ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE EAST BOUNDARY,

THE SURVEY OF

A PORTION OF THE NORTH BOUNDARY,

THE SURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES

AND THE SUBDIVISION OF CERTAIN SECTIONS

TOWNSHIP 31 NORTH, RANGE 9 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated May 3, 2012, approved May 3, 2012, which provided for the surveys included under Group No. 1107, and assignment instructions dated May 3, 2012.

Survey commenced May 8, 2012

Survey completed May 22, 2012

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TOWNSHIP 31 NORTH RANGE 9 EAST GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the surveys of a portion of the east boundary, a portion of the north boundary, a portion of the subdivisional lines and the subdivision of certain sections, Township 31 North, Range 9 East, Gila and Salt River Meridian, Arizona.

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

Philip Contzen surveyed the south and west boundaries of Township 32 North, Range 10 East in 1905. Robin T. Mathews remonumented the corner of Townships 31 and 32 North, Ranges 9 and 10 East in 1990. Gordon R. Bubel remonumented the corner of Townships 30 and 31 North, Ranges 8 and 9 East, in 2003. Jones Curtiss surveyed the Second Guide Meridian East (west boundary) in 2009. This same year Leonard Sandoval established the southeast and northwest township corners and established the control for the Amended Protraction Diagram of 2011.

The survey was executed in accordance with the specifications as set forth in the $\underline{\text{Manual of Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated May 3, 2012, for Group Number 1107, Arizona.$

The true meridian direction and length of all lines were determined by static and real time kinematic global positioning system observations using Trimble Navigation 5700 and 5800 model receivers. The standard monument set in the course of this survey is a stainless steel post, 28 inches long 2 1/2 inches diameter, with a brass cap. The monument is memorialized with a magnet, in a white plastic case, deposited at the base of the stainless steel post. Any deviation from this standard is described herein.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) A18820 FERNO MESA, A18805 FREDONIA, and DJ8981 FLAGSTAFF 5. The NAD 83 (2011) (EPOCH: 2010), geographic position of the following two corners are as follows:

The corner of sections 1, 2, 35, and 36, on the south boundary of the township:

Latitude: 36°01'06.279" N. Longitude: 111°23'25.801" W.

The corner of sections 2, 3, 34, and 35, on the north boundary of the township:

Latitude: 36°06'15.207" N. Longitude: 111°24'29.981" W.

T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

CHAINS

The mean magnetic declination is 11° E.

Survey of a Portion of the East Boundary, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

Beginning at the corner of sections 13, 18, 19, and 24, on the E. bdy. of the Tp., point established at position recorded on the 2011 Amended Protraction diagram.

Set a stan. monument, 26 ins. in the ground, with brass cap mkd.

2012

Set a steel fence post nearby.

From this cor. point, the cor. of Tps. 30 and 31 N., Rs. 9 and 10 E., monumented with a stan. monument, firmly set, projecting 2 ins. above ground, with brass cap mkd. T31N R9E R10E S36 S31 S1 S6 T30N 2009, bears S. 0° 02' W., 240.00 chs. dist.

N. 0° 02' E., bet. secs. 13 and 18.

Over gently rolling broken land along W. base of mesa.

26.60

Two track road, 9 ft. wide, bears S. 45° E. and N. 45° W.

40.00

Point for the 1/4 sec. cor. of secs. 13 and 18.

Set a stan. monument, 27 ins. in the ground, with brass cap mkd.

2012

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

Set a steel fence post nearby.

Cor. is located on the W. slope of a mesa, 50 ft. high.

80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set a stan. monument, 22 ins. in the ground, with brass cap mkd.

