ORIGINAL

BOOK 5600

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY

OF

THE

NINTH STANDARD

PARALLEL NORTH,

(SOUTH BOUNDARY),

TOWNSHIP 37 NORTH, RANGE 27 EAST,

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

Leonard R. Sandoval, Cadastral Surveyor

Under Special Instructions dated and approved February 17, 1998, which provided for the surveys included under Group Number 822 and assignment instructions dated February 17, 1998.

Survey Commenced July 12, 1999
Survey Completed August 24, 1999

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 27 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 27 East, Gila and Salt River Meridian, Arizona.

The Ninth Standard Parallel North, (south boundary), Township 37 North, Range 26 East, was surveyed by Leonard R. Sandoval, in 1999, 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, 1973, and the Special Instructions dated February 17, 1998, for Group No. 822, Arizona.

The true meridian directions and lengths of all lines were determined by real time kinematic and static global positioning system observations using Trimble 4400 and 4700 model receivers.

Geodetic control was derived from first order National Geodetic Survey triangulation stations "BEAUTIFUL 1951" and "LOHALI 1951" utilizing NAD83(1992). The geographic position of the southeast corner of the township is as follows:

Latitude: 36°33'48.84" N. Longitude: 109°22'23.45" W.

The mean magnetic declination is 12 1/4° E.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Beginning at the stan. cor. of Tps. 37 N., Rs. 26 and 27 E., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the Ninth Standard Parallel North, (south boundary), T. 37 N., R. 26 E., executed concurrently under this same group.
	East, on the S. bdy. of sec. 31.
	Over rolling land atop a mesa.
3.70	W. rim of head of a canyon, bears ENE and WSW.
7.30	E. rim of same canyon, bears N. and S.; thence over rolling land atop a mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 31.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E 1/4 S31 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the stan. cor. of secs. 31 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E S31 | S32 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling and broken. Soil, sandy, gravelly and rocky clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 32.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling land atop a mesa.
30.95	Trail road, bears NNE and SSW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E 1/4 S32 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
77.50	Navajo Route 8009, a graded road, 26 ft. wide, bears N. and S.
80.00	Point for the stan. cor. of secs. 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E S32 | S33 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 33.
	Over rolling land atop a mesa.
15.50	Trail road, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of sec. 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T37N R27E 1/4 S33 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
49.00	Power line, bears ESE and WNW.
49.30	Trail road, bears ESE and WNW.
67.00	W. rim of a shallow canyon, bears NNE and SSW; thence descend into the canyon.
77.60	Power line, bears ENE and WSW.
80.00	Point for the stan. cor. of secs. 33 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	SC T37N R27E S33 | S34 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling and broken. Soil, sandy, gravelly and rocky clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 34.
	Over rolling land in a shallow canyon.
13.10	Base of E. slope of a shallow canyon, bears SE and NW; thence ascend.
22.20	E. rim of a shallow canyon, bears SE and NW; thence over rolling land atop a mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 34.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E 1/4 S34 1999 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
75.90	Trail road, bears NE and SW.
80.00	Point for the stan. cor. of secs. 34 and 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E S34 | S35 1999 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy, gravelly and rocky clay. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	East, on the S. bdy. of sec. 35. Over rolling land atop a mesa.
21.60	E. rim of mesa, bears NNE and SSW; thence over broken land on descent.
30.60	Base of E. slope of a mesa, bears N. and S.; thence over rolling and broken land.
40.00	Point for the stan. 1/4 sec. cor. of sec. 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T37N R27E 1/4 S35 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
44.20	Navajo Route 172, a graded road, 20 ft. wide, bears SSE and NNW.
61.00	Base of SW slope of Red Mesa, bears SSE and NNW; thence over broken land on ascent.
72.20	SW rim of Red Mesa, bears SE and NW; thence over rolling land atop Red Mesa.
80.00	Point for the stan. cor. of secs. 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in sandstone bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	SC T37N R27E S35 | S36 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 1.15 chs. N. of S. rim of Red Mesa, bears SE and NW.
	Land, rolling and broken. Soil, sandy, gravelly and rocky clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	East, on the S. bdy. of sec. 36.
	Over rolling land atop Red Mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T37N R27E 1/4 S36 1999 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the stan. cor. of Tps. 37 N., Rs. 27 and 28 E. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T37N R27E | R28E S36 | S31 1999 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.

T. 37 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	GENERAL DESCRIPTION
	The area surveyed is approximately 5 miles northeast of the community of Round Rock, Arizona. The terrain is rolling and broken land atop mesas; with a few small canyons. Drainage is mostly northerly; with southerly drainage on the south boundary of section 35. The elevation varies from 5,600 to 6,000 feet above sea level. The soil is mostly sandy, gravelly and rocky clay; with some sandstone outcrops. The vegetation principally consists of scattered brush and native grasses, with some scattered juniper in the eastern portion. Principal access to the area is provided by Navajo Route 8008, a graded road in section 32; and Navajo Route 172, another graded road in section 35. There are also a few trail roads. Most of the area is used for grazing of livestock. There is no evidence of current mining activity. The mean magnetic declination of 12 1/4° E. was derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
William F. Olver	Cadastral Surveyor
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

CERTIFICATE OF SURVEY

I, Leonard R. Sandoval, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 17th day of February 1998, I have surveyed the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 27 East, 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; and that 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, 1973, and in specific manner described in the foregoing field notes.

August 14, 2000 (Date)

Leonard R. Sandoval (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the survey of the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 27 East, Gila and Salt River Meridian, Arizona, executed by Leonard R. Sandoval, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

November 28, 2000 (Date)

Kenny P Lawnkar (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. 37 N., R. 27 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~ ~~(Chief Cadastral Surveyor of Arizona)~~