ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES

AND THE SUBDIVISION OF SECTION 29

TOWNSHIP 18 NORTH, RANGE 26 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Blas J. Urena, Cadastral Surveyor

Under Special Instructions dated June 16, 2015, approved June 16, 2015, which provided for the surveys included under Group No. 1146, and assignment instructions dated June 16, 2015.

Survey commenced June 30, 2015

Survey completed August 10, 2015

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TOWNSHIP 18 NORTH RANGE 26 EAST GILA & SALT RIVER MERIDIAN, ARIZONA

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Subdivision of Section 29 Pages 20-22

T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary, a portion of the subdivisional lines and the subdivision of section 29, Township 18 North, Range 26 East, Gila and Salt River Meridian, Arizona.

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

Henry Meyrick surveyed the exteriors and the subdivisional lines, Township 18 North, Range 26 East, in 1882. Lacy Camp Greer (deceased), Arizona R.L.S. No. 5704, surveyed and/or monumented part of Township 18 North, Range 26 East, in 1971 and 1972, a researched of Apache County Records show not recorded plats for his monuments on this Township, a researched of his private records, now in the custody of Tetra Tech, Show Low, Arizona, also show not records of his monuments. Kenneth W. Bays and Stephen J. Malloy, cadastral surveyors dependently resurvey the north boundary, and a portion of the south, east, and west boundaries and the subdivisional lines and subdivided sections 2 and 5, Township 19 North, Range 25 East, in 1987.

The survey was executed in accordance with the specifications as set forth in the $\underline{\text{Manual of Surveying Instructions}}$, (2009), and the Special Instructions dated June 16, 2015, for Group Number 1146, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic Global Navigation Satellite System observations using Trimble Navigation R8-3 model receivers.

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

The purpose of the survey was to locate and identify portions of the boundaries of the Petrified Forest National Park, and to mark the proposed location of a fence, which start at an old barbed wire fence, at a point 24.44 chains N. 0°40' E., from the 1/4 section corner of sections 28 and 29, and end at the intersection of another old barbed wire fence, 9.84 chains N. 0°10' E., from the 1/4 section corner of sections 4 and 5. This said fence is proposed to be along the section lines of sections 28 and 29; 20 and 21; 16 and 17; 8 and 9; and 4 and 5. Set 60D nails, flush with the surface of ground, with a whisker and a 4 foot lath, inter-visible along said sections, marking the location of the proposed fence.

T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona

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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 D12266 P107 GRANTS NM2006 CORS, D12245 P011 SPIDERROCK AZ2005 CORS, AF9512 PIE1 PIETOWN CORS. The NAD 83 (CORS2011) (EPOCH: 2010.0000), geographic position of the corner of sections 25, 30, 31, and 36, Township 18 North, Ranges 25 and 26 East, is as follows:

Latitude: 34°55'23.645" N. Longitude: 109°37'55.579" W.

The geographic position of the corner of sections 4, 5, 32, and 33, Townships 18 and 19 North, Range 26 East, is as follows:

Latitude: 34°59'44.364" N. Longitude: 109°35'41.066" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of a Portion of the South Boundary, T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by Henry Meyrick, in 1882

Beginning at point accepted for the 1/4 sec. cor. of secs. 5 and 32, on the S. bdy. of the Tp., set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1971, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 10 ins. above ground, in a collar of stone, 2 ft. base, 5 ins. high, with brass cap mkd. LS 5704 T18N R26E S32 1/4 S5 T17N 1971. This is accepted as the best available evidence of the orig. corner position.

N. 89°27' W., bet. secs. 5 and 32.

Over gently rolling terrain.

Point for the cor. of secs. 5, 6, 31, and 32, at proportionate dist., not monumented.

N. 89°27' W., bet. secs. 6 and 31.

Over gently rolling terrain.

