undergrowth, along E. slope. In the State of California.

- 2.99 Intersect the U.S. Coast and Geodetic Survey oblique Bdy. line between the States of California and Nevada, at a point 23.90 chs. S. 45° 31' E. from Mon. No. 141 thereon hereinbefore described.
At point of intersection,
set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for closing cor. of F.M.I.R. Bdy., with

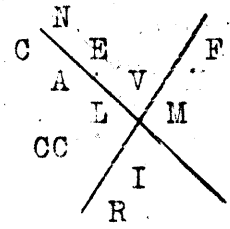
Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

BOOK 3885

chains

Survey, continued.

brass cap marked



1928

No bearing trees available.

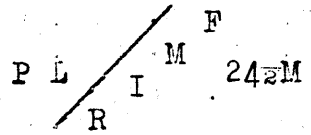
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, NW. of cor.
Leave California and enter Nevada.
Continue line and measurement.

3.02 Intersect the random State Bdy. at a point 3.90 chs.
S. 45° 35' E. from temp. line stake set at 20.00 chs.
on same bearing from Mon. No. 141. The point of inter-
section with the true State Bdy. line is computed from
this random line intersection.

15.00 Wash, 100 lks. wide, course E.

31.50 Wash, 100 lks. wide, course E.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for 24 1/2 mile mon. of F.M.I.R. Bdy., with brass
cap marked



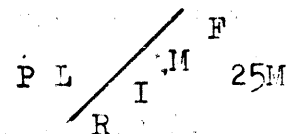
1928

No bearing trees available.

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, SE. of mon.
Continue over rolling E. slope.

40.60 Wash, 20 lks. wide, course E.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the
ground, for 25 mile mon. of F.M.I.R. Bdy., with brass
cap marked



1928

No bearing trees available.

raise a mound of stone, 2 1/2 ft. base, 2 ft. high, SE. of mon.
Land, gently rolling. Soil, sandy and gravelly, 2nd
and 3rd rate. Timber, willow and cottonwood.
Undergrowth, arrow-weed and scrub willow.

N. 33° 8' 28" E., on true line, on 26th mile of F.M.I.R. Bdy.
Over gently rolling land, sloping E., thru scattering
timber and undergrowth. in the State of Nevada.

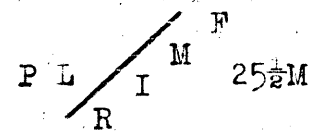
12.50 Road, to Snyder ranch, bears E. and W.

15.00 Dim road, bears NE. and SW.

21.00 Wash, 70 lks. wide, course E.

36.00 Wash, 40 lks. wide, course E.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for 25 1/2 mile mon. of F.M.I.R. Bdy., with brass
cap marked



1928

No bearing trees available.

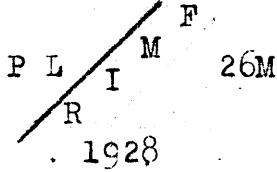
raise a mound of stone, 2 1/2 ft. base, 2 ft. high, SE. of mon.
This mon. is on top of low spur, sloping E.
Descend gradually over N. slope.

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Survey, continued.

- 48.00 Wash, 100 lks.wide, course N.70°E.
Continue over gently rolling E. slope.
- 67.00 Wash, 20 lks. wide, course E.
- 80.00 Set an iron post, 3 ft.long, 2 ins. dia., 26 ins.in the ground,with a marked stone deposited at base, for 26 mile mon. of F.M.I.R. Bdy.,with brass cap marked,



No bearing trees available.

Land, gently rolling. Soil, sandy and gravelly, 2nd and 3rd rate. Timber, willow and cottonwood. Undergrowth, greasewood and sagebrush.

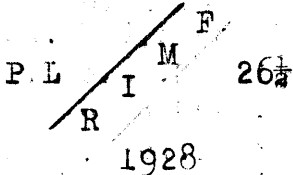
- 14.50
- 19.50
- 27.00
- 40.00

N.33° 8'28"E., on true line, on 1st half of 27th mile of F.M.I.R. Bdy.