Survey of a Portion of the East Boundary, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 31 N R 9 E R 10 E S 12 S 7 S 13 S 18
	2012
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Cor. is located 30 lks. W. of toe of mesa's spur.
	Land, broken mesas to the E., near level valley to the W. Soil, sandy veneer over sandstone. No timber, scattered native grasses and brush.
	N. 0° 02' E., bet. secs. 7 and 12.
	Over gently rolling broken land along W. base of mesas.
11.30	Graded dirt road, 12 ft. wide, bears E. and W.
20.10	Same graded dirt road, 16 ft. wide, bears N. 30° E. and S. 30° W.
23.30	S. right-of-way fence of U. S. Highway 160, parallels highway.
24.60	S. edge of pavement, U. S. Highway 160, asphalt surfaced, 36 ft. wide, bears. N. 70° E. and S. 70° W.
25.20	N. edge of pavement, U. S. Highway 160.
28.15	N. right-of-way fence of U. S. Highway 160, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 12.
	Set a stan. monument, 21 ins. in sandstone, in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.
	T 31 N R 9 E R 10 E 1/4 S 12 S 7
	2012
80.00	Point for the cor. of secs. 1, 6, 7, and 12.
	Set a stan. monument, 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the East Boundary, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	T 31 N R 9 E R 10 E S 1 S 6 S 12 S 7
	2012
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.
	Land, broken mesas to the E., near level valley to the W. Soil, sandy. No timber, scattered native grasses and brush.
	Survey of a Portion of the North Boundary, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
	Point for the cor. of secs. 1, 2, 35, and 36, established at position recorded on the 2011 Amended Protraction diagram.
	Set a stan. monument, 26 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 32 N R 9 E S 35 S 36 S 2 S 1 T 31 N
	2012
	Set a steel fence post nearby.
	From this point, the cor. of Tps. 31 and 32 N., Rs. 9 and 10 E., bears East, 80.00 chs. dist., monumented with a stan. monument, firmly set, projecting 4 ins. above ground, with a mound of stone, 4 ft. base, 1 ft. high, W. of cor., with brass cap mkd. T32N R9E R10E S36 S31 S1 S6 T31N 1990 2006.
	West, bet. secs. 2 and 35.
	Descending gently rolling land, on the N. bdy. of the Tp.
9.50	Main channel of Hamblin Wash, braided bed, 1.50 chs. Wide, 1 ft. deep, drains S. 5° E., from N. 25° W.
22.55	E. right-of-way fence of U. S. Highway 89, parallels highway.
25.30	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 40 ft. wide, bears N. and S.
25.90	W. edge of pavement, U. S. Highway 89.

Survey of a Portion of the North Boundary, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
28.60	W. right-of-way fence of U. S. Highway 89, parallels highway.
	Begin ascending broken rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35.
	Set a stan. monument, 25 ins. in the ground, with brass cap mkd.
	T 32 N R 9 E S 35
	1/4 ——
	S 2
	T 31 N
	2012
	Cor. is located on W. aspect of slope.
	Continue over broken land.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set a stan. monument, 24 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 32 N R 9 E S 34 S 35
	S 3 S 2 T 31 N
	2012
	Set a steel fence post nearby.
	From this cor. point, the closing cor. of Tps. 31 and 32 N., R. 9 E., bears West, 319.115 chs. dist., monumented with a stan. monument, firmly set, projecting 4 ins. above ground, with brass cap mkd. T31N T32N R8E R9E S31 S1 CC S6 T31N 2009.
	Land, near level valley to the E., broken mesas to the W. Soil, sandy veneer over sandstone. No timber, scattered native grasses and brush.
	Survey of a Portion of the Subdivisional Lines, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., monumented with a stan. monument, firmly set, projecting 6 ins. above sandstone, with brass cap mkd. T31N R9E S35 S36 S2 and S1 T30N 2012.

	1. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From this cor., the cor. of Tps. 30 and 31 N., Rs. 9 and 10 E., bears East, 80.00 chs. dist., hereinbefore described.
	N. 0° 01' E., bet. secs. 35 and 36.
	Gently ascending over near level land.
40.00	Point for the 1/4 sec. cor. of secs. 35 and 36.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E 1/4 S 35 S 36
	2012
	Set a steel fence post nearby.
65.85	Moenkopi Wash, 16 ft. wide, 6 ft. deep, drains S. 25° W.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E S 26 S 25
	S 35 S 36
	2012
	Set a steel fence post nearby.
	Land, near level valley. Soil, sandy veneer over sandstone. No timber, scattered native grasses and brush.
	N. 0° 01' E., bet. secs. 25 and 26.
	Gently ascending over near level land.
33.15	Hamblin Wash, 40 ft. wide, 6 ft. deep, drains S. 15° W.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 26.
	Set a stan. monument, 24 ins. in the ground, underpinned with a steel fence post, 5 ft. long, in a collar of stone, with brass cap mkd.

CHAINS	1. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona				
	T 31 N R 9 E				
	1/4				
	S 26 S 25				
	2012				
	Set a steel fence post nearby.				
49.00	Enter inhabited area with multiple homes.				
63.00	Leave inhabited area.				
80.00	Point for the cor. of secs. 23, 24, 25 and 26.				
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.				
	T 31 N R 9 E				
	S 23 S 24 S 26 S 25				
	'				
	2012				
	Land, near level valley. Soil, sand and gravel.				
	No timber, scattered rabbit brush.				
	N. 0° 01' E., bet. secs. 23 and 24.				
	Gently ascending over near level land.				
19.05	Power line, bears N. 15° E. and S. 15° W.				
22.40	Abandoned U. S. Highway 89, decomposed asphalt surfaced, 24 ft. wide, bears N. 15° E. and S. 15° W.				
28.93	Power line, bears N. 10° E. and S. 10° W.				
40.00	Point for the 1/4 sec. cor. of secs. 23 and 24.				
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.				
	T 31 N R 9 E				
:	1/4 S 23 S 24				
	2012				
	Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.				
80.00	Point for the cor. of secs. 13, 14, 23 and 24.				

