

ORIG ①

4-679

BOOK 3532

Book "E"

FIELD NOTES

OF THE RETRACEMENT OF

part of the boundary of the Hualpai Indian Reservation,

AND OF THE SURVEY OF

part of the West boundary,

part of the North boundary,

and part (completion) of the Subdivision lines of

Township 25 North, Range 9 West,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Kenneth W. Bond, U. S. Transitman,

In the capacity of U. S. Surveyor, under Special Instructions dated February 25, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 107, Arizona, which were approved by the Commissioner of the General Land Office, March 8, 1920, and Assignment Instructions dated March 29, 1920

Retracement and Survey commenced August 21, 1920

Retracement and Survey completed September 3, 1920

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3532

1A

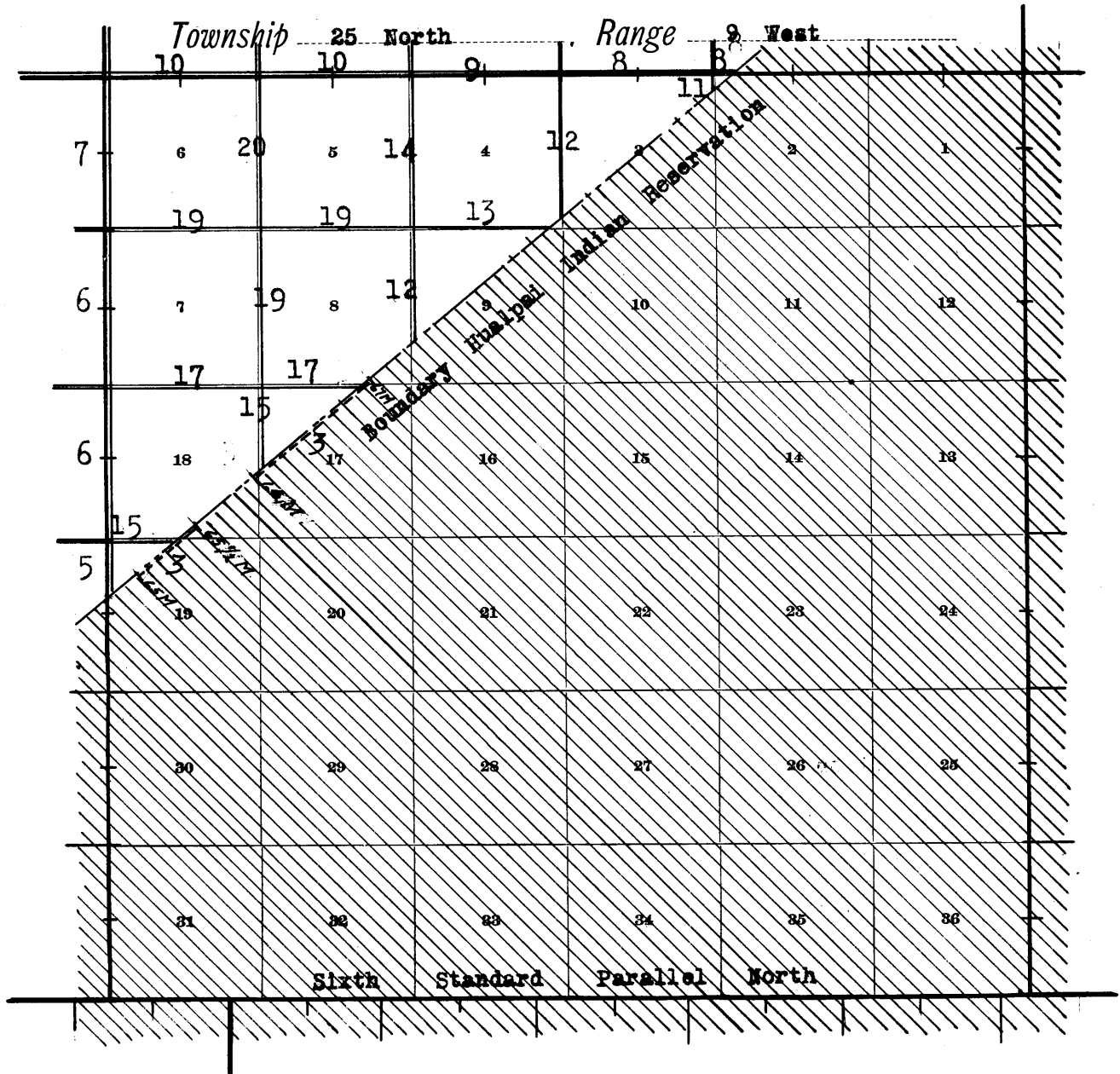
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Group 107 - - Arizona.

INDEX DIAGRAM.



==== Lines surveyed under this Group.

----- Lines retraced under this Group.

—— Accepted surveys.

//// Areas surveyed as per accepted plats on file.

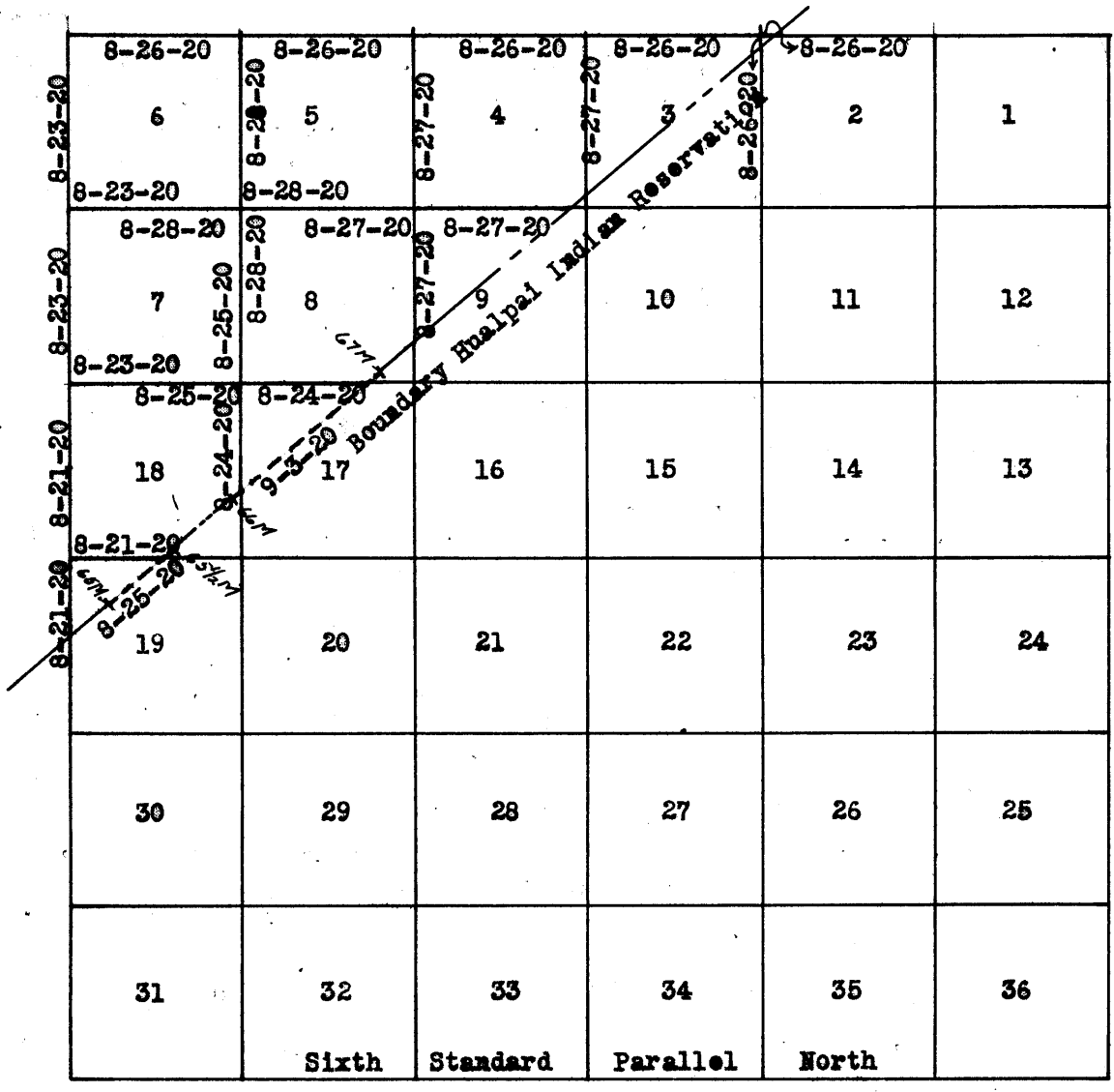
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Date Diagram