Over gently rolling land, thru scattering timber and undergrowth. In the State of Nevada.

- Wash, 100 lks.wide, 15 ft.deep, course E.
- Wash, 40 lks. wide, 15 ft.deep, course E.
- Wash, 100 lks.wide, 20 ft.deep, course E.

Set an iron post, 3 ft.long, 1 in. dia., 26 ins.in the ground,with a marked stone deposited at base, for 26 1/2 mile mon. of F.M.I.R. Bdy.,with brass cap marked



No bearing trees available.

This mon. is set at top of old west bank of Colo.River, 20 ft. high, bearing NE. and S.

Thence

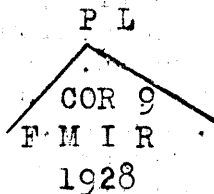
N.33° 8'28"E., on true line, on part of 2nd half of 27th mile of F.M.I.R. Bdy.

Over gently rolling land, thru scattering timber and undergrowth, near top of old river bank.

- 16.08 Intersect stake set for temp. Cor.No.9 of F.M.I.R. Bdy., as hereinbefore described.

At this point,

set an iron post, 3 ft.long, 3 ins. dia., 26 ins.in the ground, with a marked stone deposited at base, for Cor. No.9 of F.M.I.R. Bdy.,with brass cap marked



No bearing trees available.

Thence

S.56°51'52"E., on true line, on part of 2nd half of 27th mile of F.M.I.R. Bdy.

Over gently rolling land, thru scattering timber and undergrowth.

- 2.42 Top of old west bank of Colo.River, bears N.15°E. and S.15°W. Descend 40 ft. to
- 4.12 Foot of same bank, bears NE. and S. Thence over level bottom land of the Colo.River, thru scattering timber and undergrowth.

Boundary of Fort Mohave Indian Reservation BOOK 3885
(Formerly Camp Mohave Indian Reservation)

chains	Survey, continued.
23.92	<p>Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, with a marked stone deposited at base, for 27 mile mon. of F.M.I.R. Bdy., with brass cap marked</p> <div data-bbox="617 456 893 658" style="text-align: center;"> <p>27M M I P L R 1928</p> </div> <p>No bearing trees available.</p> <p>Land, gently rolling and level. Soil, sandy, 2nd rate. Timber, willow and cottonwood. Undergrowth, greasewood, cacti, arrow-weed and scrub willow.</p>
36.80	<p>S. 56° 51' 52" E., on true line, on 28th mile of F.M.I.R. Bdy. Over level bottom land of the Colo. River, thru scattering timber and undergrowth.</p>
40.00	<p>Road, bears N. and S.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 27½ mile mon. of F.M.I.R. Bdy., with brass cap marked</p> <div data-bbox="641 1075 950 1276" style="text-align: center;"> <p>27½M M I P L R 1928</p> </div> <p>from which</p> <ul style="list-style-type: none"> a willow, 12 ins. dia., bears S. 10° W., 222 lks. dist., marked F M I R 27½M BT a willow, 4 ins. dia., bears S. 52° W., 170 lks. dist., marked F M I R 27½M BT
51.00	<p>Dim road, bears N. and S.</p>
74.75	<p>Set and iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for witness cor. to 28 mile mon. of F.M.I.R. Bdy., with brass cap marked</p> <div data-bbox="641 1585 982 1814" style="text-align: center;"> <p>28M M I P L R WC 1928</p> </div> <p>from which</p> <ul style="list-style-type: none"> a willow, 12 ins. dia., bears S. 10¼° W., 21 lks. dist., marked F M I R 28M WC BT a willow, 12 ins. dia., bears S. 26½° W., 20 lks. dist., marked F M I R 28M WC BT
75.70	<p>Top of bank, bears N. and S. Descend 2 ft. to</p>
75.72	<p>Foot of same bank. Thence over sand bar.</p>
80.00	<p>Point for 28 mile mon. of F.M.I.R. Bdy. falls on sand bar, where it is impracticable to set said mon., therefore establish witness cor. at 5.25 chs. N. 56° 51' 52" W. as hereinbefore described.</p> <p>Land, level. Soil, sandy, 2nd and 3rd rate. Timber, willow and mesquite. Undergrowth, arrow-weed and scrub willow.</p>
13.75	<p>S. 56° 51' 52" E., on blank line, on the fractional 29th mile of F.M.I.R. Bdy. Over level sand bar on west side of Colo. River. Triangulation flag point "B" at west or right edge of water surface of the Colo. River, bearing NE. and SW. Leave sand bar. Thence across water surface of Colo. River, flowing SW. Measurement of 58.93 chs. by triangulation as hereinbefore described.</p>

