

ORIGINAL

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

FIELD NOTES  
OF THE  
SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES  
AND  
THE SUBDIVISION OF CERTAIN SECTIONS  
**TOWNSHIP 36 NORTH, RANGE 8 EAST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Fabian Yazzie, Cadastral Surveyor**

Under Special Instructions dated August 4, 2015, approved August 4, 2015, which provided for the surveys included under Group No. 1147, and assignment instructions dated August 4, 2015.

**Survey commenced August 11, 2015**

**Survey completed October 27, 2015**

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GILA & SALT RIVER MERIDIAN, ARIZONA

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## T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the survey of a portion of the subdivisional lines, and the subdivision of certain sections, Township 36 North, Range 8 East, Gila and Salt River Meridian, Arizona.

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

Leonard R. Sandoval established the standard corner of Townships 37 North, Ranges 8 and 9 East, on the Ninth Standard Parallel North and on the Second Guide Meridian East, during the survey of a portion of the Second Guide Meridian East (east boundary), Township 40 North, Range 9 East, in 2005. Joe R. Salazar established the northwest township corner, Township 35 and 36 North, Range 9 East, on the Second Guide Meridian East, in 2009. Craig S. Dukart dependently resurveyed the Second Guide Meridian East (east boundary) and surveyed the west and north boundaries and the subdivisional lines, Township 35 North, Range 8 East, in 2010. Craig S. Dukart established the southeast and southwest township corners, Township 37 North, Range 7 East, in 2010. Craig S. Dukart established the northwest township corner and an electronic control station monument, Township 36 North, Range 8 East, in 2010. Data from the Dukart survey was utilized in the production of an Amended Protraction Diagram, approved April 20, 2011, which superseded Arizona Protraction Diagram No. 32. Fabian Yazzie surveyed a portion of the Ninth Standard Parallel North (south boundary) Township 37 North, Range 7 East, surveyed the east boundary (west boundary), a portion of the subdivisional lines, and certain sections, Township 36 North, Range 7 East, concurrently under this same group.

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 August 4, 2015, for Group Number 1147, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 model receivers.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AI8805 FRED FREDONIA CORS, AI8820 FERN FERNO MESA CORS, DI2245 P011 SPIDERROCKAZ2005 CORS, DN7504 SGU1 ST GEORGE PUTIL CORS, DL1898 AZPS PRESCOTT CORS, DI2242 MARYSVALE\_UT2006 CORS, and DK8419 AZPG CITY OF PAGE CORS. The NAD 83 (2011) (EPOCH: 2010), geographic position of the following two corners are as follows:

The witness corner to corner of sections 4, 5, 32, and 33 of Townships 35 and 36 North, Range 8 East:

Latitude: 36°28'07.117" N.                      Longitude: 111°33'17.264" W.

## T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>The corner of sections 7, 12, 13, and 18:</p> <p>Latitude: 36°31'36.031" N.                      Longitude: 111°35'25.036" W.</p> <p>The mean magnetic declination is 11° E.</p> <hr/> <p style="text-align: center;"><b>Survey of a Portion of the Subdivisional Lines, T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>Beginning at the true point for the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., from this true point, a witness cor. for the cor. of secs. 4, 5, 32, and 33, bears S. 35°28' W., 25 lks. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. WC T36N R8E S32 S33 S5 S4 T35N 2010 2012. Add the marks 2015 to the brass cap.</p> <p>N. 0°03' W., bet. secs. 32 and 33.</p> <p>Ascending over rolling and broken foothills of Echo Cliffs.</p>
40.00	<p>True point for the 1/4 sec. cor. of secs. 32 and 33, not monumented, cor. falls behind the high shelf of Echo Cliffs, where it is inaccessible and impracticable to establish a permanent monument.</p> <p>Thence, along steep W. face of Echo Cliffs.</p>
80.00	<p>True point for the cor. of secs. 28, 29, 32, and 33, not monumented, cor. falls on near vertical cliff of a canyon within Echo Cliffs, where it is impracticable to establish a permanent monument.</p> <p>Land, rolling, broken, face of Echo Cliffs. Soil, sandy loam, and sandstone bedrock. Timber, sparse juniper. Undergrowth, native grasses, rabbit brush, and Mormon tea.</p> <hr/> <p>From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with a steel fence post, N. of cor., with brass cap mkd. T36N R8E S31 S32 S6 S5 T35N 2012 2010. Add the marks 2015 to the brass cap.</p> <p>N. 0°03' W., bet. secs. 31 and 32.</p> <p>Descending into gently rolling land, through Cornfield Valley.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 31 and 32.</p>