Township 25 North, Range 9 West.

BOOK 3532



Brown lines on above diagram indicate accepted surveys.

Red lines and dotted red lines on above diagram indicate surveys and retracements executed by Kenneth W. Bond, U. S. Transitman, on dates shown thereon.

Retracements and Surveys hereinafter described, executed on dates shown on diagram on page 1 hereof by Kenneth W. Bond, U.S. Transitman, using Young and Sons light mountain transit No. 8477. This instrument is equipped with full vertical circle and the Smith solar attachment. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

August 21, 1920. Examine the adjustments of the instrument, and correct all errors; then, to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed as follows:

In camp, at Blue Mountain Tank, near the $\frac{1}{4}$ sec. cor. of secs. 23 and 26, T. 26 N., R. 9 W., Gila and Salt River Base and Meridian, Arizona, in latitude $35^{\circ}37'18''$ N.; longitude, $113^{\circ}12'43''$ W. at 9h. 35.4m. p.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground 6 chs. N.

Azimuth of Polaris at eastern elongation = $1^{\circ}22'55''$.

August 22, 1920. Lay off the azimuth of Polaris $1^{\circ}23'$ to the west, and mark a point in the meridian thus determined by a tack in a peg driven firmly in the ground 6 chs. N.

At 7h. 0m. a.m., l.m.t., set off $35^{\circ}37\frac{1}{2}'$ N. on the latitude arc; $11^{\circ}47\frac{1}{2}'$ N. on the decl. 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; the resulting reading of the declination arc is $11^{\circ}42\frac{1}{2}'$ N., which agrees with the computed declination of the sun.

At 5h. 0m. p.m., l.m.t., with the latitude arc unchanged, set off $11^{\circ}39'$ N. on the decl. 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 $1'30''$ of the true meridian, conclude that the adjustment of the instrument is satisfactory.

Unless otherwise specified all measurements are made with Lallie steel tapes, 2 and 5 chs. in length, compared with a Lufkin standard steel tape and found correct.

The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Retracement of part of the Boundary of the Hualpai Indian Reservation in T.25 N., R.9 W. 3

chains.

The boundary of the Hualpai Indian Reservation thru T.25 N., R.9 W. was surveyed by Albert T. Colton, U.S. Deputy Surveyor, in August 1900, and no retracement or resurvey of such portion of the line is of record. The following notes describe a retracement between the 65 and 65 1/2 mile monuments, and between the 66 and 67 mile monuments.

The 65 mile monument in sec. 19, T.25 N., R.9 W. is a limestone, 10x6x4 ins. above ground, firmly set, marked with a cross (x) on top, H I R 65 M on the NW. face, and P.L. on the SE. face, and witnessed by two pits, one each NW. and SE. of stone, and a mound of earth N.50° E. of stone. No bearing trees.

Thence, N.50°E., on a random line, on the 66th mile of the H.I.R. boundary.

33.85 Over nearly level land, thru. scattering undergrowth. Intersect the closing cor. of those parts of secs. 18 and 19, T.25 N., R.9 W., situated outside the Reservation, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by three pits, one each N.50° E., S.50°W., and E. of cor., and a mound of earth, E. of cor. No bearing trees.

True course and length of Reservation boundary from the 65 mile mon. to this C C are therefore N.50°E., 33.85 chs.

Continue line and measurement.

40.21 Intersect the 65 1/2 mile monument, which is a sandstone 10x10x6 ins. above ground, firmly set, marked with a cross (x) on top, H I R 65 1/2 M on the NW. face, and P L on the SE. face, and witnessed by two pits, one each NW. and SE. of stone, and a mound of earth N.50°E. of stone. No bearing trees.

True course and length of the SW. 1/2 of the 66th mile of the Reservation boundary are therefore N.50°E., 40.21 chs.

Land, nearly level. Soil, sandy clay loam, 1st rate. Timber, none. Undergrowth, scattering sage brush. Good grass.

The 66 mile monument is a limestone, 10x8x6 ins. above ground, firmly set, marked with a cross (x) on top, H.I R 66 M on the NW. face, and P L on the SE. face, and witnessed by two pits, one each NW. and SE. of stone, and a mound of earth N.50°E. of stone. No bearing trees.

Thence, N.50°E., on a random line, on the 67th mile of the H I R bdy.

Over gently rolling land, thru. scattering undergrowth and very scattering timber.

Descend very gradually over NW. slope.

8.81 Intersect the closing cor. of those parts of secs. 17 and 18, T.25 N., R.9 W., situated outside the Reservation, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees, as follows:

- A cedar, S.48°E., 51 lks. dist., and
- A cedar, S.22°W., 201 lks. dist.

True course and length of Reservation boundary from the 66 mile mon. to this C.C. are therefore, N.50°E., 8.81 chs., which agrees with the record.

Chains.

Continue line and measurement.

Over gently rolling land, thru. scattering undergrowth, and very scattering timber, descending very gradually over NW.slope.

40.15 Intersect the 66 $\frac{1}{2}$ mile monument, which is a sandstone 10x8x7 ins. above ground, firmly set, marked with a cross (x) on top, H I R 66 $\frac{1}{2}$ M on the NW.face, and P L on the SE.face, and witnessed by two pits, one each NW. and SE. of stone, and a mound of earth, N.50°E. of stone. No bearing trees.

True course and length of SW. $\frac{1}{2}$ of the 67th mile of the Reservation bdy. are therefore, N.50°E., 40.15 chs.

Thence,

N.50°E., on a random line, on the NE. $\frac{1}{2}$ of the 67th mile of the H.I.R. boundary.

Over gently rolling land, thru. scattering undergrowth, and very scattering timber.

Descend very gradually over NW.slope.

38.41 Intersect the closing cor. of those parts of secs.8 and 17, T.25 N., R. 9 W., situated outside the Reservation, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees as follows:

A cedar, N.76 $\frac{1}{2}$ °E., 400 lks.dist., and

A cedar, S.18 $\frac{1}{2}$ °W., 80 lks.dist.

