

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 26 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 June 22, 1999

Survey Completed July 28, 1999

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 26 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	32	33	34	35	36
4	5	5	6	7	8

T. 37 N., R. 26 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 26 East, Gila and Salt River Meridian, Arizona.

The Ninth Standard Parallel North, (south boundary), Township 37 North, Range 25 East, was surveyed by Jones Curtiss, 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 of 109°28'51.67" W.

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

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Beginning at the stan. cor. of Tps. 37 N., Rs. 25 and 26 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. 25 E., executed concurrently under this same group.</p>
	<p>Cor. is located 2.50 chs. W. of Chinle Wash, 20 ft. wide, 10 ft. deep, drains NE.</p>
	<p>East, on the S. bdy. of sec. 31.</p>
	<p>Over nearly level land in Chinle Valley.</p>
27.35	<p>Trail road, bears NNE and SSW.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 31.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R26E 1/4 S31 ----- 1999</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p>
45.30	<p>Base of W. slope of a mesa, bears SSE and NNW; thence over broken land on ascent from Chinle Valley.</p>
48.40	<p>W. rim of same mesa, bears SSE and NNW; thence over rolling land atop a mesa.</p>
80.00	<p>Point for the stan. cor. of secs. 31 and 32.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R26E S31 S32 ----- 1999</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Land, nearly level to broken to rolling. Soil, sandy and rocky clay. Timber, cottonwood, Russian olive and saltcedar near Chinle Wash; undergrowth, scattered brush and native grasses.</p> <hr/>
	<p>East, on the S. bdy. of sec. 32.</p>
	<p>Over rolling land atop a mesa.</p>
14.95	<p>Trail road, bears SE and NW.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 32.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R26E 1/4 S32 <hr/>1999</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>Point for the stan. cor. of secs. 32 and 33.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R26E S32 S33 <hr/>1999</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p>
	<p>Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p> <hr/>
	<p>East, on the S. bdy. of sec. 33.</p>
	<p>Over rolling land atop a mesa.</p>
32.90	<p>Trail road, bears SSE and NNW.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	
37.10	Power line, bears SSE and NNW.
40.00	Point for the stan. 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.
	SC T37N R26E 1/4 S33 <hr style="width: 10%; margin: 0 auto;"/> 1999
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
46.52	SW right-of-way fence of U. S. Highway 191, barbed wire, 5 strands, parallels highway.
47.42	Center of U. S. Highway 191, asphalt pavement, 27 ft. wide, bears SSE and NNW.
48.40	NE right-of-way fence of U. S. Highway 191, barbed wire, 5 strands, parallels highway.
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 R26E S33 S34 <hr style="width: 10%; margin: 0 auto;"/> 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.
	<hr style="border: 1px solid black;"/>
	East, on the S. bdy. of sec. 34.
	Over rolling land atop a mesa.
18.10	E. rim of a mesa, bears N. and S.; thence over broken land on descent into Lukachukai Valley.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	
34.40	Base of E. slope of same mesa, bears N. and S.; thence over nearly level land in Lukachukai Valley.
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.
	<div style="text-align: center;"> SC T37N R26E 1/4 S34 <hr style="width: 10%; margin: 0 auto;"/> 1999 </div>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
43.65	Trail road, bears SE and NW.
48.50	W. bank of floodplain of Lukachukai Wash, 8 ft. high, bears SSE and NNW.
73.60	Lukachukai Wash, 220 ft. wide, 2 ft. deep, drains N.
79.85	E. bank of floodplain of Lukachukai Wash, 8 ft. high, bears SSE and NNW.
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.
	<div style="text-align: center;"> SC T37N R26E S34 S35 <hr style="width: 10%; margin: 0 auto;"/> 1999 </div>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling to broken to nearly level. Soil, sandy and rocky clay, and sand. Timber, scattered cottonwood, Russian olive and saltcedar in floodplain of Lukachukai Wash; undergrowth, scattered brush and native grasses.
	<hr style="border: 1px solid black;"/> East, on the S. bdy. of sec. 35.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over nearly level land in Lukachukai Valley.
12.10	Base of W. slope of spur ridge of a mesa, bears NE and SW; thence over broken land on ascent from Lukachukai Valley.
28.10	W. rim of same spur ridge, bears NNE and SSW; thence over rolling land atop spur ridge.
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.
	<p style="text-align: center;">SC T37N R26E 1/4 S35</p> <hr style="width: 10%; margin: auto;"/>
	<p style="text-align: center;">1999</p>
	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 35 lks. W. of the E. rim of a spur ridge of a mesa, bears N. and S.; thence descend over rolling and broken land.
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., 16 ins. in the ground, to sandstone bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	<p style="text-align: center;">SC T37N R26E S35 S36</p> <hr style="width: 10%; margin: auto;"/>
	<p style="text-align: center;">1999</p>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, nearly level to rolling and broken. Soil, sandy, gravelly and rocky clay. No timber; scattered brush and native grasses.
	<hr/>
	East, on the S. bdy. of sec. 36.
	Over rolling and broken land along a canyon.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	
26.60	Wash at bottom of a canyon, 40 ft. wide, 4 ft. deep, drains NNW.
39.70	Same wash, 40 ft. wide, 2 ft. deep, drains SW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 36.
	Set a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case, 24 ins. below the surface of the ground.
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 60°00' E., 125.0 ft. dist., with brass cap mkd. SC T37N R26E 1/4 S36 RM 125.0 FT TO COR 1999 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 30°00' W., 70.0 ft. dist., with brass cap mkd. SC T37N R26E 1/4 S36 RM 70.0 FT TO COR 1999 and an arrow pointing to the cor. 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 on SE edge of a wash, 40 ft. wide, 2 ft. deep, drains SW.
50.70	Same wash, 30 ft. wide, 5 ft. deep, drains NW.
56.80	Same wash, 30 ft. wide, 2 ft. deep, drains WSW.
66.20	Same wash, 20 ft. wide, 4 ft. deep, drains WNW.
66.80	Base of NE slope of a canyon, bears N. and S.; thence over broken land on ascent from canyon.
71.80	NE rim of same canyon, bears SSE and NNW; thence over rolling land.
80.00	Point for the stan. cor. of Tps. 37 N., Rs. 26 and 27 E.
	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. 26 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>SC T37N R26E R27E S36 S31</p> <hr style="width: 50%; margin: auto;"/> <p>1999</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, broken and rolling. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.</p>
	<hr/> <p>GENERAL DESCRIPTION</p> <hr/>
	<p>The area surveyed is approximately 5 miles northwest of the community of Round Rock, Arizona. The terrain is mostly rolling. The main drainages are Chinle Wash and Lukachukai Wash, each of which drains northerly.</p> <p>The elevation varies from 5,100 to 5,600 feet above sea level. The soil is mostly sandy and rocky clay. The only timber is confined to the floodplains and consists of scattered cottonwood, Russian olive and saltcedar. The predominant vegetation is scattered brush and native grasses.</p> <p>Principal access to the area is provided by U. S. Highway 191, which crosses the south boundary of section 33. Additional access is provided by trail roads. Most of the area is used for grazing of livestock. There is no evidence of current mining activity.</p> <p>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.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
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 26 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 26 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 26, 2000
(Date)

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

~~_____~~
~~(Date)~~

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