**Survey of a Portion of the Subdivisional Lines,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<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 36 N R 8 E 1/4 S 31   S 32</p> <p style="text-align: center;">2015</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 W. of cor.</p> <p>Cor. is located 60 lks. N., and 20 lks. E. of the W. right-of-way fence of State Highway 89, barbed wire, bears S. 15° E. and N. 15° W., and is also located 3.0 chs. W. of State Highway 89, an asphalt surfaced road, 43 ft. wide, bears S. 15° E. and N. 15° W.</p>
46.22	<p>From this point, a right-of-way monument, bears W., 2.12 chs. dist., monumented with an aluminum tablet, 3 ins. diam., set flush in a concrete cylinder, 15 ins. diam., firmly set, flush with the surface of the ground, mkd. A.D.O.T. HIGHWAY DIV. 19, with an angle iron, firmly set, nearby, mkd. HWY. R. of W. D.O.T. 2365+00.</p>
49.50	<p>State Highway 89, an asphalt surfaced road, 43 ft. wide, bears S. 15° E. and N. 15° W.</p>
59.20	<p>Access road entrance on the E. right-of-way fence of State Highway 89, barbed wire, parallels highway.</p>
59.90	<p>Power line, 4 strand, bears S. 15° E. and N. 15° W.</p>
80.00	<p>Point for the cor. of secs. 29, 30, 31, and 32.</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> <p style="text-align: center;">T 36 N R 8 E S 30   S 29 S 31   S 32</p> <p style="text-align: center;">2015</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 W. of cor.</p>

**Survey of a Portion of the Subdivisional Lines,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From this cor. point, a rebar, 5/8 in. diam., of unknown origin, firmly set, 2 ins. above the ground, bears S. 21°04' E., 2.24 chs. dist.</p> <p>Cor. is located 1.15 chs. E. of a two track road, bears S. 15° E. and N. 15° W.</p> <p>Land, gently rolling to nearly level, in Cornfield Valley. Soil, sandy loam. No timber. Undergrowth, native grasses, salt brush, rabbit brush, and tumble weeds.</p> <hr/> <p>From the true point for the cor. of secs. 28, 29, 32, and 33. West, bet. secs. 29 and 32. Descending steep W. face of Echo Cliffs.</p>
30.18	<p>Point selected for an online witness point, on the W. slope of foothills, thence descend foothills of Echo Cliffs.</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> <p style="text-align: center;">WP T 36 N R 8 E S 29 ----- S 32 2015</p> <p>Deposit three 60D nails, at the base of the stainless steel post.</p> <p>Cor. is located on the W. facing slope of bottom shelf to Echo Cliffs, among sandstone boulders and rock outcrops.</p>
33.60	<p>Intersect irregular barbed wire fence, bears N. 20° E., to terminate at the base of foothills, and S. 20° W. to an angle point, extending S. 50° W. across the Cornfield Valley floor.</p>
34.35	<p>Base of foothills and finger ridge to Echo Cliffs, 1400 ft. high, bears S. 5° W. and S. 55° W.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 29 and 32.</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>

