

ORIGINAL

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,

**TOWNSHIP 5 NORTH, RANGE 10 WEST,**

OF THE NAVAJO SPECIAL MERIDIAN,

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

A PORTION OF THE SUBDIVISIONAL LINES,

THE SUBDIVISION OF CERTAIN SECTIONS,

AND

METES-AND-BOUNDS SURVEYS OF PORTIONS OF THE

CANYON DE CHELLY NATIONAL MONUMENT BOUNDARY,

**PARTIALLY SURVEYED TOWNSHIP 31 NORTH, RANGE 27 EAST,**

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Fabian Yazzie, Cadastral Surveyor**

**Blas J. Urena, Cadastral Surveyor**

Under Special Instructions dated November 20, 2018, approved November 21, 2018, and under Amended Special Instructions dated August 10, 2020, approved August 10, 2020, which provided for the surveys included under Group No. 1190, and assignments instructions dated November 13, 2018, and July 15, 2020.

**Survey commenced November 29, 2018**

**Survey completed September 3, 2020**

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## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the dependent resurvey of a portion of the east boundary, Township 5 North, Range 10 West, Navajo Special Meridian, the survey of the south, east, and north boundaries, a portion of the subdivisional lines, and the subdivision of certain sections, and metes-and-bounds surveys of portions of the Canyon De Chelly National Monument boundary, Township 31 North, Range 27 East, Gila and Salt River Meridian, Arizona.

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

The lands occupied by Township 31 North, Range 27 East, Gila and Salt River Meridian, Arizona, were originally portions of partially surveyed Township 5 North, Range 10 West, portions of partially surveyed Township 4 North, Range 10 West, portions of partially surveyed Township 5 North, Range 9 West, and portions of partially surveyed Township 4 North, Range 9 West, all of the Navajo Special Meridian, Arizona. In a memorandum dated November 28, 1994, from the Chief Cadastral Surveyor of Arizona, a notice of cancellation of surveys, for certain Townships of the Navajo Special Meridian was issued. Exempt from the cancellation, are the dependent resurveys and subdivision of certain sections, in Township 5 North, Range 10 West, Navajo Special Meridian, Arizona, executed by John L. Warboys, Cadastral Engineer, Ty White, Assistant Cadastral Engineer, and Claude F. Warner, Transitman and Assistant Cadastral Engineer, in 1942 (Book 4288). Also exempt from cancellation, was the dependent resurvey of portions of the North boundary (First Standard Parallel North), East Boundary and subdivisional lines, the completion Survey of a portion of the subdivisional lines, and subdivision of section 16, Township 5 North, Range 10 West, Navajo Special Meridian, Arizona, executed by Leonard R. Sandoval, Cadastral Surveyor, in 1992 (Book 5414).

Ehud N. Darling, United States Deputy Surveyor and Astronomer, surveyed the north boundary (First Standard Parallel North), the south, east, and west boundaries, and a portion subdivisional lines, Township 5 North, Range 10 West, Navajo Special Meridian, Arizona, in 1869 (Books 1937, 1943, and 1953).

Steve D. Cully, Cadastral Surveyor, surveyed the east and north boundaries, and subdivisional lines of Township 30 North, Range 26 East, Gila and Salt River Meridian, Arizona, in 1991 (Book 5376).

William F. Olver, Supervisory Cadastral Surveyor, surveyed the east and north boundaries, and subdivisional lines of Township 31 North, Range 26 East, Gila and Salt River Meridian, Arizona, in 1992 and 1993 (Book 5421).

Leonard R. Sandoval, Cadastral Surveyor, surveyed the south boundary (Seventh Standard Parallel North), the east and north boundaries and the subdivisional lines of Township 29 North, Range 27 East, Gila and Salt River Meridian, Arizona, in 2003 (Book 5737).

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

Presidential Proclamation No. 1945, dated April 1, 1931, established the Canyon De Chelly National Monument, within the Navajo Indian Reservation, Arizona.

Presidential Proclamation No. 2036, dated March 3, 1933, modified the Canyon De Chelly National Monument Boundaries and redescribed as the following: "All lands in Del Muerto, De Chelly, and Monument Canyons, and the canyons tributary thereto, and the lands within one-half mile of the rims of the said canyons, situated in unsurveyed townships 4 and 5 north, range 7 west; townships 4, 5, and 6 north, range 8 west; townships 4 and 5 north, range 9 west; and in surveyed townships 4 and 5 north, range 6 west; townships 3, 6, and 7 north, range 7 west; township 6 north, range 9 west; and township 5 north, range 10 west; embracing about eighty-three thousand eight hundred and forty acres, all of the Navajo meridian, in Arizona".

The plan for extending the Gila and Salt River Meridian rectangular survey system over the unsurveyed lands in Township 31 North, Range 27 East, is found in the Bureau of Land Management, Arizona Protraction Diagram No. 79, signed August 6, 2003.

Canyon De Chelly National Monument hereinafter known as CDCNM. At the request of the Navajo Nation no monuments were set within the Canyon De Chelly.

The steel "T" posts referred to in these notes are 60 inches long.

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 November 20, 2018, and the Amended Special Instructions dated August 10, 2020, for Group Number 1190, Arizona.

The true meridian direction and length of all lines were determined by static or real time kinematic Global Navigation Satellite System observations using Trimble Navigation R8-4 and R10 model receivers.

Geodetic control was derived from Global Navigation Satellite System (GNSS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DI2266 P107 GRANTS\_NM2006 CORS ARP, DI2245 P011 SPIDERROCK\_AZ2005 CORS ARP, DH5816 P028 CHACOCNHP\_NM2005 CORS ARP.

The NAD 83 (2011) (EPOCH: 2010.0000), geographic position of the corner of Townships 30 and 31 North, Ranges 27 and 28 East, is as follows:

Latitude: 36°02'29.364" N. Longitude: 109°23'14.917" W.  
The NAD 83 (2011) (EPOCH: 2010.0000), geographic position of the closing corner of Townships 31 and 32 North, Range 27 East, on the East Boundary of Section 25, Township 5 North, Range 10 East,

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Navajo Special Meridian, is as follows:</p> <p>Latitude: 36°07'42.545" N.                      Longitude: 109°29'27.349" W.</p> <p>The mean magnetic declination is 9 3/4° E.</p> <hr/> <p style="text-align: center;"><b>Dependent Resurvey of a portion of the East Boundary,</b>  <b>T. 5 N., R. 10 W., Navajo Special Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">Restoring the resurvey executed by  Leonard R. Sandoval, in 1991-1992</p> <hr/> <p>Beginning at the corner of secs. 25 and 36 only, on the E. bdy. of T. 5 N., R. 10 W., Navajo Special Meridian, monumented with an Iron post, 2 ins. diam., firmly set, projecting 4 ins. above the ground with brass cap marked T5N R10W S25 S36 1991 1940.</p> <p>Add the marks 2018 to the brass cap.</p> <p>N. 0°27' W., bet. secs. 6 and 25.</p> <p>43.39      The 1/4 sec. cor. of sec. 25 only, Navajo Special Meridian, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. 1/4 S25 1940, 1992, from which the remaining 1940 bearing tree</p> <p style="padding-left: 40px;">A juniper, 12 ins. diam., bears N. 69° W., 2.83 chs. dist., with scribe marks 1/4 S25 BT visible on open blaze.</p> <p>Add the marks 2018 to the brass cap.</p> <hr/> <p>N. 1°23' E., beginning new measurement.</p> <p>4.42      The closing corner Tps. 31 and 32 N., R. 27 E., hereinafter described.</p> <p>38.76      The cor. of secs. 24 and 25 only, Navajo Special Meridian, monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, 4 ft. base, 3 ft. high, with brass cap mkd. T5N R10W S24 S25 1940 1991,</p> <p>from which the 1940 bearing tress</p> <p style="padding-left: 40px;">A forked juniper, 11 ins. diam., bears S. 59 1/2° W., 1.14 chs. dist., with scribe marks T5N R10W S25 BT visible on open blaze.</p> <p style="padding-left: 40px;">A forked piñon, 13 ins. diam., bears N. 40° W., 2.01 lks. dist., with scribe marks T5N R10W S24 BT visible on partially</p>
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Dependent Resurvey of a portion of the East Boundary,  
T. 5 N., R. 10 W., Navajo Special Meridian, Arizona

CHAINS

open blaze. (record: 1992, 2.02 chs.) Add the marks 2018 to the brass cap.

Survey of the South Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

From the point for the cor. of Tps. 30 and 31 N., Rs. 27 and 28 E., determined North, 480.00 chs. dist., from the cor. of Tps. 29 and 30 N., Rs. 27 and 28 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. "T30N R27E R28E S36 S31 S1 S6 T29N 2003". Add the marks 2018 to the brass cap. This cor. is located halfway up the left bank of a wash, 5 ft. high, bears N. 60° E., and S. 80° W.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

T 31 N	
R 27 E	R 28 E
S 36	S 31
S 1	S 6
T 30 N	

2018

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

Set a steel "T" post alongside and S. of cor.

West, bet. secs. 1 and 36, on the S. bdy. of the Tp.

Over rolling terrain, through scattered juniper.

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

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

T 31 N	R 27 E
	S 36
	1/4 ———
	S 1
	T 30 N

2020

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

Set a steel "T" post alongside and N. of cor.

Survey of the South Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS											
80.00	<p>Point for the cor. of secs. 1, 2, 35, and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td>S 35</td><td>S 36</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S 2</td><td>S 1</td></tr> <tr><td colspan="2">T 30 N</td></tr> </table> </div> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <hr style="width: 50%; margin-left: auto; margin-right: auto;"/> <p>West, bet. secs. 2 and 35.</p> <p>Over rolling terrain, through scattered juniper.</p>	T 31 N	R 27 E	S 35	S 36	<hr/>		S 2	S 1	T 30 N	
T 31 N	R 27 E										
S 35	S 36										
<hr/>											
S 2	S 1										
T 30 N											
40.00	<p>Point for the 1/4 sec. cor. of secs. 2 and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td colspan="2">S 35</td></tr> <tr><td colspan="2">1/4 ———</td></tr> <tr><td colspan="2">S 2</td></tr> <tr><td colspan="2">T 30 N</td></tr> </table> </div> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>	T 31 N	R 27 E	S 35		1/4 ———		S 2		T 30 N	
T 31 N	R 27 E										
S 35											
1/4 ———											
S 2											
T 30 N											
80.00	<p>Point for the cor. of secs. 2, 3, 34, and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td>S 34</td><td>S 35</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S 3</td><td>S 2</td></tr> <tr><td colspan="2">T 30 N</td></tr> </table> </div> <p style="text-align: center;">2020</p>	T 31 N	R 27 E	S 34	S 35	<hr/>		S 3	S 2	T 30 N	
T 31 N	R 27 E										
S 34	S 35										
<hr/>											
S 3	S 2										
T 30 N											

Survey of the South Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS					
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <hr/> <p>West, bet. secs. 3 and 34.</p> <p>Over rolling and broken terrain, through scattered juniper.</p>				
40.00	<p>Point for the 1/4 sec. cor. of secs. 3 and 34.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 8 ins. in sandstone bedrock, in a collar of stone, 1 1/2 ft. base, to top, with brass tablet, 3 1/2 ins. diam. mkd.</p> <div style="text-align: center;"> <p>T 31 N R 27 E</p> <p>S 34</p> <p>1/4 ———</p> <p>S 3</p> <p>T 30 N</p> <p>2020</p> </div> <p>Deposit a magnet, without the white plastic case, cemented in a drill hole, North, 0.2 ft. dist., of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p>				
80.00	<p>Point for the cor. of secs. 3, 4, 33, and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 31 N R 27 E</p> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 33</td> <td style="padding: 0 5px;">S 34</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 4</td> <td style="padding: 0 5px;">S 3</td> </tr> </table> <p>T 30 N</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <hr/> <p>West, bet. secs. 4 and 33.</p> <p>Over rolling and broken terrain, through scattered juniper.</p>	S 33	S 34	S 4	S 3
S 33	S 34				
S 4	S 3				



Survey of the South Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Point for the 1/4 sec. cor. of secs. 4 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in the ground, to sandstone bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E S 33 1/4 ——— S 4 T 30 N</p> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>
54.23	<p>Point selected for the witness point on the S. bdy. of the Tp., at intersection with the top of the Three Turkey Wash Canyon cliff, 300 ft. high, bears N. 10° E. and South.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 8 ins. in sandstone bedrock, in a collar of stone, 2 ft. base, to top, with brass tablet, 3 1/2 ins. diam. mkd.</p> <p style="text-align: center;">WP T 31 N R 27 E S 33 ————— S 4 T 30 N</p> <p style="text-align: center;">2020</p> <p>Deposit a magnet, without the white plastic case, cemented in a drill hole, West, 0.2 ft. dist., of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p>
80.00	<p>Point for the cor. of secs. 4, 5, 32, and 33, falls at the bottom of the Three Turkey Wash Canyon. Not monumented.</p> <hr/> <p>West, bet. secs. 5 and 32.</p> <p>Along the Three Turkey Wash Canyon.</p>
40.00	<p>The true point for the 1/4 sec. cor. of secs. 5 and 32, falls at the bottom of the Three Turkey Wash gulch surround by sheer canyon wall, where it is impracticable to establish a permanent monument. Not monument.</p>

Survey of the South Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS					
46.60	<p>The point selected for the witness cor. to the 1/4 sec. cor. of secs. 5 and 32.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p> <div style="text-align: center;"> <p>WC</p> <p>T 31 N R 27 E</p> <p>S 32</p> <p>1/4 →</p> <p>S 5</p> <p>T 30 N</p> <p>2020</p> </div> <p>Deposit a magnet, without the white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p>				
80.00	<p>Point for the cor. of secs. 5, 6, 31, and 32.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p> <div style="text-align: center;"> <p>T 31 N R 27 E</p> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 31</td> <td style="padding: 0 5px;">S 32</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 6</td> <td style="padding: 0 5px;">S 5</td> </tr> </table> <p>T 30 N</p> <p>2020</p> </div> <p>Deposit a magnet, without the white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p> <p>The cor. is located West, 38 lks. dist., and South, 38 lks. dist., of the top of a sheer vertical cliff, 200 ft. high, bears S. 50° E. and N. 45° W.</p> <hr style="width: 60%; margin-left: 0;"/> <p>West, bet. secs. 6 and 31.</p> <p>Over rolling terrain, through scattered juniper.</p>	S 31	S 32	S 6	S 5
S 31	S 32				
S 6	S 5				
40.00	<p>Point for the 1/4 sec. cor. of secs. 6 and 31.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p>				

**Survey of the South Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	T 31 N R 27 E S 31 1/4 ——— S 6 T 30 N  2020
	Deposit a magnet, without the white plastic case, alongside of the stainless steel drive rod.  Set a steel "T" post alongside and S. of cor.  The cor. is located at the left base of a sandstone wash, 4 ft. wide, 3 ft. deep, drains N. 25° W.
78.47	The cor. of Tps. 30 and 31 N., Rs. 26 and 27 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. "T31N R26E R27E S36 S31 S1 S6 T30N 1991". Add the marks 2018 to the brass cap. Set a steel "T" post alongside and S. of cor.
	<hr/> <p style="text-align: center;"><b>Survey of the East Boundary, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>
	From the cor. of Tps. 30 and 31 N., Rs. 27 and 28 E., hereinbefore described.  North, bet. secs. 31 and 36, on the E. bdy. of the Tp.  Over rolling terrain, through scattered juniper. 40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.  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 27 E    R 28 E 1/4   S 36   S 31  2020
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.
80.00	Point for the cor. of secs. 25, 30, 31, and 36.

Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS											
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">T 31 N</td></tr> <tr><td>R 27 E</td><td>R 28 E</td></tr> <tr><td>S 25</td><td>S 30</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td>S 36</td><td>S 31</td></tr> </table> <p>2018</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <hr/> <p>North, bet. secs. 25 and 30.</p> <p>Over rolling terrain, through scattered juniper.</p>	T 31 N		R 27 E	R 28 E	S 25	S 30	-----		S 36	S 31
T 31 N											
R 27 E	R 28 E										
S 25	S 30										
-----											
S 36	S 31										
0.85	Trail road, bears S. 61° E. and N. 61° W.										
18.02	Power line, 2 strand, bears S. 77° E. and N. 77° W.										
24.34	The Sawmill road, a graded dirt road, 25 ft. wide, bears S. 85° E. and N. 85° W.										
40.00	Point for the 1/4 sec. cor. of secs. 25 and 30.										
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">T 31 N</td></tr> <tr><td>R 27 E</td><td>R 28 E</td></tr> <tr><td colspan="2">1/4</td></tr> <tr><td>S 25</td><td>S 30</td></tr> </table> <p>2018</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p>	T 31 N		R 27 E	R 28 E	1/4		S 25	S 30		
T 31 N											
R 27 E	R 28 E										
1/4											
S 25	S 30										
41.30	Trail road, bears N. 30° E. and S. 30° W.										
80.00	Point for the cor. of secs. 19, 24, 25, and 30.										
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>										

Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS									
	<table style="margin: auto; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">T 31 N</td></tr> <tr><td style="text-align: center;">R 27 E</td><td style="text-align: center;">R 28 E</td></tr> <tr><td style="text-align: center;">S 24</td><td style="text-align: center;">S 19</td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: center;">S 25</td><td style="text-align: center;">S 30</td></tr> </table>	T 31 N		R 27 E	R 28 E	S 24	S 19	S 25	S 30
T 31 N									
R 27 E	R 28 E								
S 24	S 19								
S 25	S 30								
	2018								
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <hr style="width: 50%; margin-left: 0;"/>								
	<p>North, bet. secs. 19 and 24.</p> <p>Over rolling terrain, through scattered juniper.</p>								
0.88	Bladed road, 15 ft. wide, bears N. 82° E. and S. 82° W.								
19.80	Graded road, 24 ft. wide, bears N. 75° E. and S. 75° W.								
24.52	Power line, 2 strand, bears S. 77° E. and N. 77° W.								
40.00	Point for the 1/4 sec. cor. of secs. 19 and 24.								
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>								
	<table style="margin: auto; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">T 31 N</td></tr> <tr><td style="text-align: center;">R 27 E</td><td style="text-align: center;">R 28 E</td></tr> <tr><td colspan="2" style="text-align: center;">1/4</td></tr> <tr><td style="text-align: center;">S 24</td><td style="text-align: center;">S 19</td></tr> </table>	T 31 N		R 27 E	R 28 E	1/4		S 24	S 19
T 31 N									
R 27 E	R 28 E								
1/4									
S 24	S 19								
	2018								
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p>								
56.73	The Spider Rock road, asphalt surfaced, 28 ft. wide, bears N. 33° E. and S. 33° W.								
80.00	Point for the cor. of secs. 13, 18, 19, and 24.								
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>								

Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS											
	<div style="text-align: center;"> <p>T 31 N</p> <table border="1" style="margin: auto;"> <tr> <td>R 27 E</td> <td>R 28 E</td> </tr> <tr> <td>S 13</td> <td>S 18</td> </tr> <tr> <td>S 24</td> <td>S 19</td> </tr> </table> <p>2018</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <hr/> <p>North, bet. secs. 13 and 18.</p> <p>Over rolling terrain, through scattered juniper.</p> </div>	R 27 E	R 28 E	S 13	S 18	S 24	S 19				
R 27 E	R 28 E										
S 13	S 18										
S 24	S 19										
40.00	<p>Point for the 1/4 sec. cor. of secs. 13 and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p>										
	<div style="text-align: center;"> <p>T 31 N</p> <table border="1" style="margin: auto;"> <tr> <td>R 27 E</td> <td>R 28 E</td> </tr> <tr> <td colspan="2" style="text-align: center;">1/4</td> </tr> <tr> <td>S 13</td> <td>S 18</td> </tr> </table> <p>2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> </div>	R 27 E	R 28 E	1/4		S 13	S 18				
R 27 E	R 28 E										
1/4											
S 13	S 18										
49.22	<p>Point for the witness point on the E. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is 82°32'10", the radius bears S. 31°01'50" E., 2640.00 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP</p> <table border="1" style="margin: auto;"> <tr> <td colspan="2" style="text-align: center;">T 31 N</td> </tr> <tr> <td>R 27 E</td> <td>R 28 E</td> </tr> <tr> <td>S 13</td> <td></td> </tr> <tr> <td></td> <td>NM</td> </tr> <tr> <td>CDC</td> <td>S 18</td> </tr> </table> <p>2020</p> </div>	T 31 N		R 27 E	R 28 E	S 13			NM	CDC	S 18
T 31 N											
R 27 E	R 28 E										
S 13											
	NM										
CDC	S 18										

Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS									
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>From this witness point, the end of the circular curve, bears S. 83°24'30" E., 48.834 chs. dist. Not monumented.</p> <p>From this same witness point, AP 13 in sec. 13, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears S. 55°19'00" W., 5.088 chs. dist., hereinafter described.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>								
80.00	<p>Point for the cor. of secs. 7, 12, 13, and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td colspan="2">T 31 N</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">R 27 E</td> <td style="padding: 0 5px;">R 28 E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 12</td> <td style="padding: 0 5px;">S 7</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 13</td> <td style="padding: 0 5px;">S 18</td> </tr> </table> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>The cor. is located 47 lks. South of a wash, 5 ft. deep, drains N. 80° W.</p> <hr style="width: 50%; margin: 10px auto;"/> <p>North, bet. secs. 7 and 12.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>	T 31 N		R 27 E	R 28 E	S 12	S 7	S 13	S 18
T 31 N									
R 27 E	R 28 E								
S 12	S 7								
S 13	S 18								
28.67	<p>Point selected for the witness point on the E. bdy. of the Tp., at intersection with the southerly top of the Canyon De Chelly cliff, approximately 900 ft. high, bears N. 80° E. and S. 40° W.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 12 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p>								

Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	WP T 31 N R 27 E   R 28 E S 12   S 7   2020
	Deposit a magnet, without the white plastic case, cemented in a drill hole, North, 0.2 ft. dist., of the stainless steel drive rod.
	Set a steel "T" post in drill hole, alongside and W. of cor.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 12, falls within the Canyon De Chelly. Not monumented.
70.35	Northerly top of the Canyon De Chelly cliff, approximately 900 ft. high, bears S. 20° E. and N. 60° W.
80.00	Point for the cor. of secs. 1, 6, 7, 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 31 N R 27 E   R 28 E S 1   S 6 S 12   S 7   2020
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Set a steel "T" post alongside and N. of cor.
	<hr/> North, bet. secs. 1 and 6.  Over rolling terrain, through scattered juniper.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 6, falls in two track road, 8 ft. wide, bears S. 75° E. and N. 60° W.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., 27 ins. in the ground, with brass tablet, 3 1/2 ins. diam. mkd.



Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	<div style="text-align: center; margin-bottom: 20px;"> <p>T 31 N R 27 E    R 28 E 1/4 S 1         S 6 2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post South, 13.3 lks. of cor. from which</p> <p style="margin-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground for a reference monument, bears S. 42°49' E., 43.7 ft. dist. with brass cap mkd. RM T31N R28E 43.7 FT TO COR 1/4 S6 2020 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Set a steel "T" post alongside and SE of cor.</p> <p style="margin-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears S. 47°25' W., 20.2 ft. dist. with brass cap mkd. RM T31N R27E 20.2 FT TO COR 1/4 S1 2020 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Set a steel "T" post alongside and SW of cor.</p> <p>44.331 Point for the witness point on the E. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument boundary, at a point along a circular curve to the left, the central angle of which is 70°45'50", the radius bears N. 6°54'50" W., 2080.00 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin-bottom: 20px;"> <p>WP T 31 N R 27 E         R 28 E S 1         S 6 CDC         NM 2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>
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**Survey of the East Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>From this witness point, the end of the circular curve, bears N. 71°21'00" E., 12.822 chs. dist. Not monumented.</p> <p>From this same witness point, AP 16 in sec. 1, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears N. 73°16'10" W., 25.281 chs. dist., hereinafter described.</p> <p>Leave the Canyon De Chelly National Monument.</p>										
49.75	Graded road, 24 ft. wide, bears N. 25° E. and S. 25° W.										
80.00	<p>Point for the cor. of Tps. 31 and 32 N., Rs. 27 and 28 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground to bedrock, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 0 10px;">T 32 N</td> </tr> <tr> <td style="padding: 0 5px;">R 27 E</td> <td style="border-left: 1px solid black; padding: 0 5px;">R 28 E</td> </tr> <tr> <td style="padding: 0 5px;">S 36</td> <td style="border-left: 1px solid black; padding: 0 5px;">S 31</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding: 0 10px;">S 1   S 6</td> </tr> <tr> <td colspan="2" style="padding: 0 10px;">T 31 N</td> </tr> </table> <p>2019</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <hr style="border: 0.5px solid black; margin: 10px 0;"/> <div style="text-align: center; margin: 10px 0;"> <p><b>Survey of the North Boundary, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="border: 0.5px solid black; margin: 0 0 10px 0;"/> </div> <p>From the cor. of Tps. 31 and 32 N., Rs. 27 and 28 E., hereinbefore described.</p> <p>West, bet. secs. 1 and 36, on the N. bdy. of the Tp.</p> <p>Over rolling terrain, through scattered juniper.</p>	T 32 N		R 27 E	R 28 E	S 36	S 31	S 1   S 6		T 31 N	
T 32 N											
R 27 E	R 28 E										
S 36	S 31										
S 1   S 6											
T 31 N											
40.00	<p>Point for the 1/4 sec. cor. of secs. 1 and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>										

Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
48.237	<p style="text-align: center;">T 32 N R 27 E S 36 1/4 ——— S 1 T 31 N</p> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>Point for the witness point on the N. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument boundary, at a point along a circular curve to the right, the central angle of which is 111°15'20", the radius bears N. 44°00'10" W., 2640.00 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
80.00	<p style="text-align: center;">WP T 32 N R 27 E S 36 NM CDC S 1 T 31 N</p> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>From this witness point, the end of the circular curve, bears N. 31°09'00" E., 20.503 chs. dist. Not monumented.</p> <p>From this same witness point, AP 17 in sec. 2, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears S. 86°46'30" W., 52.253 chs. dist., hereinafter described.</p> <p>Thence within the Canyon De Chelly National Monument boundaries. Point for the cor. of secs. 1, 2, 35, and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p>

Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 32 N R 27 E S 35   S 36 S 2   S 1 T 31 N  2020
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and N. of cor.
	<hr/> West, bet. secs. 2 and 35.  Over rolling terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.
14.90	Graded road, 24 ft. wide, bears S. 45° E. and N. 45° W.
24.804	Point for the witness point on the N. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument boundary, at a point along a circular curve to the left, the central angle of which is 43°25'40", the radius bears S. 29°58'20" W., 2640.00 ft. dist.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	WP T 32 N R 27 E S 35 <del>CDCNM</del> S 2 T 31 N  2020
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and N. of cor.  From this witness point, AP 17 in sec. 2, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears S. 56°14'20" E., 5.289 chs. dist.  From this same witness point, the beginning of the circular curve, bears N. 77°57'00" W., 24.617 chs. dist. Not monumented.

**Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Leave the Canyon De Chelly National Monument.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 2 and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 32 N R 27 E S 35 1/4 ——— S 2 T 31 N</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>
70.442	<p>Point for the witness point on the N. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument boundary, at a point along a circular curve to the left, the central angle of which is 55°41'30", the radius bears S. 54°06'40" W., 2640.00 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP T 32 N R 27 E S 35 CDC NM S 2 T 31 N</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>From this witness point, AP 14 in sec. 2, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears S. 35°05'30" E., 1.103 chs. dist., hereinafter described.</p> <p>From this same witness point, the beginning of the circular curve, bears N. 62°56'40" W., 36.387 chs. dist. Not monumented.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>

Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS											
80.00	<p>Point for the cor. of secs. 2, 3, 34, and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr> <td>T 32 N</td> <td>R 27 E</td> </tr> <tr> <td>S 34</td> <td>S 35</td> </tr> <tr> <td>S 3</td> <td>S 2</td> </tr> <tr> <td colspan="2">T 31 N</td> </tr> </table> </div> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <hr/> <p>West, bet. secs. 3 and 34.</p> <p>Over rolling terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>	T 32 N	R 27 E	S 34	S 35	S 3	S 2	T 31 N			
T 32 N	R 27 E										
S 34	S 35										
S 3	S 2										
T 31 N											
40.00	<p>Point for the 1/4 sec. cor. of secs. 3 and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr> <td>T 32 N</td> <td>R 27 E</td> </tr> <tr> <td>S 34</td> <td></td> </tr> <tr> <td>1/4</td> <td>—</td> </tr> <tr> <td>S 3</td> <td></td> </tr> <tr> <td colspan="2">T 31 N</td> </tr> </table> </div> <p style="text-align: center;">2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>	T 32 N	R 27 E	S 34		1/4	—	S 3		T 31 N	
T 32 N	R 27 E										
S 34											
1/4	—										
S 3											
T 31 N											
80.00	<p>Point for the cor. of secs. 3, 4, 33, and 34.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 9 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>										

Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 32 N R 27 E S 33   S 34 S 4   S 3 T 31 N  2020
	Deposit a magnet, without the white plastic case, cemented in a drill hole, North, 0.2 ft. dist., of the stainless steel drive rod.  Set a steel "T" post in drill hole, alongside and N. of cor.
	<hr/> West, bet. secs. 4 and 33.  Over rolling and broken terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 33.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.
	T 32 N R 27 E S 33 1/4 ——— S 4 T 31 N  2020
	Deposit a magnet, without the white plastic case, cemented in a drill hole, North, 0.2 ft. dist., of the stainless steel drive rod.  Set a steel "T" post in drill hole, alongside and N. of cor.
80.00	Point for the cor. of secs. 4, 5, 32, and 33, falls within the Canyon De Chelly. Not monumented.
	<hr/> West, bet. secs. 5 and 32.  Over gently rolling to rolling and broken terrain.
40.00	Within the Canyon De Chelly National Monument boundaries. Point for the 1/4 sec. cor. of secs. 5 and 32, falls within the Canyon De Chelly. Not monumented.

**Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
69.25	The White House trail, approximately 4 ft. wide, bears N. 43° E. and S. 43° W.
70.16	The same White House trail, approximately 4 ft. wide, bears S. 56° E. and N. 56° W.
71.64	The same White House trail, approximately 4 ft. wide, bears N. 46° E. and S. 46° W.
75.92	The same White House trail, approximately 4 ft. wide, bears S. 40° E. and N. 40° W.
80.00	The true point for the cor. of secs. 5, 6, 31, and 32, falls within the Canyon De Chelly. Not monumented.  from which  A U.S. Department of the Interior, National Park Service bench mark, a punched brass tablet, 1 1/2 ins. diam., cemented in concrete cylinder, 6 ins. diam., projecting 4 ins. above ground for a reference monument, bears N. 76°06' W., 725.5 ft. dist., with top mkd. "USDI 6190.382 A.33 1964 NPS", and with current NAVD88 elevation of 6193.4 ft. (Computed using GEOID12B). <hr/>
	West, bet. secs. 6 and 31.  Over rolling and broken terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.
1.07	The same White House trail, approximately 4 ft. wide, bears S. 22° E. and N. 22° W.
2.54	The same White House trail, approximately 4 ft. wide, bears S. 3° E. and N. 3° W.
3.17	The same White House trail, approximately 4 ft. wide, bears S. 3° E. and N. 20° W.
3.30	The point selected for the witness cor. to the cor. of secs. 5, 6, 31, and 32.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.



Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	WC T 32 N R 27 E S 31   S 32 ————→ S 6   S 5 T 31 N  2020
	Deposit a magnet, without a white plastic case, alongside the stainless steel drive rod.  From this witness cor., the White House trail head, approximately 4 ft. wide, bears S. 0°35' E., 39 lks. dist.  From this same witness cor., the top edge of a sheer cliff, bears East, 39 lks. dist., 200 ft. high, extending S. 20° E. and N. 20° W.
9.49	The White House Overlook road, asphalt surfaced, 25 ft. wide, bears S. 13° E. and N. 13° W.
36.30	The point selected for the witness cor. to the 1/4 sec. cor. of secs. 6 and 31.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 7 ins. in sandstone bedrock, in a supporting mound of stone, 3 ft. base, to top, with 3 1/2 ins. diam. brass tablet mkd.
	WC T 32 N R 27 E S 31 1/4 ←———— S 6 T 31 N  2020
	Deposit fragmental magnet chips at the base stainless steel drive rod.  Set a steel "T" post in drill hole, alongside and N. of cor.  From this witness cor., the top edge of the Canyon De Chelly cliff, bears West, 20 lks. dist., 400 ft. high, extending North and South.
40.00	The true point for the 1/4 sec. cor. of secs. 6 and 31, falls within the Canyon De Chelly. Not monumented.
63.06	Point for the closing cor. of Tps. 31 and 32 N., R. 27 E., at intersection with the E. bdy. of sec. 25, Tp. 5 N., R. 10 W., Navajo Special Meridian.

**Survey of the North Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS

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

T 5 N	T 32 N
R 10 W	R 27 E
	S 31
S 25	----- CC
	S 6
	T 31 N

2020

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

Set a steel "T" post alongside and E. of cor.

The cor. is located, North, 14 lks. dist., and West, 8 lks. dist., from a wash, 1 ft. wide, 1/2 ft. deep, drains N. 80° E.

From this closing cor., the cor. of secs. 24 and 25 only, T. 5 N., R. 10 W., Navajo Special Meridian, bears N. 1°23' E., 34.34 chs. dist., hereinbefore described.

From this same closing cor., the 1/4 sec. cor. of sec. 25 only, T. 5 N., R. 10 W., Navajo Special Meridian, bears S. 1°23' W., 4.42 chs. dist., hereinbefore described.

