ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE DEPENDENT RESURVEY OF

A PORTION OF THE HOPI INDIAN RESERVATION BOUNDARY,

A PORTION OF THE THIRD GUIDE MERIDIAN EAST,

THE SURVEY OF THE SOUTH, WEST, AND NORTH BOUNDARIES,

THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF CERTAIN SECTIONS,

TOWNSHIP 30 NORTH, RANGE 12 1/2 EAST

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA

EXECUTED BY

Marshall Steele Wixom, Cadastral Surveyor

Under Special Instructions dated May 03, 2021, approved May 03, 2021, which provided for the surveys included under Group No. 1214, and assignment instructions dated May 03, 2021.

Survey commenced May 04, 2021

Survey completed July 01, 2021

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TOWNSHIP 30 NORTH RANGE 12 1/2 EAST GILA & SALT RIVER MERIDIAN, ARIZONA

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T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Hopi Indian Reservation boundary, a portion of the third guide meridian east, the survey of the south, west, and north boundaries, the subdivisional lines, and the subdivision of certain sections, Township 30 North, Range 12 1/2 East, Gila and Salt River Meridian, Arizona.

This survey was requested by Lena M. Yazzie, Realty Specialist, Cadastral Survey Coordinator, Bureau of Indian Affairs, Navajo Nation, in a Request for Cadastral Survey, to the Chief Cadastral Surveyor of Arizona, dated September 15, 2020.

The history of surveys pertaining to this survey is as follows:

Van L. White, U.S. Transitman, surveyed the Third Guide Meridian East through Townships 29 and 30 North, in 1911 (Books 2524 and 2525).

Leonard W. Murphy and Paul G. Bauer, Cadastral Surveyors, surveyed the North, South, East, and West Boundaries of the Hopi Indian Reservation, in 1964, according to an Executive Order, dated December 16, 1882 (Book 4747).

Gordon R. Bubel, Cadastral Surveyor, surveyed a portion of the South Boundary, Township 31 North, Range 12 East, in 2003 (Book 5739).

Leonard R. Sandoval, Cadastral Surveyor, surveyed the North Boundary, Township 29 North, Range 9 East, in 2009 (Book 5910).

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated May 03, 2021, for Group Number 1214, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R10-2 model receivers.

Preliminary to the survey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DP9946 P008 TUBA_CITY_AZ2007 CORS ARP, DL1882 AZFL NAU FLAGSTAFF CORS ARP, and DP9944 GCES GRAND CANYON ST 1 CORS ARP.

T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

CHAINS

The NAD 83 (2011) (EPOCH: 2010), geographic position of the corner of sections 7 and 18 only, Township 29 North, Range 13 East, is as follows:

Latitude: 35°55'31.618" N. Longitude: 110°59'26.641" W.

The NAD 83 (2011) (EPOCH: 2010), geographic position of the corner of Townships 30 and 31 North, Ranges 12 and 12 1/2 East, is as follows:

Latitude: 36°01'01.155 " N. Longitude: 111°03'06.133" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of a Portion of the Hopi Indian Reservation Boundary

Restoring a portion of the survey executed by Leonard W. Murphy and Paul G. Bauer, in 1964

Beginning at the 88 1/2 mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, 14 ins. below ground, with brass cap mkd. NAVAJO EO 1882 88 1/2 M 1964.

Add the marks 2021 to the brass cap.

Cor. is located along a barbed wire fence, bears N. and S.

South, along the 89th mile.

Over rolling land.

- Point for a crossing closing corner at intersection with the N. bdy. of the Tp., hereinafter described.
- The 89th mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, 33 ins. below ground, with brass cap mkd. NAVAJO EO 1882 89 M 1964.

Add the marks 2021 to the brass cap. Set a steel fence post alongside, to the S.

Cor. is located well below ground along a barbed wire fence, bears ${\tt N.}$ and ${\tt S.}$

S. 0°01' E., along the 90th mile.

Over rolling land.

Ascend approx. 350 ft.

Dependent Resurvey of a Portion of the Hopi Indian Reservation Boundary

	a Portion of the Hopi Indian Reservation Boundary
CHAINS	
38.9	Top of Coal Mine Canyon, bears easterly and westerly.
40.01	The 89 1/2 mile cor., monumented with a concrete cone, 30 ins. long, 12 ins. diam. at ground level, 8 ins. diam. at top, firmly set, bent over to the S., with brass cap mkd. NAVAJO EO 1882 89 1/2 M 1964.
	At the corner point
	Plumb concrete cone and reset 24 ins. in the ground. Add the marks 2021 to the brass cap.
	Cor. is along a barbed wire fence, bears N. and S.
	S. 0°01' E., beginning new measurement.
30.08	Point for a crossing closing corner at intersection with the line bet. secs. 1 and 12, hereinafter described.
40.03	The 90th mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. NAVAJO EO 1882 90 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	South, along the 91st mile.
	Over rolling land.
	Ascend approx. 100 ft.
39.99	Point for the 90 1/2 mile cor. at proportionate dist. There is no remaining evidence of the orig. corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.
	NAVAJO EO 1882
	NAVAJO 90 1/2 M
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
į	Cor. falls E., 2 lks. dist. from a barbed wire fence, bears N. and S.
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1	

Dependent Resurvey of a Portion of the Hopi Indian Reservation Boundary

	a Portion of the Hopi Indian Reservation Boundary
CHAINS	South, beginning new measurement.
5.4	Top of Mesa, bears northeasterly and southwesterly.
30.06	Point for a crossing closing corner at intersection with the line bet. secs. 12 and 13, hereinafter described.
39.99	The 91st mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd. NAVAJO EO 1882 91 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	S. 0°01' E., along the 92nd mile.
	Over gently rolling land.
7.81	The witness point on the N. side of Arizona State Highway No. 264., monumented with a concrete cone, 12 ins. diam. at base, 8 ins. diam. at top, firmly set, projecting 15 ins. above ground, with brass cap mkd. NAVAJO EO 1882 91 M + 7.798 CHS 1964.
	Cor. is located at the intersection of barbed wire fences, bears N., S. 65° E., and N. 63° W.
9.30	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
9.70	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
11.20	The witness point on the S. side of Arizona State Highway No. 264., monumented with a concrete cone, 12 ins. diam. at base, 8 ins. diam. at top, firmly set, projecting 15 ins. above ground, with brass cap mkd. NAVAJO EO 1882 91 M + 11.186 CHS 1964.
	Add the marks 2021 to the brass cap.
11.30	Intersection of barbed wire fence, bears S. 65° E., S., and N. 63° W.
40.02	The 91 1/2 mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd. NAVAJO EO 1882 91 1/2 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	South, beginning new measurement.

Dependent Resurvey of a Portion of the Hopi Indian Reservation Boundary

CHAINS 30.05	Point for a crossing closing corner at intersection with the line bet. secs. 13 and 24, hereinafter described.
40.01	The 92nd mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, 2 ins. below ground, with brass cap mkd. NAVAJO EO 1882 92 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	South, along the 93rd mile.
	Over gently rolling land.
40.02	The 92 1/2 mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. NAVAJO EO 1882 92 1/2 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	South, beginning new measurement.
30.02	Point for a crossing closing corner at intersection with the line bet. secs. 24 and 25, hereinafter described.
40.02	The 93rd mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. NAVAJO EO 1882 93 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	S. 0°01' E., along the 94th mile.
	Over gently rolling land.
40.02	The 93 1/2 mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. NAVAJO EO 1882 93 1/2 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	South, beginning new measurement.