	1. 31 N., R. 9 E., Gila and Sait River Meridian, Arrizona
CHAINS	
	Set a stan. monument, 20 ins. in the ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd.
	T 31 N R 9 E
	S 14 S 13 S 23 S 24
	'
	2012
	Land, rolling land. Soil, sand and gravel veneer over sandstone. No timber, scattered rabbit and salt brush.
	From the cor. of secs. 13, 18, 19, and 24, on the E. Bdy. of the Tp.
	West, bet. secs. 13 and 24.
	Over near level open land.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 24.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E S 13
	1/4 ——
	S 24
	2012
	Set a steel fence post nearby.
53.00	E. bank of Hamblin Wash, heavily braided, generally drains S. from ${\tt N}.$
63.50	W. bank of Hamblin Wash.
70.75	Abandoned U. S. Highway 89, decomposed asphalt surfaced, 24 ft. wide, bears N. 10° E. and S. 10° W.
80.00	The cor. of secs. 13, 14, 23 and 24.
	N 00 01/ F hat goes 12 and 14
	N. 0° 01' E., bet. secs. 13 and 14.
	Gently ascending over near level land.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 14.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
1	i i

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 31 N R 9 E
	1/4
	S 14 S 13
	2012
	Set a steel fence post nearby.
	From this cor., the NW cor. of a Hogan bears E., 1.75 chs. dist.
76.09	S. right-of-way fence, U. S. Highway 160, parallels highway.
77.30	S. edge of pavement, U. S. Highway 160, asphalt surfaced, 38 ft. wide, bears E. and W.
77.85	N. edge of pavement, U. S. Highway 160.
80.00	Point for the cor. of secs. 11, 12, 13 and 14.
	Set a stan. monument, 26 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E
	S 11 S 12
	S 14 S 13
	2012
	Set a steel fence post nearby.
	Land, rolling land. Soil, sand and gravel veneer over sandstone. No timber, scattered rabbit and salt brush.
	From the cor. of secs. 7, 12, 13, and 18, on the E. Bdy. of the Tp.
	West, bet. secs. 12 and 13.
3	Over near level open land.
1.15	Track road, 9 ft. wide, bears S. 5° E. and N. 5° W.
40.00	Point for the 1/4 sec. cor. of secs. 12 and 13.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
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	1. 31 M., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 31 N R 9 E
	S 12 1/4 ——
	S 13
	2012
58.82	Chain-link fence, 7 ft. high, around cell tower, bears N. and S.
59.23	Base of cell tower, 12 ft. equilateral triangular, 150 ft. high.
59.53	Chain-link fence, 7 ft. high, around cell tower, bears N. and S.
63.85	S. right-of-way fence, U. S. Highway 160, parallels highway.
67.38	S. edge of pavement, U. S. Highway 160, asphalt surfaced, 38 ft. wide, bears N. 70° E. and S. 70° W.
69.02	N. edge of pavement, U. S. Highway 160.
80.00	The cor. of secs. 11, 12, 13 and 14.
	Land, near level valley land.
	Soil, sand. No timber, scattered rabbit and salt brush, tumbleweeds.
	N. 0°01' E., bet. secs. 11 and 12.
·	Over broken rolling land.
0.63	N. right-of-way fence, U. S. Highway 160, bears E. and W.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 12.
	Set a stan. monument, 27 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E
	1/4 S 11 S 12
	2012
	Set a steel fence post nearby.
68.55	Abandoned U. S. Highway 89, decomposed asphalt surfaced, 24 ft. wide, bears S. 35° E. and N. 35° W.
75.00	Utility line, bears S. 35° E. and N. 35° W.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.
L	

	1. 31 N., R. 9 E., Gila and Salt River Meridian, Arrizona
CHAINS	
	Set a stan. monument, 25 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 31 N R 9 E
	<u>S 2 S 1</u>
	S 11 S 12
	2012
	Set a steel fence post nearby.
	Cor. is located 1/3 up from the bottom of a mound of mudstone, 30 ft. by 20 ft. by 10 ft. high, bears S. 35° E. and N. 35° W.
	Land, broken rolling land. Soil, sandy veneer over sandstone. No timber, salt cedar and salt brush.
	From the cor. of secs. 1, 6, 7 and 12, on the E. Bdy. of the Tp.
	West, bet. secs. 1 and 12.
	Over near level open land.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 12.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
·	T 31 N R 9 E S 1 S 12
	2012
	Set a steel fence post nearby.
40.87	E. fence of Tuba City Airport, parallels runway.
45.00	E. edge of runway, asphalt surfaced, 76 ft. wide, bears S. 14° E. and N. 14° W.
46.10	W. edge of runway.
50.22	W. fence of Tuba City Airport, parallels runway.
66.80	E. bank of Hamblin Wash, heavily braided, 4.50 chs. wide, generally drains S. 55° E. from N. 55° W.
75.60	W. bank of Hamblin Wash.
80.00	The cor. of secs. 1, 2, 11 and 12.