From this same closing cor., the U.S. Geological Survey triangulation station "SIBASILA 1937", a brass tablet, 3 1/2 ins. diam., cemented in a rock, 3 ft. x 3 ft., projecting 5 ins. above ground, bears N. 82°51'30" W., 15.212 chs. dist., with top mkd. "U.S. GEOLOGICAL SURVEY BENCH MARK ELEVATION ABOVE SEA FEET SIBASILA 1937" and a triangle, a third order horizontal, with a published NAD 83(1992), latitude 36°07'43.78112" (N) and longitude 109°29'39.49712" (W), with a current NAD 83(2011) (EPOCH:2010.000) latitude 36°07'43.77889" (N) and longitude 109°29'39.48882" (W).

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**Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

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From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp., hereinbefore described.

West, bet. secs. 25 and 36.

Over rolling terrain, through scattered juniper.

40.00

Point for the 1/4 sec. cor. of secs. 25 and 36.

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

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 31 N R 27 E S 25 1/4 ——— S 36  2018
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and N. of cor.
80.00	The point for the cor. of secs. 25, 26, 35, and 36, determined N. 0°01' W., 80.00 chs. dist., from the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., hereinbefore described.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 31 N R 27 E S 26   S 25 S 35   S 36  2018
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.
	<hr/> N. 0°01' W., bet. secs. 25 and 26.  Over rolling terrain, through scattered juniper.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 26.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 31 N R 27 E 1/4 S 26   S 25  2018
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.
66.33	Power line, 2 strand, bears S. 43° E. and N. 43° W.

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS									
68.28	The Sawmill road, a graded dirt road, 25 ft. wide, bears S. 46° E. and N. 46° W.								
80.00	<p>Point for the cor. of secs. 23, 24, 25, and 26.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr> <td>T 31 N</td> <td>R 27 E</td> </tr> <tr> <td>S 23</td> <td>S 24</td> </tr> <tr> <td>S 26</td> <td>S 25</td> </tr> </table> <p>2018</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <hr/> <p>From the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the Tp., hereinbefore described.</p> <p>West, bet. secs. 24 and 25.</p> <p>Over rolling terrain, through scattered juniper.</p>	T 31 N	R 27 E	S 23	S 24	S 26	S 25		
T 31 N	R 27 E								
S 23	S 24								
S 26	S 25								
34.70	Power line, 2 strand, bears N. 29° E. and S. 29° W.								
36.45	Enter a ceremonial area, edge bears S. 20° E. and N. 20° W.								
40.00	<p>Point for the 1/4 sec. cor. of secs. 24 and 25.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 29 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr> <td>T 31 N</td> <td>R 27 E</td> </tr> <tr> <td></td> <td>S 24</td> </tr> <tr> <td>1/4</td> <td>—</td> </tr> <tr> <td></td> <td>S 25</td> </tr> </table> <p>2018</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>The cor. is located in the ceremonial area, where it is impracticable to set a steel "T" post.</p>	T 31 N	R 27 E		S 24	1/4	—		S 25
T 31 N	R 27 E								
	S 24								
1/4	—								
	S 25								
40.90	Leave the ceremonial area, edge bears S. 20° E. and N. 20° W.								

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	<p>The cor. of secs. 23, 24, 25, and 26.</p> <hr/>
	<p>N. 0°01' W., bet. secs. 23 and 24.</p> <p>Over rolling and broken terrain, through scattered juniper.</p>
8.35	<p>The Spider Rock road, asphalt surfaced, 28 ft. wide, extending northeasterly and southwesterly, along a curve to right, concave SE.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 23 and 24.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div style="text-align: center;"> <p>T 31 N R 27 E</p> <p>1/4</p> <p>S 23   S 24</p> <p>2019</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p>
69.161	<p>Point for the witness point on the sec. line bet. secs. 23 and 24, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the left, the central angle of which is 67°04'30", the radius bears N. 34°31'50" W., 2641.71 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP</p> <p>T 31 N R 27 E</p> <p>S 23   S 24</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>The cor. is located, South, 91 lks. dist., from a wash, 10 ft. wide, 3 ft. deep, drains N. 70° W.</p>

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS									
	<p>From this witness point, AP 11 in sec. 13, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears N. 27°29'30" E., 37.556 chs. dist., hereinafter described.</p> <p>From this same witness point, AP 10 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears S. 61°01'50" W., 7.756 chs. dist., hereinafter described.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>								
80.00	<p>Point for the cor. of secs. 13, 14, 23, and 24.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td>S 14</td><td>S 13</td></tr> <tr><td>S 23</td><td>S 24</td></tr> </table> <p>2019</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <hr/> <p>From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the Tp., hereinbefore described.</p> <p>West, bet. secs. 13 and 24.</p> <p>Over rolling terrain, through scattered juniper.</p>	T 31 N	R 27 E	S 14	S 13	S 23	S 24		
T 31 N	R 27 E								
S 14	S 13								
S 23	S 24								
40.00	<p>Point for the 1/4 sec. cor. of secs. 13 and 24.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td>S 13</td><td></td></tr> <tr><td>1/4</td><td>—</td></tr> <tr><td>S 24</td><td></td></tr> </table> <p>2019</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>	T 31 N	R 27 E	S 13		1/4	—	S 24	
T 31 N	R 27 E								
S 13									
1/4	—								
S 24									

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
69.34	<p>Point for the witness point on the sec. line bet. secs. 13 and 24, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is 67°04'30", the radius bears N. 56°25'20" W., 2641.71 ft. dist.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div data-bbox="792 583 1019 823" data-label="Diagram"> </div> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p> <p>From this witness point, AP 11 in sec. 13, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears N. 16°32'50" E., 23.448 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 23 and 24, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. 44°31'30" W., 15.201 chs. dist.</p> <p>From this same witness point, AP 10 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears S. 50°05'00" W., 22.744 chs. dist.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
80.00	<p>The cor. of secs. 13, 14, 23, and 24.</p> <hr/> <p>N. 0°01' W., bet. secs. 13 and 14.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 13 and 14.</p>

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E 1/4 S 14   S 13</p> <p style="text-align: center;">2018</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>The cor. is located on top of a small finger ridge, 15 ft wide, 8 ft. high, bears N. 10° E. and South.</p>
80.00	<p>Point for the cor. of secs. 11, 12, 13, and 14.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 12 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <p style="text-align: center;">T 31 N R 27 E S 11   S 12 S 14   S 13</p> <p style="text-align: center;">2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside of cor.</p> <p>From this cor. point, the cor. of secs. 7, 12, 13, and 18, on the E. bdy. of the Tp., bears East, 80.00 chs. dist., hereinbefore described.</p> <p>From this same cor. point, a point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, bears N. 0°01' W., 142.417 chs. dist., at a point along a circular curve to the right, the central angle of which is 64°04'50", the radius bears S. 18°25'50" E., 3820.00 ft. dist. Not monumented.</p> <p style="padding-left: 40px;">From this point of intersection, AP 16 in sec. 1, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears S. 79°01'40" E., 56.830 chs. dist.</p>



Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this same point of intersection, AP 15 in sec. 2, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears S. 68°55'50" W., 5.323 chs. dist., hereinafter described.</p> <p>Leave the Canyon De Chelly National Monument.</p> <p>From this same cor. point, a point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, bears N. 0°01' W., 148.960 chs. dist., at a point along a circular curve to the right, the central angle of which is 111°15'20", the radius bears N. 5°42'00" E., 2640.00 ft. dist. Not monumented.</p> <p>From this point of intersection, the end of the circular curve, bears N. 52°00'00" E., 51.103 chs. dist., hereinbefore described.</p> <p>From this same point of intersection, AP 17 in sec. 2, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears N. 68°22'30" W., 21.954 chs. dist.</p> <p>Enter the Canyon De Chelly National Monument.</p> <p>From this same cor. point, the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp., bears N. 0°01' W., 159.99 chs. dist., hereinbefore described, and within the Canyon De Chelly National Monument boundaries.</p> <hr/> <p>From the cor. of secs. 25, 26, 35, and 36.</p> <p>West, bet. secs. 26 and 35.</p> <p>Over rolling and broken terrain, through scattered juniper.</p>
25.10	Dirt road, 24 ft. wide, bears S. 25° E. and N. 25° W.
28.60	Graded road, 24 ft. wide, bears N. 30° E. and S. 40° W.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 35.
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E S 26 1/4 ——— S 35</p> <p style="text-align: center;">2019</p>

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>The cor. is located on northerly edge of power line two track road.</p>									
40.01	Power line, 2 strand, bears N. 44° E. and S. 44° W.									
80.00	<p>The point for the cor. of secs. 26, 27, 34, and 35, determined N. 0°01' W., 80.00 chs. dist., from the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., hereinbefore described.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in hard sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">T 31 N</td> <td style="padding: 0 10px;">R 27 E</td> <td></td> </tr> <tr> <td style="padding: 0 10px; border-right: 1px solid black;">S 27</td> <td style="padding: 0 10px;"></td> <td style="padding: 0 10px;">S 26</td> </tr> <tr> <td style="padding: 0 10px; border-right: 1px solid black;">S 34</td> <td style="padding: 0 10px;"></td> <td style="padding: 0 10px;">S 35</td> </tr> </table> <p style="text-align: center;">2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The cor. is located halfway up a 25 ft. high, West facing sandstone slope, bears N. 20° E. and S. 15° W.</p> <p>From this cor. point, the cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., bears West, 318.39 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. "T31N R26E R27E S25 S30 S36 S31 1992". Add the marks 2018 to the brass cap.</p> <hr/> <p>N. 0°01' W., bet. secs. 26 and 27.</p> <p>Over broken and rolling terrain, through scattered juniper.</p>	T 31 N	R 27 E		S 27		S 26	S 34		S 35
T 31 N	R 27 E									
S 27		S 26								
S 34		S 35								
38.70	Trail road, bears N. 45° E. and S. 57° W.									
40.00	<p>Point for the 1/4 sec. cor. of secs. 26 and 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>									

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 31 N R 27 E 1/4 S 27   S 26</p> <p style="text-align: center;">2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>The cor. is located East, 8 lks. dist., of a wooden log fence that meanders generally S. 20° E. and N. 20° W.</p> <p>From this cor. point, a fence corner, bears S. 20°18' E., 47 lks. dist., made up of a mixture of logs, branches, and steel "T" post, with various strands of barbed wire, with meandering fences extending S. 55° W. and N. 20° W., partially encompassing an abandoned cultivated field of approximately 2.7 acres.</p> <p>From this same cor. point, the NE fence corner of the abandoned cultivated field, bears N. 24°41' W., 3.41 chs. dist., with meandering fences extending S. 20° E. and S. 75° W.</p>
80.00	<p>Point for the cor. of secs. 22, 23, 26, and 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E S 22   S 23 S 27   S 26</p> <p style="text-align: center;">2018</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>From this cor. point, the cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., bears West, 318.32 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 1/2 ins. above ground, with brass cap mkd. "T31N R26E R27E S24 S19 S25 S30 1992". Add the marks 2018 to the brass cap.</p> <hr/> <p>From the cor. of secs. 23, 24, 25, and 26.</p> <p>West, bet. secs. 23 and 26.</p> <p>Over rolling terrain, through scattered juniper.</p>

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
9.06	The Spider Rock road, asphalt surfaced, 28 ft. wide, bears N. 44° E. and S. 44° W.
9.39	From this point, the terminus of the National Park Service road 10, asphalt surfaced, 25 ft. wide, extending N. 45° W., and the beginning of the Sawmill road, a graded dirt road, 25 ft. wide, extending S. 45° E., bears South, 1.29 chs. dist.
9.86	From this point, the "T" intersection of the Spider Rock road, asphalt surfaced, 28 ft. wide, extending N. 44° E., and the National Park Service road 10, asphalt surfaced, 25 ft. wide, extending S. 45° E. and N. 45° W., bears South, 82 lks. dist.
10.68	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 45° E. and N. 45° W.
12.96	Power line, 2 strand, bears S. 43° E. and N. 43° W.
13.18	Intersection of graded roads, 24 ft. wide, bears N. 30° E., S. 30° W. and S. 75° W.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 26.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.  <div style="text-align: center;"> <p>T 31 N R 27 E</p> <p>S 23</p> <p>1/4 ———</p> <p>S 26</p> <p>2018</p> </div> Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and N. of cor.
40.04	Trail road, bears S. 25° E. and N. 25° W.
80.00	The cor. of secs. 22, 23, 26, and 27.  <hr/> N. 0°01' W., bet. secs. 22 and 23.  Over rolling terrain, through scattered juniper.
38.66	Power line, 2 strand, bears S. 43° E. and N. 43° W.
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.

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 31 N R 27 E 1/4 S 22   S 23  2019
	Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.  Set a steel "T" post alongside and W. of cor.
58.54	Point for the witness point on the sec. line bet. secs. 22 and 23, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is $107^{\circ}47'30''$ , the radius bears N. $17^{\circ}45'50''$ E., 6083.66 ft. dist.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.  From this witness point, AP 9 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears N. $85^{\circ}10'30''$ E., 64.832 chs. dist., hereinafter described.  From this same witness point, AP 8 in sec. 15, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Compound Curvature, bears N. $38^{\circ}56'00''$ W., 101.242 chs. dist., hereinafter described.  Thence within the Canyon De Chelly National Monument boundaries.
66.35	Dirt road, 20 ft. wide, bears S. $70^{\circ}$ E. and N. $80^{\circ}$ 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., 25 ins. in the ground, with brass cap mkd.

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 31 N R 27 E S 15   S 14 S 22   S 23  2019  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.  The cor. is located on top of the right bank of a wash, 4 ft. high, bears N. 10° E. and S. 30° W. <hr/> From the cor. of secs. 13, 14, 23, and 24.  West, bet. secs. 14 and 23.  Over broken and rolling terrain, through scattered juniper. Within the Canyon De Chelly National Monument boundaries.
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., 26 ins. in the ground, with brass cap mkd.  <div style="text-align: center;">             T 31 N R 27 E              S 14              1/4 ———              S 23                2019           </div> Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and N. of cor.
53.14	The National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southeasterly and northwesterly along a curve to the right, concave NE.
61.90	Enter cleared field, edge bears North and South.
64.10	Leave the cleared field, edge bears North and South.
80.00	The cor. of secs. 14, 15, 22, and 23. <hr/> N. 0°01' W., bet. secs. 14 and 15.  Over rolling and broken terrain, through scattered juniper.

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Within the Canyon De Chelly National Monument boundaries.
0.56	Wash, 4 ft. wide, 4 ft. deep, drains N. 5° W.
18.64	The National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southeasterly and northwesterly along a curve to the left, concave SW.
21.34	Point selected for the witness point on the sec. line bet. secs. 14 and 15, at intersection with the southerly top of cliff of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, 500 ft. high, bears S. 80° E. and N. 40° W.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.  <div style="text-align: center;">           WP            T 31 N R 27 E            S 15   S 14            2020         </div>
	Deposit magnet fragments alongside of the stainless steel drive rod.
	Set a steel "T" post in drill hole, alongside and W. of cor.
	The witness point is located South, 26 lks. dist. from the southerly top edge of cliff, 500 ft. high, bears S. 80° E. and N. 40° W.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 15, falls within the Wild Cherry Canyon, a tributary of the Canyon De Chelly. Not monumented.
80.00	Point for the cor. of secs. 10, 11, 14, and 15, falls within the Wild Cherry Canyon, a tributary of the Canyon De Chelly. Not monumented.
	<hr/> From the cor. of secs. 11, 12, 13, and 14.  West, bet. secs. 11 and 14.  Over rolling and broken terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 14.