True course and length of the Reservation boundary from the 66 $\frac{1}{2}$ mile mon, to this C.C. are therefore, N.50°E., 38.41 chs.

Continue line and measurement.

40.09 Intersect the 67 mile monument, which is a sandstone, 10x8x6 ins. above ground, firmly set, marked with a cross (x) on top, H I R 67 M on NW.face, and P L on SE.face, and witnessed by two pits, one each NW. and SE. of stone and a mound of earth N.50°E. of stone.

No bearing trees.

True course and length of NE. $\frac{1}{2}$ of the 67th mile of the Reservation boundary are therefore, N.50°E., 40.09 chs.

Land, gently rolling.

Soil, sandy clay loam, 1st rate.

Timber, very scattering cedar and pine.

Undergrowth, scattering sage brush.

Good grass.



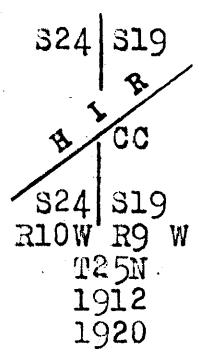
Chains.

That portion of the West bdy. of T.25 N., R.9 W., situated outside the Hualpai Indian Reservation was surveyed in April, 1912, by William H. Elliott, U.S. Surveyor, who established a closing cor. of Ts.25 N., Rs.9 and 10 W. at the point of intersection of the range line with the Reservation boundary.

The following notes describe the completion of the survey of the Range line thru. T.25 N., beginning at the township closing cor., and extending said line due north to point of intersection with the North boundary of T.25 N., R.9 W., extended due west from the closing cor. of Ts.25 and 26 N., R.9 W. on the Reservation boundary, as hereinafter described.

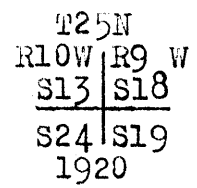
The closing cor. of those parts of Ts.25 N., Rs.9 and 10 W. situated outside the Hualpai Indian Reservation is an iron post 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by three pits, one each N.50°E., S.50°W., and S. of cor., and a mound of earth S. of cor. No bearing trees.

This cor. is of record as being established on the H.I.R. boundary at 48.72 chs. N. from the cor. of secs. 19, 24, 25 and 30. Change the marking on the brass cap to read:



This closing cor. now refers to areas on both sides of the Reservation boundary. Thence, North, on true line, bet. those parts of secs.19 and 24, situated inside the H.I.R. Over gently rolling land, thru. scattering timber and undergrowth.

31.28 Descend 90 ft., over NE. slope, to (80.00 chs. N. from cor. of secs.19, 24, 25 and 30) Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs.13, 18, 19 and 24, marked on brass cap,



from which,
A juniper, 14 ins. in diam., brs. N. 76 1/2° E., 181 lks. dist. marked T25N R9W S18 BT.
A juniper, 10 ins. in diam., brs. S. 48 1/2° E., 113 lks. dist., marked T25N R9W S19 BT.
A juniper, 14 ins. in diam., brs. S. 84 1/2° W., 55 lks lks. dist., marked T25N R10W S24 BT.
and dig a pit 18x18x12 ins. NW. of post, 3 ft. dist.

Land, gently rolling.
Soil, sandy clay loam, 1st rate.
Timber, scattering juniper and pine.
Undergrowth, scattering sage brush and greasewood.
Good grass.

6 Part of West bdy. of Township 25 North, Range 9 West (completion)

Chains.

North, on true line, bet. secs. 13 and 18.
Over gently rolling land, thru. scattering undergrowth and very scattering timber.

40.00 Descend 65 ft., over NE. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

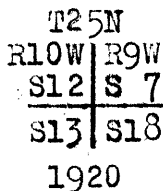
A juniper, 15 ins. in diam., brs. S. $12\frac{1}{2}^\circ$ W., 450 lbs. dist., marked $\frac{1}{4}$ S13 BT.

and dig pits 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Leave gently rolling land and timber, and enter level land.

65.00 Road brs. NE. and SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap,



and dig pits 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, S. $\frac{1}{2}$ gently rolling. N. $\frac{1}{2}$ level.

Soil, sandy clay loam, 1st rate.

Timber, none.

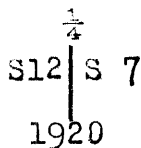
Undergrowth, scattering sage brush.

Good grass.

North, on true line, bet. secs. 7 and 12.
Over level land, thru. scattering undergrowth.

8.00 Road brs. E. and W.

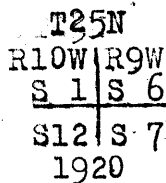
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



and dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

68.50 Old wood road, brs. NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap,



and dig pits 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.

Soil, black sandy and gravelly clay loam, 1st rate.

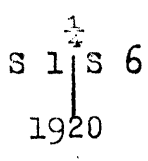
Timber, none.

Undergrowth, scattering sage brush. Good grass.

Part of West bdy. of Township 25 North, Range 9 West (completion) 7

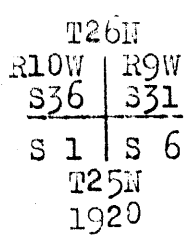
Chains.

North, on true line, bet. secs. 1 and 6.
 Over level land, thru. dense undergrowth.
 2.95 Wood road, brs. NE. and SW.
 5.00 Leave level, and enter gently rolling land and scattering timber.
 Ascend 50 ft., over S. slope.
 22.18 Low spur, slopes NE. Leave scattering and enter dense timber.
 Descend 30 ft., over N. slope. to $\frac{1}{4}$ sec. cor.
 32.80 Old wood road, brs. NE. and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A pine, 12 ins. in diam., brs. S. 27° E., 74 lks. dist., marked $\frac{1}{4}$ S 6 BT.
 A pine, 14 ins. in diam., brs. S. 36 $\frac{1}{2}$ ° W., 226 lks. dist., marked $\frac{1}{4}$ S 1 BT.

Leave gently rolling, and enter nearly level land. Continue thru. dense timber and undergrowth.
 Ascend very gradually over SW. and W. slopes to Tp. cor.
 70.00 Leave timber, brs. NE. and SW.
 80.16 Intersect the N. bdy. of the Tp., surveyed due west from the closing cor. of Ts. 25 and 26 N., R. 9 W., as herein after described.
 At point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 14 ins. in the ground to bed rock, and raise a mound of stone around post for cor. of Ts. 25 and 26 N., Rs. 9 and 10 W., marked on brass cap,



from which,
 A juniper, 24 ins. in diam., brs. N. 54 $\frac{1}{2}$ ° E., 288 lks. dist., marked T26N R9W S31 BT.
 A juniper, 14 ins. in diam., brs. S. 77 $\frac{1}{2}$ ° E., 430 lks. dist., marked T25N R9W S6 BT.
 A juniper, 30 ins. in diam., brs. N. 26 $\frac{1}{2}$ ° W., 199 lks. dist., marked T26N R10W S31 BT.
 and dig a pit, 18x18x12 ins., SW. of post, 3 ft. dist. Land, S. 5 chs., level; N. 40 chs., nearly level; remainder, gently rolling.
 Soil, gravelly clay loam, 2nd rate.
 Timber, juniper and pine, scattering in S. 22 chs.; dense elsewhere, with the exception of the N. 10 chs., where there is none.
 Undergrowth, dense sagebrush and scattering Spanish dagger.
 Good grass.