	T. 31 N., R. 9 E., Glia and Salt River Meridian, Arizona
CHAINS	
	Land, near level valley land. Soil, sand. No timber, scattered rabbit and salt brush, tumbleweeds.
	N. 0° 01' E., bet. secs. 1 and 2.
	Over gently rolling land.
3.55	W. bank of Hamblin Wash, heavily braided, 5.50 chs. wide, drains S. 50° E. from N. 40° W. An unnamed tributary joins from S. 80° W.
11.65	E. bank of Hamblin Wash.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 2.
	Set a stan. monument, 25 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 31 N R 9 E 1/4 S 2 S 1
	2012
	Set a steel fence post nearby.
73.43	The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described.
	Land, gently rolling land. Soil, sand. No timber, scattered rabbit and salt brush, native grasses, tumbleweeds.
	From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. Of the Tp., monumented with a stan. monument, firmly set, projecting 3 ins. above ground, with brass cap mkd. T31N R9E S34 S35 S3 S2 T30N 2012.
	From this cor., the closing cor. of Tps. 30 and 31 N., R. 9 E., at intersection with the Second Guide Meridian East, bears West, 319.55 chs. dist., monumented with a stan. monument, firmly set, projecting 7 inches above ground, with brass cap mkd. T31N T31N R8E R9E S31 S36 CC S6 T30N 2009.
	N. 0° 01' E., bet. secs. 34 and 35.
	Ascending over broken rolling land.

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
40.00	Point for the 1/4 sec. cor. of secs. 34 and 35.
	Set a stan. monument, 25 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E 1/4
	S 34 S 35
	2012
	Set a steel fence post nearby.
66.60	Graded dirt road, 20 ft. wide, bears N. 65° E. and S. 65° W.
80.00	Point for the cor. of secs. 26, 27, 34 and 35.
	Set a stan. monument, 19 ins. in the ground, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.
	T 31 N R 9 E
	S 27 S 26 S 34 S 35
	2012
	From this cor., a rebar, 1/2 in. diam., firmly set, projecting 5 ins. above the ground, bears N. 72° 37' E., 1.72 chs. dist., with a red plastic cap, 1 in. diam., mkd. NMLS 12163 AZ 29894.
	Land, Broken land, mesas. Soil, sandy veneer over sandstone. No timber, scattered native grasses and brush.
	From the cor. of secs. 25, 26, 35 and 36.
	West, bet. secs. 26 and 35.
	Over gently rolling land.
6.40	Hamblin Wash, 1.25 chs. wide, 10 ft. deep, drains S. 25° W., from N. 5° E.
30.94	E. right-of-way fence, U. S. Highway 89, parallels highway.
34.14	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 38 ft. wide, bears N. and S.
34.75	W. edge of pavement, U. S. Highway 89.
37.32	W. right-of-way fence, U. S. Highway 89, parallels highway.
39.73	Utility line, bears N. and S.

CHAINS	1. 31 N., R. 9 E., Gila and Sait River Meridian, Arizona
40.00	Point for the 1/4 sec. cor. of secs. 26 and 35.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E S 26 1/4 —— S 35
	2012
	Set a steel fence post nearby.
80.00	The cor. of secs. 26, 27, 34 and 35.
	N. 0° 01' E., bet. secs. 26 and 27.
	Ascending over severely broken land.
36.55	Wash, 20 lks. wide, 1 ft. deep, drains S. 55° E.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 27.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
·	T 31 N R 9 E 1/4 S 27 S 26
	2012
80.00	Point for the cor. of secs. 22, 23, 26 and 27.
	Set a stan. monument, 25 ins. in sandstone, with brass cap mkd.
	T 31 N R 9 E S 22 S 23 S 27 S 26
	2012
	Raise a mound of stone, 3 ft. base, 2 high, W. of cor.
	Land, severely broken lands, badlands. Soil, sand veneer over sandstone. No timber, rabbit brush, salt brush, Mormon tea.
	From the cor. of secs. 23, 24, 25 and 26. West, bet. secs. 23 and 26.