Survey of a portion of the Subdivisional Lines,  
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CHAINS	
	<p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 12 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p> <p style="text-align: center;">T 31 N R 27 E S 11 1/4 ——— S 14</p> <p style="text-align: center;">2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p>
61.68	<p>Point selected for the witness point on the sec. line bet. secs. 11 and 14, at intersection with the easterly top of cliff of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, 600 ft. high, bears N. 52° E. and S. 70° W.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p> <p style="text-align: center;">WP T 31 N R 27 E S 11 ————— S 14</p> <p style="text-align: center;">2020</p> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and S. of cor.</p> <p>The witness point is located South, 4 lks. dist. from the easterly top edge of cliff, 600 ft. high, bears N. 52° E. and S. 70° W.</p>
80.00	<p>The cor. of secs. 10, 11, 14, and 15.</p> <hr/> <p>N. 0°01' W., bet. secs. 10 and 11.</p> <p>Through the bottoms of the Wild Cherry Canyon and the Canyon De Chelly.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 10 and 11, falls within the Wild Cherry Canyon a tributary of the Canyon De Chelly. Not monumented.</p>



Survey of a portion of the Subdivisional Lines,  
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CHAINS	
80.00	<p>Point for the cor. of secs. 2, 3, 10, and 11, falls within the Canyon De Chelly. Not monumented.</p> <p>From this cor. point, the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp., bears East, 160.00 chs. dist., hereinbefore described.</p> <hr/> <p>N. 0°01' W., bet. secs. 2 and 3.</p> <p>Over broken and rolling terrain.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 2 and 3.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <p style="text-align: center;">T 31 N R 27 E 1/4 S 3   S 2  2020</p> <p>Deposit a magnet, without the white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p>
79.98	<p>The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., hereinbefore described.</p> <hr/> <p>From the cor. of secs. 14, 15, 22, and 23.</p> <p>West, bet. secs. 15 and 22.</p> <p>Over rolling terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
35.893	<p>Point for the witness point on the sec. line bet. secs. 15 and 22, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is 107°47'30", the radius bears N. 43°59'20" E., 6083.66 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p>

Survey of a portion of the Subdivisional Lines,  
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CHAINS	
	<div style="text-align: center;"> <p>WP T 31 N R 27 E S 15 CDC NM S 22 2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>From this witness point, AP 9 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears S. 79°42'40" E., 102.297 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 22 and 23, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. 59°07'40" E., 41.828 chs. dist.</p> <p>From this same witness point, AP 8 in sec. 15, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Compound Curvature, bears N. 25°49'20" W., 63.645 chs. dist.</p> <p>Leave the Canyon De Chelly National Monument.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 15 and 22.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 31 N R 27 E S 15 1/4 ——— S 22 2019</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>From this cor. point, a water tank, approximately 30 ft. diam., and a terminus of the underground water line, bears N. 57°50' W., 15.70 chs. dist.</p>
61.80	<p>From this point, approximate location of underground water line,</p>

Survey of a portion of the Subdivisional Lines,  
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CHAINS							
	bears North 8.20 chs. dist., extending East and N. 45° W.						
63.80	From this point, approximate location of underground water line, bears North 10.25 chs. dist., extending S. 45° E. and West.						
65.05	From this point, approximate location of underground water line, bears North 10.25 chs. dist., extending East and N. 45° W.						
80.00	The point for the cor. of secs. 15, 16, 21 and 22, determined N. 0°02' W., 240.00 chs. dist., from the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., hereinbefore described.						
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>T 31 N</td> <td>R 27 E</td> </tr> <tr> <td style="border-right: 1px solid black;">S 16</td> <td>S 15</td> </tr> <tr> <td style="border-right: 1px solid black;">S 21</td> <td>S 22</td> </tr> </table>	T 31 N	R 27 E	S 16	S 15	S 21	S 22
T 31 N	R 27 E						
S 16	S 15						
S 21	S 22						
	2019						
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.						
	Set a steel "T" post alongside and NE of cor.						
	From this cor. point, a wooden power pole, 10 ins. diam., bears N. 54°58' W., 41.4 lks. dist., with 2 strand, extending S. 58° E. and N. 40° W.						
	The cor. is located South, 21 lks. dist., from the power line trail road, extending S. 52° E. and N. 52° W.						
	<hr/>						
	N. 0°02' W., bet. secs. 15 and 16.						
	Over rolling terrain, through scattered juniper.						
11.10	From this point, approximate location of underground water line, bears East 13.90 chs. dist., extending North and S. 45° E.						
12.90	From this point, approximate location of underground water line, bears East 13.90 chs. dist., extending South and N. 45° W.						
13.65	Graded road, 20 ft. wide, bears N. 50° E. and S. 50° W.						
19.10	Approximate location of underground water line, bears N. 65° E. and S. 50° W.						
21.45	From this point, approximate location of underground water line, bears East 5.95 chs. dist., extending N. 10° E., S. 45° E. and S. 65° W.						

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CHAINS	
28.46	From this point, approximate location of underground water line, bears East 7.13 chs. dist., extending S. 10° W. and N. 28° W.
40.00	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.  <div style="text-align: center;">           T 31 N R 27 E                  1/4            S 16   S 15              2019         </div> Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.
42.23	Approximate location of underground water line, bears S. 28° E. and N. 28° W.
59.20	Graded road, 24 ft. wide, bears S. 25° E. and N. 25° W.
76.85	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 69° E. and N. 69° W.
80.00	Point for the cor. of secs. 9, 10, 15, and 16.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.  <div style="text-align: center;">           T 31 N R 27 E            S 9   S 10            S 16   S 15              2019         </div> Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.
	<hr/> From the cor. of secs. 10, 11, 14, and 15.  West, bet. secs. 10 and 15.  Over broken and rolling terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.

**Survey of a portion of the Subdivisional Lines,  
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CHAINS	
22.37	The Sliding Rock road, asphalt surfaced, 28 ft. wide, bears N. 25° E. and S. 25° W.
40.00	<p>Point for the 1/4 sec. cor. of secs. 10 and 15. Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 12 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <p align="center">T 31 N R 27 E S 10 1/4 ——— S 15</p> <p align="center">2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post alongside and N. of cor.</p>
59.161	<p>Point for the witness point on the sec. line bet. secs. 10 and 15, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the left, the central angle of which is 51°08'50", the radius bears S. 62°23'00" E., 2669.60 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p align="center"> </p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and NE of cor.</p> <p>From this witness point, AP 7 in sec. 10, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Reverse Curvature, bears N. 36°34'10" E., 12.592 chs. dist., hereinafter described.</p> <p>From this same witness point, AP 8 in sec. 15, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Compound Curvature, bears S. 10°59'50" W., 23.138 chs. dist.</p> <p>Leave the Canyon De Chelly National Monument.</p>

Survey of a portion of the Subdivisional Lines,  
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CHAINS	
80.00	<p>The cor. of secs. 9, 10, 15 and 16.</p> <hr/> <p>N. 0°02' W., bet. secs. 9 and 10.</p> <p>Over rolling and broken terrain, through scattered juniper.</p>
0.41	<p>Barbed wire fence, 2 strand, bears S. 75° E. and N. 75° W.</p>
1.968	<p>Point for the witness point on the sec. line bet. secs. 9 and 10, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a tangent.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP T 31 N R 27 E CDCNM S 9   S 10 2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and NE of cor.</p> <p>From this witness point, AP 6 in sec. 10, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears N. 52°20'10" E., 26.764 chs. dist., hereinafter described.</p> <p>From this same witness point, AP 5 in sec. 16, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears S. 52°20'10" W., 16.901 chs. dist., hereinafter described.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 9 and 10.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 13 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div style="text-align: center;"> <p>T 31 N R 27 E 1/4 S 9   S 10 2019</p> </div>

Survey of a portion of the Subdivisional Lines,  
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CHAINS					
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The cor. is located at the southerly base of sandstone shelf, 5 ft. high, bears N. 50° E. and N. 40° W.</p>				
80.00	<p>The true point for the cor. of secs. 3, 4, 9, and 10, falls on sheer vertical face of the Canyon De Chelly. Not monumented.</p> <p>From this true point, the point selected for a witness cor. to the cor. of secs. 3, 4, 9, and 10, bears S. 56°31' W., 1.59 chs. dist. Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div style="text-align: center;"> <p>WC</p> <p>T 31 N R 27 E</p> <table border="1" style="margin: auto;"> <tr> <td>S 4</td> <td>S 3</td> </tr> <tr> <td>S 9</td> <td>S 10</td> </tr> </table> <p>2020</p> </div> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The cor. is located on top of cliff and 15 lks. West of cliffs edge, 400 ft. high, bears S. 10° E. and N. 10° W.</p> <hr/> <p>From the cor. of secs. 2, 3, 10, and 11.</p> <p>West, bet. secs. 3 and 10.</p> <p>Over rolling and broken terrain.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>	S 4	S 3	S 9	S 10
S 4	S 3				
S 9	S 10				
32.53	<p>The point selected for the witness cor. to the 1/4 sec. cor. of secs. 3 and 10.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>				

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CHAINS	
	<p style="text-align: center;">WC T 31 N R 27 E ←————— S 3 1/4 ——— S 10</p> <p style="text-align: center;">2020</p> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p> <p>The witness cor. is located on top of a finger ridge, 70 ft. wide, 400 ft. high, bears South and N. 20° W.</p>
40.00	The true point for the 1/4 sec. cor. of secs. 3 and 10, falls within the Canyon De Chelly. Not monumented.
65.41	The most easterly edge of pavement of the Sliding Rock overlook parking lot, extending S. 5° E. and N. 5° W.
66.92	The most westerly edge of pavement of the Sliding Rock overlook parking lot, extending southeasterly and northwesterly along a curve to the left, concave NE.
80.00	The cor. of secs. 3, 4, 9, and 10.
	<hr/> <p>N. 0°02' W., bet. secs. 3 and 4.</p> <p>Over broken and rolling terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>The true point for the 1/4 sec. cor. of secs. 3 and 4, falls within the Canyon De Chelly. Not monumented.</p> <p>From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 3 and 4, bears S. 22°07' E., 2.00 chs. dist.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>



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CHAINS	
79.97	<div style="text-align: center;"> <p>WC T 31 N R 27 E 1/4 S 4   S 3 2020</p> </div> <p>Deposit a magnet, without a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The witness cor. is located South, 15 lks. dist., and East, 23 lks. dist., of the top of cliff corner, 400 ft. high, extending East and South.</p> <p>The cor. of secs. 3, 4, 33, and 34, on the N. bdy of the Tp. hereinbefore described.</p>
40.00	<p>From the cor. of secs. 15, 16, 21, and 22.</p> <p>West, bet. secs. 16 and 21.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Point for the 1/4 sec. cor. of secs. 16 and 21.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>
80.00	<div style="text-align: center;"> <p>T 31 N R 27 E S 16 1/4 ——— S 21 2020</p> </div> <p>Deposit magnet fragments at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p> <p>The point for the cor. of secs. 16, 17, 20, and 21, determined N. 0°03' W., 240.00 chs. dist., from the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., hereinbefore described.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>

Survey of a portion of the Subdivisional Lines,  
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CHAINS													
	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">T 31 N</td> <td style="padding: 0 10px;">R 27 E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 17</td> <td style="padding: 0 5px;">S 16</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 20</td> <td style="padding: 0 5px;">S 21</td> </tr> </table>	T 31 N	R 27 E	S 17	S 16	S 20	S 21						
T 31 N	R 27 E												
S 17	S 16												
S 20	S 21												
	2020												
	<p>Deposit a magnet, without a white plastic case, alongside the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>From this cor. point, the cor. of secs. 13, 18, 19, and 24, on the W. bdy. of the Tp., bears West, 158.23 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. "T31N R26E R27E S13 S18 S24 S19 1992".</p> <p>from which the original bearing tree</p> <p style="padding-left: 40px;">A piñon, 9 ins. diam., bears N. 33 1/2° E., 80.5 lks. dist., with scribe marks "T31N R27E S 18 BT" visible on open blaze.</p> <p>Add the marks 2018 to the brass cap.</p> <hr style="width: 60%; margin-left: 0;"/> <p>N. 0°03' W., bet. secs. 16 and 17.</p> <p>Over broken and rolling terrain, through scattered juniper.</p>												
40.0	<p>The true point for the 1/4 sec. cor. of secs. 16 and 17, falls within the Little White House Canyon, on a inaccessible shelf, below a sheer cliff face.</p> <p>From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 16 and 17, bears N. 33°53' E., 2.10 chs. dist.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 0 20px;">WC</td> </tr> <tr> <td style="padding: 0 10px;">T 31 N</td> <td style="padding: 0 10px;">R 27 E</td> </tr> <tr> <td colspan="2" style="padding: 0 10px;">1/4</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 17</td> <td style="padding: 0 5px;">S 16</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">↙</td> <td style="padding: 0 5px;"></td> </tr> <tr> <td colspan="2" style="padding: 0 10px;">2020</td> </tr> </table> </div> <p>Deposit a magnet, without a white plastic case, at the base of the stainless steel drive rod.</p>	WC		T 31 N	R 27 E	1/4		S 17	S 16	↙		2020	
WC													
T 31 N	R 27 E												
1/4													
S 17	S 16												
↙													
2020													

Survey of a portion of the Subdivisional Lines,  
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CHAINS	
77.292	<p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The witness cor. is located North, 14 lks. dist., and East, 12 lks. dist., of top of a sheer vertical cliff, 50 ft. high, extending S. 35° E. and N. 40° W.</p> <p>Point for the witness point on the sec. line bet. secs. 16 and 17, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is 112°31'30", the radius bears N. 47°22'40" E., 3264.34 ft. dist.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 12 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div style="text-align: center;"> <p style="text-align: center;">2020</p> </div> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>From this witness point, AP 5 in sec. 16, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the end of the curve, identical with the Point of Tangency, bears S. 85°08'40" E., 66.859 chs. dist.</p> <p>From this same witness point, AP 4 in sec. 8 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the beginning of the curve, identical with the Point of Tangency, bears N. 28°53'00" W., 23.497 chs. dist., hereinafter described.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
80.00	<p>Point for the cor. of secs. 8, 9, 16, and 17.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 12 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>

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T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS

T 31 N	R 27 E
S 8	S 9
S 17	S 16

2020

Deposit a magnet, without a white plastic case, alongside the stainless steel drive rod.

Set a steel "T" post in drill hole, alongside and W. of cor.

From this cor. point, a point of intersection on the protracted sec. line bet. secs. 8 and 17 and a portion of the Canyon De Chelly National Monument southerly boundary, bears West, 2.316 chs. dist., at a point along a circular curve to the right, the central angle of which is  $112^{\circ}31'30''$ , the radius bears  $N. 51^{\circ}30'40'' E.$ , 3264.34 ft. dist. Not monumented.

From this point of intersection, AP 5 in sec. 16, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the end of the curve, identical with the Point of Tangency, bears  $S. 83^{\circ}04'40'' E.$ , 69.443 chs. dist.

From this same point of intersection, AP 4 in sec. 8 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the beginning of the curve, identical with the Point of Tangency, bears  $N. 26^{\circ}49'00'' W.$ , 20.018 chs. dist.

Leave the Canyon De Chelly National Monument.

From this same cor. point, the cor of secs. 7, 12, 13, and 18, on the W. bdy. of the Tp., bears West, 158.15 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 14 ins. above ground, in a collar of stone, 2 ft. base, 8 ins. high, with brass cap mkd. "T31N R26E R27E S12 S7 S13 S18 1992".

from which the original bearing trees

A piñon, 7 ins. diam., bears  $N. 15 1/2^{\circ} E.$ , 51 lks. dist., with scribe marks "T31N R27E S7 BT" visible on open blaze.

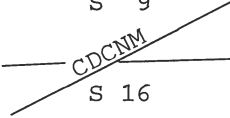
A juniper, 22 ins. diam., bears  $S. 72 3/4^{\circ} E.$ , 26.5 lks. dist., with scribe marks "T31N R27E S18 BT" visible on open blaze.

A piñon, 6 1/2 ins. diam., bears  $S. 38^{\circ} W.$ , 1.75 chs. dist., with scribe marks "T31N R26E S13 BT" visible on open blaze, (Record: 1.76 chs.).

Add the marks 2018 to the brass cap.

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Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the cor. of secs. 9, 10, 15, and 16.</p> <p>West, bet. secs. 9 and 16.</p> <p>Over rolling and broken terrain, through scattered juniper. Within the Canyon De Chelly National Monument boundaries.</p>
2.549	<p>Point for the witness point on the sec. line bet. secs. 9 and 16, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a tangent.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP</p> <p>T 31 N R 27 E</p> <p>S 9</p>  <p>S 16</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and NE of cor.</p> <p>From this witness point, AP 6 in sec. 10, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears N. 52°20'10" E., 29.983 chs. dist.</p> <p>From this same witness point, AP 5 in sec. 16, of the metes-and- bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears S. 52°20'10" W., 13.682 chs. dist.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
11.05	<p>The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 77° E. and N. 77° W.</p>
18.92	<p>Approximate location of underground water line, bears S. 77° E. and N. 77° W.</p>
31.55	<p>Enter inhabited area.</p>
39.95	<p>Leave inhabited area.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 9 and 16.</p>

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <p style="text-align: center;">T 31 N R 27 E S 9 1/4 ——— S 16</p> <p style="text-align: center;">2020</p> <p>Deposit magnet fragments at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p>
65.18	Power line, 2 strand, bears S. 39° E. and N. 39° W.
74.20	Approximate location of underground water line, bears S. 20° E. and N. 20° W.
80.00	The cor. of secs. 8, 9, 16, and 17.
	<hr/> <p>N. 0°03' W., bet. secs. 8 and 9.</p> <p>Over rolling terrain, through scattered Juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
6.95	Enter plowed field, edge bears N. 35° E. and S. 35° W.
10.43	Approximate location of underground water line, bears N. 70° E. and S. 70° W.
10.75	Leave plowed field, edge bears N. 35° E. and S. 35° W.
18.63	Power line, 2 strand, bears S. 39° E. and N. 39° W.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 9.
	<p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <p style="text-align: center;">T 31 N R 27 E 1/4 S 8   S 9</p> <p style="text-align: center;">2020</p> <p>Deposit magnet fragments alongside the drill hole and under the brass cap.</p>

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona


CHAINS									
	<p>Set a steel "T" post alongside and W. of cor.</p> <p>The cor. is located on the northwesterly edge of exposed sandstone, 12 x 12 ft., 2 ft. high, on the left bank of a wash, 6 ft. wide, 1 ft. deep, drains S. 40° W.</p>								
73.80	Graded road, 24 ft. wide, bears S. 50° E. and N. 50° W.								
80.00	<p>Point for the cor. of secs. 4, 5, 8, and 9.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td>S 5</td><td>S 4</td></tr> <tr><td>S 8</td><td>S 9</td></tr> </table> <p>2020</p> </div> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel fence post in drill hole, alongside and W. of cor.</p> <hr/> <p>From the cor. of secs. 3, 4, 9, and 10.</p> <p>West, bet. secs. 4 and 9.</p> <p>Over broken and rolling terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>	T 31 N	R 27 E	S 5	S 4	S 8	S 9		
T 31 N	R 27 E								
S 5	S 4								
S 8	S 9								
40.00	<p>Point for the 1/4 sec. cor. of secs. 4 and 9.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 31 N</td><td>R 27 E</td></tr> <tr><td>S 4</td><td></td></tr> <tr><td>1/4</td><td>—</td></tr> <tr><td>S 9</td><td></td></tr> </table> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p>	T 31 N	R 27 E	S 4		1/4	—	S 9	
T 31 N	R 27 E								
S 4									
1/4	—								
S 9									
58.15	The National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southwesterly and northwesterly along a curve to the right, concave West.								