- 0.21 | Graded dirt road, 20 ft. wide, bears N. 2° E. and S. 2° W.
- Point accepted for the 1/4 sec. cor. of secs. 6 and 31, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1971, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 12 ins. above ground, in a collar of stone, 2 ft. base, 5 ins. high, with brass cap mkd. LS 5704 T18N R26E S31 1/4 S6 T17N 1971. This is accepted as the best available evidence of orig. corner position.

of a Portion of the Subdivisional Lines

I	Dependent Resurvey of a Portion of the Subdivisional Lines, T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Restoring the survey executed by Henry Meyrick, in 1882
	From a point accepted for the cor. of secs. 28, 29, 32, and 33, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1972, monumented with an iron pipe, 36 ins. long, 2 ins. diam., filled with concrete, firmly set, projecting 15 ins. above ground, in a mound of stone 2 ft. base, 1/2 ft. high, with brass cap mkd. LS 5704 T18N S29 S28 S32 S33 R26E 1972. This is accepted as the best available evidence of the orig. corner position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E S 29 S 28 S 32 S 33
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Bury the iron pipe, horizontally, alongside the stainless steel post.
	Raise a mound of stone, 2 1/2 ft. base, 1 ft. high, 1 lk. W. of cor.
	Set a steel fence post, W. of cor., at the center of the mound of stone.
	N. 1°18' E., bet. secs. 28 and 29.
	Over gently rolling terrain.
10.07	Apache County Road No. 7002, a graded dirt road, 20 ft. wide, bears E. and W.
10.47	A fence corner, barbed wire, 4 strand, with fences extending, N. 2° E. and N. 89° W.
19.54	A fence corner, on the same fence, with fences extending, S. 1° W. and N. 88° W.
20.00	A rebar, 5/8 in. diam., firmly set, projecting 7 ins. above ground, in a collar of stone, 2 ft. base, 3 ins. high.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
39.97	Point accepted for the 1/4 sec. cor. of secs. 28 and 29, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1972, monumented with an iron pipe, 36 ins. long, 2 ins. diam., filled with concrete, firmly set, projecting 13 ins. above ground, in an embedded mound of stone, 2 1/2 ft. base, with brass cap mkd. LS 5704 T18N R26E S29 S28 1/4 1972. With a steel fence post, with attached sign, marked "UNITED STATE DEPARMENT OF THE INTERIOR BOUNDARY LINE NATIONAL PARK SERVICE", NW of cor. This is accepted as the best available evidence of orig. corner position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E 1/4
	S 29 S 28
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Bury the iron pipe, horizontally, alongside the stainless steel post.
	N. 0°40' E., beginning new measurement.
	Over gently rolling terrain.
24.35	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, alongside a "U" shaped steel post and an old barbed wire fence, 4 strand, extending N. 68° E. and S. 68° W., bears W. 22.0 lks. dist.
24.44	The same old barbed wire fence, at point of intersection set a 60D nail, flush with the surface of ground, with a whisker and a 4 ft. lath, marking the point of beginning for the proposed Petrified Forest National Park fence.
24.94	Top of steep ascent, begin descent over rolling terrain.
24.98	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears W. 21.5 lks. dist.
36.13	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears W. 17.5 lks. dist.

CHAINS

39.98

The true point for the cor. of secs. 20, 21, 28, and 29, at proportionate dist., falls in a steep westerly facing slope, where it is impracticable to establish a permanent monument, there is no remaining evidence of the orig. cor.

From this true point, the point selected for a witness corner to the cor. of secs. 20, 21, 28, and 29, bears N. 0°24' W., 90 lks. dist., on the section line between secs. 20 and 21.

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

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

Set a steel fence post nearby.

From this true point, the point accepted for the 1/4 sec. cor. of secs. 21 and 28, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 13 ins. above ground, with marking "RO USA", bears S. $88^{\circ}57'$ E., 40.71 chs. dist. This is accepted as the best available evidence of orig. corner position.

From this same true point, the point for the cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., at proportionate dist., bears N. 89°20' W., 162.68 chs. dist., not monumented.

From this point for cor. of secs. 19, 24, 25, and 30, the point accepted for the cor. of Tps. 18 and 19 N., Rs. 25 and 26 E., monumented with a rebar, 15 ins. long, 5/8 in. diam., firmly set, projecting 1 1/2 ins. above ground, alongside a partially decomposed wood post, 18 ins. long, 3 ins. diam., firmly set, projecting 1 1/2 ins. above ground, with a wood post, 66 ins. long, 4 ins. diam., with no mark visible, laying loose nearby, bears N. 1°33' E., 320.37 chs. dist. This is accepted as the best available evidence of orig. corner position.