Dependent Resurvey of a Portion of the Hopi Indian Reservation Boundary

	a Portion of the Hopi Indian Reservation Boundary
CHAINS	
29.98	Point for a crossing closing corner at intersection with the line bet. secs. 25 and 36, hereinafter described.
40.02	The 94th mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. NAVAJO EO 1882 94 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
	S. 0°01' E., along the 95th mile.
	Over gently rolling land.
19.94	Calculated position for the witness point, originally established on the N. side of a bladed road, at proportionate distance. Said road and the cattle guard crossing point are now fenced off in a manner that makes remonumentation impractical.
	The orig. concrete cone, 30 ins. long, 18 ins. at base, 8 ins. at top, with brass cap mkd. NAVAJO EO 1882 94 M +19.935 1964, found nearby, loose and disturbed above ground.
20.10	Trail road, bears N. 50° E. and S. 50° W.
40.02	The 94 1/2 mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd. NAVAJO EO 1882 94 1/2 M 1964.
i	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
E E	S. 0°01' E., beginning new measurement.
14.6	High voltage transmission line, bears N. 75° E. and S. 75° W.
29.94	Point for a crossing closing corner at intersection with the S. bdy. of the Tp., hereinafter described.
40.01	The 95th mile cor., monumented with a galvanized steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. NAVAJO EO 1882 95 M 1964.
	Add the marks 2021 to the brass cap.
	Cor. is located along a barbed wire fence, bears N. and S.
1	

CHAINS	Restoring a portion of the surveys executed by Van L. White, in 1911
	From the cor. of secs. 7 and 18 only, T. 29 N., R. 13 E., monumented with an iron post, 3 ins. diam., firmly set. projecting 12 ins. above ground, with brass cap mkd. T29N R12E R13E S12 S7 S13 S18 1911.
	Remove the marks R12E S12 S13 from the brass cap and add the marks R12 $1/2E$ S1 2021 .
	N. 0°03' E., bet. secs. 1 and 7, along the guide meridian.
	Over rolling land.
32.86	Calculated point for the cor. of secs. 1 and 36 only, T. 29 N. and T. 30 N., R. 12 1/2 E. Point not monumented.
	Continuing measurement, bet. secs. 7 and 36.
40.01	The 1/4 sec. cor. of sec. 7 only, T. 29 N., R. 13 E., monumented with an iron post, 1 in. diam., firmly set. projecting 10 ins. above ground, with brass cap mkd. 1/4 S12 S7 1911.
0 7	Remove the marks S12 from the brass cap and add the marks T30N T29N R12 1/2 E R13E 2021.
	N. 0°01' W., beginning new measurement.
20.25	Trail road, bears N. 60° E. and S. 60° W.
21.30	High voltage transmission line, bears N. 75° E. and S. 75° W.
32.85	Calculated point for the 1/4 sec. cor. of sec 36 only, T. 30 N., R. 12 1/2 E. Point not monumented.
40.04	The cor. of secs. 6 and 7 only, T. 29 N., R. 13 E., monumented with an iron post, 3 ins. diam., firmly set. projecting 12 ins. above ground, with brass cap mkd. T29N R12E R13E S1 S6 S12 S7 1911.
	Remove the marks R12E S1 S12 from the brass cap and add the marks R12 1/2E S36 2021.
	N. 0°02' E., bet. secs. 6 and 36, along the guide meridian.
	Over rolling land.
32.81	Calculated point for the cor. of secs. 25 and 36 only, T. 30 N., R. 12 1/2 E. Point not monumented.

	a Portion of the Third Guide Meridian East
CHAINS	Guilding management hat goes Cond 25
	Continuing measurement, bet. secs. 6 and 25.
37.50	Trail road, bears N. 50° E. and S. 50° W.
40.00	Point for the $1/4$ sec. cor. of sec. 6 only, T. 29 N., R. 13 E., at proportionate dist. There is no remaining evidence of the orig. corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N T 29 N R 12 1/2 E R 13 E
	1/4 S 6
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	N. 0°02' E., beginning new measurement.
1.25	Trail road, bears S. 35° E. and N. 35° W.
32.81	Calculated point for the $1/4$ sec. cor. of sec 25 only, T. 30 N., R. 12 $1/2$ E. Point not monumented.
40.00	The cor. of secs. 6 and 31 only, T. 29 N. and T. 30 N., R. 13 E., monumented with an iron post, 3 ins. diam., firmly set. projecting 16 ins. above ground, with brass cap mkd. T30N R12E R13E S36 S31 S1 S6 R12E R13E 1911.
	Remove the marks R12E S36 S1 R12E R13E from the brass cap and add the marks R12 1/2E S25 2021.
	N. 0°01' W., bet. secs. 25 and 31, along the guide meridian.
	Over rolling land.
32.81	Calculated point for the cor. of secs. 24 and 25 only, T. 30 N., R. 12 1/2 E. Point not monumented.
	Continuing measurement, bet. secs. 24 and 31.
40.00	Point for the 1/4 sec. cor. of sec. 31 only, T. 30 N., R. 13 E., at proportionate dist.
	The orig. iron post, 36 ins. long, 1 in. diam., with brass cap mkd. 1/4 S36 S31, found loose and disturbed above ground, to the

	a Portion of the Third Guide Meridian East
CHAINS	
	E., approx. 15 lks. dist. Monument not accepted as a reliable indicator of the orig. cor. position due to condition.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E R 13 E
	1/4 S 31
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Remove the orig. iron post from the field.
	N. 0°01' W., beginning new measurement.
32.81	Calculated point for the $1/4$ sec. cor. of sec 24 only, T. 30 N., R. 12 $1/2$ E. Point not monumented.
33.60	Trail road, bears East and West.
40.01	The cor. of secs. 30 and 31 only, T. 30 N., R. 13 E., monumented with an iron post, 3 ins. diam., firmly set. projecting 9 ins. above ground, with brass cap mkd. T30N R12E R13E S25 S30 S36 S31 1911.
	Remove the marks R12E S25 S36 from the brass cap and add the marks R12 1/2E S24 2021.
	N. 0°01' W., bet. secs. 24 and 30, along the guide meridian.
	Over rolling land.
32.80	Calculated point for the cor. of secs. 13 and 24 only, T. 30 N., R. 12 $1/2$ E. Point not monumented.
	Continuing measurement, bet. secs. 13 and 30.
40.02	Point for the $1/4$ sec. cor. of sec. 30 only, T. 30 N., R. 13 E., at proportionate dist. There is no remaining evidence of the orig. corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
10 0	
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	a Portion of the Third Guide Meridian East
CHAINS	
	T 30 N
	R 12 1/2 E R 13 E
	1/4 S 30
	l '
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	N. 0°01' W., beginning new measurement.
29.20	Barbed wire fence, bears S. 65° E. and N. 65° W.
30.80	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
31.25	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
32.69	Barbed wire fence, bears S. 65° E. and N. 65° W.
32.78	Calculated point for the $1/4$ sec. cor. of sec 13 only, T. 30 N., R. 12 $1/2$ E. Point not monumented.
40.03	The cor. of secs. 19 and 30 only, T. 30 N., R. 13 E., monumented with an iron post, 3 ins. diam., firmly set. projecting 13 ins. above ground, with brass cap mkd. T30N R12E R13E S24 S19 S25 S30 1911.
	Remove the marks R12E S24 S25 from the brass cap and add the marks R12 1/2E S13 2021.
	N. 0°01' E., bet. secs. 13 and 19, along the guide meridian.
	Over rolling land.
	OVER TOTTING TANGE.
8.25	Top of mesa, bears northeasterly and southwesterly.
	Descend approx. 100 ft.
32.75	Calculated point for the cor. of secs. 12 and 13 only, T. 30 N., R. 12 1/2 E. Point not monumented.
	Continuing measurement, bet. secs. 12 and 19.
40.02	The 1/4 sec. cor. of sec. 19 only, T. 30 N., R. 13 E., monumented with an iron post, 1 in. diam., firmly set. projecting 12 ins. above ground, with brass cap mkd. 1/4 S24 S19 1911.

