

ORIGINAL

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

FIELD NOTES
OF THE
REMONUMENTATION
OF THE
INITIAL POINT

OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Paul L. Moss, Supervisory Cadastral Surveyor

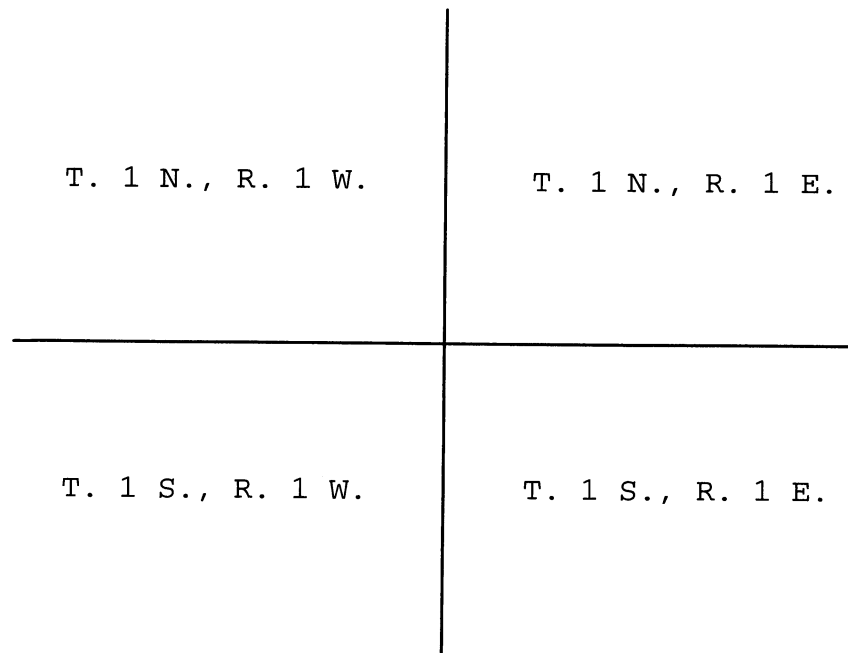
Under Special Instructions dated February 14, 2006, approved February 14, 2006, which provided for the surveys included under Group No. 984, and assignment instructions dated February 14, 2006.

Survey commenced February 18, 2006

Survey completed February 18, 2006

INDEX DIAGRAM

GILA AND SALT RIVER MERIDIAN, ARIZONA



**Remonumentation of the Initial Point
Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the remonumentation of the Initial Point for the survey of lands controlled by the Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to the Gila and Salt River Initial Point is as follows:

The monument was originally constructed in 1851 by John R. Bartlett, U.S. Commissioner, U.S. Boundary Commission, while making a reconnaissance for the United States - Mexico Boundary under the 1848 Treaty of Guadalupe - Hidalgo. By letter dated May 24, 1865, John A. Clark, Surveyor General for New Mexico and Arizona, informed I.M. Edwards, Commissioner of the General Land Office, that he had selected the monument as "the Initial Point for the meridian of the Territory."

In 1934, the U.S. Coast and Geodetic Survey established triangulation station "INITIAL, 1934," approximately 15 feet away from the Initial Point monument and made ties to it. On December 1, 1944, Ty White, Associate Cadastral Engineer, rebuilt the Initial Point marker. On April 24, 1962, Leonard W. Murphy, Survey Technician, reestablished the Initial Point from the reference monuments described in the field notes made by Ty White in 1944, the monument itself having been destroyed. On April 26, 1984, Paul L. Reeves and John P. Bennett, both Cadastral Surveyors, remonumented the Initial Point which had been vandalized and in a deteriorated condition.

The 2006 remonumentation was accomplished with the aid of the Central Chapter, Arizona Professional Land Surveyors Association and the Surveying Technology Program, Phoenix College.

The remonumentation 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, 1973, and the Special Instructions dated February 14, 2006, for Group No. 984, Arizona.

The direction of ties to corner accessories refer to the true meridian.

The geographic position of the Gila and Salt River Meridian, Arizona Initial Point as recorded by National Geodetic Survey in 1962 and adjusted in 1993 to the NAD 83 (1992) datum, is as follows:

Latitude: 33°22'37.82733" N. Longitude: 112°18'21.99931" W.

The mean magnetic declination is 12° E.

**Remonumentation of the Initial Point
Gila and Salt River Meridian, Arizona**

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**Remonumentation of the Initial Point
Restored by Paul L. Reeves and John P. Bennett in 1984**

The Initial Point monumented with a stainless steel tablet, 3 1/4 ins. diam., set in the center of a concrete structure, 5 ft. diam., 6 ins. high, with 2 x 1 1/2 ft. rays extending N, E, S, and W, with deteriorated blue tile extending from the center through each ray, with the top badly scratched and scared and with barely readable mks. T1N R1W R1E S36 S31 S1 S6 T1S 1984.