At the corner point

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

CHAINS

2015

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

Deposit the rebar inside the stainless steel post.

Found the decomposed remain of a wood post, 27 ins. long, 3 ins. diam., with no mark visible, laying loose, 45 lks. N. of cor.

Bury partially decomposed wood post, 18 ins. long, and the decomposed remain of the wood post, 27 ins. long, horizontally, alongside the stainless steel post.

Lay the wood post, 66 ins. long, on the surface of the ground near the cor.

Set a steel fence post nearby.

From this cor. of Tps. 18 and 19 N., Rs. 25 and 26 E., the 1/4 sec. cor. of secs. 31 and 36, on the E. bdy. of T. 19 N., R. 25 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T19N 1/4 R25E R26E S36 S31 1987, witnessed by a mound of stone, 3 ft. base, 1 ft. high, 2 lks. N. of cor., and a steel fence post, 1.5 lks. E. of cor., bears N. 1°36' E., 41.06 chs. dist. Add the marks 2015 to the brass cap.

From this same cor. of Tps. 18 and 19 N., Rs. 25 and 26 E., the 1/4 sec. cor. of secs. 6 and 31, on the N. bdy. of T. 18 N., R. 26 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. T19N R26E 1/4 S31 S6 T18N 1987, witnessed by a mound of stone, 3 1/2 ft. base, 2 ft. high, W. of cor., and a steel fence post, 1 lk. E. of cor., bears S. $89^{\circ}54^{\circ}$ E., 39.07 chs. dist. Add the marks 2015 to the brass cap.

From this same cor. of Tps. 18 and 19 N., Rs. 25 and 26 E., the 1/4 sec. cor. of secs. 2 and 35, on the S. bdy. of T. 19 N., R. 25 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. T19N R25E 1/4 S35 S2 T18N 1987, witnessed by a mound of stone, 3 ft. base, 1 1/2 ft. high, 1.5 lks. W. of cor., and a steel fence post, 1.5 lks. W. of cor., bears N. 89°21' W., 131.41 chs. dist. Add the marks 2015 to the brass cap.

CHAINS

From this same point for cor. of secs. 19, 24, 25, and 30, the point accepted for the cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1972, monumented with an iron pipe, 36 ins. long, 2 ins. diam., filled with concrete, firmly set, projecting 19 ins. above ground, with brass cap mkd. LS 5704 T18N R25E R26E S25 S30 S36 S31 1972, bears S. 1°33' W., 80.09 chs. dist. This is accepted as the best available evidence of orig. corner position.

At the corner point

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

2015

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

Bury the iron pipe, horizontally, alongside the stainless steel post.

Set a steel sign post nearby.

This cor. of secs. 25, 30, 31, and 36, is located 89 lks. N. of the top of steep ascent, bears N. 45° E. and S. 45° W.

N. 0°24' W., bet. secs. 20 and 21.

Over rolling terrain.

- 0.90 The witness corner to the cor. of secs. 20, 21, 28, and 29.
- 1.86 From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears W. 12.2 lks. dist.
- 8.12 From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 1.6 lks. dist.
- 12.14 From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 10.6 lks. dist.
- 22.28 From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 32.7 lks. dist.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
28.37	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 45.8 lks. dist.
36.62	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 64.3 lks. dist.
39.98	Point accepted for the 1/4 sec. cor. of secs. 20 and 21, monumented with an old rebar, 24 ins. long, 5/8 ins. diam., firmly set, projecting 7 ins. above ground, in an embedded mound of stone, 1 1/2 ft. base. This is accepted as the best available evidence of orig. corner position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E
	1/4 S 20 S 21
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Deposit the rebar inside the stainless steel post.
	Set a steel fence post nearby.
	From this cor. point, a rebar, 3/8 in. diam. firmly set and leaning S. bears N. 86°28' E., 7.52 chs. dist.
	N. 1°53' E., beginning new measurement.
	Over rolling terrain.
8.15	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 57.4 lks. dist.
32.53	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 13.7 lks. dist.
35.52	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 8.2 lks. dist.
39.64	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears E. 1.0 lk. dist.