	a Portion of the Third Guide Meridian East
CHAINS	Remove the marks S24 from the brass cap and add the marks T30N R12 1/2 E R13E 2021.
	N. 0°01' W., beginning new measurement.
17.50	Trail road, bears East and West.
24.90	Trail road, bears N. 65° E. and S. 65° W.
32.73	Calculated point for the $1/4$ sec. cor. of sec 12 only, T. 30 N., R. 12 $1/2$ E. Point not monumented.
40.02	Point for the cor. of secs. 18 and 19 only, T. 30 N., R. 13 E., at proportionate dist. There is no remaining evidence of the orig. corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E R 13 E S 12 S 19
	2021
2	Deposit half a dozen 60D nails at the base of the stainless steel post.
	N. 0°01' W., bet. secs. 12 and 18, along the guide meridian.
	Over rolling land.
31.30	Trail road, bears N. 35° E. and S. 35° W.
32.71	Calculated point for the cor. of secs. 1 and 12 only, T. 30 N., R. 12 1/2 E. Point not monumented.
	Continuing measurement, bet. secs. 1 and 18.
40.02	The 1/4 sec. cor. of sec. 18 only, T. 30 N., R. 13 E., monumented with an iron post, 1 in. diam., loosely set, projecting 14 ins. above ground, bent over to the NE, with brass cap mkd. 1/4 S13 S18 1911.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.

	a Portion of the Third Guide Meridian East
CHAINS	
1	T 30 N
	R 12 1/2 E R 13 E
a	1/4 S 18
	!
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Remove remains of the iron post, 24 ins. long, from the field.
	N. 0°02' E., beginning new measurement.
10.7	Enter Coal Mine Canyon, descend approx. 250 ft.
	Ascend approx. 250 ft. along steep canyon sidewall, sloped down to the W.
32.69	Calculated point for the 1/4 sec. cor. of sec 1 only, T. 30 N., R. 12 1/2 E. Point not monumented.
35.1	Top of Coal Mine Canyon, bears southeasterly and northwesterly.
38.6	Enter Coal Mine Canyon, descend approx. 200 ft.
40.02	The cor. of secs. 7 and 18 only, T. 30 N., R. 13 E., monumented with an iron post, 36 ins. long, 3 ins. diam., lying loose above ground, with brass cap mkd. T30N R12E R13E S12 S7 S13 S18 1911.
	At the corner point
	Reset the orig. iron post, 33 ins. in the ground. Remove the marks R12E S12 S13 from the brass cap and add the marks R12 1/2E S1 2021.
	N. 0°02' E., bet. secs. 1 and 7, along the guide meridian.
	Over mountainous land, descending into Coal Mine Canyon.
4.5	Bottom of canyon.
24.85	Calculated point for the cor. of secs. 1 and 36 only, T. 30 N. and T. 31 N., R. 12 1/2 E. Point not monumented.
	Continuing measurement, bet. secs. 7 and 36.
	Ascend approx. 40 ft.
33.9	Top of ridge, bears N. 50° E. and S. 50° W.
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	a Portion of the Third Guide Meridian East
CHAINS	Descend approx. 60 ft.
40.02	The 1/4 sec. cor. of sec. 7 only, T. 31 N., R. 13 E., monumented with an iron post, 1 in. diam., firmly set, 6 ins. below ground, with brass cap mkd. 1/4 S12 S7 1911.
	Remove the marks S12 from the brass cap and add the marks T31N T30N R12 1/2E R13E 2021.
	Survey of the South Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
	From the calculated point for the cor. of secs. 1 and 36 only, T. 29 N. and T. 30 N., R. 12 1/2 E., on the Third Guide Meridian East.
	West, bet. secs. 1 and 36, along the S. bdy. of the Tp.
	Over gently rolling land.
40.00	Calculated point for the 1/4 sec. cor. of secs. 1 and 36. Point not monumented.
44.72	The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 94 1/2 and 95th mile cors.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 36 OLD HOOH CCC S 1 N T 29 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls along a barbed wire fence, bears N. and S.
	Leaving Hopi trust lands and entering Navajo trust lands.
80.00	Point for the cor. of secs. 1, 2, 35, and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
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Survey of the South Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	T 30 N R 12 1/2 E
	S 35 S 36
	S 2 S 1
	T 29 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post, alongside to the N.
	West, bet. secs. 2 and 35, along the S. bdy. of the Tp.
1.	Over gently rolling land.
13.60	Trail road, bears N. 75° E. and S. 75° W.
17.4	High voltage transmission line, bears N. 75° E. and S. 75° W.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 35 1/4 ——
	S 2
	T 29 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post, alongside to the N.
80.00	Point for the cor. of secs. 2, 3, 34, and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 34 S 35 S 3 S 2
€	T 29 N
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.

Survey of the South Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a steel fence post, alongside to the N.
	West, bet. secs. 3 and 34, along the S. bdy. of the Tp.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 34 1/4 —— S 3 T 29 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post, alongside to the N.
41.05	BIA 6720, graded road, 30 ft. wide, bears S. 10° E. and N. 10° W.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 33 S 34
п	S 4 S 3 T 29 N
:	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post, alongside to the N.
	West, bet. secs. 4 and 33, along the S. bdy. of the Tp.
	Over rolling land.
33.61	Point for the cor. of T. 29 N. and T. 30 N., R. 12 E. and R. 12 1/2 E.

Survey of the South Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

2021

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Set a steel fence post alongside, to the W.

From this cor., the cor. of T. 29 N. and T. 30 N., R. 9 E. and R. 10 E., bears West, 1440.36 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T30N R9E R10E S36 S31 S1 S6 T29N. Stones and petrified wood loose alongside. Add the marks 2021 to the brass cap.

Survey of the West Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

From the cor. of T. 29 N. and T. 30 N., R. 12 E. and R. 12 1/2 E., hereinbefore described.

North, bet. secs. 33 and 36, along the W. bdy. of the Tp.

Over gently rolling land.

40.00 | Point for the 1/4 sec. cor. of secs. 33 and 36.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

2021

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Set a steel fence post alongside, to the W.

40.70 Trail road, bears S. 75° E. and N. 75° W.

Survey of the West Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	
80.00	Point for the cor. of secs. 25, 28, 33, and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E S 25 S 28 S 36 S 33
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
ie .	Set a steel fence post alongside, to the W.
	North, bet. secs. 25 and 28, along the W. bdy. of the Tp.
	Over gently rolling land.
2.75	Trail road, bears N. 45° E. and S. 45° W.
7.25	Trail road, bears S. 80° E. and N. 80° W.
39.05	Trail road, bears N. 65° E. and S. 65° W.
40.00	Point for the $1/4$ sec. cor. of secs. 25 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E 1/4 S 25 S 28
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
R#IF	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 21, 24, 25, and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the West Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 30 N
	R 12 E R 12 1/2 E S 24 S 21
	S 25 S 28
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	North, bet. secs. 21 and 24, along the W. bdy. of the Tp.
_	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N
	R 12 E R 12 1/2 E
	1/4
	S 24 S 21
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
41.90	Trail road, bears N. 40° E. and S. 40° W.
80.00	Point for the cor. of secs. 13, 16, 21, and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E S 13 S 16 S 24 S 21
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
*	e a

Survey of the West Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Cor. is located SW of a single story house.
i i	North, bet. secs. 13 and 16, along the W. bdy. of the Tp.
	Over gently rolling land.
11.90	Trail road, bears S. 75° E. and N. 75° W.
29.66	Barbed wire fence, bears S. 30° E. and N. 30° W.
31.48	Barbed wire fence, bears N. 55° E. and S. 55° W.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E 1/4 S 13 S 16
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
43.20	Trail road, bears N. 50° E. and S. 50° W.
80.00	Point for the cor. of secs. 9, 12, 13, and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E S 12 S 9 S 13 S 16
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	North, bet. secs. 9 and 12, along the W. bdy. of the Tp. Over gently rolling land.

