

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

SURVEY

OF

THE

EIGHTH STANDARD

PARALLEL NORTH,

(SOUTH BOUNDARY),

TOWNSHIP 33 NORTH, RANGE 23 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 August 14, 2000, which provided for the surveys included under Group Number 855 and assignment instructions dated August 14, 2000.

Survey Commenced October 11, 2000

Survey Completed October 18, 2000

INDEX DIAGRAM

TOWNSHIP 33 NORTH, RANGE 23 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
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T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of the Eighth Standard Parallel North, (south boundary), Township 33 North, Range 23 East, Gila and Salt River Meridian, Arizona.

The Eighth Standard Parallel North, along the south boundary of Township 33 North, Range 24 East, was surveyed by Leonard R. Sandoval in 1989-90.

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 August 14, 2000, for Group No. 855, 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 or better U. S. Coast and Geodetic Survey triangulation stations "BEAUTIFUL 1951" and "KEAMS 1951", as published by the National Geodetic Survey, NAD83(1992). The geographic position of the southeast corner of the township is as follows:

Latitude: 36°12'56.19" N. Longitude: 109°48'35.35" W.

The mean magnetic declination is 12° E.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Beginning at the stan. cor. of Tps. 33 N., Rs. 23 and 24 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, encircled with a collar of stone, with brass cap mkd. SC T33N R23E R24E S31 S36 1990.</p>
	<p>Add the marks 2000 to the brass cap.</p>
	<p>Cor. is located on the steep SW slope of a clay outcrop.</p>
	<p>West, on the S. bdy. of sec. 36.</p>
	<p>Over rugged land, ascending E. slope of a mesa.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 36.</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</p>
	<p style="text-align: center;">T33N R23E</p>
	<p style="text-align: center;">1/4 S36</p>
	<p style="text-align: center;">—————</p>
	<p style="text-align: center;">2000</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>
48.50	<p>E. rim of a mesa, bears NE and SW; thence over rolling land atop a mesa.</p>
80.00	<p>Point for the stan. cor. of secs. 35 and 36.</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</p>
	<p style="text-align: center;">T33N R23E</p>
	<p style="text-align: center;">S35 S36</p>
	<p style="text-align: center;">—————</p>
	<p style="text-align: center;">2000</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, rugged to rolling.</p>
	<p>Soil, sandy and rocky clay and sandstone outcrops.</p>
	<p>Timber, piñon and juniper; undergrowth, scattered brush and native grasses.</p>

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	West, on the S. bdy. of sec. 35.
	Over rolling land, atop a mesa.
13.20	W. rim of a mesa, bears NNE and SSW; thence over rugged land in a large canyon.
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.
	SC T33N R23E 1/4 S35 <hr style="width: 10%; margin: auto;"/> 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
50.90	E. rim of a spur ridge, bears SSE and NNW.
54.80	W. rim of same spur ridge, bears NNE and SSW; thence over a canyon.
62.70	E. rim of a mesa, bears N. and S.; thence over rolling land atop a mesa.
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 T33N R23E S34 S35 <hr style="width: 10%; margin: auto;"/> 2000
	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 rugged. Soil, sandy and rocky clay and sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, on the S. bdy. of sec. 34.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling and broken land, atop a mesa.
39.65	Trail road, bears NNE and SSW.
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 T33N R23E 1/4 S34 <hr style="width: 50px; margin: 0 auto;"/> 2000 </div>
	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. 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.
	<div style="text-align: center;"> SC T33N R23E S33 S34 <hr style="width: 50px; margin: 0 auto;"/> 2000 </div>
	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 a rocky S. slope.
	Land, rolling and broken. Soil, sandy and rocky clay and sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, on the S. bdy. of sec. 33.
	Over rolling and broken land, atop a mesa.
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.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">SC T33N R23E 1/4 S33 ----- 2000</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>Cor. is located atop left bank of a wash, 2 ft. wide, 1 ft. deep, drains WSW; and 90 lks. N. of a trail road, bears E. and W.</p>
44.55	Trail road, bears ESE in curve to left.
45.30	Trail road, bears NNE and SSW.
50.30	E. rim of a narrow canyon, bears N. and S.
53.20	W. rim of same canyon, bears NE and SW.
79.00	W. rim of a mesa, bears SSE and NNW; thence over steep descent of W. slope of the mesa.
80.00	Point for the stan. cor. of secs. 32 and 33.
	<p>Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in a sandstone boulder, 17 x 12 x 6 ft. high, with top mkd.</p> <p style="text-align: center;">SC T33N R23E S32 S33 ----- 2000</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case in the drill hole beneath the brass tablet.</p> <p>Cor. is located on steep W. slope of a mesa.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay and sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.</p> <hr/> <p>West, on the S. bdy. of sec. 32.</p> <p>Over broken to rolling land, on descent into a valley.</p>

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
38.90	Navajo Route 29, a graded road, 22 ft. wide, bears N. and S.; thence over gently rolling land.
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.
	<p style="text-align: center;">SC T33N R23E 1/4 S32 ----- 2000</p>
	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.
	<p style="text-align: center;">SC T33N R23E S31 S32 ----- 2000</p>
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	<p>Land, broken to rolling to gently rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.</p>
	West, on the S. bdy. of sec. 31.
	Over gently rolling land, across a valley.
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.

Survey of the Eighth Standard Parallel North, (South Boundary),
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CHAINS	
	<p style="text-align: center;">SC T33N R23E 1/4 S31 ----- 2000</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>
46.20	<p>Polacca Wash, 20 ft. wide, 15 ft. deep, drains S.</p>
47.00	<p>Power line, bears NE and SW.</p>
75.40	<p>Navajo Route 29, a graded road, 20 ft. wide, bears SSE and NNW.</p>
80.00	<p>Point for the stan. cor. of Tps. 33 N., Rs. 22 and 23 E.</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 T33N R22E R23E S36 S31 ----- 2000</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, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p>

T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed is northeast of the community of Blue Gap. The west end of the surveyed area is in a broad valley. The eastern portion crosses high mesas and rugged canyons. The drainage is predominantly southerly, with Polacca Wash being the main drainage. The drainage in the extreme eastern portion is easterly.

The elevation varies from 6,500 to 7,300 feet above sea level. The soil is sandy clay in the valley, with sandy and rocky clay and sandstone outcrops on the mesas and in the canyons. The timber consists of piñon and juniper on the mesas, with undergrowth of scattered brush and native grasses.

Principal access to the township is provided by Navajo Route 29, a graded road which crosses the south boundary of section 31, completes a loop to the north, and crosses the south boundary of section 32. A trail road in section 32 is the only access to the top of any of the mesas. Most of the area is used for grazing of livestock. There is no evidence of current mining activity.

The mean magnetic declination of 12° E. was derived from the computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 2000 for the dates of survey.

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, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 14th day of August, 2000, I have surveyed the Eighth Standard Parallel North, (south boundary), Township 33 North, Range 23 East, of the Gila and Salt River Meridian, in the state of Arizona, which is 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.

December 24, 2002
(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 Eighth Standard Parallel North, (south boundary), Township 33 North, Range 23 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

January 14, 2003
(Date)

Kenny D Ravmbar
(Chief Cadastral Surveyor of Arizona)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described survey in T. 33 N., R. 23 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)