L	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
40.31	Point accepted for the cor. of secs. 16, 17, 20, and 21, monumented with a rebar, 18 ins. long, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a "U" shaped steel post, with a wood post, 6.6 ft. long, 1 1/2 ins. sq., completely above ground, and an iron pipe, 30 ins. long, 2 ins. diam., filled with concrete, completely above ground, with brass cap mkd. LS 5704 T18N S17 S16 S20 S21 R26E 1971, attached with wires to the steel post. This is accepted as the best available evidence of orig. corner position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E
	<u>S 17 S 16</u>
	S 20 S 21
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Deposit the rebar inside the stainless steel post.
	Bury the iron pipe, horizontally, alongside the stainless steel post.
	Lay the "U" shaped steel post, and the wood post, on the surface of the ground near the cor.
	Set a steel fence post nearby.
	From this cor. point, a sandstone, 10' x 3', firmly set, projecting 16 ins. on the E. face and 8 ins. on the W. face, with no marks visible, scribe a small + on top, bears N. 38°56' E., 6.14 chs. dist.
	N. 1°43' E., bet. secs. 16 and 17.
	Over rolling terrain.
5.37	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears W. 7.6 lks. dist.
11.61	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears W. 16.5 lks. dist.
16.03	From this point, a rebar, 1/2 in. diam., firmly set, flush with