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
66.36	Approximate location of underground water line, bears S. 46° E. and N. 46° W.
80.00	The cor. of secs. 4, 5, 8, and 9. <hr/>
	N. 0°03' W., bet. secs. 4 and 5.  Over rolling and broken terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.
9.79	Approximate location of underground water line, bears S. 70° E. and N. 70° W.
19.35	Graded road, 20 ft. wide, bears N. 75° E. and S. 75° W.
23.62	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 52° E. and N. 52° W.
40.00	The true point for the 1/4 sec. cor. of secs. 4 and 5, falls within the Canyon De Chelly. Not monumented.  From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 4 and 5, bears S. 79°38' W., 2.97 chs. dist.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.  <div style="text-align: center;"> <p style="margin: 0;">WC T 31 N R 27 E 1/4 S 5   S 4 2020</p> </div> Deposit magnet fragments alongside of the stainless steel drive rod.  Set a steel "T" post in drill hole, alongside and W. of cor.  The witness cor. is located West, 6 lks. dist., of top edge of cliff, 8 ft. high, extending North and South.
75.00	From this point, a wood frame hogan, bears West, 23 lks. dist.
79.96	The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp., hereinbefore described. <hr/>
	From the cor. of secs. 4, 5, 8, and 9.



Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>West, bet. secs. 5 and 8.</p>
	<p>Over gently rolling terrain, through scattered juniper. Within the Canyon De Chelly National Monument boundaries.</p>
10.25	<p>Graded road, 24 ft. wide, bears S. 60° E. and N. 60° W.</p>
24.55	<p>Graded road, 20 ft. wide, bears N. 5° E. and S. 5° W.</p>
33.05	<p>Graded road, 20 ft. wide, bears S. 15° E. and N. 15° W.</p>
34.97	<p>Approximate location of underground water line, bears S. 46° E. and N. 46° W.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 5 and 8.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 36 ins. in the ground, with brass cap mkd.</p>
	<div style="text-align: center;"> <p>T 31 N R 27 E</p> <p>S 5</p> <p>1/4 ———</p> <p>S 8</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, and a bundle of white flagging, at the base of the stainless steel post.</p> <p>Set a steel "T" post, West, 4.5 lks. dist. of cor.</p> <p>The cor. is located on westerly edge of a two track road, 8 wide, extending N. 15° E. and S. 25° W.</p>
41.355	<p>Point for the witness point on the sec. line bet. secs. 5 and 8, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the left, the central angle of which is 57°51'10", the radius bears S. 28°46'00" W., 2755.67 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<div style="text-align: center;"> <p>WP</p> <p>T 31 N R 27 E</p> <p>S 5</p>  <p>S 8</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>

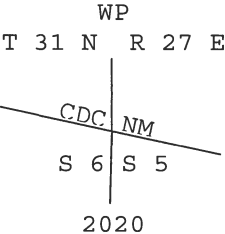
Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS													
	<p>Set a steel "T" post alongside and N. of cor.</p> <p>From this witness point, AP 3 in sec. 8 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the end of the curve, identical with the Point of Tangency, bears S. 38°11'10" E., 32.690 chs. dist.</p> <p>From this same witness point, AP 2 in sec. 5 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the beginning of the curve, identical with the Point of Tangency, bears N. 67°06'40" W., 8.554 chs. dist., hereinafter described.</p> <p>Leave the Canyon De Chelly National Monument.</p>												
47.25	Graded road, 20 ft. wide, bears N. 10° E. and S. 10° W.												
79.01	Power line, 2 strand, bears S. 60° E. and N. 60° W.												
80.00	<p>The point for the cor. of secs. 5, 6, 7, and 8, determined N. 0°03' W., 400.00 chs. dist., from the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., hereinbefore described.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td colspan="2">T 31 N</td> <td colspan="2">R 27 E</td> </tr> <tr> <td>S 6</td> <td> </td> <td>S 5</td> <td></td> </tr> <tr> <td>S 7</td> <td> </td> <td>S 8</td> <td></td> </tr> </table> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, and a bundle of white flagging, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <hr/> <p>West, bet. secs. 6 and 7.</p> <p>Over rolling and broken terrain, through scattered juniper.</p>	T 31 N		R 27 E		S 6		S 5		S 7		S 8	
T 31 N		R 27 E											
S 6		S 5											
S 7		S 8											
40.00	<p>Point for the 1/4 sec. cor. of secs. 6 and 7.</p> <p>Set a stainless steel drive rod, 18 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p>												


Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">T 31 N R 27 E S 6 1/4 ——— S 7</p> <p style="text-align: center;">2020</p> <p>Deposit magnet fragments at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and N. of cor.</p> <p>The cor. is located on a solid sheet of sandstone outcrop, approximately 800 x 400 ft., and near the southerly edge of sandstone and about 8 ft. above ground level.</p> <p>78.06 The cor. of secs. 1, 6, 7, and 12, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, in a collar of stone, 2 1/2 X 2 ft., with brass cap mkd. "T31N R26E R27E S1 S6 S12 S7 1992".</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A piñon, 13 ins. diam., bears S. 59° E., 83 lks. dist., with scribe marks "T31N R27E S7 BT" visible on open blaze.</p> <p style="padding-left: 40px;">A piñon, 8 ins. diam., bears N. 79 1/4° W., 39.5 lks. dist., with scribe marks "T31N R26E S1 BT" visible on open blaze.</p> <p>Add the marks 2018 to the brass cap.</p> <p>From this cor., the 1992 closing cor. of secs. 1 and 6, at intersection with the S. bdy. of sec. 25, T. 5 N., R. 10 W., Navajo Special Meridian, bears North, 32.025 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T 5 N R 10 W S 25</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 1</td> <td style="padding: 0 5px;">S 6</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">R 26 E</td> <td style="padding: 0 5px;">R 27 E</td> </tr> </table> <p style="text-align: center;">T 31 N CC</p> <p style="text-align: center;">1992</p> <p>Add the marks 2018 to the brass cap.</p> <hr/> <p>From the cor. of secs. 5, 6, 7, and 8.</p> <p>N. 0°03' W., bet. secs. 5 and 6.</p>	S 1	S 6	R 26 E	R 27 E
S 1	S 6				
R 26 E	R 27 E				

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling and broken terrain, through scattered juniper.
0.58	Power line, 2 strand, bears S. 60° E. and N. 60° W.
12.74	Point for the witness point on the sec. line bet. secs. 5 and 6, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a tangent.  Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.  <div style="text-align: center;">  <p style="text-align: center;">WP T 31 N R 27 E CDC NM S 6 S 5 2020</p> </div>
	Deposit a magnet, without a white plastic case, at the base of the stainless steel drive rod.
	Set a steel "T" post in drill hole, alongside and W. of cor.
	From this witness point, AP 2 in sec. 5 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears S. 72°59'40" E., 32.185 chs. dist.
	From this same witness point, AP 1 in sec. 6 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears N. 72°59'40" W., 46.610 chs. dist., hereinafter described.
	Thence within the Canyon De Chelly National Monument boundaries.
23.65	Enter inhabited area.
30.35	Enter plowed field, edge bears S. 85° E. and N. 85° W.
32.35	Leave plowed field, edge bears S. 85° E. and N. 85° W.
34.75	Graded road, 24 ft. wide, bears N. 35° E. and S. 25° W.
36.34	Approximate location of underground water line, bears S. 68° E. and N. 68° W.
38.30	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 68° E. and N. 68° W.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 6.

Survey of a portion of the Subdivisional Lines,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E 1/4 S 6   S 5  2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p>
44.25	Intersect the South side of a wood frame dwelling, 40 x 24 ft., the SW corner bears N. 75° W., 14 lks. dist., the long side bears N. 15° E.
47.55	Leave inhabited area.
79.95	The cor. of secs. 5, 6, 31, and 32, on the N. bdy of the Tp. hereinbefore described.
<hr/> <p><b>Subdivision of section 3, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>	
	<p>From the 1/4 sec. cor. of secs. 3 and 10.</p> <p>N. 0°02' W., along the N. and S. center line of sec. 3. Over gently rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>The true point for the center 1/4 sec. cor. of sec. 3, at intersection with the E. and W. center line, falls within the Canyon De Chelly. Not monumented.</p> <p>From this true point, the point selected for a witness cor. to the center 1/4 sec. cor. of sec. 3, bears N. 19°53' E., 35 lks. dist.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.</p> <p style="text-align: center;">WC T 31 N R 27 E  C 1/4 . S 3  2020</p>

**Subdivision of Section 3,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Deposit a magnet, without a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The witness cor. is located North, 26 lks. dist., and East, 23 lks. dist., of top sheer edge of cliff, approximately 600 ft. high, extending S. 50° E. and N. 40° W.</p>
79.98	<p>The 1/4 sec. cor. of secs. 3 and 34, on the N. bdy of the Tp.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 2 and 3.</p> <p>West, on the E. and W. center line of sec. 3.</p> <p>Over rolling and broken terrain, in and out of the Canyon De Chelly.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	The center 1/4 sec. cor. of sec. 3.
80.00	<p>The 1/4 sec. cor. of secs. 3 and 4.</p> <hr/> <p style="text-align: center;"><b>Subdivision of Section 4, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the 1/4 sec. cor. of secs. 4 and 9.</p> <p>N. 0°02' W., along the N. and S. center line of sec. 4.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
30.08	<p>The point selected for the witness cor. to the center 1/4 sec. cor. of sec. 4.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, cemented in a drill hole, in sandstone bedrock, with top mkd.</p> <div style="text-align: center;"> <p>WC</p> <p>T 31 N    R 27 E</p> <p>          ↑</p> <p>          C 1/4    S 4</p> <p>           </p> <p>          2020</p> </div> <p>Deposit a magnet, without a white plastic case, at the base of the stem of the brass tablet.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p>

**Subdivision of Section 4,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	The witness cor. is located on top of steep slope, 400 ft. high, extending East and N. 30° W.
40.00	The true point for the center 1/4 sec. cor. of sec. 4, at intersection with the E. and W. center line, falls within the Canyon De Chelly. Not monumented.
79.97	The 1/4 sec. cor. of secs. 4 and 33, on the N. bdy. of Tp.
	-----
	From the 1/4 sec. cor. of secs. 3 and 4.
	West, on the E. and W. center line of sec. 4.
	Over broken and rolling terrain, through scattered juniper.
	Within the Canyon De Chelly National Monument boundaries.
40.00	The center 1/4 sec. cor. of sec. 4.
80.00	The 1/4 sec. cor. of secs. 4 and 5.
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	<b>Subdivision of Section 5, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b>
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	From the 1/4 sec. cor. of secs. 5 and 8.
	N. 0°03' W., along the N. and S. center line of sec. 5.
	Over rolling and broken terrain, through scattered juniper.
	Within the Canyon De Chelly National Monument boundaries.
4.87	Approximate location of underground water line, bears S. 46° E. and N. 46° W.
11.45	Graded road, 24 ft. wide, bears S. 70° E. and N. 70° W.
29.29	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears N. 85° E. and S. 85° W.
40.00	Point for the center 1/4 sec. cor. of sec. 5, at intersection with the E. and W. center line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.

Subdivision of Section 5,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 31 N R 27 E
	C 1/4 . S 5
	2020
	Deposit a magnet, in a white plastic case, and a bundle of white flagging, at the base of the stainless steel post.
	Set a steel "T" post alongside and W. of cor.
54.55	Top of southerly edge of the Canyon De Chelly, approximately 360 ft. high, extending N. 75° E. and N. 80° W.
79.96	The 1/4 sec. cor. of sec. 5 and 32, on the N. bdy. of the Tp.
	<hr/>
	From the 1/4 sec. cor. of secs. 4 and 5.
	West, on the E. and W. center line of sec. 5.
	Over broken and rolling terrain, through scattered juniper.
	Within the Canyon De Chelly National Monument boundaries.
40.00	The center 1/4 sec. cor. of sec. 5.
80.00	The 1/4 sec. cor. of secs. 5 and 6.
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	Subdivision of Section 6, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona
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	From the 1/4 sec. cor. of secs. 6 and 7.
	N. 0°04' W., along the N. and S. center line of sec. 6.
	Over rolling and broken terrain, through scattered juniper.
	Within the Canyon De Chelly National Monument boundaries.
15.69	Power line, 2 strand, bears S. 77° E. and N. 77° W.
24.974	Point for the witness point on the N. and S. center line of sec. 6, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a tangent.
	Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 13 ins. in sandstone bedrock, with 3 1/2 ins. diam. brass tablet mkd.



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CHAINS	<div style="text-align: center; margin-bottom: 20px;"> <p style="margin: 0;">WP T 31 N R 27 E C CDC NM S 6 C 2020</p> </div> <p>Deposit a magnet, without a white plastic case, at the base of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>From this witness point, AP 2 in sec. 5 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears S. 72°59'40" E., 74.027 chs. dist.</p> <p>From this same witness point, AP 1 in sec. 6 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Curvature, bears N. 72°59'40" W., 4.768 chs. dist.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p> <p>40.00 Point for the center 1/4 sec. cor. of sec. 6, at intersection with the E. and W. center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 20px 0;"> <p>T 31 N R 27 E</p> <p>C 1/4 . S 6</p> <p>2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>from which</p> <p style="margin-left: 40px;">A U.S. Department of the Interior, National Park Service bench mark, a punched brass tablet, 1 1/2 ins. diam., cemented in concrete cylinder, 6 ins. diam., flush with the surface of the ground for a reference monument, bears N. 23°17' E., 14.15 chs.. dist., with top mkd. "USDI 6143.372 A.38 1964 NPS", witnessed by a wood post, 4 x 4 ins. firmly set, projecting 18 ins. above ground, N. 60° E., 4 lks. dist., of brass tablet, and with current NAVD88 elevation of 6146.4 ft. (Computed using GEOID12B).</p>
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Subdivision of Section 6,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
52.33	Approximate location of underground water line, bears S. 68° E. and N. 68° W.
54.24	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 68° E. and N. 68° W.
79.95	The 1/4 sec. cor. of secs. 6 and 31, on the N. bdy. of the Tp. <hr/>
	From the 1/4 sec. cor. of secs. 5 and 6. West, on the E. and W. center line of sec. 6. Over gently rolling terrain, through scattered juniper. Within the Canyon De Chelly National Monument boundaries.
4.23	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 68° E. and N. 68° W.
9.17	Approximate location of underground water line, bears S. 68° E. and N. 68° W.
12.52	From this point, the "T" intersection of the White House Overlook road, asphalt surfaced, 25 ft. wide, extending N. 23° E., and the National Park Service road 10, asphalt surfaced, 25 ft. wide, extending S. 68° E. and N. 68° W., bears North, 3.31 chs. dist.
18.00	Enter inhabited area.
18.35	Graded road, 24 ft. wide, bears N. 20° E. and S. 20° W.
19.15	Approximate location of underground water line, bears N. 50° E. and S. 50° W.
21.15	Intersect the East side of a wood frame dwelling, approximately 20 x 15 ft., the SE corner bears South, 5 lks. dist., the long side bears North.
25.35	Leave inhabited area.
40.00	The center 1/4 sec. cor. of sec. 6.
47.80	Enter inhabited area.
56.80	Leave inhabited area.
62.94	Point for the closing cor. for the E. and W. center line of sec. 6, T. 31 N., R. 27 E., at intersection with the E. bdy. of sec. 25, T 5 N., R. 10 W., Navajo Special Meridian.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, with brass cap mkd.

