1152

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

BOOK 4152

FIELD NOTES

OF RESURVEY OF

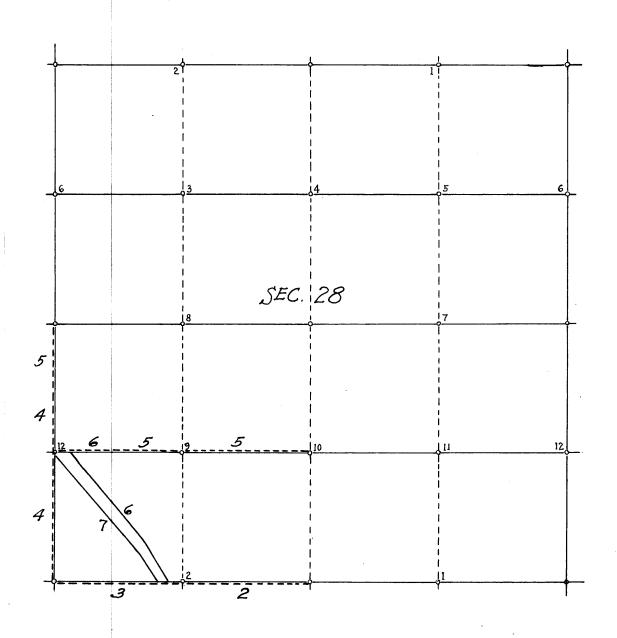
West half of subdivision line bet. Sections 28 and 33
South half of subdivision line bet. Sections 28 and 29
and Latitudinal 1/16 Sec. Line thru SW2 of Section 28
AND OF THE SURVEY OF
Right or NE. bank of Santan Canal thru SWISWI Section 28
and of Fence along NE. side of the Irrigable portion of
Allen Howard's Gila River Indian Reservation Allotment
No. 3723 in Swaswa of Section 28.
Township No. 3 South, Range No. 6 East.
Of the Gila and Salt River Meridian,
In the State ofARIZONA
EXECUTED BY
Benjamin J. Kinsey
Cadastral Engineer, General Land Office,
under instructions contained in the Commissioner's letter
1502759 "E" dated April 21 , 19 38, which provided
for surveys, included under Group No. 217, bearing the approval of the
Commissioner of the General Land Office under date of
and assignment instructions dated July 12 , 19 38
Downton and a 20
Resurvey and Survey commenced September 8 , 19 38
Resurvey and Survey completed September 16 . 19 38

INDEX DIAGRAM.

Towns	hip		., Range		
6	5	4	8	2	1
7	8	9	10	11	12
18	17	16	15	14	18
19	20	21	22	28	34
30	29	28	27	26	25
31	32	38	34	35	36
			6—151		

~INDEX·DIAGRAM~

BOOK 4152



Accepted surveyed lines.

Lines resurveyed under this group, Notes herein.

Lines surveyed under this group. Notes herein.

---- Unsurveyed.

The resurveys and surveys herein described were executed by Benjamin J. Kinsey, Cadastral Engineer, using a Buff transit No. 18000. The instrument is equipped with the improved Smith solar attachment and otherwise conforms to the standard specifications of the General Land Office.

PRELIMINARY TEST OF INSTRUMENT.

- September 4, 1938; at station in window in the south end of the old Federal Building (now U.S.Court House), at Phoenix, Arizona, latitude 33°27'N., longitude 112°48' W., examine the adjustments of the instrument and find no errors. Then, to test the solar apparatus by comparing its indications with the true meridian previously established at this station, proceed as follows:
- At 9h.00m., a.m., app.t., set off 33°27'N. on the latitude arc; 7°162'N. on the declination arc; and determine a meridian with the solar which agrees with the true meridian.
- At app.noon, with the latitude arc unchanged, observe the sun on the meridian, and obtain a reading of 7°13½'N. on the declination arc, which agrees with the computed declination of the sun.
- At 3h.00m., p.m., app.t., with the latitude arc unchanged, set off 7°ll'N. on the declination arc, and determine a meridian with the solar which agrees with the true meridian.
- As all of the solar observations made during the usual hours of solar work come within l' of the true meridian, conclude that the adjustments of this instrument are satisfactory on this date, prior to beginning the resurveys and surveys hereinafter described.
- All azimuth determinations are accomplished with the solar attachment.
- All measurements herein recorded were made with a Lufkin steel tape, 5 chs. in length, graduated every link for the first 100 lks., and the remainder at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The land being level or nearly level no slope measurements requiring conversion to horizontal equivalent were made.