the surface of the ground, bears W. 22.6 lks. dist.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
19.00	From this point, a rebar, 1/2 in. diam., firmly set, flush with the surface of the ground, bears W. 26.7 lks. dist.
19.09	From this point, a steel fence post, bears W. 26.7 lks. dist.
21.57	From this point, a rebar, 1/2 in. diam., firmly set, projecting 15 ins. above ground, bears W. 30.5 lks. dist.
26.31	From this point, the terminus of a fence, barbed wire, 4 strand, extending N. 1° E., bears W. 36.4 lks. dist.
33.91	From this point, a rebar, 1/2 in. diam., firmly set, projecting 4 ins. above ground, alongside a "U" shaped steel post and the same fence, extending N. 1° E. and S. 1° W., bears W. 49.3 lks. dist.
40.17	Point for the 1/4 sec. cor. of secs. 16 and 17, at proportionate dist., there is no remaining evidence of the orig. cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E
	1/4
	S 17 S 16
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Set a steel fence post nearby.
	The cor. is located, 57.4 lks. E. of a fence, barbed wire, 4 strand, bears N. 1° E. and S. 1° W.
45.66	From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a fence, barbed wire, 4 strand, extending N. 1° E. and S. 1° W., bears W. 63.6 lks. dist.
61.61	From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside the same fence, extending N. 1° E. and S. 1° W., bears W. 85.9 lks. dist.
78.97	Wash, 40 ft. wide, 3 ft. deep, drains S. 78° W.
80.34	Point for the cor. of secs. 8, 9, 16, and 17, at proportionate dist., there is no remaining evidence of the orig. cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	T 18 N R 26 E S 8 S 9 S 17 S 16
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Set a steel fence post nearby.
	The cor. is located, 1.12 chs. E. of a fence, barbed wire, 4 strand, bears N. 1° E. and S. 1° W., and 8.37 chs. E. of a wash, 65 ft. wide, 3 ft. deep, drains N. 35° W.
	From this cor. point, the point accepted for the cor. of secs. 9, 10, 15, and 16, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1971, monumented with an iron pipe, 2 ins. diam., loosely set, projecting 20 ins. above ground, with brass cap mkd. LS 5704 T18N S9 S10 S16 S15 R26E 1971, bears S. 88°48' E., 81.23 chs. dist. This is accepted as the best available evidence of orig. corner position.
	This cor. is located on a northerly facing slope.
	From this same cor. point, the point for the cor. of secs. 7, 12, 13, and 18, on the W. bdy. of the Tp., at proportionate dist., bears N. 89°29' W., 161.76 chs. dist., not monumented.
	From this point for cor. of secs. 7, 12, 13, and 18, the cor. of Tps. 18 and 19 N., Rs. 25 and 26 E., hereinbefore described, bears N. 1°33' E., 160.19 chs. dist.
	From this same point for cor. of secs. 7, 12, 13, and 18, the cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., hereinbefore described, bears S. 1°33' W., 240.28 chs. dist.
	N. 0°52' E., bet. secs. 8 and 9.
	Over rolling terrain.
5.16	From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a fence, barbed wire, 4 strand, extending N. 1° E. and S. 1° W., bears W. 1.114 chs. dist.
15.60	From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a "U" shaped steel post and the same fence, extending N. 1° E. and S. 1° W., bears W. 1.106 chs. dist.
18.18	Wash, 15 ft. wide, 3 ft. deep, drains S. 59° W.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
22.43	From this point, a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, alongside a "U" shaped steel post and a fence, barbed wire, 4 strand, extending N. 1° E. and S. 1° W., bears W. 1.098 chs. dist.
28.57	Wash, 12 ft. wide, 6 ft. deep, drains S. 60° W.
36.88	From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a "U" shaped steel post and a fence, barbed wire, 4 strand, extending N. 1° E. and S. 1° W., bears W. 1.084 chs. dist.
39.60	From this point, an angle point on the same fence, with fences extending S. 1° W. and S. 76° W., bears W. 1.077 chs. dist.
40.16	Point for the 1/4 sec. cor. of secs. 8 and 9, at proportionate dist., there is no remaining evidence of the orig. cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E
	1/4 S 8 S 9
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Set a steel fence post nearby.
	From this cor. point, a rebar, approximately 12 ins. long, 1/2 in. diam., firmly set, flush with the surface of the ground, set by me, bears N. 55°25' W., 1.64 chs. dist.
	From this same cor. point, an aluminum rod, approximately 10 ins. long, 3/4 in. diam., firmly set, flush with the surface of the ground, set by me, bears N. 60°47' W., 1.85 chs. dist.
40.92	Trail road, 10 ft. wide, bears N. 58° E. and S. 72° W.
51.72	From this point, an angle point on a fence, barbed wire, 4 strand, with fences extending N. 1° E. and S. 68° W., bears W. 1.075 chs. dist.
70.61	From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a "U" shaped steel post and the same fence, extending N. 1° E. and S. 1° W., bears W. 1.052 chs. dist.
78.94	From this point, a rebar, 1/2 in. diam., loosely set, projecting 22 ins. above ground, bears W. 76.6 lks. dist.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
79.15	From this point, a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, alongside a fence, barbed wire, 4 strand, extending N. 1° E. and S. 1° W., bears W. 1.045 chs. dist.
80.32	Point for the cor. of secs. 4, 5, 8, and 9, at proportionate dist., there is no remaining evidence of the orig. cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E
	S 5 S 4
	S 8 S 9
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Set a steel fence post nearby.
	The cor. is located, 1.04 chs. E. of a fence, barbed wire, 4 strand, bears N. 1° E. and S. 1° W.
	From this cor. point, the point accepted for the cor. of secs. 3, 4, 9, and 10, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1971, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 2 1/2 ins. base, 1/2 ft. high, with brass cap mkd. LS 5704 T18N S4 S3 S9 S10 R26E 1971, bears S. 88°35' E., 80.41 chs. dist. This is accepted as the best available evidence of orig. corner position.
	The cor. of secs. 3, 4, 9, and 10, is located 2.092 chs. S. 43°13' E. of a fence corner of a corral, barbed wire, 5 strand, with fences extending N. 40° E. and S. 49° E., and 77.7 lks. N. 66°14' W., of a fence corner of the same corral, barbed wire, 5 strand, with fences extending N. 35° E. and N. 49° W.
	This same cor. of secs. 3, 4, 9, and 10, is also located 20.38 chs. N. 1/4° E. of a wash bed, 150 ft. wide, 4 ft. deep, drains S. 76° W.
	From this same cor. point, the cor. of secs. 5, 6, 7, and 8, monumented with a sandstone, 17 x 9 x 6, loose on the surface of a blanket of sandstone and on top of a ridge, with 5 notches on one face and 5 notches on another face, bears N. 89°20' W., 80.25 chs. dist.

