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BOOK 2863

DEPARTMENT OF THE INTERIOR  
UNITED STATES RECLAMATION SERVICE

Salt River Project

FIELD NOTES

of

Subdivision of Section 31

and

Survey of Farm Units in  $SE\frac{1}{4}$  of said Section

in

Tp. 1 N., R. 3 E., G. & S. R. B. & M., Maricopa County,  
Arizona.

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Executed by O. J. SCHIEBER, Jr. Engineer,  
U. S. Reclamation Service.

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Survey commenced September 9, 1915

Survey completed September 11, 1915  
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MAY-176 48711

HISTORY OF CORNERS USED IN RESURVEY OF SEC.31, T.1 N.,  
R.3 E., TO BE INCLUDED IN LETTER OF TRANSMITTAL.

In 1880, H.R.Patrick surveyed the W. Line of Sec.31. At this time the original corner was still in place at the S.W. corner. Mr. Patrick found old mound and pits marking the N.W. corner and set stone in old mound. The  $W\frac{1}{2}$  corner was missing; therefore, Mr. Patrick re-established this corner on line between and equidistant from the S.W. and N.W. corners, marking the corner with a rounded rock 11" x 71" x 51".

In 1884, Surveyor H.R.Patrick found the old mound and pits marking the N.E. corner, Sec.31. He set stone in mound to mark this corner. The  $N\frac{1}{2}$  could not be found. Mr. Patrick re-established this corner on line between and the proportionate distances from the N.E. and N.W. corners of the section and set rounded blue rock 19" x 8" x 4" for corner.

In 1891, Surveyor W.A.Hancock found old mound and pits marking S.E. corner, Sec.31 and set stone 18" x 8" x 31". He also found old pits indicating the original location of the  $S\frac{1}{2}$  corner, Sec.31 and set stone for corner. In 1912, Daniel Marsh Junior Engineer, U.S.R.S., replaced this corner with three-quarter inch reinforcing bar set in concrete block.

In 1901, W.H.Robinson surveyed the E. Line of Sec.31. The  $E\frac{1}{2}$  corner could not be found. Using N.E. and N.W. corners described above, he re-established the  $E\frac{1}{2}$  corner on line between and equidistant from said corners, and set a flat rounded blue rock 12" x 8" x 4" for corner.

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( Sgd. ) Wm. S. Cone

Chains Survey commenced Sept. 9, 1915, and executed with a C. L. Berger & Son Transit, U. S. R. S., No. 2904, the horizontal limb having two double verniers opposite each other and reading to 30" of arc.

The instrument was examined and found to be in good adjustment.

All section and ( $\frac{1}{4}$ ) quarter section corners used in this survey were found in place. These are in no case the original corners, they having been obliterated years ago. The corners now in place were set from 15 years to 30 years ago, when Sec. 31 was still desert and reliable evidence of the location of the original corners was still in existence. The location of these corners and the common property lines determined by them have been undisputed and unquestioned for a period of over 10 years.

At the established SE corner of Sec. 31, Lat.  $33^{\circ} 23' N.$ , Long.  $112^{\circ} 02' W.$ , which is a flat rounded blue rock 18 inches X 8 inches X 3 inches, set 4 inches below surface, at 8 hours 26 minutes P. M. L. M. T., I observe Polaris at its eastern elongation in accordance with the instructions in the Manual of Surveying Instructions. I lay off the azimuth of Polaris  $1^{\circ} 22' 15''$  to the west, I then sight to the E  $\frac{1}{4}$  cor. Sec. 31 and determine the course of the east line of the SE  $\frac{1}{4}$  of Sec. 31 to be N.  $0^{\circ} 08' W.$

Date of observation Sept. 15, 1915.

Sept. 9: Using the East line of the SE  $\frac{1}{4}$  of Sec. 31 as a base I determine with a transit the various angles of this survey.

From SE cor. Sec. 31, a blue rounded rock 18 inches x 8 inches x 3 inches, set 4 inches below surface, I sight to the E  $\frac{1}{4}$  corner Sec. 31, which is visible, and run N.  $0^{\circ} 08' W.$  on true line

16.12 Intersect South toe of south bank of farm ditch; set 2 inch x 2 inch hub 24 inches long, 16 inches in ground, marked  $\frac{16}{7}$  for meander corner common to Lots 5 and 8.

20.00 Set temporary stake for 16/7 corner.

39.93 E  $\frac{1}{4}$  cor. Sec. 31, a flat rounded blue rock 12 inches x 8 inches x 4 inches, set 12 inches below surface, which is NE cor. of Lot 5. Retracing S.  $0^{\circ} 08' E.$  on true line and at

19.97 Set steel reinforcing bar 18 inches long, 1 inch square, flush with surface for  $\frac{16}{7}$  cor. Sec. 31.

From SE cor. Sec. 31, heretofore described, I sight to the S  $\frac{1}{4}$  cor. Sec. 31, which is visible, and run N.  $89^{\circ} 58' W.$  on true line.