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Ascending over gently rolling land.
5.58	Power line, bears N. 15° E. and S. 15° W.
6.73	Abandoned U. S. Highway 89, decomposed asphalt surfaced, 24 ft. wide, bears N. 15° E. and S. 15° W.
8.15	Power line, bears N. 15° E. and S. 15° W.
22.57	E. right-of-way fence, U. S. Highway 89, parallels highway.
25.35	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 38 ft. wide, bears N. 5° E. and N. 5° W.
25.95	W. edge of pavement, U. S. Highway 89.
28.71	W. right-of-way fence, U.S. Highway 89, parallels highway.
	Enter broken rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 26.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E S 23 1/4 —— S 26
	2012
	Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.
	Continue over broken rolling land.
80.00	The cor. of secs. 22, 23, 26 and 27.
	N.0° 01' E., bet. secs. 22 and 23.
	Ascending over severely broken land, badlands.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 23.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E 1/4 S 22 S 23
	2012

CHAINC	1. 51 N., R. 5 E., Gila and Balt Rivel Melidian, Alizona
CHAINS	
	Continue over broken rolling land.
80.00	Point for the cor. of secs. 14, 15, 22 and 23.
	Set a stan. monument, 14 ins. in the ground, in a supporting mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.
	T 31 N R 9 E
	S 15 S 14 S 22 S 23
	2012
	Land, severely broken land with mesas. Soil, sandstone.
	No timber, scattered rabbit brush and Mormon tea.
	From the cor. of secs. 13, 14, 23 and 24.
	West, bet. secs. 14 and 23.
	Ascending over rolling land.
15.15	E. right-of-way fence, U. S. Highway 89, parallels highway.
15.46	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 54 ft. wide, bears N. 5° E. and S. 5° W.
16.29	W. edge of pavement, U. S. Highway 89.
16.82	Culvert wall spanning wash, bears N. 50° E. and S. 50° W.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 23.
	Set a stan. monument, 25 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E
	S 14 1/4 ——
	S 23
	2012
	Raise a mound of stone, 3 1/2 ft. base, 2 ft. high, N. of cor.
	Cor. is located 1/3 up the N. slope of mudstone ridge, bears S. 45° E. and W.
80.00	The cor. of secs. 13, 14, 23 and 24.
1	1

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	N. 0° 01' E., bet. secs. 14 and 15.
	Ascending over broken rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 15.
	Set a stan. monument, 17 ins. in sandstone, with brass cap mkd.
	T 31 N R 9 E
	1/4 S 15 S 14
	2012
55.20	Indian Route 6135, graded dirt, 30 ft. wide, bears S. 65° E. and S. 85° W.
80.00	Point for the cor. of secs. 10, 11, 14 and 15.
	Set a stan. monument, 26 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E
	S 10 S 11 S 15 S 14
	2012
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken badlands. Soil, sandy veneer over sandstone. No timber, salt brush and Mormon tea.
	From the cor. of secs. 11, 12, 13 and 14.
	West, bet. secs. 11 and 14.
	Ascending over broken rolling land.
5.35	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 54 ft. wide, bears N. and S. 5° W.
6.20	W. edge of pavement, U. S. Highway 89.
8.90	W. right-of-way fence, U. S. Highway 89, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 14.
	Set a stan. monument, 26 ins. in the ground, with brass cap mkd.
,	

	1. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 31 N R 9 E
	S 11
	1/4 ————————————————————————————————————
	2012
	Set a steel fence post nearby.
	Cor. is located 1/3 up on W. face slope of hills, bears. N. and S. 45° E.
80.00	The cor. of secs. 10, 11, 14 and 15.
	N.0° 01' E., bet. secs. 10 and 11.
	Ascending over broken rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 11.
	Set a stan. monument, 25 ins. the ground, with brass cap mkd.
	T 31 N R 9 E
	1/4 S 10 S 11
	2012
	Set a steel fence post nearby.
	Cor. is located on W. face of ridge, just below top of ridge, bears S. 10° E. and N. 10° W.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set a stan. monument, 25 ins. in sandstone, with brass cap mkd.
	T 31 N R 9 E S 3 S 2
	S 10 S 11
	2012
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.
	Cor. is located on top of a small ridge, 30 lks. wide, 7 ft. high, bears N. 35° E. and S. 55° W.