At the corner point

CHAINS

Set a brass tablet, $3\ 1/2\ ins.\ diam.$, $2\ 1/2\ ins.\ stem$, cemented in a drill hole in solid sandstone, with top mkd.

T 18 N R 26 E
S 6 S 5
S 7 S 8

2015

Deposit fragment of a magnet in the drill hole.

Raise a mound of stone, 3 1/2 ft. base, 2 1/2 ft. high, 1 lk. West of cor.

The sandstone is now part of the mound of stone.

This cor. of secs. 5, 6, 7, and 8, is located 20 lks. N. of the top edge of southerly facing cliff, bears S. 20° E. and W., and 2.27 chs. S. of the top edge of a northerly facing cliff, bears S. 50° E. and N. 65° W.

This same cor. of secs. 5, 6, 7, and 8, is also located 5.32 chs. S. of a wash, 25 ft. wide, 2 ft. deep, drains S. 69° W.

N. 0°10' E., bet. secs. 4 and 5.

Over gently rolling terrain.

- 15.51 From this point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above ground, alongside a "U" shaped steel post and a fence, barbed wire, 4 strand, extending N. 1° E. and S. 1° W., bears W. 84.2 lks. dist.
- 40.15 Point for the 1/4 sec. cor. of secs. 4 and 5, at proportionate dist., there is no remaining evidence of the orig. cor.

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

T 18 N R 26 E 1/4 S 5 | S 4

2015

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

Set a steel fence post nearby.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
	The cor. is located, 53.8 lks. E. of a fence, barbed wire, 4 strand, bears N. 1° E. and S. 1° W.
46.38	From this point, an angle point on a fence, barbed wire, 4 strand, with fences extending N. 31° E. and S. 1° E., bears W. 63.0 lks. dist.
46.65	From this point, an angle point on the same fence, with fences extending N. 1° E. and S. 31° W., bears W. 46.9 lks. dist.
49.04	From this point, an angle point on the same fence, with fences extending N. 3° E. and S. 1° W., bears W. 44.2 lks. dist.
49.08	Wash, 15 ft. wide, 2 ft. deep, drains N. 65° W.
49.99	An old barbed wire fence, bears S. 66° E. and N. 66° W., at point of intersection set a 60D nail, flush with the surface of ground, with a whisker and a 4 ft. lath, marking the point of terminus for the proposed Petrified Forest National Park fence.
50.17	From this point, a rebar, 1/2 in. diam., firmly set, projecting 4 ins. above ground, alongside a "U" shaped steel post and the same old barbed wire fence, and the terminus a fence, barbed wire, 4 strand, extending S. 3° W. bears W. 39.1 lks. dist.
51.74	Wash, 12 ft. wide, 2 ft. deep, drains N. 54° W.
80.44	Point accepted for the cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp., set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1971, monumented with an iron pipe, 20 ins. long, 2 ins. diam., filled with concrete, firmly set, projecting 10 ins. above ground, in a scattered mound of stone, 2 ft. base, 1/2 ft. high, with brass cap mkd. LS 5704 T19N R26E S32 S33 S5 S4 T18N 1971. This is accepted as the best available evidence of orig. corner position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 19 N R 26 E S 32 S 33
	S 5 S 4 T 18 N
	2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Found a sandstone, 21 x 14 x 8 ins., in the scattered mound of stone, with no marks visible.

CHAINS

Found another sandstone, $21 \times 14 \times 8$ ins., in the same scattered mound of stone, with no marks visible.

Found a sandstone, 19 \times 14 \times 10 ins., in the same scattered mound of stone, with no marks visible.

Found a sandstone, 14×4 ins., firmly set, projecting 15 ins. above ground, in the same scattered mound of stone, with no marks visible.

Bury the iron pipe, horizontally, alongside the stainless steel post.

Raise a mound of stone, utilizing the scattered mound of stone, 3 ft. base, 2 1/2 ft. high, 1 lk. N. of cor.