Survey of the West Boundary
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	1. 50 N., R. 12 1/2 E., GIIA and Balt River Melidian, introduction
CHAINS	Maril road board N 600 E and C 600 W
2.40	Trail road, bears N. 60° E. and S. 60° W.
30.30	Trail road, bears N. 60° E. and S. 60° W.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
2	T 30 N R 12 E R 12 1/2 E 1/4
	s 12 s 9
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
58.1	Underground waterline, bears N. 80° E. and S. 80° W.
77.30	Trail road, bears N. 45° E. and S. 45° W.
80.00	Point for the cor. of secs. 1, 4, 9, and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E S 1 S 4 S 12 S 9
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	North, bet. secs. 1 and 4, along the W. bdy. of the Tp.
	Over gently rolling land.
0.90	Graded road, 18 ft. wide, bears S. 40° E. and N. 40° W.
11.07	Barbed wire fence, bears S. 65° E. and N. 65° W.
12.50	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.

Survey of the West Boundary
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS 12.95	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
14.35	Barbed wire fence, bears S. 65° E. and N. 65° W.
15.0	Powerline, bears N. 55° E. and S. 55° W.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 4.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 E R 12 1/2 E 1/4 S 1 S 4
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
40.45	Trail road, bears S. 80° E. and N. 80° W.
48.55	Graded road, 12 ft. wide, bears N. 45° E. and S. 45° W.
72.18	Point for the cor. of T. 30 N. and T. 31 N., R. 12 E. and R. 12 1/2 E.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 31 N R 12 E R 12 1/2 E S 36 S 33 S 1 S 4 T 30 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From this cor., the cor. of secs. 5, 6, 31, and 32, T. 30 N. and T. 31 N., R. 12 E., bears West, 400.00 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd. T31N R12E S6 S5 S31 S32 T30N R12E 2003. Add the marks 2021 to the brass cap.

Survey of the North Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	From the calculated point for the cor. of secs. 1 and 36 only, T. 30 N. and T. 31 N., R. 12 $1/2$ E., on the Third Guide Meridian East.
	West, bet. secs. 1 and 36, along the N. bdy. of the Tp.
	Over gently rolling land, along the bottom of Coal Mine Canyon.
40.00	Calculated point for the 1/4 sec. cor. of secs. 1 and 36. Point not monumented.
44.74	The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 88 1/2 and 89th mile cors.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T 31 N R 12 1/2 E S 36 OF AM T 30 N
ī	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls alongside, to the W. of a barbed wire fence, bears N. and S.
	Leaving Hopi trust lands and entering Navajo trust lands.
54.8	Begin ascent, approx. 250 ft.
64.9	Top of Coal Mine Canyon, bears northeasterly and southwesterly.
79.6	Top of Coal Mine Canyon, bears N. 80° E. and S. 80° W.
80.00	True point for the cor. of secs. 1, 2, 35, and 36 falls along steep edge of Coal Mine Canyon. True point not monumented.
	From this point, the witness corner bears S. 0°01' W., 50 lks. dist., along the line bet. secs 1 and 2, hereinafter described.
	West, bet. secs. 2 and 35, along the N. bdy. of the Tp.
	Over mountainous land.
0.2	Top of Coal Mine Canyon, bears S. 50° E. and N. 50° W.
7.8	Enter Coal Mine Canyon, descend approx. 350 ft.

Survey of the North Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	
18.5	Bottom of Coal Mine Canyon.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 31 N R 12 1/2 E S 35 1/4 —— S 2 T 30 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
62.4	Begin ascent, approx. 400 ft.
77.3	Top of Coal Mine Canyon, bears N. 20° E. and S. 20° W.
78.80	Trail road, bears N. 10° E. and S. 10° W.
80.00	Point for the cor. of secs. 2, 3, 34, and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 31 N R 12 1/2 E S 34 S 35 S 3 S 2 T 30 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	West, bet. secs. 3 and 34, along the N. bdy. of the Tp.
	Over rolling land.
31.65	Trail road, bears N. 10° E. and S. 10° W.
37.00	Point for the witness corner for the 1/4 sec. cor. of secs. 3 and 34.

Survey of the North Boundary T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	WC
}	T 31 N R 12 1/2 E
	S 34
	1/4 (
1	T 30 N
	1 30 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
37.6	Enter Coal Mine Canyon, descend approx. 350 ft.
40.00	True point for the 1/4 sec. cor. of secs. 3 and 34 falls along steep edge of Coal Mine Canyon. Point not monumented.
	Continue descent.
	Over mountainous land with deep ravines, draining northeasterly.
80.00	True point for the cor. of secs. 3, 4, 33, and 34 falls along steep canyon wall, sloped down to the NW. True point not monumented.
	From this point, the witness corner bears S. 32°54' W., 9.53 chs. dist.
	At the nearest stable position, atop a narrow cliff overlooking Coal Mine Canyon, set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	WC
	T 31 N R 12 1/2 E
	S 33 S 34
	S 4 S 3
	/
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	West, bet. secs. 4 and 33, along the N. bdy. of the Tp.
871	

Survey of the North Boundary
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Over mountainous land with deep ravines, draining northeasterly.
13.3	Begin ascent out of Coal Mine Canyon, approx. 300 ft.
25.5	Top of Coal Mine Canyon, bears northeasterly and southwesterly.
32.30	Trail road, bears S. 45° E. and N. 45° W.
33.32	The cor. of T. 30 N. and T. 31 N., R. 12 E. and R. 12 1/2 E., hereinbefore described.
	Survey of the Subdivisional Lines T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., hereinbefore described.
	N. 0°01' W., bet. secs. 35 and 36.
	Over rolling land.
4.05	Trail road, bears N. 75° E. and S. 75° W.
5.1	High voltage transmission line, bears N. 75° E. and S. 75° W.
40.00	Point for the 1/4 sec. cor. of secs. 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 35 S 36
i.	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 25, 26, 35, and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
di .	