Resurvey: West half of Subdivision line bet. secs. 28 and 33 and South half of Sub. line bet. secs. 28 and 29, Township 3 South, Range 6 East.

2

Chains

Township No. 3 South, Range No. 6 East, of the Gila and Salt River Meridian, Arizona, in its entirety, is within the Gila River Indian Reservation. The subdivision lines, quarter-section lines of part of the sections, and the latitudinal sixteenth-section lines of part of the sections, of said township, were surveyed in 1911 by G.P.Harrington, U.S.Surveyor, and no retracement or resurvey of any of these lines is of record.

The field notes herein describe a resurvey of W2 of line bet. secs. 28 and 33, the S2 of line bet. secs. 28 and 29, and the latitudinal 1/16 sec. line thru SW4 of sec. 28; survey of traverse of right or NE. bank of the Santan Canal thru SW4SW4 of sec. 28 and of traverse of Allen Howard's fence along SW. side of ditch and road at toe of left or SW. bank of Santan Canal, in SW4SW4 of sec. 28.

These resurveys and surveys, authorized by the Commissioner of the General Land Office, April 21, 1938, are made for the purpose of segregating the irrigable land in Allen Howard's Gila River Allotment No. 3723, described as NW4NW4SW4SW4, S2NW4SW4SW4, SW4SE4SW4SW4, and SW4SW4SW4, of Sec. 28, T. 3 S., R. b E., G. & S.R.B.& M. Arizone M., Arizona.

Resurvey: Wa of line bet. secs. 28 and 33.

From cor. of secs. 28, 29, 32 and 33,

N. $89^{\circ}58^{\circ}E$, on random line, bet. secs. 28 and 33 ($W_{\overline{z}}$).

20.00

No trace of 1/16 sec. cor. No. 2 of secs. 28 and 33 can be found. Set temp. cor.

40.00

Intersect the $\frac{1}{4}$ sec. cor. of secs. 28 and 33, which is an iron post, I in. in diam., projecting 12 ins. above ground, firmly set, marked on brass cap and witnessed ground, firmly see, maintains as described in the official record; from which

buildings at Dock Siding, a station on the Southern Pacific Railroad, bear as follows:

s.232°W. s.30°W. s.57°W. s.80°W. House -(A) (B) House (C) Depot (D) House West N.85°W. Section hands house (E) (F) House N.82°W. House (G)

From ½ sec. cor.

S.89°58'W., on true line, bet. secs. 28 and 33 ($\mathbb{V}_{2}^{\frac{1}{2}}$).

Over level land, thru scattering undergrowth.

1.50 Wash, 20 lks. wide, course S.

2.50 Old highway, bears N. 36°W. and S. 36°E.

3.00 Power line, parallel to old highway.

Fence, bears N. 43°W. and S. 43°E., along NE. line of right-of-way of Southern Pacific Railroad. Thence 6.60 across railroad right-of-way.

,	. 3.
Chains	
8.00	Levee, parallel to railroad.
8.30	Side track of S.P.railroad, bears N. 43°W. and S. 43°E.
8.60	Main track of S.P. railroad, bears N. 43°W. and S. 43°E.
10.00	NW. end of section hands house (E).
12.26	Board fence, parallel to railroad, Leave railroad right- of-way.
20.00	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/16 sec. cor. No. 2 of secs. 28 and 33, with brass cap marked
	1/16 S28 . S33 No.2
	1911-38
	raise a mound of stone, 4 ft. base, 2 ft. high, around post.
	This cor. is at NE. edge of old highway bearing N. 30°W. and S. 30°E.
	NE. cor. of State highway No. 87 bridge over wash, bears N.75°20'W., 95 lks. dist.
	Water tank and buildings at Dock Siding bear as follows:
	Water tank N.86°E.
•	House (A) S.04°E. Depot (C) S.74°E. House (F) N.80°E. House (G) N.74°E.
21.10	Center of pavement of State highway No. 87, bears N.304°W. and S. 304°E.
21.74	Toe of slope of right or NE. bank of Santan Canal, bears N.30% on and S. 30% E.
22.20	Center of top of right or NE. bank of Santan Canal; bears N.304°W. and S. 304°E.
22.80	Center of water in Santan irrigation canal, flowing N. 3010 W.
23.30	Center of top of left or SW. bank of Santan Canal, bears N.304°W. and S. 304°E.
23.54	Fence cor. bears S. 50 lks. dist. from which fences extend W. and SE.
23.60	Toe of SW. bank of Santan Canal, bears N. 304°W. and S. 304°E.
23.80	Center of road, bearing N. 304°W. and S. 304°E., joined at this point by a road from W.
24.10	Fence cor. bears N. 50 lks. dist. from which fences extend W. and NW. This is the SE. cor. of Allen Howard's fenced tract in SW4SW4 of sec. 28.
	Thence along road in lane about 100 lks. wide.
40.00	Intersect the cor. of secs. 28, 29, 32 and 33, which is
1	• • • •

Resurvey: Wo of line bet. secs. 28 and 33.