20.00 Set temporary stake for 16/6 corner.

39.98 S  $\frac{1}{4}$  cor. Sec. 31, a  $\frac{3}{4}$  inch reinforcing bar set in concrete block 6 inches below surface, which is SW. corner Lot 7. Retracing S  $89^{\circ} 58' E.$  on true line and at

19.99 Set granite rock 12 inches x 6 inches x 5 inches, 3 inches below surface for 16/6 cor., Sec. 31, which is corner common to Lots 7 and 8.

Found N  $\frac{1}{4}$  cor. Sec. 31, a rounded blue rock 19 inches x 8 inches x 4 inches, set 4 inches below surface. Set flag over this corner.

Found W  $\frac{1}{4}$  cor. Sec. 31, a rounded rock 11 inches x 7 inches x 5 inches set flush with surface. Set flag over this corner.

## Chains

Flags set on the four quarter section corners being visible from the center of section 31, I establish the center of section by obtaining the intersection of straight lines between the opposite 1/4 section corners, by double centering with transit on each such line and mark the point with a 2 inch x 2 inch hub, 24 inches long set 16 inches in ground, marked 16/13 cor. Sec. 31, U. S. R. S., which is NW cor. of Lot 6.

From 16/13 cor. Sec. 31, heretofore described, I sight to the S 1/4 cor. which is visible and run on true line S. 0° 03' W.

20.00 Set temporary stake for 16/16 cor.

22.09 Intersect south toe of south bank of farm ditch; set 2 inch x 2 inch hub 24 inches long, 16 inches in ground, marked MC for meander corner common to Lots 6 and 7. USRS

40.06 S 1/4 cor. Sec. 31, heretofore described. Retracing N. 0° 03' E. on true line

20.03 Set 2 inch x 2 inch hub 24 inches long, 16 inches in ground, temp. 16/16 cor. U. S. R. S.

From 16/13 cor. heretofore described, I sight to the E 1/4 cor. which is visible, and run S. 89° 47' E. on true line

20.00 Set temporary stake for 16/14 cor.

39.86 E 1/4 cor. Sec. 31, heretofore described. Retracing N. 89° 47' W. and at

19.93 Set 2 inch x 2 inch hub 24 inches long, 16 inches in ground, marked 16/14 cor. U. S. R. S., which is corner common to Lots 5 and 6.

Flags set on the opposite 1/16 corners of the SE<sub>4</sub> of Sec. 31 being visible from the center thereof, I subdivide the said SE<sub>4</sub> by locating the point of intersection of the two straight lines between the opposite 1/16 corners, double centering on each such line and set a 2 inch x 2 inch hub 24 inches long, 16 inches in ground, temp. 16/15 cor. Sec. 31, U. S. R. S., from which point the 16/7 cor. bears S. 89° 52' 30" E., 19.96 chains dist., the 16/14 cor. bears N. 0° 02' 30" W., 20.00 chains dist., the 16/16 cor. bears N. 89° 52' 30" W., 19.96 chains dist., and the 16/6 cor. bears S. 0° 02' 30" E., 20 chains dist.

From the meander corner on East line of Sec. 31, which is corner common to Lots 5 and 8, heretofore described, from which point the SE cor. Sec. 31 bears S. 0° 08' E., 16.12 chains dist., and the E 1/4 cor. bears N. 0° 08' W. 23.81 chains dist., I sight to meander corner on N. & S. center line Sec. 31 which is corner common to Lots 6 and 7, heretofore described, and run N. 87° 19' W. on true line between Lots 5 and 8, and Lots 6 and 7. Said line follows south toe of south bank of farm ditch.

19.98 Intersect 1/16 line, set 2 inch x 2 inch hub 24 inches long, 16 inches in ground, marked MC for corner common to from which 16/6 cor. bears S. 0° 02' 30" E., 17.04 chains dist. and 16/14 cor. bears N. 0° 02' 30" W. 22.95 chains dist. USRS

39.96 Meander corner common to Lots 6 and 7 heretofore described. From this corner S 1/4 cor. Sec. 31, bears S. 0° 03' W. 17.97 chains dist. and 16/13 cor. bears N. 0° 03' E. 22.09 chains dist.

FINAL OATH

I, O. J. SCHIEBER, Jr. Engineer, U. S. Reclamation Service, do solemnly swear that I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Section 31, Township 1 North, Range 3 East, Gila and Salt River Base and Meridian, in State of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

  
Jr. Engineer, U. S. R. S.