8 Survey of part of North bdy. of T.25 N., R. 9 W. (completion).

Chains.

That portion of the N.bdy. of T.25 N., R.9 W. situated outside the Hualpai Indian Reservation was surveyed in April, 1912, by William H. Elliott, U.S. Surveyor, who established a closing cor. of Ts. 25 and 26 N., R. 9 W., at the intersection of the Tp. bdy. with the Reservation bdy. The following notes describe the completion of the Tp. boundary thru. Range 9 W., beginning at the Tp. closing cor., and extending said line due W. to the point of intersection with the W. bdy. of T.25 N., R. 9 W., extended due N. from the closing cor. of T.25 N., Rs. 9 and 10 W., on the Reservation bdy., as hereinbefore described.

The closing cor. of those portions of Ts. 25 and 26 N., R. 9 W., situated outside the Hualpai Indian Reservation is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees as follows:

A pine, N. $53\frac{1}{2}^{\circ}$ E., 110 lks. dist., and

A cedar, S. $15\frac{1}{4}^{\circ}$ E., 51 lks. dist.

Change the marking on the brass cap to read:

S35cc	H I R	S35	T26N.
S 2		S 2	T25N R9W
			1912
			1920

This closing cor. now refers to areas on both sides of the Reservation boundary.

Thence, West, on true line, bet. those parts of secs. 2 and 35, situated inside the H.I.R.

Over nearly level land, thru. dense timber and scattering undergrowth. Desc. slightly over SW. slope, to

5.08 (80.00 chs. W. from cor. of secs. 1, 2, 35 and 36), set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

T26N R9 W	S34	S35
S 3	S 2	
T25N		
1920		

from which,

A juniper, 12 ins. in diam., brs. N. 85° E., 139 lks. dist., marked T26N R9W S35 BT.

A juniper, 10 ins. in diam., brs. S. 9° E., 120 lks. dist., marked T25N R9W S2 BT.

A juniper, 9 ins. in diam., brs. S. $37\frac{1}{2}^{\circ}$ W., 145 lks. dist., marked T25N R9W S3 BT.

A juniper, 10 ins. in diam., brs. N. 53° W., 6 lks. dist., marked T26N R9W S34 BT.

Land, nearly level. Soil, gravelly and rocky, 3rd and 4th rate. Timber, dense juniper and pine.

Undergrowth, scattering prickly ash and sagebrush.

Fair grass.

West, on true line, bet. secs. 3 and 34.

Over nearly level land, thru. scattering timber and undergrowth. Desc. very gradually over SW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, and raise mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 34
S 3
1920

from which,

A juniper, 14 ins. in diam., brs. N. 50° E., 342 lks. dist., marked $\frac{1}{4}$ S 34 BT.

A juniper, 18 ins. in diam., brs. S. $61\frac{1}{4}^{\circ}$ E., 273 lks. dist., marked $\frac{1}{4}$ S 3 BT.

Continue over nearly level land, thru. scattering timber and undergrowth; desc. 20 ft., over SW. slope, to

Part of North bdy. of Township 25 North, Range 9 West (completion)

9

Chains.

43.00 Leave nearly level land, timber and undergrowth, and enter open level land, bearing N. and S.
 60.00 Leave level open land, and enter gently rolling land, scattering timber and undergrowth. Asc. 25 ft. over SE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T26N	R9 W
S33	S34
S 4	S 3
T25N	
1920	

from which,

- A juniper, 10 ins. in diam., brs. N. 37 $\frac{1}{2}$ ° E., 123 lks. dist., marked T26N R9W S34 BT.
- A juniper, 7 ins. in diam., brs. S. 1° E., 19 lks. dist., marked T25N R9W S3 BT.
- A pine, 8 ins. in diam., brs. S. 38° W., 241 lks. dist., marked T25N R9W S4 BT.
- A juniper, 12 ins. in diam., brs. N. 26 $\frac{1}{2}$ ° W., 197 lks. dist., marked T26N R9W S33 BT.

Land, nearly level, level and gently rolling.
 Soil, gravelly and rocky, 3rd rate.
 Timber, scattering juniper and pine.
 Undergrowth, scattering sage brush and prickly ash.
 Fair grass.

 West, on true line, bet. secs. 4 and 33.
 Over gently rolling land, thru. scattering timber and undergrowth. Ascend 10 ft., over SE. slope.

2.50 Point of spur, slopes SW. Desc. 43 ft., over W. slope,
 3.00 Leave timber.
 15.00 Ascend 18 ft., over SE. slope.
 23.00 Point of low spur, slopes SW. Desc. 35 ft., over SW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$	S 33
S 4	
1920	

from which,

- A juniper, 28 ins. in diam., brs. S. 72 $\frac{1}{4}$ ° E., 582 lks. dist., marked $\frac{1}{4}$ S 4 BT.
- and dig pits, 10x10x12 ins., one each E. and W. of post, 3 ft. dist.

Continue over gently rolling land, thru. scattering undergrowth. Desc. 65 ft., over W. slope, to

60.00 Leave gently rolling, and enter nearly level land. Descend slightly over W. slope to sec. cor.
 78.00 Enter scattering timber, brs. N. and S.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap,

T26N	R9W
S32	S33
S 5	S 4
T25N	
1920	

from which,

- A juniper, 24 ins. in diam., brs. N. 26° E., 435 lks. dist., marked T26N R9W S33 BT.
- A juniper, 12 ins. in diam., brs. S. 40 $\frac{1}{4}$ ° E., 258 lks. dist., marked T25N R9W S4 BT.
- A juniper, 26 ins. in diam., brs. S. 52° W., 220 lks. dist., marked T25N R9W S5 BT.
- A juniper, 26 ins. in diam., brs. N. 48° W., 38 lks. dist., marked T26N R9WS32 BT.

Land, E. 60 chs., gently rolling; W. 20 chs. nearly level.
 Soil, gravelly and rocky, 3rd rate.

Timber, scattering juniper and pine in E. 3 chs. and W. 2 chs.; none elsewhere. Undergrowth, scattering prickly ash, scrub oak and sage brush. Fair grass.

10 Part of North bdy. of Township 25 North, Range 9 West (completion)

Chains.

West, on true line, bet. secs. 5 and 32.
Over nearly level land, sloping slightly to the south, thru. scattering timber and undergrowth.

30.00 Leave nearly level, and enter gently rolling land.

Ascend 25 ft., over SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to bed rock, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

1/4 S 32
S 5
1920

from which,

A pine, 12 ins. in diam., brs. S. 86 lks. dist., marked 1/4 S 5 BT.

A juniper, 12 ins. in diam., brs. N. 89° E., 59 lks. dist., marked 1/4 S 32 BT.

Continue over gently rolling land, thru. scattering timber and undergrowth. Desc. 52 ft., over W. slope, to

65.00 Ascend 50 ft., over SE. slope.

73.62 Spur, slopes SW. Desc. 15 ft., over W. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap,

T26N | R9 W
S31 | S32
S 6 | S 5
T25N
1920

from which,

A juniper, 8 ins. in diam., brs. N. 71 1/2° E., 158 lks. dist., marked T26N R9W S32 BT.

A juniper, 8 ins. in diam., brs. S. 78° E., 88 lks. dist., marked T25N R9W S5 BT.

A juniper, 8 ins. in diam., brs. S. 15 1/2° W., 240 lks. dist., marked T25N R9W S6 BT.