G113 7370	1. 51 N., R. 9 E., Gila and bale kivel meridian, Millond
CHAINS	
	Land, slightly broken.
	Soil, sandy veneer over sandstone.
	No timber, rabbit brush, salt brush, and Mormon tea.
	From the cor. of secs. 1, 2, 11 and 12.
	West, bet. secs. 2 and 11.
	Over broken land.
11.41	E. right-of-way fence, U. S. Highway 89, parallels highway.
14.23	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 40 ft. wide, bears S. 15° E. and N. 15° W.
14.85	W. edge of pavement, U. S. Highway 89.
17.60	W. right-of-way fence, U. S. Highway 89, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 11.
	Set a stan. monument, 25 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E
	S 2
	1/4 —
	S 11
	2012
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Cor. is located 30 lks. N. of top of ridge, bears. N. 75° E. and W.
80.00	The cor. of secs. 2, 3, 10 and 11.
	Land, broken badlands.
	Soil, sandy veneer over sandstone.
	No timber, no vegetation.
	N. 0° 01' E., bet. secs. 2 and 3.
	Over broken land.
	OVEL DIONELL TURIO.
18.65	Indian Route 6134, graded dirt, 24 ft. wide, bears S. 75° E. and N. 75° W.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 3.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 31 N R 9 E
	1/4 S 3 S 2
	2012
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Cor. is located in S. edge of drainage, 20 lks. wide, 5 ft. deep, drains S. 50° E.
73.43	The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., hereinbefore described.
	Land, broken mesa lands.
	Soil, sandstone. No timber, salt brush, Mormon tea.
	Subdivision of Section 2, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 2 and 11.
	N. 0° 01' E., on the N. and S. center line of sec. 2.
22.10	Indian Route 6134, graded dirt, 31 ft. wide, bears N. 70° E. and S. 70° W.
40.00	Point for the center 1/4 sec. cor. of sec. 2, at intersection with the E. and W. center line.
	Set a stan. monument, 26 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E C 1/4 S2
	2012
	Cor. is located 18 lks. S. of a mudstone hill.
73.43	The 1/4 sec. cor. of secs. 2 and 35.
	From the 1/4 sec. cor. of secs. 1 and 2.
	West, on the E. and W. center line of sec. 2.
6.70	E. bank of Hamblin Wash, 4.05 chs. wide, heavily braided, generally drains S. 10° W. from N. 20° E.

Subdivision of Section 2, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	1. 31 N., R. 9 E., GIIA and Sait River Meridian, Arizona
CHAINS	
10.90	W. bank Hamblin Wash.
20.21	E. right-of-way fence, U. S. Highway 89, parallels highway.
23.20	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 40 ft. wide, bears S. 10° E. and N. 10° W.
23.85	W. edge of pavement, U. S. Highway 89.
26.83	W. right-of-way fence, U. S. Highway 89, parallels highway.
40.00	The center 1/4 sec. cor. of sec. 2
80.00	The 1/4 sec. cor. of secs. 2 and 3.
	Subdivision of Section 11, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 11 and 14.
	N. 0° 01' E., on the N. and S. center line of sec. 11.
40.00	Point for the center 1/4 sec. cor. of sec. 11, at intersection with the E. and W. center line.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E C 1/4 S11
	2012
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Cor. is located 45 lks. N. of, and 8 ft. below top of hill, bears N. 65° E. and W.
80.00	The 1/4 sec. cor. of secs. 2 and 11.
	From the 1/4 sec. cor. of secs. 11 and 12.
	West, on the E. and W. center line of sec. 11.
3.07	E. right-of-way fence, U. S. Highway 89, parallels highway.
5.80	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 40 ft. wide, bears S. 10° E. and N. 10° W.
6.45	W. edge of pavement, U. S. Highway 89.

Subdivision of Section 11, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
9.22	W. right-of-way fence, U. S. Highway 89, parallels highway.
40.00	The center 1/4 sec. cor. of sec. 11
80.00	The 1/4 sec. cor. of secs. 10 and 11.
	Subdivision of Section 12, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 12 and 13.
	N. 0° 02' E., on the N. and S. center line of sec. 12.
8.70	S. right-of-way fence of U. S. Highway 160, parallels highway.
9.93	S. edge of pavement, U. S. Highway 160, asphalt surfaced, 45 ft. wide, bears N. 70° E. and S. 70° W.
10.63	N. edge of pavement, U. S. Highway 160.
13.53	N. right-of-way fence of U. S. Highway 160, parallels highway.
15.10	W. bank Hamblin Wash, rip rapped to channel under Highway 160, heavily braided, 11.60 chs. wide, generally drains S. 30° E. from N. 30° W.
28.10	E. Bank Hamblin Wash.
38.11	W. fence of Tuba City Airport, parallels runway.
40.00	Point for the center $1/4$ sec. cor. of sec. 12, at intersection with the E. and W. center line.
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E C 1/4 S12
	2012
	Set a steel fence post nearby.
54.83	W. edge of runway, asphalt surfaced, 76 ft. wide, bears S. 14° E. and N. 14° W.
59.63	E. edge of runway.
76.45	E. fence of Tuba City Airport, parallels runway.
80.00	The 1/4 sec. cor. of secs. 1 and 12.