Subscribed by said O. J. Schieber and  
sworn to before me this 21<sup>st</sup> day of  
April, 1916.



APPROVAL

## UNITED STATES RECLAMATION SERVICE

Washington, D. C.,

June 20, 1916.

The foregoing field notes of the subdivision of Sec. 31, Tp. 1 N., R. 3 E., G. & S.R.B. & M., Arizona, and the survey of farm units therein, executed by O. J. Schieber, Jr. Engineer, U. S. R. S., having been examined and found to conform with instructions, are hereby approved.

  
Director and Chief Engineer.

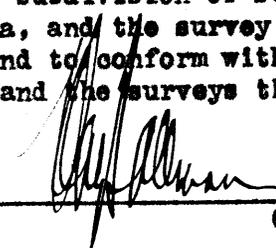
## DEPARTMENT OF THE INTERIOR

## GENERAL LAND OFFICE

Washington, D. C.,

September 15, 1916.

The foregoing field notes of the subdivision of Sec. 31, Tp. 1 N., R. 3 E., G. & S.R.B. & M., Arizona, and the survey of farm units therein, having been examined and found to conform with the requirements of this office, the said field notes and the surveys they describe are hereby accepted.



Commissioner.

DEPARTMENT OF THE INTERIOR  
UNITED STATES RECLAMATION SERVICE

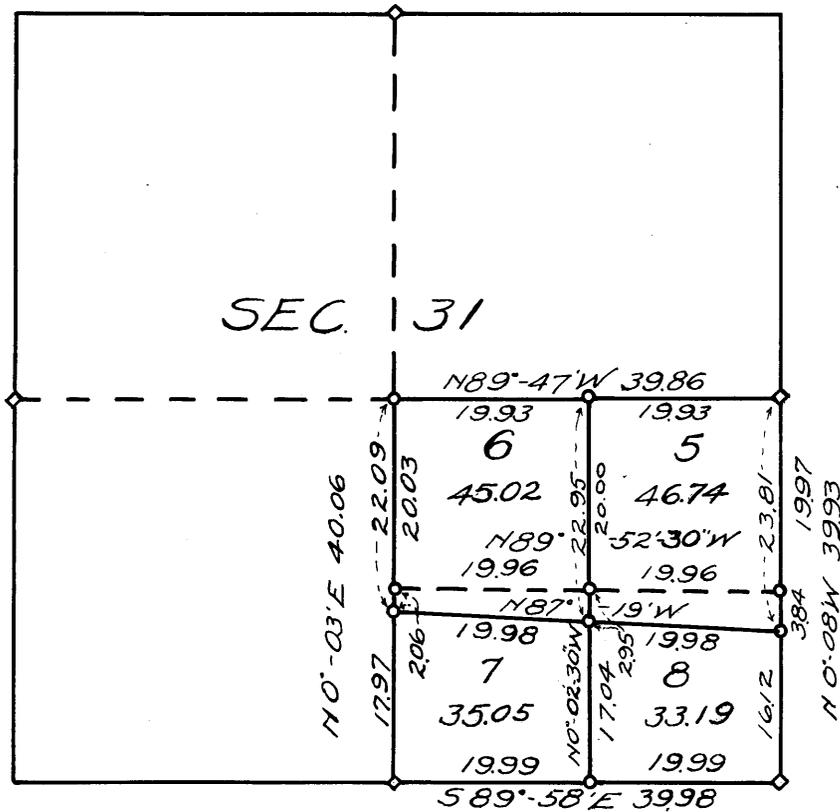
Supplemental Plat

Section 31

Township 1 North, Range 3 East, G. & S. R. B. & M., Arizona

Surveyed by O. J. SCHIEBER, Jr. Engineer, U.S.R.S.

Scale 4 inches = 1 mile



 Denotes corners found in place  
 Denotes corners set by O. J. Schieber, Jr. Engineer, U. S. Reclamation Service.

The accompanying diagram of the survey of Farm Units 5, 6, 7 and 8, Sec. 31, Tp. 1 N., R. 3 E., G. & S. R. B. & M., Arizona, is correct and according to the field notes thereof on file in this office which have been examined and approved.

U. S. Reclamation Service, Washington, D.C.  
\_\_\_\_\_, 19\_\_.

*A. P. Davis*  
Director and Chief Engineer.

The accompanying diagram of the survey of Farm Units 5, 6, 7 and 8, Sec. 31, Tp. 1 N., R. 3 E., G. & S. R. B. & M., Arizona, is conformable to the field notes thereof on file in this office, which have been examined and accepted.

Department of the Interior, General Land Office, Washington, D. C.  
September 15, 1916.

*[Signature]*  
Commissioner.

ACCESSION NO. \_\_\_\_\_.