	T. 30 N., R. 12 1/2 E., Gila and Sait River Meridian, Arizona
CHAINS	
	T 30 N R 12 1/2 E
	S 26 S 25
	S 35 S 36
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the calculated point for the cor. of secs. 25 and 36 only, on the Third Guide Meridian, hereinbefore described.
	West, bet. secs. 25 and 36.
	Over rolling land.
40.00	Calculated point for the 1/4 sec. cor. of secs. 25 and 36. Point not monumented.
44.74	The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 93 1/2 and 94th mile cors.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 25 OF HOOH CCC
	S 36 Z
	S 36 \(\overline{\overline
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls alongside, to the W. of a barbed wire fence, bears N. and S.
	Leaving Hopi trust lands and entering Navajo trust lands.
80.01	The cor. of secs. 25, 26, 35, and 36.
	N. 0°01' W., bet. secs. 25 and 26.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 26.
×	

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins.
	in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4
	S 26 S 25
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 23, 24, 25, and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 23 S 24
	S 26 S 25
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
5	Set a steel fence post alongside, to the W.
	From the calculated point for the cor. of secs. 24 and 25 only, on the Third Guide Meridian, hereinbefore described.
	West, bet. secs. 24 and 25.
	Over gently rolling land.
40.01	Calculated point for the 1/4 sec. cor. of secs. 24 and 25. Point not monumented.
44.75	The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 92 1/2 and 93rd mile cors.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.
82.03	

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	T 20 Y D 10 1/0 F
	T 30 N R 12 1/2 E S 24
	CCC S 25 Q H
	S 25 Oft
	NAV H
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
*	Cor. falls along a barbed wire fence, bears N. and S.
}	Leaving Hopi trust lands and entering Navajo trust lands.
80.02	The cor. of secs. 23, 24, 25, and 26.
	N. 0°01' W., bet. secs. 23 and 24.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 23 S 24
	2021
9	Deposit half a dozen 60D nails at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 13, 14, 23, and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 14 S 13
	S 23 S 24
	2021
2	

	T. 30 N., R. 12 1/2 E., Gila and Sait River Meridian, Arizona
CHAINS	Deposit half a dozen 60D nails at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the calculated point for the cor. of secs. 13 and 24 only, on the Third Guide Meridian, hereinbefore described.
	West, bet. secs. 13 and 24.
	Over gently rolling land.
40.00	Calculated point for the $1/4~{\rm sec.}$ cor. of secs. 13 and 24. Point not monumented.
44.73	The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 91 1/2 and 92nd mile cors.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 13 OVA DDI
:	T 30 N R 12 1/2 E S 13 OPT AVN CCC S 24 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls along a barbed wire fence, bears N. and S.
	Leaving Hopi trust lands and entering Navajo trust lands.
80.00	The cor. of secs. 13, 14, 23, and 24.
	N. 0°01' W., bet. secs. 13 and 14.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 14.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 14 S 13
2	2021
1	

Deposit half a dozen 60D nails at the base of the stainless steel post.
Set a steel fence post alongside, to the W.
Barbed wire fence, bears S. 65° E. and N. 65° W.
Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
Barbed wire fence, bears S. 65° E. and N. 65° W.
Point for the cor. of secs. 11, 12, 13, and 14.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
T 30 N R 12 1/2 E
$ \begin{array}{c cccccccccccccccccccccccccccccccccc$
'
2021
Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
Set a steel fence post alongside, to the W.
From the calculated point for the cor. of secs. 12 and 13 only, on the Third Guide Meridian, hereinbefore described.
West, bet. secs. 12 and 13.
Over rolling land.
Begin ascent, approx. 70 ft.
Top of Mesa, bears southeasterly and northwesterly.
Calculated point for the $1/4~{\rm sec.}$ cor. of secs. 12 and 13. Point not monumented.
The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 90 1/2 and 91st mile cors.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	T 30 N R 12 1/2 E S 12 CCC S 13 OHA VA OH VA VA 2021 Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls along a barbed wire fence, bears N. and S.
	Leaving Hopi trust lands and entering Navajo trust lands.
79.99	The cor. of secs. 11, 12, 13, and 14.
	N. 0°01' W., bet. secs. 11 and 12.
	Over rolling land.
23.3	Top of Mesa, bears easterly and westerly.
	Descend approx. 50 ft.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 11 S 12
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
78.0	Wash, 6 ft. wide, 3 ft. deep, drains northeasterly.
80.00	Point for the cor. of secs. 1, 2, 11, and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

CHAINS	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
	T 30 N R 12 1/2 E
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	S 11 S 12
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the calculated point for the cor. of secs. 1 and 12 only, on the Third Guide Meridian, hereinbefore described.
	West, bet. secs. 1 and 12.
	Over rolling land.
20.0	Descend into Coal Mine Canyon, approx. 350 ft.
	Begin ascent.
34.2	Top of Coal Mine Canyon, bears northerly and southerly.
39.99	Calculated point for the 1/4 sec. cor. of secs. 1 and 12. Point not monumented.
44.71	The crossing closing corner at intersection with the Hopi Indian Reservation Boundary, bet. the 89 1/2 and 90th mile cors.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 1 OF H CCC S 12 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls along a barbed wire fence, bears N. and S.
	Leaving Hopi trust lands and entering Navajo trust lands.
78.8	Wash, 6 ft. wide, 3 ft. deep, drains northeasterly.
79.97	The cor. of secs. 1, 2, 11, and 12.
13.31	

Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	N. 0°01' W., bet. secs. 1 and 2.
×	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 2.
10.00	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 2 S 1
	2021
ē t	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
71.68	Point for the witness corner for the cor. of secs. 1, 2, 35, and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	WC T 31 N R 12 1/2 E S 35 \(\sigma \) S 36 S 2 S 1 T 30 N
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the S.
72.1	Top of Coal Mine Canyon, bears N. 80° E. and S. 80° W.
	Begin descent.
72.18	True point for the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp., hereinbefore described. Point not monumented.
	From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., hereinbefore described.
	N. 0°01' W., bet. secs. 34 and 35.
	Over gently rolling land.
	Top of Coal Mine Canyon, bears N. 80° E. and S. 80° W. Begin descent. True point for the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp., hereinbefore described. Point not monumented. From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., hereinbefore described. N. 0°01' W., bet. secs. 34 and 35.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	
40.00	Point for the 1/4 sec. cor. of secs. 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	1/4 S 34 S 35
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
7C	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 26, 27, 34, and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 27 S 26
	S 34 S 35
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 25, 26, 35, and 36.
	West, bet. secs. 26 and 35.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 35.
ū	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 26
	1/4 S 26 S 35
	2021
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Т	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	The cor. of secs. 26, 27, 34, and 35.
	N. 0°01' W., bet. secs. 26 and 27.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 27.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 27 S 26
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
	Set a steel fence post alongside, to the E.
80.00	Point for the cor. of secs. 22, 23, 26, and 27.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 22 S 23 S 27 S 26
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 23, 24, 25, and 26.
	West, bet. secs. 23 and 26.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 26.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 23 1/4 —— S 26
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
80.00	The cor. of secs. 22, 23, 26, and 27.
	N. 0°01' W., bet. secs. 22 and 23.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 22 S 23
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 14, 15, 22, and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 15 S 14 S 22 S 23
	2021
	Deposit half a dozen 60D nails at the base of the stainless steel post.
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Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a steel fence post alongside, to the W.
	From the cor. of secs. 13, 14, 23, and 24.
l	West, bet. secs. 14 and 23.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 14 1/4 —— S 23
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
80.00	The cor. of secs. 14, 15, 22, and 23.
	N. 0°01' W., bet. secs. 14 and 15.
	Over gently rolling land.
0.35	Trail road, bears N. 50° E. and S. 50° W.
19.5	Underground water line, bears N. 75° E. and S. 75° W.
38.45	Trail road, bears N. 40° E. and S. 40° W.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	S 15 S 14
	2021