Subdivision of Section 12, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From the 1/4 sec. cor. of secs. 7 and 12.
	West, on the E. and W. center line of sec. 12.
21.76	E. fence of Tuba City Airport, parallels runway.
35.20	E. edge of runway, asphalt surfaced, 76 ft. wide, bears S. 14° E. and N. 14° W.
36.39	W. edge of runway.
40.00	The center 1/4 sec. cor. of sec. 12.
40.48	W. fence of Tuba City Airport, parallels runway.
49.60	E. bank of Hamblin Wash, heavily braided, 6.10 chs. wide, generally drains S. 25° E. from N. 25° W.
56.15	W. bank of Hamblin Wash.
80.00	The 1/4 sec. cor. of secs. 11 and 12.
	Subdivision of Section 13, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona From the 1/4 sec. cor. of secs. 13 and 24.
,	N. 0° 02' E., on the N. and S. center line of sec. 13.
32.90	E. bank of Hamblin Wash, heavily braided, 10 chs. wide, generally drains S. 30° W., from N. 25° E.
40.00	Point for the center 1/4 sec. cor. of sec. 13, at intersection with the E. and W. center line.
	Set a stan. monument, 25 ins. in the ground, underpinned with a steel fence post, 5 ft. long, with brass cap mkd.
	T 31 N R 9 E C 1/4 S13
	2012
	Set a steel fence post nearby.
66.20	W. bank of Hamblin Wash.
80.00	The 1/4 sec. cor. of secs. 12 and 13.

Subdivision of Section 13, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From the 1/4 sec. cor. of secs. 13 and 18.
	West, on the E. and W. center line of sec. 13.
38.05	E. bank of Hamblin Wash.
40.00	The center 1/4 sec. cor. of sec. 13.
49.25	W. bank of Hamblin Wash.
80.00	The 1/4 sec. cor. of secs. 13 and 14.
	Subdivision of Section 14, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 14 and 23.
	N. 0° 01' E., on the N. and S. center line of sec. 14.
40.00	Point for the center 1/4 sec. cor. of sec. 14, at intersection with the E. and W. center line.
	Set a stan. monument, 25 ins. in the ground, with brass cap mkd.
	T 31 N R 9 E C 1/4 S14
	2012
	Set a steel fence post nearby.
42.60	Indian Route 6135, graded dirt, 26 ft. wide, bears S. 70° E. and N. 70° W.
80.00	The 1/4 sec. cor. of secs. 11 and 14.
	From the 1/4 sec. cor. of secs. 13 and 14.
	West, on the E. and W. center line of sec. 14.
7.76	E. right-of-way fence, U. S. Highway 89, parallels highway.
10.50	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 38 ft. wide, bears N. 5° E. and S. 5° W.
11.10	W. edge of pavement, U. S. Highway 89.
13.89	W. right-of-way fence, U. S. Highway 89, parallels highway.

Subdivision of Section 14, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona		
CHAINS			
27.30	Indian Route 6135, graded dirt, 24 ft. wide, bears S. 70° E. and N. 75° W.		
40.00	The center 1/4 sec. cor. of sec. 14.		
80.00	The 1/4 sec. cor. of secs. 14 and 15.		
	Subdivision of Section 23, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona		
	From the 1/4 sec. cor. of secs. 23 and 26.		
	N. 0° 01' E., on the N. and S. center line of sec. 23.		
40.00	Point for the center 1/4 sec. cor. of sec. 23, at intersection with the E. and W. center line.		
	Set a stan. monument, 27 ins. in the ground, with brass cap mkd.		
	T 31 N R 9 E C 1/4 S23		
2012			
	Set a steel fence post nearby.		
	Cor. is located at the eastern toe of a mound of mudstone, 125 ft. by 75 ft. by 20 ft. high, bears N. 70° E. and S. 70° W.		
80.00	The 1/4 sec. cor. of secs. 14 and 23.		
	From the 1/4 sec. cor. of secs. 23 and 24.		
	West, on the E. and W. center line of sec. 23.		
18.36	E. right-of-way fence, U. S. Highway 89, bears S. 45° E. and N. 45° W.		
20.35	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 54 ft. wide, bears N. 5° E. and S. 5° W.		
21.20	W. edge of pavement.		
23.74	W. right-of way fence, U.S. Highway 89, parallels highway.		
40.00	The center 1/4 sec. cor. of sec. 23.		

Subdivision of Section 23, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona		
CHAINS			
80.00	The 1/4 sec. cor. of secs. 22 and 23.		
	Subdivision of Section 26, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona		
	From the 1/4 sec. cor. of secs. 26 and 35.		
	N. 0° 01' E., on the N. and S. center line of sec. 26.		
40.00	Point for the center 1/4 sec. cor. of sec. 26, at intersection with the E. and W. center line.		
	Set a stan. monument, 27 ins. in the ground, with brass cap mkd.		
	T 31 N R 9 E C 1/4 S26		
	2012		
	Set a steel fence post nearby.		
	Cor. is located halfway up E. facing slope of mudstone hill, 175 ft. by 60 ft. by 20 ft. high.		
80.00	The 1/4 sec. cor. of secs. 23 and 26.		
	From the 1/4 sec. cor. of secs. 25 and 26.		
	West, on the E. and W. center line of sec. 26.		
19.30	Abandoned U. S. Highway 89, decomposed asphalt surfaced, 24 ft. wide, bears N. 17° E. and S. 17° W.		
27.52	E. right-of-way fence, U. S. Highway 89, parallels highway.		
30.30	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 38 ft. wide, bears N. 10° E. and S. 10° W.		
30.90	W. edge of pavement.		
33.66	W. right-of way fence, U.S. Highway 89, parallels highway.		
40.00	The center 1/4 sec. cor. of sec. 26.		
80.00	The 1/4 sec. cor. of secs. 26 and 27.		
Subdivision of Section 35, T. 31 N., R. 9 E., Gila and Salt River Meridian, Ari			