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

N. 89°23' W., bet. secs. 29 and 32.

Over gently rolling terrain.

40.66

Point accepted for the 1/4 sec. cor. of secs. 29 and 32, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1972, monumented with an iron pipe, 36 ins. long, 2 ins. diam., filled with concrete, firmly set, projecting 11 ins. above ground, in an embedded mound of stone, 2 ft. base, with brass cap mkd. LS 5704 T18N S29 1/4 S32 R26E 1972. With a steel fence post, with attached sign, marked "UNITED STATE DEPARMENT OF THE INTERIOR BOUNDARY LINE NATIONAL PARK SERVICE", W. of cor. This is accepted as the best available evidence of orig. corner position.

At the corner point

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

2015

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

Bury the iron pipe, horizontally, alongside the stainless steel post.

CHAINS

N. 88°49' W., beginning new measurement.

41.23

Point for the cor. of secs. 29, 30, 31, and 32, at proportionate dist., there is no remaining evidence of the orig. cor.

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

2015

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

Found an iron pipe, 35 ins. long, 2 ins. diam., filled with concrete, laying loose on the surface of the ground and alongside the east edge of a graded dirt road, 20 ft. wide, bears N. 4° E. and S. 4° W., with brass cap mkd. LS 5704 T18N S30 S29 S31 S32 R26E 1972, 2.33 chs. S. 7°17' W. of cor.

Bury the iron pipe, horizontally, alongside the stainless steel post.

Set a steel sign post nearby.

The cor. is located on top of the east bank of the same dirt road.

From this cor. point, the cor. of secs. 5, 6, 7, and 8, bears N. $1^{\circ}22'$ E., 320.54 chs. dist.

From this same cor. point, the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of Tp., bears S. 1°51' W., 80.15 chs. dist.

N. 89°56' W., bet. secs. 30 and 31.

Over gently rolling terrain.

0.45 Graded dirt road, 20 ft. wide, bears N. 4° E. and S. 4° W.

27.73 Apache County Road No. 7002, a graded dirt road, 20 ft. wide, bears N. 80° E. and S. 80° W.

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
41.39	Point accepted for the 1/4 sec. cor. of secs. 30 and 31, set by Lacy Camp Greer, Arizona R.L.S. No. 5704, in 1972, monumented with an iron pipe, 33 ins. long, 2 ins. diam., filled with concrete, firmly set, projecting 11 ins. above ground, in an embedded mound of stone, 1 1/2 ft. base, with brass cap mkd. LS 5704 T18N S30 1/4 S31 R26E 1972. This is accepted as the best available evidence of orig. corner position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E S 30 1/4 ——
	S 31
	2015
	Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.
	Bury the iron pipe, horizontally, alongside the stainless steel post.
	Set a steel sign post nearby.
	The cor. is located, 37 lks. S. of an old barbed wire fence, 4 strand, bears N. 65° E. and S. 65° W.
	N. 89°26' W., beginning new measurement.
39.00	Top of steep ascent, bears N. 45° E. and S. 45° W.
40.22	The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp.
	Subdivision of Section 29, T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 29 and 32.
	N. 0°47' E., on the N. and S. center line of sec. 29.
	Over gently rolling terrain.
10.07	Apache County Road No. 7002, a graded dirt road, 20 ft. wide, bears E. and N. 88° W.