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 10, 11, 14, and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 10 S 11
	S 15 S 14
	2021
2	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 11, 12, 13, and 14.
i.	West, bet. secs. 11 and 14.
	Over rolling land.
0.24	Barbed wire fence, bears S. 65° E. and N. 65° W.
3.20	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
4.10	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
7.11	Barbed wire fence, bears S. 65° E. and N. 65° W. F573500
35.45	Trail road, bears N. 25° E. and S. 25° W.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 14.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 11 1/4
	2021
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Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
45.55	Trail road, bears N. 55° E. and S. 55° W.
62.6	Underground water line, bears S. 35° E. and N. 35° W.
80.00	The cor. of secs. 10, 11, 14, and 15.
	N. 0°01' W., bet. secs. 10 and 11.
	Over rolling land.
3.68	Chain-link fence, 5 ft. high, bears N. 20° E. and S. 20° W.
	Entering Navajo Community
8.57	Chain-link fence, 5 ft. high, bears S. 25° E. and N. 25° W.
	Leaving Navajo Community
36.44	Barbed wire fence, bears S. 65° E. and N. 65° W.
37.85	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
38.55	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.
39.88	Barbed wire fence, bears S. 65° E. and N. 65° W.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	1/4 S 10 S 11
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
40.6	Power line, bears S. 65° E. and N. 65° W.
80.00	Point for the cor. of secs. 2, 3, 10, and 11.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 3 S 2 S 10 S 11
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 1, 2, 11, and 12.
	West, bet. secs. 2 and 11.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 2 1/4 —— S 11
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
:	Set a steel fence post alongside, to the ${\tt N}$.
78.40	Trail road, bears S. 10° E. and N. 10° W.
80.00	The cor. of secs. 2, 3, 10, and 11.
	N. 0°01' W., bet. secs. 2 and 3.
	Over rolling land.
23.8	Top of Coal Mine Canyon, bears easterly and easterly.
	Over mountainous land, along a steep edge of the canyon, sloped down to the E.
36.8	Top of Coal Mine Canyon, bears northeasterly and southwesterly.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 3. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 3 S 2
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
48.3	Top of Coal Mine Canyon, bears southeasterly and northwesterly.
	Over mountainous land, along a steep edge of the canyon, sloped down to the E.
57.3	Top of Coal Mine Canyon, bears easterly and westerly.
72.18	The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., hereinbefore described.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., hereinbefore described.
	N. 0°02' W., bet. secs. 33 and 34.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 33 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 33 S 34
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 27, 28, 33, and 34.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 28 S 27 S 33 S 34
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 26, 27, 34, and 35.
	West, bet. secs. 27 and 34.
	Over gently rolling land.
37.65	BIA 6720, graded road, 30 ft. wide, bears N. 5° E. and S. 5° W.
40.00	Point for the 1/4 sec. cor. of secs. 27 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 27
	1/4 —— S 34
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
76.30	Trail road, bears S. 80° E. and N. 80° W.
80.00	The cor. of secs. 27, 28, 33, and 34.
	West, bet. secs. 28 and 33.
	Over gently rolling land.
33.56	The cor. of secs. 25, 28, 33, and 36, on the W. bdy. of the Tp, hereinbefore described.
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	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	From the cor. of secs. 27, 28, 33, and 34.
	N. 0°02' W., bet. secs. 27 and 28.
	Over rolling land.
0.70	Trail road, bears S. 80° E. and N. 80° W.
40.00	Point for the 1/4 sec. cor. of secs. 27 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E 1/4 S 28 S 27
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
80.00	Point for the cor. of secs. 21, 22, 27, and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 21 S 22 S 28 S 27
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 22, 23, 26, and 27.
	West, bet. secs. 22 and 27.
ž)	Over gently rolling land.
32.40	BIA 6720, graded road, 30 ft. wide, bears N. 5° E. and S. 5° W.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 27.
8	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	T 20 N D 12 1/2 E
	T 30 N R 12 1/2 E S 22
	1/4
	. S 27
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the N.
77.40	Trail road, bears N. 25° E. and S. 25° W.
80.00	The cor. of secs. 21, 22, 27, and 28.
	West, bet. secs. 21 and 28.
	Over gently rolling land.
33.51	The cor. of secs. 21, 24, 25, and 28, on the W. bdy. of the Tp, hereinbefore described.
	From the cor. of secs. 21, 22, 27, and 28.
	N. 0°02' W., bet. secs. 21 and 22.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 32 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E
	1/4
	S 21 S 22
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post to the S., approx. 15 lks. dist.
	Cor. falls along a trail road, bears N. 45° E. and S. 45° W.
40.63	Barbed wire fence, bears N. 45° E. and S. 45° W.
63.58	Barbed wire fence, bears S. 45° E. and N. 45° W.
	Enter tilled land.

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
CHAINS	
77.49	Barbed wire fence, bears N. 45° E. and S. 45° W.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 16 S 15 S 21 S 22
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post alongside, to the W.
	From the cor. of secs. 14, 15, 22, and 23.
	West, bet. secs. 15 and 22.
	Over gently rolling land.
0.45	Trail road, bears N. 50° E. and S. 50° W.
28.35	BIA 6720, graded road, 30 ft. wide, bears N. 5° E. and S. 5° W.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 22.
No.	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 30 N R 12 1/2 E S 15 1/4 ——
	S 22
	2021
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
8	Set a steel fence post alongside, to the N.
	Cor. falls S. 70° E., 25 lks. dist. from intersection of trail roads, bears N. 70° E., S. 65° W., and N. 85° W.
62.48	Barbed wire fence, bears S. 45° E. and N. 45° W.
	Enter tilled land

Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona
Barbed wire fence, bears N. 75° E. and S. 75° W.
The cor. of secs. 15, 16, 21, and 22.
West, bet. secs. 16 and 21.
Over gently rolling land.
The cor. of secs. 13, 16, 21, and 24, on the W. bdy. of the Tp,
hereinbefore described.
From the cor. of secs. 15, 16, 21, and 22.
N. 0°02' W., bet. secs. 15 and 16.
Over gently rolling land.
Point for the 1/4 sec. cor. of secs. 15 and 16.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
T 30 N R 12 1/2 E
1/4 S 16 S 15
' · · · · · · · · · · · · · · · · · · ·
2021
Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
Set a steel fence post alongside, to the W.
Trail road, bears N. 45° E. and S. 45° W.
Point for the cor. of secs. 9, 10, 15, and 16.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
T 30 N R 12 1/2 E
S 9 S 10
S 16 S 15
2021
Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
Set a steel fence post alongside, to the W.

Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 50 N., R. 12 1/2 E., Gila and Sait River Meridian, Alizona		
CHAINS	From the cor. of secs. 10, 11, 14, and 15.		
	West, bet. secs. 10 and 15.		
	Over gently rolling land.		
0.83	Chain-link fence, 5 ft. high, bears N. 5° E. and S. 5° W. Entering Navajo community.		
19.49	Chain-link fence, 5 ft. high, bears N. 5° E. and S. 5° W.		
	Leaving Navajo community.		
23.10	BIA 6720, graded road, 30 ft. wide, bears N. 5° E. and S. 5° W.		
24.8	Underground water line, bears N. 5° E. and S. 5° W.		
27.95	Chain-link fence, 5 ft. high, bears N. 5° E. and S. 5° W.		
	Entering Navajo community.		
38.42	Chain-link fence, 5 ft. high, bears N. 25° E. and S. 25° W. Leaving Navajo community.		
39.1	Power line, bears N. 25° E. and S. 25° W.		
40.00	Point for the 1/4 sec. cor. of secs. 10 and 15.		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.		
	T 30 N R 12 1/2 E		
	S 10 1/4 ——		
	S 15		
	2021		
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.		
	Set a steel fence post alongside, to the N.		
47.90	Trail road, bears N. 45° E. and S. 45° W.		
80.00	The cor. of secs. 9, 10, 15, and 16.		
	West, bet. secs. 9 and 16.		
	Over gently rolling land.		