A juniper, 14 ins. in diam., brs. N. 76° W., 61 lks. dist., marked T26N R9W S31 BT.

Land, E. 30 chs., nearly level; W. 50 chs., gently rolling. Soil, gravelly clay loam, 2nd rate.

Timber, scattering juniper and pine.

Undergrowth, scattering sage brush and scrub juniper.

Fair grass.

West, on true line, bet. secs. 6 and 31.

Over gently rolling land, thru. scattering timber and undergrowth. Descend 70 ft., over W. slope, to

13.50 Road, brs. NE. and SW. Leave gently rolling, and enter nearly level land, sloping slightly to the west.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

1/4 S 31
S 6
1920

from which,

A juniper, 16 ins. in diam., brs. N. 25 1/2° E., 85 lks. dist., marked 1/4 S 31 BT.

A juniper, 15 ins. in diam., brs. S. 32 1/2° E., 140 lks. dist., marked 1/4 S 6 BT.

Continue over nearly level land, sloping slightly to the W. Wood road, brs. N. and S.

75.50 Leave timber.

79.55 The cor. of secs. 25 and 26 N., Rs. 9 and 10 W., hereinbefore described.

Land, E. 13 1/2 chs., gently rolling. W. 66 chs., nearly level. Soil, gravelly clay loam, 2nd rate.

Timber, scattering juniper and pine in E. 75 1/2 chs. No timber in W. 4 chs.

Undergrowth, scattering sagebrush and Spanish dagger.

Good grass.

Survey of part of Subdivision lines of T.25N.R.9W.(completion) 11

Chains.

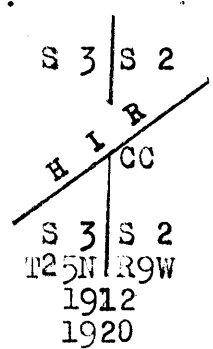
The subdivision lines of that portion of T.25 N.,R.9 W., situated outside the Hualpai Indian Reservation, were surveyed in April, 1912, by Jesse B. Wright, and William H. Elliott, U.S. Surveyors, who established closing corners at all points of intersection of the subdivision lines with the Reservation boundary.

The following notes describe the survey of the Subdivision lines in that portion of the township situated inside the Reservation, extending the existing lines from the closing corners, and completing the survey of the subdivision of the township.

The closing cor. of those portions of secs. 2 and 3 situated outside the Hualpai Indian Reservation is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees, as follows:

- A cedar, S.17°E., 237 lks. dist., and
- A cedar, S.13°W., 300 lks. dist.

This closing cor. is of record as being established on the H.I.R. boundary at 75.74 chs. N.0°1'W. from the cor. of secs. 1, 2, 11 and 12. Change the marking on the brass cap to read:



This closing cor. now refers to areas on both sides of the H.I.R. boundary.

Thence,
N.0°1'W. on random line, bet. those parts of secs. 2 and 3 situated inside the H.I.R.

4.26 (80.00 chs. N.0°1'W. from the cor. of secs. 1, 2, 11 and 12) Intersect the cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp., hereinbefore described.

Thence,
S.0°1'E., on a true line, bet. those parts of secs. 2 and 3, situated inside the H.I.R.

Over nearly level land, thru. scattering timber and undergrowth.

4.26 Descend slightly over SW. slope, to Intersect the closing cor. of secs. 2 and 3 on the H.I.R. boundary.

Land, nearly level.
Soil, gravelly and rocky, 4th rate.
Timber, scattering juniper and pine.
Undergrowth, scattering sage brush and prickly ash.
Fair grass.

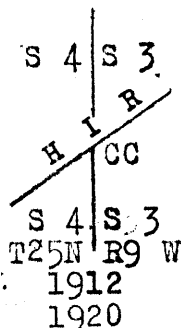
The closing cor. of those portions of secs. 3 and 4, situated outside the H.I.R. is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by three pits, one each N.50°E., S.50°W., and S. of cor., and mound of earth S. of cor. No bearing trees.

This closing cor. is of record as being established on the H.I.R. bdy. at 8.70 chs. N.0°2'W. from the cor. of

12 Part of Subdivision lines of T.25 N., R.9 W. (completion)

Chains.

secs. 3, 4, 9 and 10. Change the marking on the brass cap to read:



This closing cor. now refers to areas on both sides of the Reservation bdy.

The sec. line between those parts of the south halves of secs. 3 and 4 situated inside the Reservation will be an extension of the existing portion of the line outside the Reservation; therefore, from the above described closing cor.,

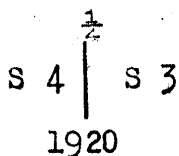
N.0°2'W., on true line, bet. those parts of the south halves of secs. 3 and 4, situated inside the Reservation.

Over gently rolling land, thru. dense undergrowth. Ascend very gradually, over S. slope to $\frac{1}{4}$ sec. cor.

6.10
31.30

Road hrs. E. and W.

(40.00 chs. N.0°2'W. from cor. of secs. 3, 4, 9 and 10) Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,



and dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Thence,

N.0°2'W., on a random line, bet. the North halves of secs. 3 and 4.

40.00

(80.00 chs. N.0°2'W. from cor. of secs. 3, 4, 9 and 10) Fall 8 lks. W. of the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., hereinbefore described.

Thence,

S.0°5'W., on true line, bet. the North halves of secs. 3 and 4.

Over gently rolling land, thru. scattering timber and dense undergrowth.

Descend very gradually over SE. and S. slopes to the $\frac{1}{4}$ sec. cor.

10.10
40.00

Leave timber, hrs. E. and W.

Intersect the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Land, gently rolling.

Soil, sandy and gravelly clay, 2nd and 3rd rate.

Timber, scattering juniper and pine in N. 10 chs. None elsewhere.

Undergrowth, dense sage brush.

Fair grass.

The closing cor. of those portions of secs. 8 and 9 situated outside the H.I.R. is an iron post 2 ins. in diam. projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees, as follows:

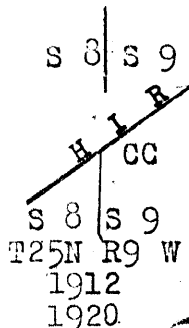
A cedar, N.76 $\frac{1}{2}$ °E., 114 lks. dist., and

A cedar, S.19°W., 93 lks. dist.

Part of Subdivision lines of T.25 N. R.9 W.(completion)

Chains.

This closing cor. is of record as being established on the H.I.R. boundary at 21.94 chs. N.0°3'W. from the cor. of secs. 8,9,16 and 17. Change the marking on the brass cap to read:

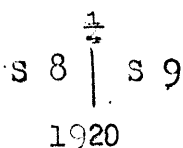


This closing cor. now refers to areas on both sides of the H.I.R. boundary.

Thence; N.0°3'W., bet. those parts of secs.8 and 9, situated inside the H.I.R. Over gently rolling land, thru. scattering timber and undergrowth.

18.06

Descend very gradually over NW. slope, to (40.00 chs. N. 0°3'W., from cor. of secs.8,9,16 and 17), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



- from which,
- A juniper, 12 ins. in diam., brs. N.2°E., 200 lks. dist., marked 1/4 S 9 BT.
- A juniper, 8 ins. in diam., brs. S.19°W., 410 lks. dist., marked 1/4 S 8 BT.

Continue over gently rolling land, thru. scattering timber and undergrowth, along W. slope, with slight change in elevation.