Subdivision of Section 29, T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
10.46	Barbed wire fence, 4 strand, 3.7 lks. E. of fence corner with fences extending N. and E.
19.54	Barbed wire fence, 4 strand, 6.2 lks. E. of fence corner with fences extending E. and S. 1° W.
20.00	From this point, a rebar, 5/8 in. diam., firmly set, projecting 7 ins. above ground, in a collar of stone, 2 1/2 ft. base, bears W. 7.7 lks. dist.
32.97	An old barbed wire fence, 4 strand, bears N. 40° E. and S. 40° W.
	Thence soon begin descent over rolling terrain.
40.22	Point for the center 1/4 sec. cor. of sec. 29, at intersection with the E. and W. center line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 18 N R 26 E C 1/4 S 29
	2015
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Set a steel fence post nearby.
	The cor. is located on a steep northerly facing slope.
80.24	Point for the 1/4 sec. cor. of secs. 20 and 29, at proportionate dist., not monumented.
	From this point, the true point for the newly reestablished cor. of secs. 20, 21, 28, and 29, bears S. 88°58' E., 40.93 chs. dist.
	From this same point, the point for the cor. of secs. 19, 20, 29, and 30, at proportionate dist., bears N. 88°58' W., 40.93 chs. dist., not monumented.
	From this point for the cor. of secs. 19, 20, 29, and 30, the cor. of secs. 5, 6, 7, and 8, bears N. 1°29' E., 240.42 chs. dist.
	From this same point for the cor. of secs. 19, 20, 29, and 30, the newly reestablished cor. of secs. 29, 30, 31, and 32, bears S. 1°00' W., 80.12 chs. dist.

Subdivision of Section 29, T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona

	T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From this same point for the cor. of secs. 19, 20, 29, and 30, the point for the cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., bears N. 89°43' W., 80.83 chs. dist.
	From the 1/4 secs. cor. of secs. 28 and 29.
	N. 89°01' W., on the E. and W. center line of sec. 29.
	Over gently rolling terrain.
20.416	From this point, a rebar, 5/8 in. diam., firmly set, projecting 6 ins. above ground, bears S. 13.6 lks. dist.
33.24	An old barbed wire fence, 4 strand, bears N. 52° E. and S. 52° W.
	Thence soon begin descent over rolling terrain.
41.02	The center 1/4 sec. cor. of sec. 29.
82.10	Point for the 1/4 sec. cor. of secs. 29 and 30, at proportionate dist., not monumented.
	From this point, the point for the cor. of secs. 19, 20, 29, and 30, bears N. 1°00' E., 40.06 chs. dist.
	From this same point, the newly reestablished cor. of secs. 29, 30, 31, and 32, bears S. 1°00' W., 40.06 chs. dist.

Subdivision of Section 29, T. 18 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed and resurveyed is approximately 31 miles E. of Holbrook, Arizona and approximately 19 miles S. 30° W. of Chambers, Arizona. The elevation ranges from about 5,530 to 6000 feet above sea level.

Access to the lower elevation when the Puerco River is not running, is provided by U.S. Highway 40, by the way of exit 320, Pinta Road, and when the Puerco River is running, and to the higher elevation by the same U.S. Highway, by the way of exit 325, Kerr McGee Road and Apache County Road No. 7002. ATV's were required to access some of the areas within the township.

There are 2 buildings on the SE1/4 of section 29. There are several water tanks scattered on the area, Reese Tank is located in section 7 and Rock Tank is located in section 8.

The mean magnetic declination of $10\,^{\circ}$ E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2014-2019 for the dates of survey.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Mark R. Searles	Surveying Technician
Charles E. Besancon III	Surveying Technician
Luis M. Galvan	Surveying Technician

CERTIFICATE OF SURVEY

I, Blas J. Urena, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 16th day of June, 2015, I have dependently resurveyed a portion of the south boundary, a portion of the subdivisional lines and subdivided section 29, T. 18 N., R. 26 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 Surveying Instructions, (2009), and in specific manner described in the foregoing field notes.

4/28/2016	Blas J. Uruna
(Date)	(Cadastral Surveyor)
	CERTIFICATE OF APPROVAL
	BUREAU OF LAND MANAGEMENT Phoenix, Arizona
boundary, a portion of section 29, T. 18 N., R. Arizona, executed by	s of the dependent resurvey of a portion of the south the subdivisional lines and the subdivision of 26 E., Gila and Salt River Meridian, in the State of Blas J. Urena, Cadastral Surveyor, having been ound correct, are hereby approved.
4/29/2016 (Date)	(Chief Cadastral Surveyor of Arizona)
	CERTIFICATE OF TRANSCRIPT
described surveys in T.	egoing transcript of the field notes of the above 18 N., R. 26 E., Gila and Salt River Meridian, f the original field notes.

(Chief Cadastral Surveyor of Arizona)

(Date)