Survey of the Subdivisional Lines
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona	
CHAINS 33.41	The cor. of secs. 9, 12, 13, and 16, on the W. bdy. of the Tp, hereinbefore described.	
	From the cor. of secs. 9, 10, 15, and 16.	
	N. 0°02' W., bet. secs. 9 and 10.	
	Over gently rolling land.	
27.7	Underground water line, bears S. 15° E. and N. 15° W.	
30.9	Underground water line, bears N. 80° E. and S. 80° W.	
40.00	Point for the 1/4 sec. cor. of secs. 9 and 10.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.	
	T 30 N R 12 1/2 E 1/4 S 9 S 10	
	2021	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Set a steel fence post alongside, to the W.	
45.60	Graded road, 18 ft. wide, bears S. 45° E. and N. 45° W.	
70.5	Underground water line, bears N. 50° E. and S. 50° W.	
76.38	Barbed wire fence, bears S. 65° E. and N. 65° W.	
77.85	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
78.30	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
79.72	Barbed wire fence, bears S. 65° E. and N. 65° W.	
80.00	Point for the cor. of secs. 3, 4, 9, and 10.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.	

	1. July 1. 12 1/2 1., Gira and Batt River Meridian, Arrabat			
CHAINS	T 30 N R 12 1/2 E S 4 S 3 S 9 S 10			
	2021			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
	Set a steel fence post alongside, to the W.			
	From the cor. of secs. 2, 3, 10, and 11.			
	West, bet. secs. 3 and 10.			
	Over rolling land.			
40.00	Point for the 1/4 sec. cor. of secs. 3 and 10.			
* 1	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.			
	T 30 N R 12 1/2 E S 3 1/4			
	2021			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
	Set a steel fence post alongside, to the N.			
59.7	Underground water line, bears S. 40° E. and N. 40° W. WL421600			
68.15	Graded road, 12 ft. wide, bears N. 35° E. and S. 35° W.			
70.4	Underground water line, bears N. 55° E. and S. 55° W.			
79.1	Power line, bears S. 65° E. and N. 65° W.			
80.00	The cor. of secs. 3, 4, 9, and 10.			
	West, bet. secs. 4 and 9.			
	Over rolling land.			
0.57	Barbed wire fence, bears S. 65° E. and N. 65° W.			
<i>8</i> c	*· * *			

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona	
CHAINS		
3.75	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
4.80	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
8.06	Barbed wire fence, bears S. 65° E. and N. 65° W.	
32.60	Graded road, 18 ft. wide, bears S. 45° E. and N. 45° W.	
33.37	The cor. of secs. 1, 4, 9, and 12, on the W. bdy. of the Tp., hereinbefore described.	
	From the cor. of secs. 3, 4, 9, and 10.	
	N. 0°02' W., bet. secs. 3 and 4.	
	Over rolling land.	
0.4	Power line, bears S. 65° E. and N. 65° W.	
25.3	Underground water line, bears S. 70° E. and N. 70° W.	
38.00	Point for the witness corner for the 1/4 sec. cor. of secs. 3 and 4.	
t t	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.	
	WC T 30 N R 12 1/2 E 1/4 S 4 S 3	
	2021	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Set a steel fence post alongside, to the W.	
38.1	Descend into Coal Mine Canyon, approx. 250 ft.	
40.00	True point for the 1/4 sec. cor. of secs. 3 and 4 falls along steep canyon wall, sloped down to the N. Point not monumented.	
50.0	Bottom of the canyon.	
	Over mountainous land.	
8		

	1. 30 M., A. 12 1/2 E., Gila and Balt Rivel Melidian, Alizona			
CHAINS 72.18	Calculated point for the cor. of secs. 3, 4, 33, and 34 falls along steep canyon wall, sloped down to the NW. True point not monumented.			
	From this point, the witness corner bears S. 32°54' W., 9.53 chs. dist., hereinbefore described.			
	Subdivision of Section 3, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizon			
	From the 1/4 sec. cor. of secs. 3 and 10.			
	N. 0°02' W., on the N. and S. center line of sec. 3.			
	Over rolling land.			
40.00	Point for the center $1/4$ sec. cor. of sec. 3, at intersection with the E. and W. center line of sec. 3.			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.			
	T 30 N R 12 1/2 E C 1/4 S 3			
	2021			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
	Set a steel fence post alongside, to the W.			
67.0	Top of Coal Mine Canyon, bears northeasterly and southwesterly.			
	Begin descent.			
72.18	The calculated point for the 1/4 sec. cor. of secs. 3 and 34, on the N. bdy. of the Tp.			
	From the 1/4 sec. cor. of secs. 2 and 3.			
	West, on the E. and W. center line of sec. 3.			
2.75	Trail road, bears S. 10° E. and N. 10° W.			
40.00	The center 1/4 sec. cor. of sec. 3.			
58.9	Top of Coal Mine Canyon, bears northeasterly and southwesterly.			
	Over mountainous land, along a steep edge of the canyon, sloped down to the N.			

Subdivision of Section 3, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	1. 30 N., R. 12 1/2 E., Gila and Sait River Meridian, Arizona		
CHAINS 70.3	Top of Coal Mine Canyon, bears southeasterly and northwesterly.		
	Over rolling land.		
77.3	Top of Coal Mine Canyon, bears northeasterly and southwesterly.		
	Begin descent.		
80.00	The calculated point for the 1/4 sec. cor. of secs. 3 and 4.		
	Subdivision of Section 10, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona		
	From the 1/4 sec. cor. of secs. 10 and 15.		
	N. 0°02' W., on the N. and S. center line of sec. 10.		
	Over rolling land.		
2.7	Power line, bears S. 65° E. and N. 65° W.		
4.4	Underground water line, bears N. 85° E. and S. 85° W.		
9.0	Underground sanitary sewer line, bears S. 65° E. and N. 65° W.		
14.4	Underground sanitary sewer line, bears N. 25° E. and S. 25° W.		
15.2	Power line, bears N. 25° E. and S. 25° W.		
26.9	Underground sanitary sewer line, bears S. 65° E. and N. 65° W.		
27.40	Graded road, 18 ft. wide, bears S. 70° E. and N. 75° W.		
37.75	Trail road, bears N. 80° E. and S. 80° W.		
40.00	Point for the center 1/4 sec. cor. of sec. 10, at intersection with the E. and W. center line of sec. 10.		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.		
	T 30 N R 12 1/2 E C 1/4 S 10		
	2021		
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.		
	Set a steel fence post alongside, to the W.		
56.42	Barbed wire fence, bears S. 65° E. and N. 65° W.		

