ORIGINAL

BOOK 5598

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 25 EAST,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Jones Curtiss, 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 May 12, 1999
Survey Completed June 14, 1999

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 25 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31 4	32 4	33 5	34 6	35 7	36 8

T. 37 N., R. 25 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 25 East, Gila and Salt River Meridian, Arizona.

The Ninth Standard Parallel North, (south boundary), Township 37 North, Range 24 East, was surveyed by Jones Curtiss in 1998, 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 directions of all lines were determined, and distances measured, by the technique of differential positioning using Trimble Navigation 4400 and 4700 Series Global Positioning System receivers utilizing the Real-Time Kinematic technique.

The geographic position of the southeast corner of the township was determined by the technique of differential positioning using Trimble Navigation 4400 and 4700 Series Global Positioning System receivers. First order National Geodetic Survey triangulation stations "BEAUTIFUL 1951" and "LOHALI 1951" were used as control stations. The geographic position is as follows:

Lat.: 36°33'48.842" N. Long.: 109°35'19.894" W. NAD83(1992)

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

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 25 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Beginning at the stan. cor. of Tps. 37 N., Rs. 24 and 25 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. SC T37N R24E R25E S36 S31 1998.
	East, on the S. bdy. of sec. 31.
	Over rolling land atop Carson Mesa.
18.00	Trail road, bears ENE and WSW.
24.90	Power line, bears NE and SW.
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 R25E 1/4 S31 1999
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
54.30	Apache County Road C567, a graded road, 20 ft. wide, bears SSE and NNW.
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 R25E S31 | S32 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 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. 25 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling land atop Carson Mesa.
8.60	Trail road, bears SSE and NNW.
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 R25E 1/4 S32 1999
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 45 lks. W. of a trail road, bears ESE and WNW.
50.90	Trail road, 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 R25E S32 | S33 1999
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 9 ins. above ground, bears N. 77°20′ E., 2.25 chs. dist., with square steel cap mkd. T37N R25E 32 33 4 T36N.
	Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 33.
	Over rolling land atop Carson Mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 33.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 25 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 R25E 1/4 S33 1999 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
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 R25E S33 | S34 1999 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located 35 lks. W. of a trail road, bears N. and S. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 34. Over rolling land atop Carson Mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 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 R25E 1/4 S34 1999 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 25 E., Gila and Salt River Meridian, Arizona

CHAINS	
78.90	Trail road, bears NNE and SSW.
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 R25E S34 | S35 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 clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 35.
	Over rolling land atop Carson mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 35.
	Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd.
	SC T37N R25E 1/4 S35 1999
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.
46.60	E. rim of Carson Mesa, atop sandstone cliff, bears SE and NW.
62.30	Base of E. slope of Carson Mesa, bears SE and NW; thence over rolling land in Chinle Valley.
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., 24 ins. in the ground, with brass cap mkd.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 25 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T37N R25E 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. Land, rolling and broken. Soil, sandy clay and sandstone outcrops. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 36. Over rolling land in Chinle Valley.
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. SC T37N R25E 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.
62.30	E. rim of a bluff, bears NE and SW; thence descend abruptly into floodplain of Chinle Wash.
80.00	Point for the stan. cor. of Tps. 37 N., Rs. 25 and 26 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 R25E | R26E S36 | S31 1999 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 25 E., Gila and Salt River Meridian, Arizona

CHAINS

Cor. is located 2.50 chs. W. of Chinle Wash, 20 ft. wide, 10 ft. deep, drains NE.

Land, rolling.
Soil, sandy and rocky clay.
Timber, Russian olive and saltcedar in floodplain; undergrowth, scattered brush and native grasses.

GENERAL DESCRIPTION

The area surveyed is within the Navajo Indian Reservation, approximately 14 miles north of the community of Many Farms, Arizona. The area surveyed is mostly atop Carson Mesa; except section 36, which is in Chinle Valley. Terrain is mostly rolling, with broken areas along the E. rim of Carson Mesa. The drainage atop Carson Mesa is westerly; and Chinle Valley is drained by Chinle Wash, which drains northerly.

The elevation varies from 5100 to 5800 feet above sea level. The soil is mostly sandy clay, with sandstone bedrock along the rim of Carson Mesa. Timber is cottonwood, Russian olive and saltcedar, confined to the floodplain of Chinle Wash. The vegetation elsewhere is scattered brush and native grasses.

Principal access to the township is provided by Apache County Road C567, a graded road which crosses the south boundary of section 31. There are some trail roads throughout the area. Much of the area is used for grazing livestock. There is no mining activity in the township.

The mean magnetic declination is 12 1/4° E., as 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, Jones Curtiss, 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 25 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)

Jones Curtiss (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 25 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

November 28, 2000 (Date)

Kenny D Ravnikar (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. 25 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

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