38.00

Ascend 17 ft., over S. slope.

41.95

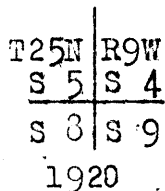
Road, brs. E. and W.

48.06

Point of low spur, slopes W. Descend 40 ft., over N. slope, to

58.06

(80.00 chs. N.0°3'W., from cor. of secs.8,9,16 and 17), Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs.4,5,8 and 9, marked on brass cap,



and dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. 3 ft. dist.

Land, gently rolling. Soil, gravelly clay loam, 2nd and 3rd rate. Timber, scattering juniper. Undergrowth, scattering sagebrush, scrub juniper and cactus. Fair grass.

40.00

East, on a random line, bet. those parts of secs.4 and 9 situated inside the H.I.R.

69.67

Set temp. 1/4 sec. cor. Fall 14 lks. S. of the closing cor. of those parts of secs. 4 and 9, situated outside the H.I.R., which is an

14. Part of Subdivision lines of T.25 N. R.9 W. (completion)

Chains.

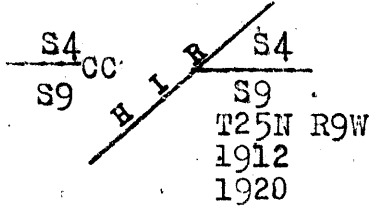
iron post 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by three pits, one each N. 50° E., S. 50° W., and E. of cor., and a mound of earth E. of cor.

No bearing trees.

This closing cor. is of record as being established on the H.I.R. boundary at 10.29 chs. W. from the cor. of secs. 3, 4, 9 and 10. The total length of the sec. line is therefore 69.67 chs. + 10.29 chs. = 79.96 chs. The sec. line between those parts of the east halves of secs. 4 and 9 situated inside the H.I.R. being an extension of the existing portions of the line, is to be surveyed due west to the midpoint of the sec. line, where $\frac{1}{2}$ sec. cor. will be established.

The falling of the random line will therefore apply to the W. $\frac{1}{2}$ of the sec. line, giving S. 89° 48' W., 39.98 chs. for the true course and length thereof.

Change the marking on the brass cap to read:



This closing cor. now refers to areas on both sides of the Reservation boundary.

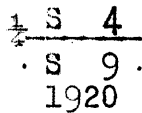
Thence,

West, on true line, bet. those parts of the east halves of secs. 4 and 9, situated inside the H.I.R.

Over gently rolling land, thru. dense undergrowth. Descend slightly over NW. slope.

28.94
29.69

Road brs. NE and SW. Ascend slightly over NE. slope, to midpoint on sec. line (39.98 chs. west from the cor. of secs. 9, 10, 15 and 16). Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,



and dig pits 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

Thence,

S. 89° 48' W., on a true line, bet. the W. halves of secs. 4 and 9.

Over gently rolling land, thru. dense undergrowth. Ascend slightly over NE. slope.

10.00
39.98

Thence along N. slope, descending very gradually to intersect the cor. of secs. 4, 5, 8 and 9.

Land, gently rolling.

Soil, gravelly clay loam, 2nd and 3rd rate.

Timber, none.

Undergrowth, dense sage brush.

Fair grass.

N. 0° 1' E., on a random line, bet. secs. 4 and 5.

40.00
80.18

Set temp. $\frac{1}{4}$ sec. cor.

Fall 9 lks. E. of the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., hereinbefore described,

Thence,

S. 0° 3' E., on a true line, bet. secs. 4 and 5.

Over nearly level land, thru. dense undergrowth, and very scattering timber.

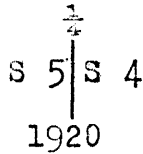
15.00

Leave nearly level, and enter gently rolling land. Asc. 35 ft., over NW. slope.

Part of Subdivision lines of T. 25 N., R. 9 W. (completion) 15

Chains.

25.20 Low spur, slopes SW.
 Descend 45 ft., over SE. and S. slopes, to
 40.18 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

A juniper, 18 ins. in diam., brs. S. 10° E., 832 lks.
dist., marked $\frac{1}{4}$ S 4 BT.

A juniper, 36 ins. in diam., brs. S. 8 $\frac{1}{2}$ ° W., 635 lks.
dist., marked $\frac{1}{4}$ S 5 BT.

Continue over gently rolling land, thru. dense undergrowth
& scattering timber. Desc. very gradually over S. slope.

65.00 Ascend very gradually over N. slope.

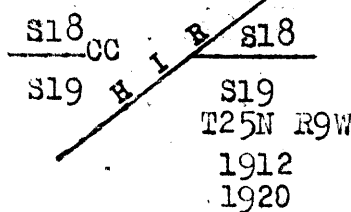
80.18 The cor. of secs. 4, 5, 8 and 9.

Land, N. 15 chs., nearly level; S. 65 chs., gently rolling.
Soil, gravelly clay loam, 2nd and 3rd rate.
Timber, very scattering juniper.
Undergrowth, dense sagebrush.
Fair grass.

The closing cor. of those portions of secs. 18 and 19, situ-
ated outside the H.I.R., is an iron post, 2 ins. in
diam., projecting 12 ins. above ground, firmly set,
properly marked on brass cap, and witnessed by three
pits, one each N. 50° E., S. 50° W., and E. of cor., and
a mound of earth, E. of cor. No bearing trees.

This closing cor. is of record as being established on the
H.I.R. boundary at 42.33 chs. West from the cor. of secs.
17, 18, 19 and 20,

Change the marking on the brass cap to read:



This closing cor. now refers to areas on both sides of
the Reservation boundary.

Thence,

West, on random line, bet. those parts of secs. 18 and
19, situated inside the H.I.R.

37.42 (79.75 chs. West from cor. of secs. 17, 18, 19 and 20) Inter-
sect the cor. of secs. 13, 18, 19 and 24 on the W. bdy. of
the Tp., hereinbefore described.

Thence,

East, on a true line, bet. those parts of secs. 18 and 19,
situated inside the H.I.R.

Over gently rolling land, thru. scattering timber and under-
growth. Descend very gradually over NE. slope.

37.42 The closing cor. of secs. 18 and 19, on the H.I.R. boundary.

Land, gently rolling.
Soil, sandy and gravelly clay loam, 1st and 2nd rate.
Timber, scattering juniper.
Undergrowth, scattering sagebrush and greasewood.
Good grass.

The closing cor. of those parts of secs. 17 and 18, situated
outside the H.I.R., is an iron post, 2 ins. in diam.,

16. Part of Subdivision lines of T.25 N. R.9 W. (completion)

Chains.

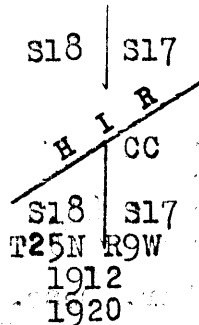
projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees, as follows:

A cedar, S. 48° E., 51 lks. dist., and

A cedar, S. 22° W., 201 lks. dist.

This closing cor. is of record as being established on the H. I. R. boundary at 35.46 chs. N. 0° 3' W., from the cor. of secs. 17, 18, 19 and 20.

Change the marking on the brass cap to read:



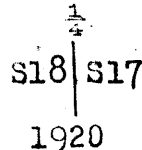
This closing cor. now refers to areas on both sides of the Reservation boundary.