Removed the 1984 stainless steel tablet and at the exact cor. point

Set a brass tablet, 4 ins. diam., with a 3 1/2 in. stem, at the exact cor. point and in the center of the 1984 concrete structure, with brass cap mkd.

T 1 N	
R 1 W	R 1 E
S36	S31
S 1	S 6

T 1 S
2006

from which the orig. 1984 accessories, Detectable Electronically Energized Particles (Deep-1 TM), in a colored plastic container, 1 in. diam., 2 1/2 ins. long were recovered at their record bearing and distance positions. The DEEP-1 magnets were then reset in place, in a conical concrete form, 6 ins. diameter at the base, 4 ins. diam. at the top, and 5 1/2 ins. high. An X was cut in the top of each magnets square plastic cap.

A Deep-1, metallic silver, set 9 ins.
below the ground, bears N. 45 3/4° E.,
20.00 ft. dist. (Record: 12 ins. below the ground.)

A Deep-1, florescent purple, set 9 ins.
below the ground, bears S. 44 1/4° E.,
20.00 ft. dist. (Record: 12 ins. below the ground.)

A Deep-1, florescent blue, set 9 ins.
below the ground, bears S. 45 3/4° W.,
20.00 ft. dist. (Record: 12 ins. below the ground.)

**Remonumentation of the Initial Point
Gila and Salt River Meridian, Arizona**

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A Deep-1, florescent orange, set 9 ins. below the ground, bears N. 44 1/4° W., 20.00 ft. dist. (Record: 12 ins. below the ground.)

and a 1962 and 1984 accessory

U.S. Corps of Engineers survey station "TT ZW 9 (AMS)", bears N. 68°38' W., 14.73 ft. dist., monumented with a brass tablet, 3 ins. diam., set in concrete flush with the ground, mkd. TT ZW 9 ARMY MAP SERVICE 1961. (Record: 14.78 ft. dist.)

and a new 2006 accessory

The upper left hand corner of a bronze plaque, 15 x 10 ins., set in a brown concrete form, 25 x 18 x 6 ins. above the ground, bears S. 32° 24' W., 8.41 ft. dist. Long side of concrete form extends S. 50° W. The bronze plaque reads "THIS PROPERTY HAS BEEN PLACED ON THE NATIONAL REGISTER OF HISTORIC PLACES BY THE UNITED STATES DEPARTMENT OF THE INTERIOR."

Deposit a magnet beneath the brass tablet.

The 1984 stainless steel initial point monument was retained and stored at the BLM Arizona State Office building.

Riveted stainless steel replacement tablets, 3 1/2 ins. diam., to each of the existing stainless steel tablets located in each quadrant and riveted a replacement stainless steel plaque, 6 x 4 ins., to the existing stainless steel plaque located south of the Initial Point. These stainless steel tablets and plaque are inscribed as shown on the enclosed diagram and photographs.

Removed all the remaining original blue tile from the cardinal rays and set new blue and white broken tile in the E and W rays and set red, tan, yellow and green broken tile in the N and S rays.

GENERAL DESCRIPTION

The purpose of this survey was to remonument the Initial Point of the Gila and Salt River Meridian, in the State of Arizona.

The Initial Point is situated on the top of a small prominent conical hill, at an approximate elevation of 1160 ft. above sea level, and approximately 1/4 mile south of the confluence of the Gila and Salt Rivers.

Access to the survey was by vehicle through the easterly side of the Phoenix International Raceway.