Subdivision of Section 10, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona	
CHAINS 57.95	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
58.40	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
59.84	Barbed wire fence, bears S. 65° E. and N. 65° W.	
60.5	Power line, bears S. 65° E. and N. 65° W.	
80.00	The 1/4 sec. cor. of secs. 3 and 10.	
i i	From the 1/4 sec. cor. of secs. 10 and 11.	
	West, on the E. and W. center line of sec. 10.	
0.24	Barbed wire fence, bears S. 65° E. and N. 65° W.	
2.95	Northeasterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
4.30	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
7.14	Barbed wire fence, bears S. 65° E. and N. 65° W.	
21.65	BIA 6720, paved road, 30 ft. wide, bears N. 25° E. and S. 25° W.	
40.00	The center 1/4 sec. cor. of sec. 10.	
47.7	Underground sanitary sewer line, bears S. 15° E. and N. 15° W.	
74.60	Graded road, 18 ft. wide, bears S. 45° E. and N. 45° W.	
80.00	The 1/4 sec. cor. of secs. 9 and 10.	
	Subdivision of Section 11, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona	
	From the 1/4 sec. cor. of secs. 11 and 14.	
	N. 0°01' W., on the N. and S. center line of sec. 11.	
	Over rolling land.	
4.0	Trail road, bears S. 75° E. and N. 75° W.	
16.45	Barbed wire fence, bears N. 55° E. and S. 55° W.	
17.95	Southwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
	The state of the s	

Subdivision of Section 11, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona	
CHAINS		
18.40	Northwesterly edge of pavement, Arizona State Route No. 264, bears S. 65° E. and N. 65° W.	
19.89	Barbed wire fence, bears N. 55° E. and S. 55° W.	
24.6	Top of Mesa, bears easterly and westerly.	
	Descend approx. 40 ft.	
40.00	Point for the center 1/4 sec. cor. of sec. 11, at intersection with the E. and W. center line of sec. 11.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.	
•	T 30 N R 12 1/2 E C 1/4 S 11	
	2021	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Set a steel fence post alongside, to the W.	
80.00 The 1/4 sec. cor. of secs. 2 and 11.		
	From the 1/4 sec. cor. of secs. 11 and 12.	
	West, on the E. and W. center line of sec. 11.	
1.4	Ravine, drains northerly.	
40.00	The center 1/4 sec. cor. of sec. 11.	
78.9	Power line, bears S. 65° E. and N. 65° W.	
80.00	The 1/4 sec. cor. of secs. 10 and 11.	
:	Subdivision of Section 14, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona	
From the 1/4 sec. cor. of secs. 14 and 23.		
	N. 0°01' W., on the N. and S. center line of sec. 14.	
	Over rolling land.	
40.00	Point for the center 1/4 sec. cor. of sec. 14, at intersection with the E. and W. center line of sec. 14.	

Subdivision of Section 14,
T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona		
CHAINS	Set a stainless steel nest 20 ins lens 2 1/2 ins diem 25 ins		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.		
	T 30 N R 12 1/2 E C 1/4 S 14		
2021			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.		
	Set a steel fence post alongside, to the W.		
80.00	The 1/4 sec. cor. of secs. 11 and 14.		
	From the 1/4 sec. cor. of secs. 13 and 14.		
	West, on the E. and W. center line of sec. 14.		
40.00	The center 1/4 sec. cor. of sec. 14.		
63.0	Underground water line, bears N. 5° E. and S. 5° W.		
78.70	Trail road, bears N. 40° E. and S. 40° W.		
80.00	The 1/4 sec. cor. of secs. 14 and 15.		
	Subdivision of Section 15, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona		
	From the 1/4 sec. cor. of secs. 15 and 22.		
	N. 0°01' W., on the N. and S. center line of sec. 15.		
	Over rolling land.		
10.8	Underground water line, bears N. 80° E. and S. 80° W.		
40.00	Point for the center 1/4 sec. cor. of sec. 15, at intersection with the E. and W. center line of sec. 15.		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.		
T 30 N R 12 1/2 E C 1/4 S 15			
	2021		

Subdivision of Section 15, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona		
CHAINS	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.		
	Set a steel fence post alongside, to the W.		
68.8	Power line, bears S. 65° E. and N. 65° W.		
74.51	Barbed wire fence, bears S. 65° E. and N. 65° W.		
	Entering Navajo community.		
76.84	Barbed wire fence, bears N. 25° E. and S. 25° W.		
	Leaving Navajo Community.		
78.2	Power line, bears N. 25° E. and S. 25° W.		
80.00	The 1/4 sec. cor. of secs. 10 and 15.		
	Exam the 1/4 gag gay of gags 14 and 15		
	From the 1/4 sec. cor. of secs. 14 and 15.		
	West, on the E. and W. center line of sec. 15.		
24.30	BIA 6720, graded road, 30 ft. wide, bears N. 5° E. and S. 5° W.		
40.00	The center 1/4 sec. cor. of sec. 15.		
80.00	The 1/4 sec. cor. of secs. 15 and 16.		
	Subdivision of Section 23, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona		
	From the 1/4 sec. cor. of secs. 23 and 26. N. 0°01' W., on the N. and S. center line of sec. 23.		
	Over rolling land.		
38.95	Trail road, bears S. 70° E. and N. 70° W.		
40.00	Point for the center 1/4 sec. cor. of sec. 23, at intersection with the E. and W. center line of sec. 23.		
-G	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.		
	T 30 N R 12 1/2 E C 1/4 S 23		
	2021		

Subdivision of Section 23, T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona

	T. 30 N., R. 12 1/2 E., Gila and Salt River Meridian, Arizona			
CHAINS				
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
	Set a steel fence post alongside, to the W.			
80.00	The 1/4 sec. cor. of secs. 14 and 23.			
	From the 1/4 sec. cor. of secs. 23 and 24.			
	West, on the E. and W. center line of sec. 23.			
40.00	The center 1/4 sec. cor. of sec. 23.			
42.70	Trail road, bears S. 70° E. and N. 70° W.			
80.00	The 1/4 sec. cor. of secs. 22 and 23.			
	GENERAL DESCRIPTION			
The area surveyed is located in Coconino County, along Ariz State Route 264, approximately 15 miles southeast of the town Tuba City, Arizona. Elevations range from about 5,300 ft. to 6, ft. above sea level.				
	Primary access is provided via Arizona State Route 264 and BIA Route 6720. Additional unmarked graded and trail roads offer secondary access.			
	The terrain ranges from gently rolling to rolling throughout more of the township. However, it becomes more rugged on the north so of Arizona State Route 264 with Coal Mine Canyon cutting in portions of Sections 1 through 4. Under growth is minimal agenerally limited to sage brush and native grasses with timbeing virtually absent.			
	A small residential community spans portions of sections 10, 11, and 15. The Coal Mine Canyon Chapter House of the Navajo Nation is located within the southeast quarter of section 10 and a septic lagoon facility which services said community is situated in the northwest quarter of the same section. A high voltage transmission line runs through sections 35 and 36. Layered coal deposits are evident along portions of the canyon walls in sections 1 through 4.			
	The mean magnetic declination of 10° E. was derived from the National Oceanic and Atmospheric Administration computer program GEOMAG, utilizing the World Magnetic Model 2020 for the dates of survey.			
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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
José Colón Rodriguez	Land Surveyor
Rosendo Ramos Serrano	Land Surveyor
Charles E. Besancon III	Surveying Technician
Mark R. Searles	Surveying Technician
	-
	1

CERTIFICATE OF SURVEY

I, Marshall Steele Wixom, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing date of the 3rd day of May, 2021. I have dependently resurveyed a portion of the Hopi Indian Reservation Boundary, a portion of the Third Guide Meridian East, surveyed the south, west, and north boundaries, the subdivisional lines, and subdivided certain sections, Township 30 North, Range 12 1/2 East, of the Gila and Salt River Meridian, in the State of Arizona. Which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

4-28-2022 (Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Hopi Indian Reservation Boundary, a portion of the Third Guide Meridian East, survey of the south, west, and north boundaries, the subdivisional lines, and subdivision of certain sections, Township 30 North, Range 12 1/2 East, Gila and Salt River Meridian, in the State of Arizona, executed by Marshall Steele Wixom, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

5/3/2022 (Date)	(Chief Jadastral Surveyor of Arizona)
	CERTIFICATE OF TRANSCRIPT
	ng transcript of the field notes of the above described 2 1/2 E., Gila and Salt River Meridian, Arizona, is a field notes.
(Date)	(Chief Cadastral Surveyor of Arizona)