**Survey of a Portion of the Subdivisional Lines,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	T 36 N R 8 E S 29 1/4 ——— S 32  2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Set a steel fence post N. of cor.
44.20	Intersect barbed wire fence to uncultivated land, bears S. 30° E. and N. 30° W. to wood fence corner post of barbed wire fences extending S. 70° W. and N. 30° W.
62.50	Right bank of Tanner Wash, 3 ft. high, bears N. 5° E. and S. 30° E.
65.45	Left bank of Tanner Wash, 6 ft. high, bears N. 5° E. and S. 5° W.
80.00	The cor. of secs. 29, 30, 31, and 32.  Land, extremely rugged, to nearly level, in Cornfield Valley. Soil, sandstone bedrock, rock outcrops, and sandy loam. Timber, scattered juniper atop shelf of Echo Cliffs. Undergrowth, native grasses, salt brush, rabbit brush, and tumble weeds.
	West, bet. secs. 30 and 31.  Over nearly level land, in Cornfield Valley.
5.20	Trail road, bears S. 60° E. and N. 60° W.
6.25	Power line, 4 strand, bears S. 20° E. and N. 20° W.
6.55	E. right-of-way fence of State Highway 89, barbed wire, parallels highway.
9.50	State Highway 89, an asphalt surfaced road, 46 ft. wide, bears S. 15° E. and N. 15° W.
12.70	W. right-of-way fence of State Highway 89, barbed wire, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 30 and 31.  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. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 36 N R 8 E S 30 1/4 ——— S 31  2015
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post N. of cor.</p> <p>Cor. is located 1.30 chs. E. of a two track road within a wash, 30 ft. wide, 4 ft. deep on right cut bank, drains N. 10° E., and is 2.25 chs. N. of the same meandering wash and two track road, 40 ft. wide, 4 ft. deep on right cut bank, drains N. 45° E.</p> <p>Cor. is also located 35 lks. E. and 50 lks. S. of a wash, 4 ft. wide, 1/2 ft. deep, drains N. 40° E.</p>
78.22	<p>The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.</p> <p>Land, nearly level, in Cornfield Valley, to gently rolling. Soil, sandy loam and limestone bedrock. Timber, scattered juniper atop limestone mesas. Undergrowth, native grasses, salt brush, rabbit brush, and tumble weeds.</p> <hr/> <p>From the cor. of secs. 29, 30, 31, and 32.</p> <p>N. 0°03' W., bet. secs. 29 and 30.</p> <p>Over nearly level land, in Cornfield Valley.</p>
32.70	<p>Barbed wire fence, separating small housing cluster and uncultivated land, bears S. 10° E. and N. 10° W.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 29 and 30.</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>
	T 36 N R 8 E 1/4 S 30   S 29  2015



**Survey of a Portion of the Subdivisional Lines,  
T. 36 N., R. 8 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 fence post W. of cor.</p> <p>Cor. is located 1.20 chs. S. of a wash, 25 ft. wide, 1 ft. deep, drains N. 60° E., and 35 lks. E. of a two track road, bears N. and S., and 1.20 chs. E. of a barbed wire fence, separating a small cluster of houses and uncultivated land, bears S. 10° E. and N. 10° W.</p>												
62.65	Left bank of Tanner Wash, 4 ft. high, bears S. 60° E. and N. 60° W.												
64.90	Right bank of Tanner Wash, 1 ft. high, bears S. 50° E. and N. 50° W.												
75.05	Intersect barbed wire fence to uncultivated land, bears N. 60° E. to a wood fence cor. post of barbed wire fences extending S. 40° E., and S. 60° W. to another wood fence cor. post of barbed wire fences extending N. 30° W.												
80.00	<p>Point for the cor. of secs. 19, 20, 29, and 30.</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 colspan="2">T 36 N</td> <td colspan="2">R 8 E</td> </tr> <tr> <td style="border-right: 1px solid black; border-bottom: 1px solid black;">S 19</td> <td style="border-bottom: 1px solid black;"></td> <td style="border-right: 1px solid black; border-bottom: 1px solid black;">S 20</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="border-right: 1px solid black;">S 30</td> <td></td> <td style="border-right: 1px solid black;">S 29</td> <td></td> </tr> </table> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post W. of cor.</p> <p>From this cor. point, a wood fence cor. post of barbed wire fences, extending S. 30° E. and N. 85° W., bears S. 73° W., 3.53 chs. dist.</p> <p>Land, nearly level, in Cornfield Valley. Soil, sandy loam. No timber. Undergrowth, native grasses, salt brush, rabbit brush, and tumble weeds.</p> <hr style="width: 50%; margin-left: 0;"/> <p>West, bet. secs. 19 and 30.</p> <p>Over nearly level land, in Cornfield Valley.</p>	T 36 N		R 8 E		S 19		S 20		S 30		S 29	
T 36 N		R 8 E											
S 19		S 20											
S 30		S 29											