Subdivision of Section 35, T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona

	1. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona			
CHAINS				
	From 1/4 sec. cor. of secs. 2 and 35, on the S. bdy. of the Tp., monumented with a stan. monument, firmly set, flush with the ground, with brass cap mkd. T31N R9E S35 1/4 S2 T30N 2012.			
	From this cor., the cor. of secs. 1, 2 , 35 and 36 bears East, 40.00 chs. dist.			
	N. 0° 01' E., on the N. and S. center line of sec. 35.			
9.60	Moenkopi Wash, 14 ft. wide, drains S. 85° W. from N. 85° E.			
15.85	Moenkopi Wash, 24 ft. wide, drains S. 25° E. from N. 20° W.			
21.20	Moenkopi Wash, 30 ft. wide, drains S. 35° W. from N. 30° E.			
40.00	Point for the center 1/4 sec. cor. of sec. 35, at intersection with the E. and W. center line.			
	Set a stan. monument, 24 ins. in the ground, with brass cap mkd.			
	T 31 N R 9 E C 1/4 S35			
	2012			
	Cor. is located 1.27 chs. W. of utility line, bears S. 25° E. and N. 25° W. and 57 lks. N. of another utility line, bears N. 80° E. and S. 80° W			
80.00	The 1/4 sec. cor. of secs. 26 and 35.			
	From the 1/4 sec. cor. of secs. 35 and 36.			
	West, on the E. and W. center line of sec. 35.			
15.75	Abandoned U. S. Highway 89, decomposed asphalt surfaced, 16 ft. wide, bears S. 25° E., curving S., and N. 30° W., curving W.			
23.90	Moenkopi Wash, 32 ft. wide, drains S. 30° E. from N. 30° W.			
28.64	E. right-of-way fence, U. S. Highway 89, parallels highway.			
30.95	E. edge of pavement, U. S. Highway 89, asphalt surfaced, 38 ft. wide, bears S. 10° E. and N. 10° W.			
31.59	W. edge of pavement. U. S. Highway 89.			
34.69	W. right-of way fence, U.S. Highway 89, parallels highway.			
40.00	The center 1/4 sec. cor. of sec. 35.			
1	ļ			

CHAINS	T. 31 N., R. 9 E., Gila and Salt River Meridian, Arizona
80.00	The 1/4 sec. cor. of secs. 34 and 35.
	GENERAL DESCRIPTION
	This survey is located approximately 9 miles west of Tuba Cit Arizona, and 12 miles north of Cameron Arizona. Access provided by U. S. Highways 89 and 160, as well as Indian Rout 6134 and 6135. Further access is provided by the abandoned bot old highway 89 and many track roads. All-terrain vehicl were used extensively.
	Terrain varies from near level lands along the highway, broken badlands and mesas to the west. Elevation ranges fr 4400 ft. to 4700 ft. Soil is generally a sandy veneer ov sandstone, and mudstone. Hamblin Wash generally drains fr north to south, just east of the highway, and contributes in Moenkopi wash in very southeastern part of this surve Vegetation is very sparse, consists mainly of native brushes a grasses.
	There are numerous residents residing on both sides of thighway. No mineral activity was noted. The mean magnetic declination of 11° E. was derived from tunited States Geological Survey computer program GEOMA utilizing the World Magnetic Model for Epoch 2012 for the dat
	of survey.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

TIED NOOD TAIVE					
NAMES	CAPACITY				
Daniel Bryan	Engineering Technician				
Mark R. Searles	Surveying Technician				
Robert J. Lyle	Surveying Technician				
Byron Shorty	Surveying Technician				
Kevin Tso	Surveying Technician				
Patrick Putnam	Associate Dist. Manager				

CERTIFICATE OF SURVEY

I, Geoffrey A. Graham, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 3rd day of May, 2012, I have surveyed a portion of the east boundary, a portion of the north boundary a portion of the subdivisional lines and subdivided certain sections, T. 31 N., R. 9 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.

5/22/2013 (Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Phoenix, Arizona

The foregoing field notes of the survey of a portion of the east boundary, a portion of the north boundary, a portion of the subdivisional lines and the subdivision of certain sections, T. 31 N., R. 9 E., Gila and Salt River Meridian, in the State of Arizona, executed by Geoffrey A. Graham, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

5/31/2013

(Date)

Steplen K. Hanne
(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. 31 N., R 9 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date) (Chief Cadastral Surveyor of Arizona)