

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 22 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 24, 2000
Survey Completed December 6, 2000

INDEX DIAGRAM

TOWNSHIP 33 NORTH, RANGE 22 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 33 N., R. 22 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 22 East, Gila and Salt River Meridian, Arizona.

The east boundary of the 1882 Executive Order Hopi Indian Reservation was surveyed by Leonard W. Murphy and Paul G. Bauer in 1964. The Eighth Standard Parallel North, (south boundary), Township 33 North, Range 23 East, was surveyed by Jones Curtiss in 2000, 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 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°55'01.82" W.

The mean magnetic declination is 12° E.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Beginning at the stan. cor. of Tps. 33 N., Rs. 22 and 23 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 Eighth Standard Parallel North, (south boundary), T. 33 N., R. 23 E., executed concurrently under this same group.</p>
	<p>West, on the S. bdy. of sec. 36.</p>
	<p>Over rolling land.</p>
28.62	<p>The NE cor. of a L-shaped wood panelled house, with overall dimensions of 44 x 28 ft., bears North, 1.41 chs. dist., sides bear WNW for 28 ft. and SSW for 16 ft.</p>
28.75	<p>The center of a circular earthen hogan, 20 ft. diam., bears South, 27 lks. dist.</p>
29.00	<p>The SE cor. of a stuccoed house, 19 1/2 x 18 ft., bears North, 33 lks. dist., long side bears NNE.</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 T33N R22E 1/4 S36 <hr/>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>
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 T33N R22E S35 S36 <hr/>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>

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Land, rolling. Soil, sand and sandy clay. No timber; scattered brush and native grasses.</p>
	<p>West, on the S. bdy. of sec. 35.</p>
	<p>Over rolling land.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 35.</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 1/4 S35 ----- 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>
80.00	<p>Point for the stan. cor. of secs. 34 and 35.</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 S34 S35 ----- 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, rolling. Soil, sand and sandy clay. No timber; scattered brush and native grasses.</p>
	<p>West, on the S. bdy. of sec. 34.</p>
	<p>Over rolling land.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 34.</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>

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">SC T33N R22E 1/4 S34 <hr/>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>Thence ascend over rolling and broken land.</p>
80.00	<p>Point for the stan. cor. of secs. 33 and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T33N R22E S33 S34 <hr/>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 between two sandstone boulders, atop a ridge, bears ENE and WSW.</p> <p>Land, rolling to broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.</p>
	<p>West, on the S. bdy. of sec. 33.</p> <p>Over broken land, on ascent of E. slope of a nearly inaccessible mesa.</p>
36.40	<p>E. rim of a mesa, bears SSE and NNW; thence over rolling land, atop a mesa.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 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>

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T33N R22E 1/4 S33 <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.
43.40	W. rim of a mesa, bears N. and S.; thence over broken land, across a canyon.
60.10	E. rim of a nearly inaccessible mesa, bears SSE and NNW; thence over rolling land, atop a mesa.
69.30	W. rim of a mesa, bears N. and S.; thence over broken land, across a canyon.
77.20	E. rim of a nearly inaccessible mesa, bears N. and S.; thence over rolling land, atop a mesa.
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 T33N R22E S32 S33 <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, broken and rolling. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.
	West, on the S. bdy. of sec. 32.
	Over rolling land, atop a mesa.
38.30	W. rim of a mesa, bears NNE and SSW; thence over broken land, on descent of W. slope of a mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 32.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>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.</p> <p style="text-align: center;">SC T33N R22E 1/4 S32 ----- 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>Thence continue descent into Donkey Spring Canyon.</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 T33N R22E S31 S32 ----- 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, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
21.90	<p>West, on the S. bdy. of sec. 31.</p> <p>Over rolling land, on descent into Donkey Spring Canyon.</p> <p>Donkey Spring Canyon, a wash, 50 ft. wide, 20 ft. deep, drains WSW; thence begin ascent from Donkey Spring Canyon.</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 T33N R22E 1/4 S31 ----- 2000</p>

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	<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>Thence over rolling and broken land, on ascent of W. slope of Donkey Spring Canyon.</p> <p>80.00 Point for the stan. cor. of Tps. 33 N., Rs. 21 and 22 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> <div style="text-align: center;"> <table border="0"> <tr><td>SC</td></tr> <tr><td>T33N</td></tr> <tr><td>R21E R22E</td></tr> <tr><td>S36 S31</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td colspan="2">2000</td></tr> </table> </div> <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 and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>	SC	T33N	R21E R22E	S36 S31	<hr/>		2000	
SC									
T33N									
R21E R22E									
S36 S31									
<hr/>									
2000									
	<p>GENERAL DESCRIPTION</p>								
	<p>The area surveyed is approximately 3 miles north of the Blue Gap/Tachee Chapter House. The east half of the surveyed area is rolling land in a wide valley. The west half of the surveyed area contains nearly inaccessible mesas and canyons. The drainage is southerly. The principal drainage is Donkey Spring Canyon, a wash, which is in section 31.</p> <p>The elevation varies from 6,600 to 7,400 feet above sea level. The soil varies from sandy clay in the valley to rocky clay and sandstone outcrops in the broken areas. The timber primarily consists of piñon and juniper on the mesas and in the canyons. Other vegetation consists of scattered brush and native grasses.</p> <p>Principal access to the surveyed area is provided by a few trail roads below the mesas. 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° E. was derived from the computer program GEOMAGIX utilizing the Regional Magnetic Model for Epoch 2000 for the dates of survey.</p>								

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 14th day of August, 2000, I have surveyed the Eighth Standard Parallel North, (south boundary), Township 33 North, Range 22 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.

May 19, 2003
(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 22 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

8/20/03
(Date)

Stephen K Hansen
Acting (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. 22 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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