Thence,

N. 0° 3' W., bet. those parts of secs. 17 and 18, situated inside the H. I. R.

Over gently rolling land, thru. scattering timber and undergrowth.

4.54 Descend 25 ft., over NW. slope, to
(40.00 chs. N. 0° 3' W. from the cor. of secs. 17, 18, 19 and 20).
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

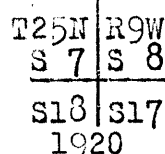
A juniper, 10 ins. in diam., brs. N. 48 $\frac{1}{2}$ ° E., 74 lks. dist., marked $\frac{1}{4}$ S 17 BT.

A pine, 12 ins. in diam., brs. N. 84 $\frac{1}{2}$ ° W., 116 lks. dist., marked $\frac{1}{4}$ S 18 BT.

Continue over gently rolling land, thru. scattering timber and undergrowth.

14.50 Descend 20 ft., over NW. slope, to
Change to N. slope. Timber becomes very scattering.

44.54 Descend very gradually over N. slope, to
(80.00 chs. N. 0° 3' W. from the cor. of secs. 17, 18, 19 and 20)
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,



from which,

A juniper, 16 ins. in diam., brs. N. 63° E., 12.80 chs. dist.; marked T25N R9W S8 BT.

A pine, 14 ins. in diam., brs. S. 72 $\frac{1}{2}$ ° E., 7.66 chs. dist., marked T25N R9W S17 BT.

A juniper, 10 ins. in diam., brs. S. 41° W., 4.60 chs. dist., marked T25N R9W S18 BT.

A juniper, 12 ins. in diam., brs. N. 43 $\frac{1}{2}$ ° W., 2.10 chs. dist., marked T25N R9W S7 BT.

Land, gently rolling.

Soil, gravelly clay loam, 2nd and 3rd rate.

Timber, scattering juniper and pine, very scattering in N. 30 chs.

Part of Subdivision lines of T.25 N., R.9 W. (completion) 17

Chains.

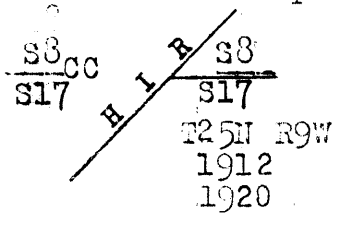
Undergrowth, scattering prickly ash, sage brush and rabbit brush.
Fair grass.

40.00
53.64

East, on a random line, bet. those parts of secs. 8 and 17, situated inside the Reservation.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect the closing cor. of those parts of secs. 8 and 17 situated outside the H.I.R., which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees, as follows:

A cedar, N. $76\frac{1}{2}^{\circ}$ E., 400 lks. dist., and
A cedar, S. $18\frac{1}{2}^{\circ}$ W., 80 lks. dist.

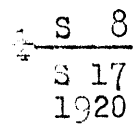
This closing cor. is of record as being established on the H.I.R. boundary at 26.36 chs. West from the cor. of secs. 8, 9, 16 and 17; therefore, the total length of the sec. line is 53.64 chs. + 26.36 chs. = 80.00 chs.
Change the marking on the brass cap to read:



This closing cor. now refers to areas on both sides of the Reservation boundary.

9.20
13.64

Thence,
West, on true line, bet. those parts of secs. 8 and 17, situated inside the H.I.R.
Over gently rolling land, thru. scattering timber and dense undergrowth.
Descend 40 ft. over NW. slope, to $\frac{1}{4}$ sec. cor.
Road hrs. NE. and SW.
(40.00 chs. W. from the cor. of secs. 8, 9, 16 and 17), set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
A juniper, 6 ins. in diam. hrs. S. $78\frac{1}{2}^{\circ}$ E., 33 lks. dist., marked $\frac{1}{4}$ S 17 BT.
A juniper, 14 ins. in diam., hrs. S. 39° W., 36 lks. dist., marked $\frac{1}{4}$ S 8 BT.

43.60
53.64

Continue over gently rolling land, thru. scattering timber and dense undergrowth, along N. slope, with slight change in elevation.
Timber becomes very scattering,
The cor. of secs. 7, 8, 17 and 18.
Land, gently rolling.
Soil, gravelly clay loam, 2nd rate.
Timber, scattering juniper and pine. Very scattering in W. 10 chs.
Undergrowth, dense sagebrush.
Fair grass.

40.00
79.51

West, on random line, bet. secs. 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor.
Fall 7 lks. N. of the cor. of secs. 7, 12, 13 and 18, on the

18 Part of Subdivision lines of T.25 N. R.9 W. (completion)

Chains.

... of the township, hereinbefore de-
scribed. Thence, ...

8.00 Over level land, thru. dense undergrowth.
39.51 Road brs. NE. and SW.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 7
S 18
1920

and dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

Leave level, and enter nearly level land and very scattering timber.

Continue thru. dense undergrowth. Ascend very gradually over NW. slope, to

79.51 The cor. of secs. 7, 8, 17 and 18.
Land W. $\frac{1}{2}$ level; E. $\frac{1}{2}$, nearly level.
Soil, sandy and gravelly clay loam, 1st and 2nd rate.
Timber, very scattering juniper and pine in E. half. No timber in W. half.
Undergrowth, dense sagebrush.
Good grass.

N. 0° 3' W., bet. secs. 7 and 8.
Over nearly level land, thru. dense undergrowth and very scattering timber.

37.50 Descend very gradually over NW. slope, to
40.00 Road, brs. E. and W. Ascend slightly over SE. slope, to

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S 7 | S 8
1920

from which,

A juniper, 14 ins. in diam., brs. N. 50 $\frac{1}{2}$ ° E., 224 lks. dist., marked $\frac{1}{4}$ S 8 BT.

A juniper, 12 ins. in diam., brs. N. 78 $\frac{1}{2}$ ° W., 230 lks. dist., marked $\frac{1}{4}$ S 7 BT.

Continue over nearly level land, thru. dense undergrowth and very scattering timber.

Ascend very gradually over SE. slope, to

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap,

T25N | R9 W
S 6 | S 5
S 7 | S 8
1920

from which,

A juniper, 14 ins. in diam., brs. N. 50 $\frac{1}{2}$ ° E., 532 lks. dist.; marked T25N R9W S5 BT.

A juniper, 12 ins. in diam., brs. S. 15 $\frac{1}{4}$ ° E., 482 lks. dist., marked T25N R9W S8 BT.

Part of Subdivision lines of T.25 N., R.9 W. (completion) 19

Chains.

and dig pits 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.
 Land, nearly level.
 Soil, sandy and gravelly clay loam, 1st and 2nd rate.
 Timber, very scattering juniper.
 Undergrowth, dense sagebrush.
 Good grass.