**Survey of a Portion of the Subdivisional Lines,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
22.00	Right bank of Tanner Wash, 5 ft. high, bears S. 20° E. and N. 20° W.
24.00	Left bank of Tanner Wash, 4 ft. high, bears S. 30° E. and N. 30° W.
31.15	Power line, 4 strand, bears S. 20° E. and N. 20° W.
32.85	E. right-of-way fence of State Highway 89, barbed wire, parallels highway.
34.40	State Highway 89, an asphalt surfaced road, 42 ft. wide, bears S. 15° E. and N. 15° W.
37.60	W. right-of-way fence of State Highway 89, barbed wire, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 30.  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 36 N R 8 E S 19 1/4 ——— S 30</p> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post N. of cor.</p> <p>Cor. is located 2.20 chs. S. of an access trail road, bears N. 45° E. and S. 45° W., and is 30 lks. W. of a power line, 2 strand, extending S. 55° E. to a utility pole, with 2 strand power line, extending S. 75° W., terminating at a residential house.</p>
78.13	The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.  Land, nearly level, in Cornfield Valley, to gently rolling. Soil, sandy loam and limestone bedrock. Timber, sparse juniper atop limestone mesas. Undergrowth, native grasses, salt brush, and rabbit brush.

**Survey of a Portion of the Subdivisional Lines,  
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CHAINS	
	<p>From the cor. of secs. 19, 20, 29, and 30.</p> <p>N. 0°03' W., bet. secs. 19 and 20.</p> <p>Over nearly level land, in Cornfield Valley.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 19 and 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in sandstone bedrock, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 36 N R 8 E</p> <p>1/4</p> <p>S 19   S 20</p> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post W. of cor.</p> <p>Cor. is located 9.85 lks. W., and 18 lks. S. of a meandering wash, 2 ft. wide, 2 ft. deep, drains N. 60° W.</p> <p>Ascend, over westerly facing slope of Echo Cliffs.</p>
80.00	<p>Point for the cor. of secs. 17, 18, 19, and 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in sandstone bedrock, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 36 N R 8 E</p> <p>S 18   S 17</p> <hr style="width: 50%; margin: 0 auto;"/> <p>S 19   S 20</p> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post E. of cor.</p> <p>From this corner, an electronic control point, designated as EC No. 1, with recorded latitude of 36°30'41.877" N. and longitude of 111°32'29.258" W., NAD 83, bears S. 88°46' E., 139.49 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with a steel fence post, N. of cor., with brass cap mkd. T36N R8E EC NO 1 GP NO 1080 2010. Add the marks 2015 to the brass cap, from which</p>

**Survey of a Portion of the Subdivisional Lines,  
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CHAINS	
	<p>A reference monument, bears N. 17°46' W., 33.0 ft. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. RM T36N R8E S21 33.0 FT TO COR 2010 and an arrow pointing to the cor. Add the marks 2015 to the brass cap.</p> <p>Sec. Cor. is located on a sandstone shelf, in a small canyon of Echo Cliffs, 1000 ft. high, and is 20 lks. W. of a sandstone rim, 8 ft. high, bears N. 10° E. and S. 40° W., and is 25 lks. N. of the same, bears N. 40° E. and S. 40° W.</p> <p>Sec. Cor. is also located 1.60 chs. W. from the top of Echo Cliffs, 100 ft. high, bears S. 15° E. and N. 20° W., and is 1.30 chs. N. of sandstone ridge top, bears N. 45° E. and S. 25° W., and is 1.05 chs. E. of cliff edge of sandstone shelf, 1000 ft. high, bears S. 15° E. and N. 45° W.</p> <p>Land, nearly level to extremely rugged, face of Echo Cliffs. Soil, sandy loam, and sandstone bedrock. Timber, scattered juniper atop shelf of Echo Cliffs. Undergrowth, native grasses, black brush, and rabbit brush.</p> <hr/> <p>West, bet. secs. 18 and 19.</p> <p>Descend westerly steep face of Echo Cliffs.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 18 and 19.</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 36 N R 8 E</p> <p>S 18</p> <p>1/4 ———</p> <p>S 19</p> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post N. of cor.</p>
46.50	Two track road, bears S. 50° E. and N. 50° W.
46.75	Underground water line, bears S. 50° E. and N. 50° W.
57.00	Right bank of Tanner Wash, 2 ft. high, bears S. 20° E. and N. 20° W.
58.90	Left bank of Tanner Wash, 4 ft. high, bears S. 30° E. and N. 30° W.