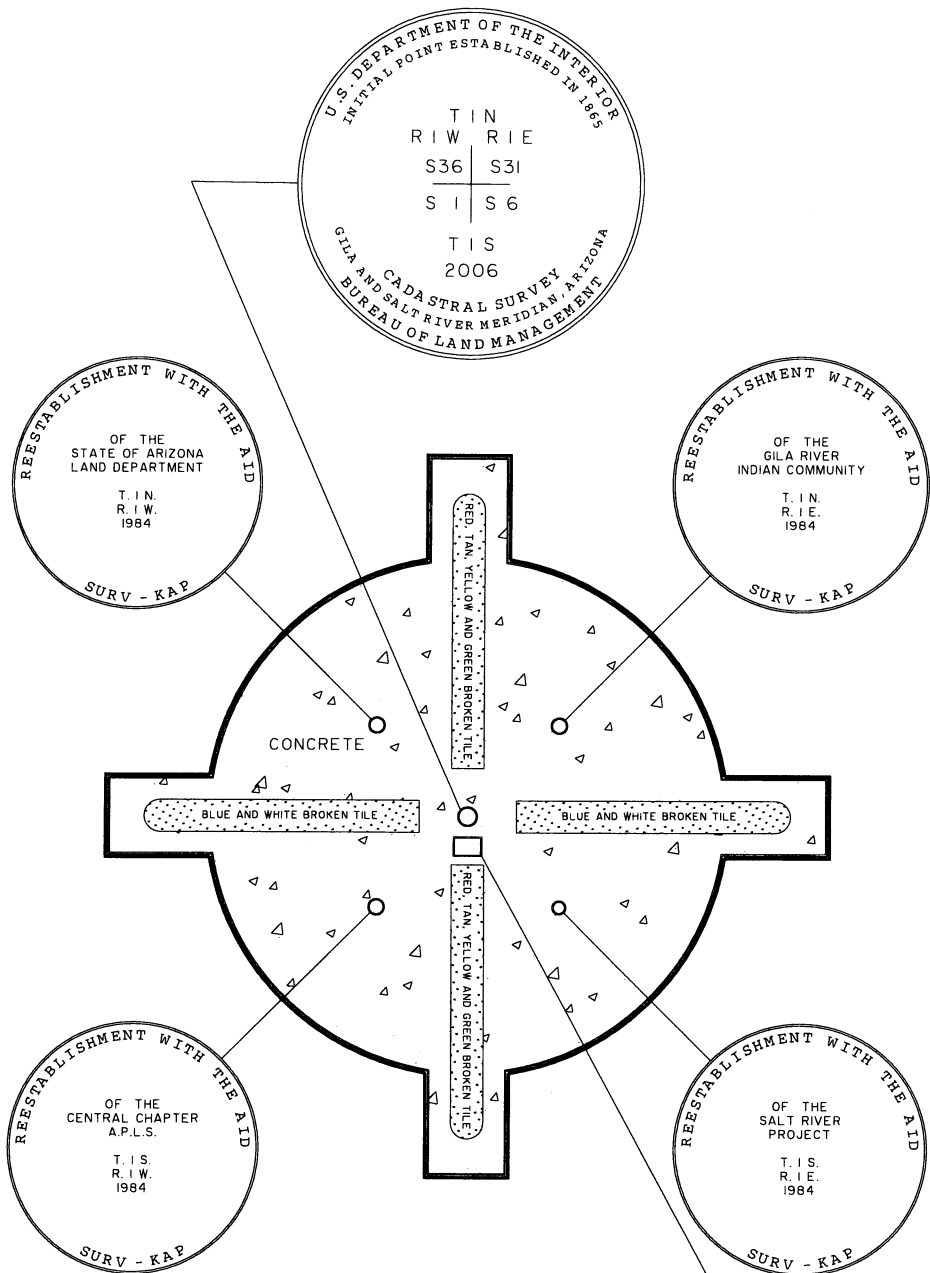
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The mean magnetic declination of 12° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v6.0, utilizing the International Geomagnetic Reference Field model for years 2005 through 2010, for the dates of survey.