**Subdivision of Section 6,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and E. of cor.</p> <p>From this closing cor., the witness point, on the sec. line bet. sec. 25, T 5 N., R. 10 W., Navajo Special Meridian, and sec. 6, T 31 N., R. 27 E., on the W. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, bears S. 0°27' E., 4.46 chs. dist., hereinafter described.</p> <p>From this same closing cor., the SE cor. of sec. 25, T. 5 N., R. 10 W., Navajo Special Meridian, bears S. 0°27' E., 7.85 chs. dist., hereinbefore described.</p> <p>Note: The memorandum dated November 28, 1994, from the Chief Cadastral Surveyor of Arizona, the notice of cancellation included sec. 36, T. 5 N., R. 10 W., Navajo Special Meridian.</p> <p>From this same closing cor., the 1/4 sec. cor. of sec. 25 only, T. 5 N., R. 10 W., Navajo Special Meridian, bears N. 0°27' W., 35.54 chs. dist., hereinbefore described.</p>
	<hr/> <p><b>Subdivision of Section 9, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>
	<p>From the 1/4 sec. cor. of secs. 9 and 16.</p> <p>N. 0°02' W., along the N. and S. center line of sec. 9.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
2.81	Approximate location of underground water line, bears S. 74° E. and N. 74° W.
7.59	The National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southeasterly and northwesterly along a curve to the left, concave NE.

Subdivision of Section 9,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
21.38	<p>Point selected for the witness point on N. and S. center line of sec. 9, at intersection with the southerly top of cliff of the Spring Canyon, a tributary of the Canyon De Chelly, 20 ft. high, bears North and S. 25° E.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p> <div style="text-align: center;">           WP            T 31 N R 27 E            C                         S 9                         C            2020         </div> <p>Deposit magnet fragments alongside of the stainless steel drive rod.</p> <p>Set a steel "T" post in drill hole, alongside and W. of cor.</p> <p>The witness point is located West, 6 lks. dist. from the southerly top edge of cliff, 20 ft. high, bears North and S. 25° E.</p>
40.00	Point for the center 1/4 sec. cor. of sec. 9, at intersection with the E. and W. center line, falls within the Spring Canyon, a tributary of the Canyon De Chelly. Not monumented.
80.00	The 1/4 sec. cor. of secs. 4 and 9.
	<hr/> <p>From the 1/4 sec. cor. of secs. 9 and 10.</p> <p>West, on the E. and W. center line of sec. 9.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
13.42	Top of easterly edge of the Spring Canyon, a tributary of the Canyon De Chelly, approximately 650 ft. high, extending S. 35° E. and N. 19° W.
40.00	The center 1/4 sec. cor. of sec. 9.
59.72	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 19° E. and N. 19° W.
61.75	Approximate location of underground water line, bears S. 19° E. and N. 19° W.
80.00	The 1/4 sec. cor. of secs. 8 and 9.
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Subdivision of Section 10  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 10 and 15.</p> <p>N. 0°02' W., along the N. and S. center line of sec. 10.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>Point for the center 1/4 sec. cor. of sec. 10, at intersection with the E. and W. center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E</p> <p style="text-align: center;">C 1/4 S 10</p> <p style="text-align: center;">2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p>
42.23	<p>The Sliding Rock road, asphalt surfaced, 28 ft. wide, bears S. 30° E. and N. 30° W.</p>
80.00	<p>The 1/4 sec. cor. of secs. 3 and 10.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 10 and 11.</p> <p>West, on the E. and W. center line of sec. 10.</p> <p>Over broken and rolling terrain, through scattered juniper.</p> <p>Within the Canyon De Chelly National Monument boundaries.</p>
5.88	<p>Top of westerly edge of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, approximately 600 ft. high, extending S. 45° E. and N. 45° W.</p>
16.47	<p>Point selected for the witness point on E. and W. center line of sec. 10, at intersection with the westerly top of cliff of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, 600 ft. high, bears S. 20° E. and N. 50° W.</p> <p>Set a stainless steel drive rod, 14 ins. long, 9/16 ins. diam., cemented in a drill hole, 14 ins. in sandstone bedrock, with brass tablet, 3 1/2 ins. diam. mkd.</p>

Subdivision of Section 10,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	WP T 31 N R 27 E  S 10 C————C  2020
	Deposit magnet fragments alongside of the stainless steel drive rod.  Set a steel "T" post in drill hole, alongside and N. of cor.  The witness point is located South, 6 lks. dist. from the westerly top of cliff of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, approximately 600 ft. high, bears S. 20° E. and N. 50° W.
38.70	The Sliding Rock road, asphalt surfaced, 28 ft. wide, bears S. 30° E. and N. 30° W.
40.00	The center 1/4 sec. cor. of sec. 10.
80.00	The 1/4 sec. cor. of secs. 9 and 10.
<hr/> Subdivision of Section 14, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona <hr/>	
	From the 1/4 sec. cor. of secs. 14 and 23.  N. 0°01' W., along the N. and S. center line of sec. 14.  Over rolling and broken terrain, through scattered juniper.  Within the Canyon De Chelly National Monument boundaries.
27.95	Top of southerly edge of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, approximately 300 ft. high, extending S. 65° E. and S. 70° W.
37.87	Top of northerly edge of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, approximately 300 ft. high, extending N. 79° E. and S. 76° W.
40.00	Point for the center 1/4 sec. cor. of sec. 14, at intersection with the E. and W. center line.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in crevice of rock, 8 ft. long, 3 ft. deep, with brass cap mkd.

Subdivision of Section 14,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 31 N R 27 E
	C 1/4 S 14
	2019
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Fill up crevice with dirt and rock.
	The two boulders which create the crevice are 8 x 5 x 2 ft., East of cor. and 8 x 5 x 4 ft., West of cor.
	Set a steel "T" post in a drill hole, West, 1.5 lks. dist., of cor.
80.00	The 1/4 sec. cor. of secs. 11 and 14.
	<hr/>
	From the 1/4 sec. cor. of secs. 13 and 14.
	West, on the E. and W. center line of sec. 14.
	Over rolling and broken terrain, through scattered juniper. Within the Canyon De Chelly National Monument boundaries.
36.99	Top of northerly edge of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, approximately 300 ft. high, extending N. 55° E. and S. 55° W.
40.00	The center 1/4 sec. cor. of sec. 14.
54.84	Top of northerly edge of the Wild Cherry Canyon, a tributary of the Canyon De Chelly, approximately 300 ft. high, extending S. 75° E. and N. 75° W.
80.00	The 1/4 sec. cor. of secs. 14 and 15.
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	Subdivision of Section 15, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona
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	From the 1/4 sec. cor. of secs. 15 and 22.
	N. 0°02' W., along the N. and S. center line of sec. 15.
	Over rolling terrain, through scattered juniper.

Subdivision of Section 15,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
4.229	<p>Point for the witness point on the N. and S. center line of sec. 15, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is <math>107^{\circ}47'30''</math>, the radius bears N. <math>47^{\circ}59'20''</math> E., 6083.66 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p style="text-align: center;">2020</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>From this witness point, AP 9 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears S. <math>77^{\circ}52'50''</math> E., 107.150 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 15 and 22, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. <math>44^{\circ}11'10''</math> E., 5.896 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 22 and 23, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. <math>57^{\circ}17'40''</math> E., 47.550 chs. dist.</p> <p>From this same witness point, AP 8 in sec. 15, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Compound Curvature, bears N. <math>23^{\circ}59'20''</math> W., 58.079 chs. dist.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
40.00	<p>Point for the center 1/4 sec. cor. of sec. 15, at intersection with the E. and W. center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p>



Subdivision of Section 15,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 31 N R 27 E
	C 1/4 S 15
	2019
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel "T" post alongside and W. of cor.
58.32	The National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southeasterly and northwesterly along a curve to the right, concave SW.
62.46	From this point, the "T" intersection of the Sliding Rock road, asphalt surfaced, 28 ft. wide, extending N. 45° E., and the National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southeasterly and northwesterly along a curve to the right, concave SW. bears West, 3.18 chs. dist.
65.12	The Sliding Rock road, asphalt surfaced, 28 ft. wide, extending northeasterly and southwesterly along a curve to the right, concave SE.
80.00	The 1/4 sec. cor. of secs. 10 and 15.
	_____
	From the 1/4 sec. cor. of secs. 14 and 15.
	West, on the E. and W. center line of sec. 15.
	Over broken and rolling terrain, through scattered juniper.
	Within the Canyon De Chelly National Monument boundaries.
31.73	The National Park Service road 10, asphalt surfaced, 25 ft. wide, extending southeasterly and northwesterly along a curve to the left, concave NE.
40.00	The center 1/4 sec. cor. of sec. 15.
60.199	Point for the witness point on the E. and W. center line of sec. 15, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the right, the central angle of which is 107°47'30", the radius bears N. 73°24'40" E., 6083.66 ft. dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Subdivision of Section 15,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">WP T 31 N R 27 E C ————— C S 15 2020</p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and N. of cor.</p> <p>From this witness point, AP 9 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears S. 65°00'10" E., 137.893 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 22 and 23, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. 44°25'00" E., 86.055 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 15 and 22, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. 31°18'20" E., 46.820 chs. dist.</p> <p>From this same witness point, the witness point on N. and S. center line of sec. 15, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the right, bears S. 29°28'20" E., 41.092 chs. dist.</p> <p>From this same witness point, AP 8 in sec. 15, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Compound Curvature, bears N. 11°06'40" W., 17.618 chs. dist.</p> <p>Leave the Canyon De Chelly National Monument.</p>
70.00	Graded road, 24 ft. wide, bears S. 25° E. and N. 25° W.
76.00	Graded road, 24 ft. wide, bears N. 20° E. and S. 2° W.
78.84	Approximate location of underground water line, bears S. 28° E. and N. 28° W.
80.00	The 1/4 sec. cor. of secs. 15 and 16.

Subdivision of Section 16,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 16 and 21.</p> <p>N. 0°02' W., along the N. and S. center line of sec. 16.</p> <p>Over rolling and gently rolling terrain, through scattered juniper.</p>
40.00	<p>Point for the center 1/4 sec. cor. of sec. 16, at intersection with the E. and W. center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E C 1/4 . S 16 2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>The cor. is located North, 27 lks. dist., of a two track road, 8 ft. wide, extending N. 70° E. and S. 70° W., and South, 83 lks. of a wash, 8 ft. wide, 2 ft. deep, drains N. 75° W.</p>
44.90	<p>Enter plowed field, edge bears N. 45° E. and S. 45° W.</p>
53.00	<p>Leave plowed field, edge bears S. 75° E. and N. 75° W.</p>
61.46	<p>Point for the witness point on N. and S. center line of sec. 16, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the left, the central angle of which is 112°31'30", the radius bears N. 4°11'30" W., 3264.34 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">WP T 31 N R 27 E C CDC NM S 16 C 2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post alongside and W. of cor.</p>

**Subdivision of Section 16,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this witness point, AP 5 in sec. 16, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the end of the curve, identical with the Point of Tangency, bears N. 69°04'20" E., 28.488 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 16 and 17, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the left, bears N. 68°24'30" W., 43.031 chs. dist.</p> <p>From this same witness point, AP 4 in sec. 8 of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, at the beginning of the curve, identical with the Point of Tangency, bears N. 54°37'00" W., 62.957 chs. dist.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
62.23	Enter plowed field, edge bears S. 55° E. and N. 55° W.
63.81	Leave plowed field, edge bears N. 35° E. and S. 35° W.
67.39	Power line, 2 strand, bears S. 32° E. and N. 32° W.
80.00	The 1/4 sec. cor. of secs. 9 and 16.
	<hr/>
	<p>From the 1/4 sec. cor. of secs. 15 and 16.</p> <p>West, on the E. and W. center line of sec. 16.</p> <p>Over gently rolling and rolling terrain, through scattered juniper.</p>
24.70	Power line, 2 strand, bears S. 12° E. and N. 12° W.
40.00	The center 1/4 sec. cor. of sec. 16.
80.00	The 1/4 sec. cor. of secs. 16 and 17.
	<hr/>
	<p><b>Subdivision of Section 23, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p>
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	<p>From the 1/4 sec. cor. of secs. 23 and 26.</p> <p>N. 0°01' W., along the N. and S. center line of sec. 23.</p> <p>Over rolling terrain, through scattered juniper.</p>
15.95	Enter inhabited area.
35.70	Leave inhabited area.

Subdivision of Section 23,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
23.83	Power line, 2 strand, bears S. 71° E. and N. 71° W.
38.61	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 15° E. and N. 15° W.
40.00	Point for the center 1/4 sec. cor. of sec. 23, at intersection with the E. and W. center line.  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 27 E  C 1/4 . S 23  2019  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post alongside and W. of cor.  The cor. is located on the top edge of the easterly bank, of the easterly drainage ditch, of the BIA Route 7, identical with the National Park Service road 10, 4 ft. wide, 2 ft. deep, drains N. 10° W.
54.918	Point for the witness point on the N. and S. center line of sec. 23, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, at a point along a circular curve to the left, the central angle of which is 107°47'30", the radius bears N. 7°24'10" W., 6083.66 ft. dist.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 32 ins. in the ground, with brass cap mkd.  WP T 31 N R 27 E C   — CDC NM S   23 C  2020  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel "T" post, North, 5 lks. dist., of cor.  The cor. is located in the northerly edge of a dirt road, 12 ft. wide, bears S. 40° E. and N. 75° W

Subdivision of Section 23,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>from which</p> <p style="padding-left: 40px;">A rebar, 24 ins. long, 5/8 in. diam., set 23 ins. in the ground for a reference monument, bears N. 73°03 1/4' W., 847.9 ft. dist. with a punched brass cap, 2 ins. diam., 1 1/4 ins. stem, mkd. "BLM CADASTRAL 2020". From this RM, a metal water tank, approximately 25 ft. diam., alongside a windmill in poor conditions, bears S. 45° W., 3 chs. dist.</p> <p style="padding-left: 40px;">A U.S. Department of the Interior, National Park Service bench mark, a punched brass tablet, 1 1/2 ins. diam., cemented in concrete cylinder, 6 ins. diam., projecting 5 ins. above ground for a reference monument, bears N. 75°23 1/4' W., 1600.9 ft. dist., with top mkd. "USDI 6621.936 A.77 1964 NPS", and with current NAVD88 elevation of 6625.1 ft. (Computed using GEOID12B). This bench mark is located on the southerly edge of a dirt road, 8 ft. wide, extending S. 70° E. and N. 75° W.</p> <p>From this witness point, AP 9 in sec. 23, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears N. 74°35'50" E., 25.675 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 22 and 23, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the left, bears N. 84°49'20" W., 40.165 chs. dist.</p> <p>From this same witness point, the witness point on the sec. line bet. secs. 15 and 22, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the left, bears N. 71°42'30" W., 79.940 chs. dist.</p> <p>From this same witness point, the witness point on the N. and S. center line of sec. 15, at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and along the same circular curve to the left, bears N. 69°52'30" W., 85.213 chs. dist.</p> <p>From this same witness point, AP 8 in sec. 15, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Compound Curvature, bears N. 51°30'50" W., 132.376 chs. dist.</p> <p>Thence within the Canyon De Chelly National Monument boundaries.</p>
80.00	<p>The 1/4 sec. cor. of secs. 14 and 23.</p> <hr style="width: 60%; margin-left: 0;"/>

**Subdivision of Section 23,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	From the 1/4 sec. cor. of secs. 23 and 24 West, on the E. and W. center line of sec. 23.
	Over gently rolling and rolling terrain, through scattered juniper.
5.40	Enter cleared field, edge bears N. 10° E. and S. 10° W.
9.70	Leave cleared field, edge bears N. 10° E. and S. 10° W.
40.00	The center 1/4 sec. cor. of sec. 23.
40.38	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 15° E. and N. 15° W.
80.00	The 1/4 sec. cor. of secs. 22 and 23.
<hr/> <p><b>Subdivision of Section 24, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>	
	From the 1/4 sec. cor. of secs. 24 and 25.
	North, along the N. and S. center line of sec. 24. Over rolling terrain, through scattered juniper.
1.15	Leave the ceremonial area, edge bears N. 75° E. and S. 75° W.
6.90	The Spider Rock road, asphalt surfaced, 28 ft. wide, extending northeasterly and southwesterly, along a curve to the left, concave NW.
40.00	Point for the center 1/4 sec. cor. of sec. 24, at intersection with the E. and W. center line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	T 31 N R 27 E
	C 1/4 S 24
	2019
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel "T" post alongside and W. of cor.
80.00	The 1/4 sec. cor. of secs. 13 and 24.