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CHAINS	
64.50	Power line, 4 strand, bears S. 30° E. and N. 30° W.
67.60	E. right-of-way fence of State Highway 89, barbed wire, parallels highway.
69.40	State Highway 89, an asphalt surfaced road, 47 ft. wide, bears S. 40° E. and N. 40° W.
70.95	W. right-of-way fence of State Highway 89, also fenced around a culvert, barbed wire, parallels highway.
78.03	<p>The cor. of secs. 13, 18, 19, and 24, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.</p> <p>Land, extremely rugged to nearly level, in Cornfield Valley. Soil, sandstone, and sandy loam. Timber, scattered juniper atop Echo Cliffs, to none in Cornfield Valley. Undergrowth, native grasses, salt brush, prickly pear, cholla, and Mormon tea.</p> <hr/> <p>From the cor. of secs. 17, 18, 19, and 20.</p> <p>N. 0°03' W., bet. secs. 17 and 18.</p> <p>Ascending steep westerly face of Echo Cliffs.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 17 and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in sandstone bedrock, with brass cap mkd.</p> <p style="text-align: center;">T 36 N R 8 E 1/4 S 18   S 17</p> <p style="text-align: center;">2015</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located 10 lks. W. of westerly base of Echo Cliffs, 100 ft. high, bears S. 5° W. and N. 20° W., and 1.50 chs. N. of sandstone rim, 10 ft. high, bears S. 15° E. and N. 10° W.</p> <p>Thence, ascend atop of Echo Cliffs.</p>
80.00	Point for the cor. of secs. 7, 8, 17, and 18.

Survey of a Portion of the Subdivisional Lines,  
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CHAINS									
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in sandstone bedrock, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T 36 N</td> <td>R 8 E</td> </tr> <tr> <td>S 7</td> <td>S 8</td> </tr> <tr> <td>S 18</td> <td>S 17</td> </tr> </table> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located 90 lks. N. of a wash, 3 ft. wide, 1 ft. deep, drains N. 30° E.</p> <p>Land, extremely rugged, and broken, atop Echo Cliffs. Soil, sandstone, and sandy loam. Timber, scattered juniper and piñon atop Echo Cliffs. Undergrowth, native grasses, black brush, and rabbit brush.</p> <hr/> <p>West, bet. secs. 7 and 18.</p> <p>Ascend easterly slope of Echo Cliffs.</p>	T 36 N	R 8 E	S 7	S 8	S 18	S 17		
T 36 N	R 8 E								
S 7	S 8								
S 18	S 17								
35.52	<p>Point selected for an online witness point, on the top ridge of Echo Cliffs, thence descend steep westerly face of Echo Cliffs.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in sandstone bedrock, with brass cap mkd.</p> <div style="text-align: center;"> <p>WP</p> <table border="1"> <tr> <td>T 36 N</td> <td>R 8 E</td> </tr> <tr> <td>S 7</td> <td></td> </tr> <tr> <td>S 18</td> <td></td> </tr> </table> <p>2015</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Set a steel fence post E. of cor.</p>	T 36 N	R 8 E	S 7		S 18			
T 36 N	R 8 E								
S 7									
S 18									
40.00	<p>Point for the 1/4 sec. cor. of secs. 7 and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T 36 N</td> <td>R 8 E</td> </tr> <tr> <td>S 7</td> <td></td> </tr> <tr> <td>1/4</td> <td>—</td> </tr> <tr> <td>S 18</td> <td></td> </tr> </table> <p>2015</p> </div>	T 36 N	R 8 E	S 7		1/4	—	S 18	
T 36 N	R 8 E								
S 7									
1/4	—								
S 18									