4.

	4•	$m{\cdot}$	
	Chains		Γ
	• 10 (4) • 1	an iron post, 1 in. in diam., the brass cap on top of which is 2 ft. below surface of the ground, at intersection of roads in lanes bearing N., S., E. and W. The brass cap is marked as described in the official record, but the accessories have become obliterated.	And the second s
		Resurvey: St of line bet. secs. 28 and 29.	
		From the $\frac{1}{4}$ sec. cor. of secs. 28 and 29,	
	• Lander to	$5.0^{\circ}02!E.$, on random line, bet. secs. 28 and 29 (S_8^1).	
	20.00	No trace of 1/16 sec. cor. No. 12 of secs. 28 and 29 can be found. Set temp. cor.	
	39.98	Intersect the cor. of secs. 28, 29, 32 and 33.	
		Thence	
	•	N.0°02'W., on true line, bet. secs. 28 and 29 ($S_2^{\frac{1}{2}}$).	
		Over level land, along road in lane about 85 lks. wide.	l
	19.99	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., $4\frac{1}{2}$ ft. in the ground, for 1/16 sec. cor. No. 12 of secs. 28 and 29, with brass cap marked	
		1/16 S28 S29 No. 12	
		1911-38	
		This cor. is in road intersection, roads extending N. 41° W., S. 41°E. and S. Fence cor. bears S. 31½°E., 89 lks. dist., from which fences extend SE. and S. This is the NW. cor. of Allen Howard's fenced tract in SW½SW½ of sec. 28. Another fence cor. bears S. 77°W., 38 lks. dist. from which fences extend NW. and S. Headgate wheel on left or SW. bank of Santan Canal, bears N.8°50°E., 87 lks. dist.	
	20.78	Center of top of left or SW. bank of the Santan Canal, bears N. 41°W. and S. 41°E.	
,	21.50	Center of water in Santan irrigation canal, flows N.41°W.	
	22.30	Center of top of right or NE. bank of the Santan Canal, bears N. 41°W. and S. 41°E.	
	26.10	Wood post, 4 ins. square, projecting 2 ft.above ground, and marked "R. of W. sec. line". This post marks the intersection of the SW. line of the right-of-way of State highway No. 87 with the sec. line bet. secs. 28 and 29.	•
		Thence across highway right-of-way, bears NW. and SE.	
	31.30	Center of pavement of State highway, No. 87, bears NW. and SE. in curve.	
,	32.70	Fence, bears N. 41°W. and S. 41°E., along SW. line of right-of-way of the Southern Pacific railroad. Leave highway R. of W. and enter the railroad R. of W.	•
	32.80	Telegraph line, bears N. 41°W. and S. 41°E.	
	33.90	Main track of the Southern Pacific R.R., bears N. 41°W. and S. 41°E.	Í

		, 2•
	Chains	
	34.56	Telephone line, bears N. 41°W. and S. 41°E.
	35-43	Fence, bears N. 41°W. and S. 41°E., along NE. line of S.P.R.R. right-of-way. Leave railroad R. of W.
	39. 98	Intersect the \(\frac{1}{4}\) sec. cor. of secs. 28 and 29, which is an iron post, 1 in. in diam., projecting 8 ins. above ground, firmly set, marked on brass cap and witnessed as described in the official record.
		Resurvey of the latitudinal 1/16 sec. line thru SW2 of Sec. 28.
ſ		From 1/16 sec. cor. No. 12 of secs. 28 and 29,
	. е	N.89°58'E., on random line, on lat. 1/16 sec. line thru SW4 of sec. 28.
	20.00	No trace of 1/16 sec. cor. No. 9 can be found. Set temp. cor.
	40.00	Intersect 1/16 sec. cor. No. 10, which is an iron post, 3 ft. long, 1 in. in diam., projecting 12 ins. above ground, firmly set, marked on brass cap and witnessed as described in the official record.
		Thence
		S.89°58'W., on true line, on latitudinal 1/16 sec. line thru SW2 of sec. 28.
	•	Over level land, thru scattering undergrowth.
	17.00	Old highway, bears NW. and SE.
	18.00	Power line, bears NW. and SE.
	20.00	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for 1/16 sec. cor. No. 9 in center of SW4 of sec. 28, with brass cap marked
	en e e	1/16 Cor. No. 9 S 28
		1911-38
		raise a mound of stone, 2 ft. base, 12 ft. high, around post.
		This cor. is alongside curve in old road bearing N. 15°W. and S. 15°W.
	•	Water tank and buildings at Dock Siding on S.P. railroad bear as follows:
•		Water Tank S.23°E. House (B) S.29½°E. Depot (C) S.24°E.
		House (F) S. 22°E. House (G) S. 20°E.
	24.20	Fence, bears N. 42°W. and S. 42°E. on NE. line of right-of-way of Southern Pacific railroad. Thence across the R.R. right-of-way.
	25.60	Telephone line, bears N. 42°W. and S. 42°E.
-		