Subdivision of Section 24,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 19 and 24, on the E. bdy. of the Tp. West, on the E. and W. center line of sec. 24.</p> <p>Over gently rolling and rolling terrain, through scattered juniper.</p>
12.18	The Spider Rock road, asphalt surfaced, 28 ft. wide, bears N. 42° E. and S. 42° W.
40.00	The center 1/4 sec. cor. of sec. 24.
80.00	The 1/4 sec. cor. of secs. 23 and 24.
<hr/> <p><b>Subdivision of Section 25, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>	
	<p>From the 1/4 sec. cor. of secs. 25 and 36.</p> <p>North, along the N. and S. center line of sec. 25.</p> <p>Over rolling to gently rolling terrain, through scattered juniper.</p>
35.72	Power line, 2 strand, bears S. 64° E. and N. 64° W.
40.00	Point for the center 1/4 sec. cor. of sec. 25, at intersection with the E. and W. center line.
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E C 1/4 S 25 2018</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p>
43.49	The Sawmill road, a graded dirt road, 25 ft. wide, bears S. 69° E. and N. 69° W.
47.25	Enter cleared field, edge bears East and West.
53.65	Leave the cleared field, edge bears S. 80° E. and N. 80° W.
70.61	Power line, 2 strand, bears N. 29° E. and S. 29° W.
78.80	Enter a ceremonial area, edge bears N. 75° E. and S. 75° W.



Subdivision of Section 25,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	<p>The 1/4 sec. cor. of secs. 24 and 25.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 25 and 30, on the E. bdy. of the Tp. West, on the E. and W. center line of sec. 25. Over rolling terrain, through scattered juniper.</p>
0.98	Trail road, bears N. 63° E. and S. 63° W.
32.88	The Sawmill road, a graded dirt road, 25 ft. wide, bears S. 56° E. and N. 56° W.
40.00	The center 1/4 sec. cor. of sec. 25.
48.92	Power line, 2 strand, bears S. 64° E. and N. 64° W.
80.00	<p>The 1/4 sec. cor. of secs. 25 and 26.</p> <hr/> <p style="text-align: center;"><b>Subdivision of Section 26, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the 1/4 sec. cor. of secs. 26 and 35. N. 0°01' W., along the N. and S. center line of sec. 26. Over rolling terrain, through scattered juniper.</p>
40.00	<p>Point for the center 1/4 sec. cor. of sec. 26, at intersection with the E. and W. center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 31 N R 27 E C 1/4 S 26 2019</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p>
40.81	Trail road, bears N. 25° E. and S. 25° W.
79.92	Trail road, bears S. 25° E. and N. 25° W.

Subdivision of Section 26,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	<p>The 1/4 sec. cor. of secs. 23 and 26.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 25 and 26.</p> <p>West, on the E. and W. center line of sec. 26.</p> <p>Over rolling terrain, through scattered juniper.</p>
24.80	Graded road, 24 ft. wide, bears N. 15° E. and S. 15° W.
34.05	Intersect the easterly side of a wood frame dwelling, approximately 45 x 40 ft., the SE corner bears S. 15° E., 20 lks. dist., the long side bears N. 15° W.
40.00	The center 1/4 sec. cor. of sec. 26.
40.38	Trail road, bears N. 25° E. and S. 25° W.
80.00	<p>The 1/4 sec. cor. of secs. 26 and 27.</p> <hr/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in protracted Section 1, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, hereinbefore described, which is N. 0°01' W., 148.960 chs. dist., from the cor. of secs. 11, 12, 13, and 14.</p> <p>On line to the witness point on the sec. line bet. secs. 1 and 36, on the N. bdy. of the Tp., along a circular curve to the left, having a central angle of 49°42'10", a radius of 2640.00 ft., the chord of said arc bears N. 70°50'50" E., 33.622 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
34.699	<p>The witness point on the sec. line bet. secs. 1 and 36, on the N. bdy. of the Tp., hereinbefore described.</p> <hr/> <p>From the point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, hereinbefore described, which is N. 0°01' W., 142.417 chs. dist., from the cor. of secs. 11, 12, 13, and 14.</p> <p>On line to AP 16, along a circular curve to the right, having a central angle of 58°48'30", a radius of 3820.00 ft., the chord of said arc bears S. 79°01'40" E., 56.830 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p>

**Metes-and-Bounds Survey in protracted Section 1,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
59.407	<p>On a portion of the Canyon De Chelly National Monument boundary.</p> <p>Point for AP 16, sec. 1, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 16 to the witness point on the sec. line bet. secs. 1 and 6, on the E. bdy. of the Tp., along a circular curve to the left, having a central angle of 47°17'30", a radius of 2080.00 ft., the chord of said arc bears S. 73°16'10" E., 25.281 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
26.013	<p>The witness point on the sec. line bet. secs. 1 and 6, on the E. bdy. of the Tp., hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in protracted Section 2, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the witness point on the sec. line bet. secs. 2 and 35, on the N. bdy. of the Tp., hereinbefore described, which is West, 70.442 chs. dist., from the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.</p> <p>On line to AP 14, along a circular curve to the right, having a central angle of 1°34'50", a radius of 2640.00 ft., the chord of said arc bears S. 35°05'30" E., 1.103 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
1.103	<p>Point for AP 14, sec. 2, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 14-15, along a circular curve to the left, having a central angle of 79°23'50", a radius of 3485.00 ft., the chord of said arc bears S. 74°00'30" E., 67.456 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
73.171	<p>Point for AP 15, sec. 2, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/>

**Metes-and-Bounds Survey in protracted Section 2,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Thence, on line 15 to the point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, which is N. 0°01' W., 142.417 chs. dist., from the cor. of secs. 11, 12, 13, and 14, along a circular curve to the right, having a central angle of 5°16'20", a radius of 3820.00 ft., the chord of said arc bears N. 68°55'50" E., 5.323 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
5.326	<p>The point of intersection on the protracted sec. line bet. secs. 1 and 2, hereinbefore described.</p> <hr/> <p>From the witness point on the sec. line bet. 2 and 35, on the N. bdy. of the Tp., hereinbefore described, which is West, 24.804 chs. dist., from the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.</p> <p>On line to AP 17, along a circular curve to the right, having a central angle of 7°34'50", a radius of 2640.00 ft., the chord of said arc bears S. 56°14'20" E., 5.289 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
5.292	<p>Point for AP 17, sec. 2, identical with the Point of Reverse Curvature. Not monumented.</p> <hr/> <p>Thence, on line 17 to the point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, which is N. 0°01' W., 148.960 chs. dist., from the cor. of secs. 11, 12, 13, and 14, along a circular curve to the left, having a central angle of 31°51'20", a radius of 2640.00 ft., the chord of said arc bears S. 68°22'30" E., 21.954 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument boundary.</p>
22.239	<p>The point of intersection on the protracted sec. line bet. secs. 1 and 2, hereinbefore described.</p> <hr/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 5, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the witness point on the sec. line bet. secs. 5 and 6, hereinbefore described.</p> <p>S. 72°59'40" E., on line to AP 2, on a portion of the Canyon De Chelly National Monument southerly boundary.</p>

**Metes-and-Bounds Survey in Section 5,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Over gently rolling terrain, through scattered juniper.</p>
32.185	<p>Point for AP 2, sec. 5, identical with the Point of Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 2 to the witness point on the sec. line bet. secs. 5 and 8, along a circular curve to the right, having a central angle of 11°45'30", a radius of 2755.67 ft., the chord of said arc bears S. 67°06'40" E., 8.554 chs. dist.</p>
8.569	<p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p> <p>The witness point on the sec. line bet. secs. 5 and 8, hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 6, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the point for the witness point, on the sec. line bet. sec. 25, T 5 N., R. 10 W., Navajo Special Meridian, and sec. 6, T 31 N., R. 31 E., Gila and Salt River Meridian, on the W. bdy. of the Tp., at intersection with a portion of the Canyon De Chelly National Monument southerly boundary, and at a point along a circular curve to the left, the central angle of which is 55°16'40", the radius bears N. 36°05'50" E., 4083.87 ft. dist.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, to bedrock, in a supporting mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>2020</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel "T" post alongside and W. of cor.</p> <p>The cor. is located on the northeasterly edge of a wash, 2 ft. wide, 2 ft. deep, drains N. 30° W.</p> <p>From this witness point, the SE cor. of sec. 25, T. 5 N., R. 10 W., Navajo Special Meridian, bears S. 0°27' E., 3.39 chs. dist., hereinbefore described.</p>

**Metes-and-Bounds Survey in Section 6,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this same witness point, the 1/4 sec. cor. of sec. 25 only, T. 5 N., R. 10 W., Navajo Special Meridian, bears N. 0°27' W., 40.00 chs. dist., hereinbefore described.</p> <p>From this same witness point, AP 1 in sec. 6, of the metes-and-bounds survey of a portion of the Canyon De Chelly National Monument boundary, identical with the Point of Tangency, bears S. 63°27'00" E., 20.524 chs. dist., hereinafter described.</p> <p>From this same witness point, the beginning of the circular curve, bears N. 35°48'40" W., 38.433 chs. dist. Not monumented.</p> <p>On line to AP 1, sec. 6, along a portion of the same circular curve to the left, having a central angle of 19°05'30", a radius of 4083.87 ft., the chord of said arc bears S. 63°27'00" E., 20.524 chs. dist.</p> <p>Over rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
20.618	<p>Point for AP 1, sec. 6, identical with the Point of Tangency. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 72°59'40" E., on line 1 to the witness point on the N. and S. center line of sec. 6.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
4.768	<p>The witness point on the N. and S. center line of sec. 6, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 72°59'40" E., on line to the witness point on the sec. line bet. secs. 5 and 6.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary</p>
41.842	<p>The witness point on the sec. line bet. secs. 5 and 6, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in protracted Section 8, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the witness point on the sec. line bet. secs. 5 and 8.</p>

**Metes-and-Bounds Survey in protracted Section 8,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>On line to AP 3, sec. 8, along a circular curve to the right, having a central angle of 46°05'40", a radius of 2755.67 ft., the chord of said arc bears S. 38°11'10" E., 32.690 chs. dist.</p> <p>Over rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
33.590	<p>Point for AP 3, sec. 8, identical with the Point of Tangency. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 15°08'20" E., on line 3-4, on a portion of the Canyon De Chelly National Monument southerly boundary.</p>
14.20	<p>Power line, 2 strand, bears S. 39° E. and N. 39° W.</p>
37.756	<p>Point for AP 4, sec. 8, identical with the Point of Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 4 to the point of intersection on the protracted sec. line bet. secs. 8 and 17 and a portion of the Canyon De Chelly National Monument boundary, along a circular curve to the left, having a central angle of 23°21'00", a radius of 3264.34 ft., the chord of said arc bears S. 26°49'00" E., 20.018 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
20.157	<p>The point of intersection on the protracted sec. line bet. secs. 8 and 17, which is West, 2.316 chs. dist., from the cor. of secs. 8, 9, 16, and 17, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 9, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the witness point on the sec. line bet. secs. 9 and 16, hereinbefore described.</p> <p>N. 52°20'10" E., on line to the witness point on the sec. line bet. secs. 9 and 10.</p> <p>Over gently rolling terrain.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
3.219	<p>The witness point on the sec. line bet. secs. 9 and 10, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/>

**Metes-and-Bounds Survey in Section 10,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From the witness point on the sec. line bet. secs. 9 and 10.</p> <p>N. 52°20'10" E., on line to AP 6 in sec. 10, on a portion of the Canyon De Chelly National Monument southerly boundary.</p> <p>Over gently rolling terrain, through scattered juniper.</p>
26.764	<p>Point for AP 6, sec. 10, identical with the Point of Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/>
	<p>Thence, on line 6-7, along a circular curve to the right, having a central angle of 173°11'30", a radius of 360.00 ft., the chord of said arc bears S. 41°04'10" E., 10.890 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
16.488	<p>Point for AP 7, sec. 10, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/>
	<p>Thence, on line 7 to the witness point on the sec. line bet. secs. 10 and 15, along a circular curve to the left, having a central angle of 17°54'40", a radius of 2669.60 ft., the chord of said arc bears S. 36°34'10" W., 12.592 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
12.645	<p>The witness point on the sec. line bet. secs. 10 and 15, hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/>
	<p><b>Metes-and-Bounds Survey in protracted Section 13, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 80%; margin: 10px auto;"/>
	<p>From the witness point on the sec. line bet. secs. 13 and 24, hereinbefore described.</p> <p>On line to AP 11 in sec. 13, along a circular curve to the left, having a central angle of 34°03'50", a radius of 2641.71 ft., the chord of said arc bears N. 16°32'50" E., 23.448 chs. dist.</p> <p>Over rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
23.797	<p>Point for AP 11, sec. 13, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/>



**Metes-and-Bounds Survey in Section 13,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Thence, on line 11-12, along a circular curve to the right, having a central angle of 106°55'20", a radius of 1149.64 ft., the chord of said arc bears N. 52°58'30" E., 27.990 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
32.506	<p>Point for AP 12, sec. 13, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 12-13, along a circular curve to the left, having a central angle of 54°45'40", a radius of 2640.00 ft., the chord of said arc bears N. 79°03'20" E., 36.793 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
38.231	<p>Point for AP 13, sec. 13, identical with the Point of Reverse Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 13 to the witness point on the sec. line bet. secs. 13 and 18, on the E. bdy. of the Tp., along a circular curve to the right, having a central angle of 7°17'40", a radius of 2640.00 ft., the chord of said arc bears N. 55°19'00" E., 5.088 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
5.093	<p>The witness point on the sec. line bet. secs. 13 and 18, on the E. bdy. of the Tp., hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 15, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the witness point on the sec. line bet. secs. 10 and 15, hereinbefore described.</p> <p>On line to AP 8 in sec. 15, along a circular curve to the left, having a central angle of 33°14'20", a radius of 2669.60 ft., the chord of said arc bears S. 10°59'50" W., 23.138 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
10.45	<p>The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 74° E. and N. 74° W.</p>

**Metes-and-Bounds Survey in Section 15,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
23.465	<p>Point for AP 8, sec. 15, identical with the Point of Compound Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 8 to the witness point on the E. and W. center line of sec. 15, along a circular curve to the left, having a central angle of 10°58'00", a radius of 6083.66 ft., the chord of said arc bears S. 11°06'40" E., 17.618 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
17.643	<p>The witness point on the E. and W. center line of sec. 15, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line to the witness point on the N. and S. center line of sec. 15, along the same circular curve to the left, having a central angle of 25°45'30", a radius of 6083.66 ft., the chord of said arc bears S. 29°28'20" E., 41.092 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
41.440	<p>The witness point on the N. and S. center line of sec. 15, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line to the witness point on the sec. line bet. secs. 15 and 22, along the same circular curve to the left, having a central angle of 3°40'00", a radius of 6083.66 ft., the chord of said arc bears S. 44°11'10" E., 5.896 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
5.899	<p>The witness point on the sec. line bet. secs. 15 and 22, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 16, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the witness point on the sec. line bet. secs. 16 and 17, hereinbefore described.</p> <p>On line to the witness point on the N. and S. center line of sec. 16, along a circular curve to the left, having a central angle of 51°34'10", a radius of 3264.34 ft., the chord of said arc bears S. 68°24'30" E., 43.031 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p>

**Metes-and-Bounds Survey in Section 16,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	On a portion of the Canyon De Chelly National Monument southerly boundary.
44.517	The witness point on the N. and S. center line of sec. 16, hereinbefore described.  _____
	Thence, on line to AP 5, sec. 16, along the same circular curve to the left, having a central angle of 33°28'30", a radius of 3264.34 ft., the chord of said arc bears N. 69°04'20" E., 28.488 chs. dist.
	On a portion of the Canyon De Chelly National Monument southerly boundary.
27.21	Approximate location of underground water line, bears S. 28° E. and N. 28° W.
28.897	Point for AP 5, sec. 16, identical with the Point of Tangency. Not monumented.  _____
	N. 52°20'10" E., on line 5 to the witness point on the sec. line bet. secs. 9 and 16.
	On a portion of the Canyon De Chelly National Monument southerly boundary.
11.04	The National Park Service road 10, asphalt surfaced, 25 ft. wide, bears S. 74° E. and N. 74° W.
13.682	The witness point on the sec. line bet. secs. 9 and 16, hereinbefore described.  _____
	<b>Metes-and-Bounds Survey in protracted Section 17, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b>
	From the point of intersection on the protracted sec. line bet. secs. 8 and 17 and a portion of the Canyon De Chelly National Monument southerly boundary, hereinbefore described.
	On line to the witness point on the sec. line bet. secs. 16 and 17, along a circular curve to the left, having a central angle of 4°07'50", a radius of 3264.34 ft., the chord of said arc bears S. 40°33'20" E., 3.565 chs. dist. Over gently rolling terrain, through scattered juniper.
	On a portion of the Canyon De Chelly National Monument southerly boundary.