**Survey of a Portion of the Subdivisional Lines,  
T. 36 N., R. 8 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 fence post N. of cor.</p> <p>Cor. is located on a steep westerly face of Echo Cliffs, and in a cliff valley, bears N. 10° E. and S. 10° W.</p>
77.94	<p>The cor. of secs. 7, 12, 13, and 18, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.</p> <p>Land, extremely rugged, Echo Cliffs. Soil, sandstone. Timber, scattered juniper and piñon atop Echo Cliffs. Undergrowth, native grasses.</p> <hr/> <p style="text-align: center;"><b>Subdivision of Section 18, T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the 1/4 sec. cor. of secs. 18 and 19.</p> <p>N. 0°04' W., on the N. and S. center line of sec. 18.</p> <p>Gently ascending toe slopes of Echo Cliffs.</p>
40.00	<p>Point for the center 1/4 sec. cor. of sec. 18, at intersection with the E. and W. center line sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in sandstone bedrock, encircled with a collar of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 36 N R 8 E C 1/4 S 18</p> <p style="text-align: center;">2015</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located on the top shelf of Echo Cliffs, among scattered juniper and piñon, and is 2.25 chs. N. and 1.90 chs. E. of sandstone rim, 50 ft. high, bears S. 80° E. and N. 40° W.</p>
80.00	<p>The 1/4 sec. cor. of secs. 7 and 18.</p> <hr/>

**Subdivision of Section 18,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	From the 1/4 sec. cor. of secs. 17 and 18.
	West, on the E. and W. center line of sec. 18.
	Descend steep westerly face of Echo Cliffs.
40.00	The center 1/4 sec. cor. of sec. 18.
77.98	The 1/4 sec. cor. of secs. 13 and 18, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.
<hr/> <p><b>Subdivision of Section 19, T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>	
	From the 1/4 sec. cor. of secs. 19 and 30.
	N. 0°04' W., on the N. and S. center line of sec. 19.
	Over nearly level land, in Cornfield Valley.
12.70	W. right-of-way fence of State Highway 89, also fenced around a culvert, barbed wire, parallels highway.
17.90	State Highway 89, an asphalt surfaced road, 42 ft. wide, bears S. 15° E. and N. 15° W.
22.95	E. right-of-way fence of State Highway 89, barbed wire, parallels highway.
29.50	Power line, 4 strand, bears S. 20° E. and N. 20° W.
40.00	Point for the center 1/4 sec. cor. of sec. 19, at intersection with the E. and W. center line sec. 19.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, underpinned with a steel fence post, 60 ins. long, with brass cap mkd.
	T 36 N R 8 E C 1/4 S 19
	2015
	from which



**Subdivision of Section 19,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground for a reference monument, bears N. 15°00' E., 90.0 ft. dist. with brass cap mkd. RM T36N R8E C1/4 90.0 FT TO COR S19 2015 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post, and set a steel fence post NNE of cor.</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground for a reference monument, bears S. 75°00' E., 170.0 ft. dist. with brass cap mkd. RM T36N R8E 170.0 FT TO COR C1/4 S19 2015 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post, and set a steel fence post ESE of cor.</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 W. of cor.</p> <p>Cor. is located in Tanner Wash, 260 ft. wide, 3 ft. deep, drains N. 30° W., and is also located 90 lks. S. and 1.10 chs. W. of the right bank of Tanner Wash, 4 ft. high, bears S. 50° E. and N. 50° W.</p>
69.15	Underground water line, bears S. 15° E. and N. 15° W.
80.00	The 1/4 sec. cor. of secs. 18 and 19.
	<hr/> <p>From the 1/4 sec. cor. of secs. 19 and 20.</p> <p>West, on the E. and W. center line of sec. 19.</p> <p>Over nearly level land, in Cornfield Valley.</p>
32.45	Underground water line, bears S. 15° E. and N. 15° W.
40.00	The center 1/4 sec. cor. of sec. 19.
44.05	Left bank of Tanner Wash, 4 ft. high, bears S. 20° E. and N. 20° W.
44.20	Power line, 4 strand, bears S. 20° E. and N. 20° W.
45.30	E. right-of-way fence of State Highway 89, barbed wire, parallels highway.
46.90	State Highway 89, an asphalt surfaced road, 42 ft. wide, bears S. 15° E. and N. 15° W.
48.50	W. right-of-way fence of State Highway 89, barbed wire, parallels highway.