40.00 East, on a random line, bet. secs. 5 and 8.
 79.96 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the cor. of secs. 4, 5, 8 and 9.
 Thence,
 West, on true line, bet. secs. 5 and 8.
 Over gently rolling land, thru. very scattering timber and dense undergrowth.
 Ascend 40 ft., over E. slope.
 20.00 Low spur, slopes S. Leave very scattering, and enter dense timber.
 Descend very gradually over W. slope, to
 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and raise mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{r} \frac{1}{4} \text{ S } 5 \\ \text{S } 8 \\ 1920 \end{array}$$

from which,

A juniper, 12 ins. in diam., brs. S. $63\frac{1}{2}^{\circ}$ W., 130 lks. dist., marked $\frac{1}{4}$ S 8 BT.
 A juniper, 10 ins. in diam., brs. N. 28° W., 84 lks. dist., marked $\frac{1}{4}$ S 5 BT.
 Continue over gently rolling land, thru. dense timber and undergrowth.
 Descend very gradually over W. slope, to
 49.66 Road brs. NE. and SW. Leave gently rolling, and enter nearly level land.
 Ascend very gradually over SE. slope, to sec. cor.
 70.00 Leave dense, and enter very scattering timber, brs. N. and S.
 79.96 The cor. of secs. 5, 6, 7 and 8.
 Land, E. $49\frac{1}{2}$ chs. gently rolling; W. $30\frac{1}{2}$ chs. nearly level.
 Soil, gravelly and rocky clay loam, 2nd and 3rd rate.
 Timber, juniper, very scattering in E. 20 chs. and W. 10 chs. Dense elsewhere.
 Undergrowth, dense sagebrush.
 Fair grass.

40.00 S. $89^{\circ}57'$ W., on a random line, bet. secs. 6 and 7.
 79.54 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 10 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the Tp., hereinbefore described.
 Thence,
 S. $89^{\circ}59'$ E., on a true line, bet. secs. 6 and 7.
 Over level land, thru. dense undergrowth.
 8.60 Old road, brs. NE. and SW.
 20.00 Leave level, and enter nearly level land. Ascend very gradually over SW. slope to $\frac{1}{4}$ sec. cor.
 25.00 Enter scattering timber, brs. NE. and SW.
 39.54 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{r} \frac{1}{4} \text{ S } 6 \\ \text{S } 7 \\ 1920 \end{array}$$

20 Part of Subdivision lines of T.25 N., R.9 W. (completion)

Chains.

from which,

- A juniper, 10 ins. in diam., brs. S. $52\frac{1}{2}^{\circ}$ E., 37 lks. dist., marked $\frac{1}{4}$ S 7 BT.
- A pine, 14 ins. in diam., brs. N. 72° E., 105 lks. dist., marked $\frac{1}{4}$ S 6 BT.

Continue over nearly level land, thru. scattering timber and dense undergrowth. Desc. gradually over SE. slope, to sec. cor.

44.50
79.54

Leave timber, brs. N. and S. ...
The cor. of secs. 5, 6, 7 and 8.
Land, W. 20 chs. level; E. $59\frac{1}{2}$ chs., nearly level.
Soil, sandy and gravelly clay loam, 1st and 2nd rate.
Timber, scattering juniper and pine, except in W. 25 chs. and E. 35 chs., where there is no timber.
Undergrowth, dense sagebrush.
Good grass.

N. $0^{\circ}3'$ W., on a random line, bet. secs. 5 and 6.

40.00
80.15

Set temp. $\frac{1}{4}$ sec. cor.
Fall 5 lks. E. of the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of the Tp., hereinbefore described.

Thence;

S. $0^{\circ}5'$ E., on a true line, bet. secs. 5 and 6.

Over gently rolling land, thru. scattering timber and undergrowth. Descend 17 ft., over W. slope, to

5.00

Enter dense timber, brs. E. and W. Change to SW. slope, and descend 46 ft. to

15.00

Change to S. slope, and descend very gradually.

25.00

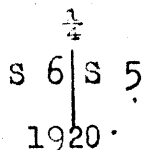
Leave dense, and enter very scattering timber, brs. E. and W.

30.00

Leave gently rolling, and enter nearly level land. Descend slightly over SE. slope, to

40.15

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

- A juniper, 40 ins. in diam., brs. S. $20\frac{1}{2}^{\circ}$ E., 270 lks. dist., marked $\frac{1}{4}$ S 5 BT.
- A juniper, 30 ins. in diam., brs. S. $69\frac{1}{4}^{\circ}$ W., 506 lks. dist., marked $\frac{1}{4}$ S 6 BT.

Continue over nearly level land, thru. scattering undergrowth and very scattering timber.

Descend very gradually over SE. slope, to

80.15

The cor. of secs. 5, 6, 7 and 8.
Land, N. 30 chs., gently rolling; S. 50 chs., nearly level.
Soil, gravelly clay loam, 2nd rate.
Timber, juniper and pine, scattering in N. 5 chs.; very scattering in S. 55 chs., and dense elsewhere.
Undergrowth, scattering sagebrush, scrub juniper and Spanish dagger.
Good grass.

The continued satisfactory adjustment of the solar apparatus, during the survey of this township is indicated from field test described in Book "H."

Part of Township 25 North, Range 9 West (completion)

Boundaries of that part of T.25 N., R.9 W. surveyed under this group (within the Hualpai Indian Reservation.)

Latitudes, Departures, and Closing Errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.		
			N.	S.	E.	W.	
West boundary,	North,	271.44	271.44				
North boundary,	East,	324.63			324.63		
Hualpai Indian Reserv. Bdy.,	S.50°W.	422.89		271.83		323.95	
Convergency,					.10		
<u>Totals.</u>			271.44	271.83	324.73	323.95	
				271.44	323.95		
<u>Error in latitude,</u>				0.39			
<u>Error in departure,</u>						0.78	

GENERAL DESCRIPTION.

The portion of this township surveyed as described in the foregoing notes lies entirely within the Hualpai Indian Reservation.

The surface is level in parts of secs.6,7, and 18 along the W.bdy.of the Tp., while elsewhere it is either gently rolling or nearly level.

The soil in the west range of sections is a sandy and gravelly clay loam, 1st and 2nd rate, and in the remainder is a gravelly clay, 3rd rate, except in section 2 and the eastern part of section 3, where the soil is rocky, 4th rate.

The timber consists of juniper and pine, and occurs in scattered groves, a few dense groves, but the most of them with a scattering growth, and there are many parts of all sections which are either devoid of timber, or have a very scattering growth.

There is an undergrowth of sagebrush, prickly ash, greasewood, rabbit brush, scrub juniper and cacti in all sections, in both scattering and dense growths.

There is no permanent running water, and no indication of valuable mineral deposits.

There are no settlers, and the only improvements consist of several roads.

CERTIFICATE OF UNITED STATES ~~TRANSITMAN~~

BOOK 3532

I, Kenneth W. Bond, ~~Surveyor~~ ^{Transitman}, U. S. ~~Surveyor~~, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General, for Group 107, Arizona,

bearing date of the 25th day of February, 1920, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, ~~surveyed~~ ^{retraced} all those parts or portions of the boundary of the

Hualpai Indian Reservation, and surveyed all those parts or portions of the West

and North boundaries and Subdivision lines of

Township 25 North, Range 9 West,

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in 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 retracement and

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the U. S. Surveyor General, for Group 107, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of

such ~~survey~~ ^{retracement and survey}.

Kenneth W. Bond

U.S. Transitman.

Place, Denver, Colorado

Date, March 9, 1921

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, February 13, 1923.

The foregoing field notes of the retracement of part of the Hualpai Indian Reservation,

and of the survey of part of the West boundary, part of the North boundary, and

part (completion) of the Subdivision lines of

Township 25 North, Range 9 West,

of the Gila and Salt River Base and Meridian,

in the State of Arizona,

executed by Kenneth W. Bond, U. S. Transitman

under special instructions dated Feb. 25, 1920, for Group 107, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys retracements and they describe, are hereby approved.

James O. Smith

U. S. Surveyor General.

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.