Remonumentation of the Initial Point Gila and Salt River Meridian, Arizona

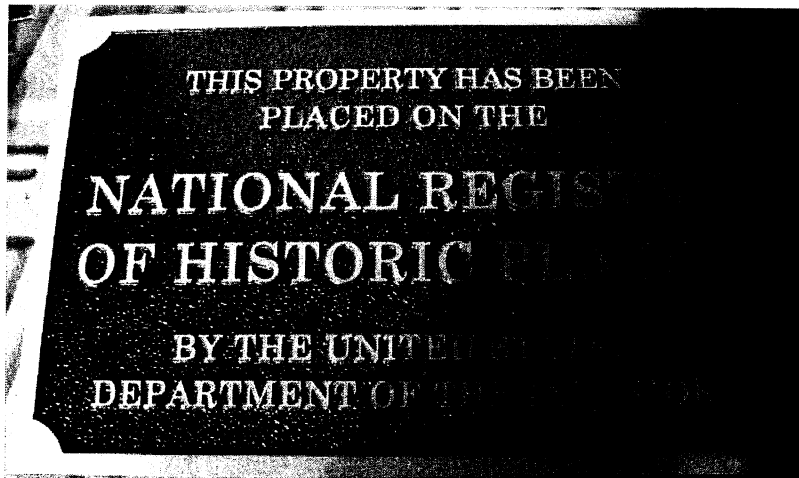
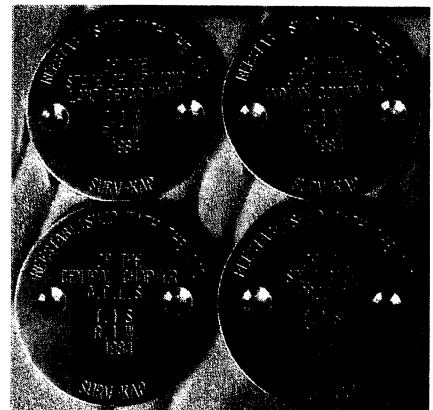
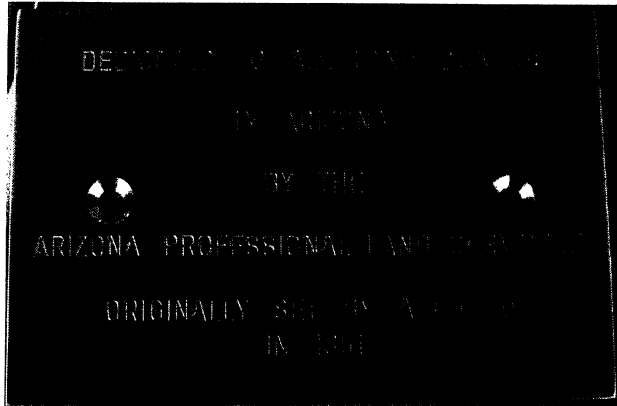
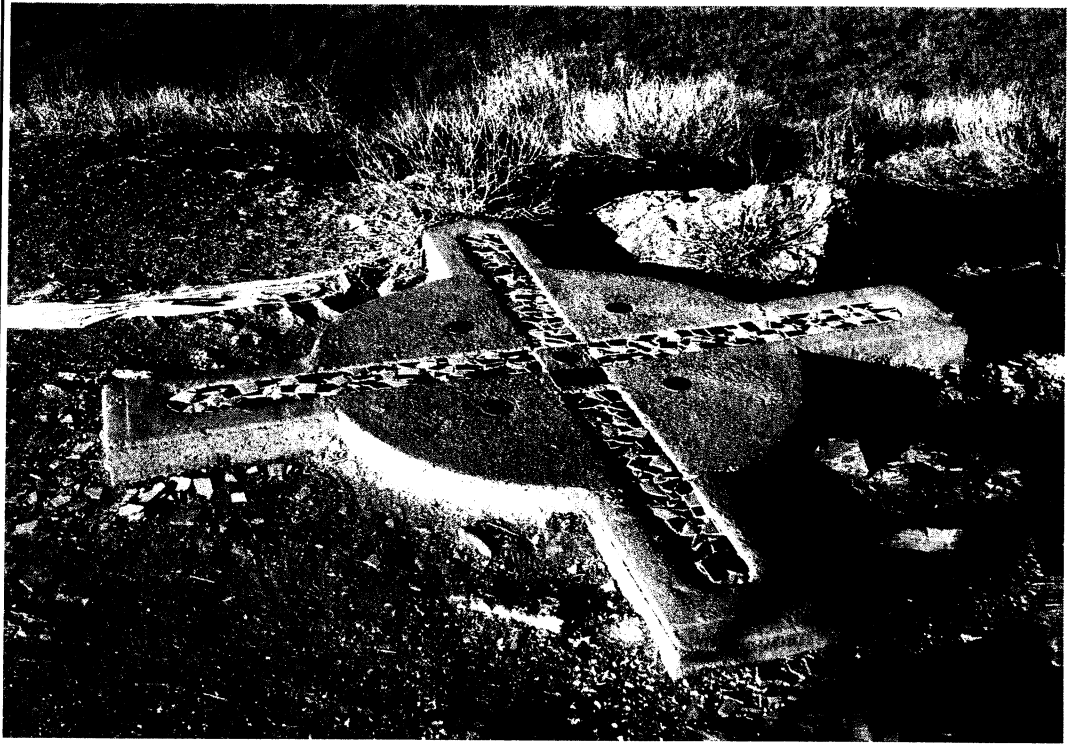
CHAINS



DEDICATED TO ALL LAND OWNERS
IN ARIZONA
BY THE
ARIZONA PROFESSIONAL LAND SURVEYORS
ORIGINALLY SET BY A. B. GRAY
IN 1851

Remonumentation of the Initial Point
Gila and Salt River Meridian, Arizona

CHAINS



CERTIFICATE OF SURVEY

I, Paul L. Moss, Supervisory Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 14th day of February, 2006, I have remonumented the Initial Point 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, and in specific manner described in the foregoing field notes.

MAR. 13, 2007
(Date)

Paul L. Moss
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the remonumentation of the Initial Point of the Gila and Salt River Meridian, in the State of Arizona, executed by Paul L. Moss, Supervisory Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

March 19, 2007
(Date)

Stephen K. Hansen
(Chief Cadastral Surveyor of Arizona)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above remonumentation of the Initial Point of the Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)