Subdivision of Section 19,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
78.08	<p>The 1/4 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.</p> <hr/> <p style="text-align: center;">Subdivision of Section 30, T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the 1/4 sec. cor. of secs. 30 and 31.</p> <p>N. 0°04' W., on the N. and S. center line of sec. 30.</p> <p>Over gently rolling land.</p>
40.00	<p>Point for the center 1/4 sec. cor. of sec. 30, at intersection with the E. and W. center line sec. 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled with a collar of stone, 2 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 36 N R 8 E C 1/4 S 30</p> <p style="text-align: center;">2015</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 W. of cor.</p> <p>Cor. is located on a sandstone shelf, 20 ft. high, 50 ft. wide, bears N. 55° E. and S. 55° W.</p>
80.00	<p>The 1/4 sec. cor. of secs. 19 and 30.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 29 and 30.</p> <p>West, on the E. and W. center line of sec. 30.</p> <p>Over nearly level land, in Cornfield Valley.</p>
3.55	<p>Wash, 35 ft. wide, 1 ft. deep, drains N. 75° E.</p>
18.70	<p>Power line, 4 strand, bears S. 20° E. and N. 20° W.</p>
19.10	<p>E. right-of-way fence of State Highway 89, barbed wire, parallels highway.</p>

**Subdivision of Section 30,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
22.00	State Highway 89, an asphalt surfaced road, 43 ft. wide, bears S. 15° E. and N. 15° W.
23.20	W. edge of pavement turnout, bears S. 25° E. and N. 20° W.
25.10	W. right-of-way fence of State Highway 89, barbed wire, parallels highway.
40.00	The center 1/4 sec. cor. of sec. 30.
78.17	The 1/4 sec. cor. of secs. 25 and 30, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.
<hr/> <p><b>Subdivision of Section 31, T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>	
	From the 1/4 sec. cor. of secs. 6 and 31, on S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with a steel fence post, S. of cor., with brass cap mkd. T36N R8E 1/4 S31 S6 T35N 2010 2012. Add the marks 2015 to the brass cap.
	N. 0°04' W., on the N. and S. center line of sec. 31.
	Over rolling land.
40.00	Point for the center 1/4 sec. cor. of sec. 31, at intersection with the E. and W. center line sec. 31.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in sandstone bedrock, with brass cap mkd.
	T 36 N R 8 E C 1/4 S 31
	2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post W. of cor.
	Cor. is located 30 lks. E. of sandstone finger ridge top, bears N. 15° E. and S. 15° W.
55.65	Rim of limestone mesa, bears S. 10° E. and N. 5° W.
80.00	The 1/4 sec. cor. of secs. 30 and 31.

**Subdivision of Section 31,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	From the 1/4 sec. cor. of secs. 31 and 32. West, on the E. and W. center line of sec. 31. Over gently rolling land.
32.80	Rim of limestone mesa, bears S. 10° E. and N. 10° W.
40.00	The center 1/4 sec. cor. of sec. 31.
78.27	The 1/4 sec. cor. of secs. 31 and 36, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the east boundary, T. 36 N., R. 7 E., executed concurrently under this same group.
<hr/>	
<b>Subdivision of Section 32, T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona</b>	
<hr/>	
	Point for the 1/4 sec. cor. of secs. 5 and 32, at proportionate distance, and known coordinate position from the 2012 survey of the subdivision of certain sections, T. 35 N., R. 8 E.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, underpinned with a steel fence post, 60 ins. long, with brass cap mkd.
	T 36 N R 8 E S 32 1/4 ——— S 5 T 35 N  2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post N. of cor.
	Cor. is located 30 lks. S. of the right bank of Tanner Wash, 4 ft. high, bears S. 60° E. and N. 60° W.
	From this cor. point, the true point for the cor. of secs. 4, 5, 32, and 33, bears E., 40.0 chs. dist., hereinbefore described.
	From this same cor. point, the cor. of secs. 5, 6, 31, and 32, bears W. 40.0 chs. dist., hereinbefore described.
	N. 0°03' W., on the N. and S. center line of sec. 32.
	Over nearly level land, in Cornfield Valley.