Resurvey of the latitudinal 1/16 sec. line thru SW_{4}^{1} of Sec. 28.

6.

6	•	
	Chains	
	27.24	Main track of Southern Pacific railroad, bears N. 42°W. and S. 42°E.
	28.40	Fence, bears N. 42°W. and S. 42°E. on SW. line of rail- road right-of-way. Leave railroad R. of W. and enter the R. of W. of State highway No. 87.
	32.00	Center of pavement of State highway No. 87, bears NW. and SE. in curve.
	37•90	Center of top of right or NE. bank of Santan Canal, bears N. 41°W. and S. 41°E.
	38.50	Center of water in Santan irrigation canal, flows N. 41°W
	39.40	Center of top of left or SW. bank of Santan Canal, bears N. 41°W. and S. 41°E.
	40.00	Intersect 1/16 sec. cor. No. 12 of secs. 28 and 29.
	e de la companya de	Survey: Traverse of Right or NE. Bank of Santan Canal thru SW4SW4 of Sec. 28, T. 3 S., R. 6 E.
		From point in center of top of right or NE. bank of the Santan Canal, and on Wa of line bet. secs. 28 and 33 at 22.20 chs. S. 89°58'W. from 4 sec. cor. of said secs., survey a traverse of center of top of said canal bank as follows:
	٠ و	N.304°W., 6.72 chs. to angle point
		thence N.41°W., 18.78 chs. to intersection with the latitudinal 1/16 sec. line of SW1 of sec. 28 at 2.10 chs.
		N.89°58'E. from 1/16 sec. cor. No. 12 of secs. 28 and 29.
		The toe of slope of right or NE. bank of the Santan Canal is irregular but averages 40 lks. NE. from and parallel to the above described traverse of the center of the top of bank, therefore the traverse of the toe of said canal bank thru the SW\(\frac{1}{4}\)SW\(\frac{1}{4}\) of sec. 28 is computed to be:
7	•	From point on W.1 of line bet. secs. 28 and 33 at 21.74 chs. S.89°58'W. from the 4 sec. cor.
		N.304°W., 6.98 chs. to angle point, thence
	•	N.41°W., 18.48 chs. to intersection with the latitudinal 1/16 sec. line of SW4 of sec. 28 at
	. ,	2.63 chs. N.89°58'E. from 1/16 sec. cor. No. 12 of secs. 28 and 29.
		Survey: Traverse of Fence along NE. side of the Irrigable portion of Allen Howard's Gila River Indian Reservation Allotment No. 3723, in SW4SW4 of sec. 28, T. 3 S., R. 6 E.
		The SE. cor. of Allen Howard's fenced tract in SW4SW4 of sec. 28 is 50 lks. N. of point on W2 of line bet. secs. 28 and 33 which is 15.90 chs. N. 89°58'E. from the cor. of secs. 28, 29, 32 and 33.

4-673 b

Survey: Traverse of Fence along NE. side of the Irrigable portion of Allen Howard's Gila River Indian Reservation Allotment No. 3723, in SWASWA of sec. 28, T. 3 S., R. 6 E.

BOOK C.

7•

Chains

From said fence cor.,

N.33°W., 4.50 chs. to angle point, thence

N.41°W., 19.81 chs. to NW. cor. of Allen Howard's fenced tract, from which

fences extend SE. and S., and 1/16 sec. cor. No. 12 of secs. 28 and 29 bears N. $31\frac{1}{8}$ °W., 89 lks. dist.