Boundary of Fort Mohave Indian Reservation
(Formerly Camp Mohave Indian Reservation)

chains

Survey, continued.

40.00

True point for 28 $\frac{1}{2}$ mile mon. of F.M.I.R. Bdy. falls in the water of the Colo. River, where it cannot be set, and no point on land within prescribed limits is available for the establishment of a witness cor.

Continue line and measurement across water surface of Colo. River.

72.68

Intersect the reestablished Initial Monument of the Bdy. of Fort Mohave Indian Reservation, on the east or left bank of the Colo. River, hereinbefore described.

Land, 13.75 chs. sand bar. Water surface, 58.93 chs.
Timber, none. Undergrowth, none.

GENERAL DESCRIPTION.

Fort Mohave Indian Reservation as embraced within the boundary surveyed as described in the foregoing notes has an area of approximately 14,000 acres, about 7,600 acres of which are in Arizona, about 2,200 acres in California, and about 4,200 acres in Nevada.

About 4,000 acres is the total area of the water surface of the Colorado River, Lake Tapio and marshes, within the Reservation. About 2,200 acres of the Reserv. is situated on the benches above the river bottom land, and the surface of this portion of the Reserv. is mainly of a gently rolling character. The river bottom land along the Colo. River totals about 7,800 acres within the Reserv., where the surface is level and subject to overflow.

The soil on the benches above the river bottom is sandy and gravelly, 2nd and 3rd rate. In the river bottom land the soil is sand and silt, 1st and 2nd rate.

The timber consists of a dense growth of willow and cottonwood over the bottom land and a scattering growth of mesquite, willow and cottonwood over most of the bench land.

The undergrowth consists of a dense growth of arrowweed and scrub willow in the bottom land, with tuies in the vicinity of the marshes, and a scattering growth of cacti, greasewood and sagebrush on the bench land.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Sidney E. Blout, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 149, Arizona bearing date of the 7th day of January, 1928, 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, retraced all those parts or portions of the Boundary of Fort Mohave Indian Reservation and the U.S. Coast and Geodetic Survey Oblique Boundary Line of California and Nevada.

resurveyed all those parts or portions of the Boundary of Fort Mohave Indian Reservation and the Subdivision Lines and North Boundary of Frac. T. 18 N., R. 22 W., G. & S. R. B. & M. Arizona,

and surveyed all those parts or portions of the Boundary of Fort Mohave Indian Reservation, and a Tie between the Former and the Present California-Nevada State Boundaries Meridian, in the State of

and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said retracement, resurvey and 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 Group 149, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey and survey.

By [Signature] District Cadastral Engineer Phoenix, Arizona, November 1, 1930.

Sidney E. Blout U.S. Cadastral Engineer (Deceased)

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., November 15, 1930.

The foregoing field notes of the retracement of Part of the Boundary of the Ft. Mohave Indian Reservation, and Part of the U.S. Coast & Geodetic Survey Oblique Boundary Line of California and Nevada. of the resurvey of Part of the Boundary of the Ft. Mohave Indian Reservation, and Part of the Subdivision Lines and North Bdy. of Frac. T. 18 N., R. 22 W. of the G. & S. R. B. & M., Arizona. and of the survey of Part of the Boundary of the Ft. Mohave Indian Reservation and a Tie between the Former and the Present Calif.-Nev. State Boundaries.

executed by Sidney E. Blout, U.S. Cadastral Engineer

under his special instructions dated January 7, 1928 for Group 149, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements, resurveys and 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.