**Metes-and-Bounds Survey in Section 17,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	
3.566	<p>The witness point on the sec. line bet. secs. 16 and 17, hereinbefore described.</p> <hr/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in protracted Section 22, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the witness point on the sec. line bet. secs. 15 and 22, hereinbefore described.</p> <p>On line to the witness point on the sec. line bet. secs. 22 and 23, along a circular curve to the left, having a central angle of 26°13'30", a radius of 6083.66 ft., the chord of said arc bears S. 59°07'40" E., 41.828 chs. dist.</p> <p>Over gently rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
42.190	<p>The witness point on the sec. line bet. secs. 22 and 23, hereinbefore described.</p> <hr/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 23, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the witness point on the sec. line bet. secs. 22 and 23.</p> <p>On line to the witness point on the N. and S. center line of sec. 23, along a circular curve to the left, having a central angle of 25°10'00", a radius of 6083.66 ft., the chord of said arc bears S. 84°49'20" E., 40.165 chs. dist.</p> <p>Over rolling and broken terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
36.14	<p>The National Park Service Road 10, asphalt surfaced, 25 ft. wide, bears S. 15° E. and N. 15° W.</p>
40.488	<p>The witness point on the N. and S. center line of sec. 23, hereinbefore described.</p> <hr/> <p>Thence, on line to AP 9, sec. 23, along the same circular curve to the left, having a central angle of 16°00'40", a radius of 6083.66 ft., the chord of said arc bears N. 74°35'50" E., 25.675 chs. dist.</p>

**Metes-and-Bounds Survey in Section 23,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
25.758	<p>Point for AP 9, sec. 23, identical with the Point of Tangency. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 66°35'20" E., on line 9-10, on a portion of the Canyon De Chelly National Monument southerly boundary.</p>
9.217	<p>Point for AP 10, sec. 23, identical with the Point of Curvature. Not monumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence, on line 10 to the witness point on the sec. line bet. secs. 23 and 24, along a circular curve to the left, having a central angle of 11°07'10", a radius of 2641.71 ft., the chord of said arc bears N. 61°01'50" E., 7.756 chs. dist.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
7.768	<p>The witness point on the sec. line bet. secs. 23 and 24, hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;"><b>Metes-and-Bounds Survey in Section 24, T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona</b></p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the witness point on the sec. line bet. secs. 23 and 24.</p> <p>On line to the witness point on the sec. line bet. secs. 13 and 24, along a circular curve to the left, having a central angle of 21°53'30", a radius of 2641.71 ft., the chord of said arc bears N. 44°31'30" E., 15.201 chs. dist.</p> <p>Over broken and rolling terrain, through scattered juniper.</p> <p>On a portion of the Canyon De Chelly National Monument southerly boundary.</p>
15.293	<p>The witness point on the sec. line bet. secs. 13 and 24, hereinbefore described.</p> <hr style="width: 80%; margin: 10px auto;"/>

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	GENERAL DESCRIPTION
	<p>The area surveyed is located within the Navajo Nation and is approximately 9 1/2 miles southeast of Chinle, AZ, and 7.8 miles S. 72° E., of the northerly end of the runaway of the Chinle Airport.</p> <p>Access to the township south of the Canyon De Chelly is provided by paved roads including the National Park Service road 10, which runs southeasterly and northwesterly through portion of the township, entering the northwest portion of section 6, and exiting the northeast portion of section 26, and thence becoming the Sawmill road, a graded dirt road, running southeasterly and northwesterly, and exiting the southeasterly portion of section 25. The White House Overlook road, extends northerly from the National Park Service road 10, in the northeast portion of section 6, and exits the township in the northeast portion of section 6. The Sliding Rock road, extends northeasterly and northwesterly from the National Park Service road 10, in the northwest portion of section 15, through section 10, with its terminus at the Sliding Rock Overlook parking lot, in the northwest portion of section 10, and in the southwest portion of section 3. The Spider Rock road, extends northeasterly from the National Park Service road 10, in the northeast portion of section 26, through the southeast portion of section 23, and the southwest and southeast portions of section 24, and exiting the northeast portion of section. 24.</p> <p>Access to the township north of the Canyon De Chelly is provided by paved roads including the Indian Route 64 and a series of bladed roads and trail roads. Further access to the township is provided by several bladed roads, and a series of trail roads. ATV's were required to access the majority of the township.</p> <p>The terrain is predominately rolling, with sandy soil, and sparse sandstone outcroppings. Juniper trees are predominate throughout the township. Vegetation consists of sage brush, rabbit brush, and native grasses. The elevation ranges from about 5650 to 6850 feet above sea level. There is scattered housing throughout the SW 1/4 of sec. 4; S 1/2 and NW 1/4 of sec. 5; NE 1/4 and S 1/2 of sec. 6; SE 1/4 of sec. 9; sec. 10; SW 1/4 of sec. 15; E 1/2 of sec. 16; S 1/2 of sec. 23; SE 1/4 of sec. 24; SE 1/4 of sec. 25; and E 1/2 of sec. 26.</p> <p>The Canyon De Chelly, the Wild Cherry Canyon and the Spring Canyon, entering the township, from east bdy. of sec. 12, and meander through sections 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, and exiting the township, through the northeastern portion of section 6.</p> <p>The mean magnetic declination of 9 3/4° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2020 for the dates of survey.</p>

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS

**Composite Description of portions of the  
Canyon De Chelly National Monument Boundary,  
T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona**

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Beginning at the witness point on the sec. line bet. sec. 25, T 5 N., R. 10 W., Navajo Special Meridian, and sec. 6, T 31 N., R. 31 E., Gila and Salt River Meridian, on the W. bdy. of the Tp.

thence 20.618 chs. dist., along a circular curve to the left, having a central angle of  $19^{\circ}05'30''$ , a radius of 4083.87 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 63^{\circ}27'00'' E.$ , 20.524 chs. dist., to AP 1, sec. 6, identical with the Point of Tangency.

thence  $S. 72^{\circ}59'40'' E.$ , 4.768 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to the witness point on the N. and S. center line of sec. 6.

thence  $S. 72^{\circ}59'40'' E.$ , 41.842 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to the witness point on the sec. line bet. secs. 5 and 6.

thence  $S. 72^{\circ}59'40'' E.$ , 32.185 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to AP 2, sec. 5, identical with the Point of Curvature.

thence 8.569 chs. dist., along a circular curve to the right, having a central angle of  $11^{\circ}45'30''$ , a radius of 2755.67 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 67^{\circ}06'40'' E.$ , 8.554 chs. dist., to the witness point on the sec. line bet. secs. 5 and 8.

thence 33.590 chs. dist., continuing along the circular curve to the right, having a central angle of  $46^{\circ}05'40''$ , a radius of 2755.67 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 38^{\circ}11'10'' E.$ , 32.690 chs. dist., to AP 3, sec. 8, identical with the Point of Tangency.

thence  $S. 15^{\circ}08'20'' E.$ , 37.756 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to AP 4, sec. 8, identical with the Point of Curvature.

thence 20.157 chs. dist., along a circular curve to the left, having a central angle of  $23^{\circ}21'00''$ , a radius of 3264.34 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 26^{\circ}49'00'' E.$ , 20.018 chs. dist., to the point of intersection on the protracted sec. line bet. secs. 8 and 17, which is West, 2.316 chs. dist., from the cor. of secs. 8, 9, 16, and 17.

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

thence 3.566 chs. dist., continuing along the circular curve to the left, having a central angle of  $4^{\circ}07'50''$ , a radius of 3264.34 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 40^{\circ}33'20'' E.$ , 3.565 chs. dist., to the witness point on the sec. line bet. secs. 16 and 17.

thence 44.517 chs. dist., continuing along the circular curve to the left, having a central angle of  $51^{\circ}34'10''$ , a radius of 3264.34 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 68^{\circ}24'30'' E.$ , 43.031 chs. dist., to the witness point on the N. and S. center line of sec. 16.

thence 28.897 chs. dist., continuing along the circular curve to the left, having a central angle of  $33^{\circ}28'30''$ , a radius of 3264.34 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $N. 69^{\circ}04'20'' E.$ , 28.488 chs. dist., to AP 5, sec. 16, identical with the Point of Tangency.

thence  $N. 52^{\circ}20'10'' E.$ , 13.682 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to the witness point on the sec. line bet. secs. 9 and 16.

thence  $N. 52^{\circ}20'10'' E.$ , 3.219 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to the witness point on the sec. line bet. secs. 9 and 10.

thence  $N. 52^{\circ}20'10'' E.$ , 26.764 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to AP 6, sec. 10, identical with the Point of Curvature.

thence 16.488 chs. dist., along a circular curve to the right, having a central angle of  $173^{\circ}11'30''$ , a radius of 360.00 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 41^{\circ}04'10'' E.$ , 10.890 chs. dist., to AP 7, sec. 10, identical with the Point of Reverse Curvature.

thence 12.645 chs. dist., along a circular curve to the left, having a central angle of  $17^{\circ}54'40''$ , a radius of 2669.60 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 36^{\circ}34'10'' W.$ , 12.592 chs. dist., to the witness point on the sec. line bet. secs. 10 and 15.

thence 23.465 chs. dist., continuing along the circular curve to the left, having a central angle of  $33^{\circ}14'20''$ , a radius of 2669.60 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears  $S. 10^{\circ}59'50'' W.$ , 23.138 chs. dist., to AP 8, sec. 15, identical with the Point of Compound Curvature.



## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

thence 17.643 chs. dist., along a circular curve to the left, having a central angle of  $10^{\circ}58'00''$ , a radius of 6083.66 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears S.  $11^{\circ}06'40''$  E., 17.618 chs. dist., to the witness point on the E. and W. center line of sec. 15.

thence 41.440 chs. dist., continuing along the circular curve to the left, having a central angle of  $25^{\circ}45'30''$ , a radius of 6083.66 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears S.  $29^{\circ}28'20''$  E., 41.092 chs. dist., to the witness point on the N. and S. center line of sec. 15.

thence 5.899 chs. dist., continuing along the circular curve to the left, having a central angle of  $3^{\circ}40'00''$ , a radius of 6083.66 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears S.  $44^{\circ}11'10''$  E., 5.896 chs. dist., to the witness point on the sec. line bet. secs. 15 and 22.

thence 42.190 chs. dist., continuing along the circular curve to the left, having a central angle of  $26^{\circ}13'30''$ , a radius of 6083.66 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears S.  $59^{\circ}07'40''$  E., 41.828 chs. dist., to the witness point on the sec. line bet. secs. 22 and 23.

thence 40.488 chs. dist., continuing along the circular curve to the left, having a central angle of  $25^{\circ}10'00''$ , a radius of 6083.66 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears S.  $84^{\circ}49'20''$  E., 40.165 chs. dist., to the witness point on the N. and S. center line of sec. 23.

thence 25.758 chs. dist., continuing along the circular curve to the left, having a central angle of  $16^{\circ}00'40''$ , a radius of 6083.66 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $74^{\circ}35'50''$  E., 25.675 chs. dist., to AP 9, sec. 23, identical with the Point of Tangency.

thence N.  $66^{\circ}35'20''$  E., 9.217 chs. dist., on a portion of the Canyon De Chelly National Monument southerly boundary, to AP 10, sec. 23, identical with the Point of Curvature.

thence 7.768 chs. dist., along a circular curve to the left, having a central angle of  $11^{\circ}07'10''$ , a radius of 2641.71 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $61^{\circ}01'50''$  E., 7.756 chs. dist., to the witness point on the sec. line bet. secs. 23 and 24.

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

thence 15.293 chs. dist., continuing along the circular curve to the left, having a central angle of  $21^{\circ}53'30''$ , a radius of 2641.71 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $44^{\circ}31'30''$  E., 15.201 chs. dist., to the witness point on the sec. line bet. secs. 13 and 24.

thence 23.797 chs. dist., continuing along the circular curve to the left, having a central angle of  $34^{\circ}03'50''$ , a radius of 2641.71 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $16^{\circ}32'50''$  E., 23.448 chs. dist., to AP 11, sec. 13, identical with the Point of Reverse Curvature.

thence 32.506 chs. dist., along a circular curve to the right, having a central angle of  $106^{\circ}55'20''$ , a radius of 1149.64 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $52^{\circ}58'30''$  E., 27.990 chs. dist., to AP 12, sec. 13, identical with the Point of Reverse Curvature.

thence 38.231 chs. dist., along a circular curve to the left, having a central angle of  $54^{\circ}45'40''$ , a radius of 2640.00 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $79^{\circ}03'20''$  E., 36.793 chs. dist., to AP 13, sec. 13, identical with the Point of Reverse Curvature.

thence 5.093 chs. dist., along a circular curve to the right, having a central angle of  $7^{\circ}17'40''$ , a radius of 2640.00 ft., on a portion of the Canyon De Chelly National Monument southerly boundary, the chord of said arc bears N.  $55^{\circ}19'00''$  E., 5.088 chs. dist., to the witness point on the sec. line bet. secs. 13 and 18, on the E. bdy. of the Tp.

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From the witness point on the sec. line bet. secs. 2 and 35, on the N. bdy. of the Tp., which is West, 70.442 chs. dist., from the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.

thence 1.103 chs. dist., along a circular curve to the right, having a central angle of  $1^{\circ}34'50''$ , a radius of 2640.00 ft., the chord of said arc bears S.  $35^{\circ}05'30''$  E., 1.103 chs. dist., to AP 14, sec. 2, identical with the Point of Reverse Curvature.

thence 73.171 chs. dist., along a circular curve to the left, having a central angle of  $79^{\circ}23'50''$ , a radius of 3485.00 ft., the chord of said arc bears S.  $74^{\circ}00'30''$  E., 67.456 chs. dist., to AP 15, sec. 2, identical with the Point of Reverse Curvature.

## T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

thence 5.326 chs. dist., along a circular curve to the right, having a central angle of  $5^{\circ}16'20''$ , a radius 3820.00 ft., the chord of said arc bears N.  $68^{\circ}55'50''$  E., 5.323 chs. dist., to the point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, which is N.  $0^{\circ}01'$  W., 142.417 chs. dist., from the cor. of secs. 11, 12, 13, and 14.

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thence 59.407 chs. dist., continuing along the circular curve to the right, having a central angle of  $58^{\circ}48'30''$ , a radius of 3820.00 ft., the chord of said arc bears S.  $79^{\circ}01'40''$  E., 56.830 chs. dist., to AP 16, sec. 1, identical with the Point of Reverse Curvature.

thence 26.013 chs. dist., along a circular curve to the left, having a central angle of  $47^{\circ}17'30''$ , a radius of 2080.00 ft., the chord of said arc bears S.  $73^{\circ}16'10''$  E., 25.281 chs. dist., to the witness point on the sec. line bet. secs. 1 and 6, on the E. bdy. of the Tp.

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From the witness point on the sec. line bet. 2 and 35, on the N. bdy. of the Tp., which is West, 24.804 chs. dist., from the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.

thence 5.292 chs. dist., along a circular curve to the right, having a central angle of  $7^{\circ}34'50''$ , a radius of 2640.00 ft., the chord of said arc bears S.  $56^{\circ}14'20''$  E., 5.289 chs. dist., to AP 17, sec. 2, identical with the Point of Reverse Curvature.

thence 22.239 chs. dist., along a circular curve to the left, having a central angle of  $31^{\circ}51'20''$ , a radius of 2640.00 ft., the chord of said arc bears S.  $68^{\circ}22'30''$  E., 21.954 chs. dist., to the point of intersection on the protracted sec. line bet. secs. 1 and 2 and a portion of the Canyon De Chelly National Monument boundary, which is N.  $0^{\circ}01'$  W., 148.960 chs. dist., from the cor. of secs. 11, 12, 13, and 14.

thence 34.699 chs. dist., continuing along the circular curve to the left, having a central angle of  $49^{\circ}42'10''$ , a radius of 2640.00 ft., the chord of said arc bears N.  $70^{\circ}50'50''$  E., 33.622 chs. dist., to the witness point on the sec. line bet. secs. 1 and 36, on the N. bdy. of the Tp.

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CERTIFICATE OF SURVEY

We, Fabian Yazzie, and Blas J. Urena, Cadastral Surveyors, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 20th day of November, 2018, and of amended special instructions bearing date of the 10th day of August, 2020, We have dependently resurveyed a portion of the east boundary, T. 5 N., R. 10 W., of the Navajo Special Meridian surveyed the south, east, and north boundaries, a portion of the subdivisional lines, and the subdivision of certain sections, and performed metes-and-bounds surveys of portions of the Canyon De Chelly National Monument boundary, T. 31 N., R. 27 E., 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 us and under our direction. Said survey has been made in strict conformity with said special and amended 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.

5/11/2021

(Date)



(Cadastral Surveyor)

5/11/2021

(Date)

Blas J. Urena

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the east boundary, T. 5 N., R. 10 W., of the Navajo Special Meridian, the survey of the south, east, and north boundaries, a portion of the subdivisional lines, and the subdivision of certain sections, and metes-and-bounds surveys of portions of the Canyon De Chelly National Monument boundary, T. 31 N., R. 27 E., Gila and Salt River Meridian, in the State of Arizona, executed by Fabian Yazzie, and Blas J. Urena, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

5/27/2021

(Date)



(Chief Cadastral Surveyor of Arizona)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 5 N., R. 10 W., of the Navajo Special Meridian, and T. 31 N., R. 27 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)