Alongside the fence traversed as described above, and on the NE. side thereof, is a small irrigation ditch, and between said ditch and the toe of left or SW. bank of the Santan Canal is a road parallel to said canal bank.

The traverse of the fence accomplishes a dividing line, as near as is practicable to do so, between the irrigable and non-irrigable portions of the Allen Howard's Gila River Indian Reservation Allotment No. 3723, in SW4SW4 of sec. 28, T. 3 S., R. 6 E., G. & S.R.M., Arizona, bet. the SE. and NW. cors. of the fenced portion thereof.

Based upon the traverse of the fence line, and assuming a projection thereof to the S. and W. boundaries of sec. 28, the computed traverse of the NE. boundary of irrigable land in $SW_4^1SW_4^2$ of sec. 28 is as follows:

From point on Wa of line bet. secs. 28 and 33 which is 15.22 chs. N. 89°58'E. from cor. of secs. 28, 29, 32 and 33,

N.33°W., 5.10 chs. to angle point thence
N.41°W., 20.51 chs. to point on S¹/₂ of line bet. secs. 28 and 29 at

19.76 chs. N. 0°02'W. from cor. of secs. 28, 29, 32 and 33.

FINAL TEST OF INSTRUMENT.

September 22, 1938:
At same station and on same meridian as preliminary test
was made as described on page 1 hereof, make test of
the solar apparatus of Buff transit No. 18000 as
follows:

- At 9h.00m., a.m., app.t., set off 33°27'N. on the latitude arc; 0°24'N. on the declination arc; and determine a meridian with the solar which a grees with the true meridian.
- At app. noon, with the latitude arc unchanged, observe the sun on the meridian and obtain a reading of 0°22'N. on the declination arc, which agrees with the computed declination of the sun.
- At 3h.00m., p.m., app.t., with the latitude arc unchanged, set off 0°19'N. on the declination arc, and determine a meridian with the solar which agrees with the true meridian.
- 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 this instrument have remained in satisfactory adjustment throughout the resurveys and surveys described in the foregoing field notes.



BOOK 4162

4--680 (Revised May 1934)

FIELD ASSISTANTS

Benjamin J. Kinsey, Cadastral Engineer			
NAMES	CAPACITY		
Norman Simser	Prin. Assistant		
Jack Williams	Chainman		
·			
,			

6-8412

BOOK 4152

CERTIFICATE OF UNITED STATES SURVEYOR

General Land Office, I, Benjamin J. Kinsey, Cadastral Engineer Land Office,
contained in the Commissioner's letter 1502759 "E", pursuance of special instructions bearing date of the
received from the district cadastral engineer for, with assignment
instructions dated July 12, 1938 , I have resurveyed W1 of sub. line bet. Secs. 28 and 33, S1 of sub. line bet. Secs. 28 and 29 and lat. 1/16 sec. line thru SW1 of Sec. 28 and surveyed the right or NE. bank of Santan Canal thru SW1SW1 Sec. 28 and of fence along NE. side of the Irrigable portion of Allen Howard's Gila River Indian Reservation Allotment No. 3723 in SW1SW1 of Sec. 28.
Township No. 3 South, Range No. 6 East
of the Gila and Salt River Meridian, in the State of, which are
represented in the foregoing field notes as having been executed by me and under my direction; and that said
resurvey and survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.
Phoenix, Arizona October 7 1078 Codestrol Engineer
October 7, 1938 Cadastral Engineer
General Land Office
CERTIFICATE OF APPROVAL
OFFICE OF THE SUPERVISOR OF SURVEYS,
Denver, Colorado, Hovember 18, 1938
The foregoing field notes of the resurvey of wood of sub. line bet. Secs. 28 and 33, South half of sub. line bet. Secs. 28 and 29 and lat. 1/16 sec. line thru Swood of Sec. 28 and of the survey of right or NE. bank of Santan Canal thru Swood Sec. 28 and of fence along NE. side of the Irrigable portion of Allen Howard's Gila River Indian Reservation Allotment No. 3723 in Swood Swood of Sec. 28, Township No. 3 South, Range No. 6 East of the Gila and Salt River Meridian, in the State of Arizona,
executed by Benjamin J. Kinsey, Cadastral Engineer, General Land Office, contained in the Commissioner's letter 1502759 "E", under special instructions, dated
instructions dated July 12, 1938 , having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the resurvey
and surveys therein described, are hereby approved.
Manti Supervisor of Surveys.
- CERTIFICATE OF TRANSCRIPT
-I CERTIFY that the foregoing transcript of the field notes of the above described surveys in
-U.S. Supervisor of Surneys