Subdivision of Section 32,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Point for the center 1/4 sec. cor. of sec. 32, at intersection with the E. and W. center line sec. 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, underpinned with a steel fence post, 66 ins. long, with brass cap mkd.</p> <p style="text-align: center;">T 36 N R 8 E C 1/4 S 32</p> <p style="text-align: center;">2015</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 W. of cor.</p> <p>Cor. is located 35 lks. S. of the left bank of Tanner Wash, 4 ft. high, bears S. 85° E. and N. 70° W., and is 1.65 chs. W. of the left bank of Tanner Wash, 4 ft. high, bears S. 30° E. and N. 30° W.</p>
42.50	<p>Right bank of Tanner Wash, 4 ft. high, bears S. 30° E. and N. 75° W.</p>
80.00	<p>The 1/4 sec. cor. of secs. 29 and 32.</p> <hr/> <p>From the true point for the 1/4 sec. cor. of secs. 32 and 33. West, on the E. and W. center line of sec. 32.</p> <p>Over high shelf of Echo Cliffs.</p>
16.00	<p>Point selected for an online witness point, at the base of Echo Cliffs, thence gently descend into Cornfield Valley.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in sandstone bedrock, encircled with a collar of stone, 3 ft. base, to top with brass cap mkd.</p> <p style="text-align: center;">WP T 36 N R 8 E C ——— C S 32</p> <p style="text-align: center;">2015</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 E. of cor.</p>

**Subdivision of Section 32,  
T. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	Cor. is located 1.30 chs. W. of the base of sandstone shelf to Echo Cliffs, 350 ft. high, bears S. 5° W. and N. 20° W.
37.55	Right bank of Tanner Wash, 4 ft. high, bears S. 20° E. and N. 20° W.
40.00	The center 1/4 sec. cor. of sec. 32.
73.80	Power line, 4 strand, bears S. 15° E. and N. 15° W.
74.00	E. right-of-way fence of State Highway 89, barbed wire, parallels highway.
76.30	E. edge of pavement turnout, bears S. 35° E. and N. 35° W.
77.00	State Highway 89, an asphalt surfaced road, 43 ft. wide, bears S. 15° E. and N. 15° W.
80.00	The 1/4 sec. cor. of secs. 31 and 32.
<hr/> GENERAL DESCRIPTION <hr/>	
<p>The area surveyed is within the Navajo Indian Reservation and approximately 9 miles south of Bitter Springs, Arizona, and 13 miles north of Gap, Arizona. Primary access is provided by U.S. Highway 89, in the lower elevation, and B.I.A. Route 20, in the higher elevation. A series of two track roads provide access throughout the township. ATV's were used extensively.</p> <p>U.S. Highway 89 and Tanner Wash, run north westerly through the southwest portion of the township, parallel to the dominant topological feature, Echo Cliffs, with points rising in excess of 1100 feet above the Cornfield Valley floor. The elevation varies from 5470 to 7120 feet above sea level. The terrain is nearly level in the valley, and extremely rugged and broken, east of Tanner Wash, where sandstone bedrock and outcrops are dominant. It is rolling to broken west of U.S. Highway 89, where limestone bedrock is dominate. The vegetation is black brush, cactus, Mormon tea, rabbit brush, and native grasses. Juniper and piñon is abundant in the higher elevation atop Echo Cliffs, and the limestone mesas. There are a small number of residential housings along the highway corridor, and fewer in the higher elevation to the west, and much less to sparse atop Echo Cliffs. There are signs of grazing from cattle to horses throughout the township.</p> <p>The mean magnetic declination of 11° E. was derived from the National Oceanic and Atmospheric Administration, online magnetic field calculator for the date of survey.</p> <hr/>	



CERTIFICATE OF SURVEY

I, Fabian Yazzie, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 4th day of August, 2015, I have surveyed a portion of the subdivisional lines, and the subdivision of certain sections, T. 36 N., R. 8 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 me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

4/27/2016  
\_\_\_\_\_  
(Date)

[Signature]  
\_\_\_\_\_  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the survey of a portion of the subdivisional lines, and the subdivision of certain sections, T. 36 N., R. 8 E., Gila and Salt River Meridian, in the State of Arizona, executed by Fabian Yazzie, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

4/29/2016  
\_\_\_\_\_  
(Date)

[Signature]  
\_\_\_\_\_  
(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. 36 N., R. 8 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~\_\_\_\_\_  
(Date)~~

~~\_\_\_\_\_  
(Chief Cadastral Surveyor of Arizona)~~