Book 5677

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 21 EAST,

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

EXECUTED BY

Jones Curtiss and Leonard R. Sandoval, Cadastral Surveyors

Under Special Instructions dated and approved August 14, 2000, and Supplemental Special Instructions dated and approved January 22, 2001, which provided for the surveys included under Group Number 855 and assignment instructions dated August 14, 2000.

Survey Commenced November 28, 2000
Survey Completed June 14, 2001

INDEX DIAGRAM

TOWNSHIP 33 NORTH, RANGE 21 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 33 N., R. 21 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 21 East, Gila and Salt River Meridian, Arizona.

The Eighth Standard Parallel North, (south boundary), Township 33 North, Range 22 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, the Special Instructions dated August 14, 2000, and the Supplemental Special Instructions dated January 22, 2001, 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: 110°01'28.29" W.

The mean magnetic declination is 12° E.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Beginning at the stan. cor. of Tps. 33 N., Rs. 21 and 22 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. 22 E., executed concurrently under this same group.
	West, on the S. bdy. of sec. 36.
	Over broken land, on ascent of E. slope of a mesa.
9.70	E. rim of a nearly inaccessible mesa, bears NNE and SSW; thence over rolling land, atop a mesa.
20.60	W. rim of same 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. 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T33N R21E 1/4 S36 2001
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Thence over rolling to broken land, across a canyon.
77.70	E. rim of a nearly inaccessible mesa, bears ENE and WSW; thence over rolling land, atop a 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., 24 ins. in the ground, with brass cap mkd. SC T33N R21E S35 | S36 2001
	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 Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, broken and rolling. Soil, sand and rocky clay with sandstone outcrops. Timber, piñon, juniper and Gambel's oak; undergrowth, brush and native grasses.
	West, on the S. bdy. of sec. 35.
	Over rolling land, atop a mesa.
9.60	W. rim of a mesa, bears NE and SW; thence over broken land, on descent of W. slope of a mesa.
16.10	Base of steep W. slope of a mesa, bears NE and SW; thence over rolling and broken land, on descent into Burnt Corn Valley.
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 R21E 1/4 S35 2001
	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 at E. edge of Burnt Corn Valley; thence over nearly level land, across Burnt Corn Valley.
58.70	Burnt Corn Wash, 60 ft. wide, 10 ft. deep, drains S.
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 R21E S34 | S35 2001
	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 at W. edge of Burnt Corn Valley.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, broken, rolling and nearly level. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon, juniper and Gambel's oak; undergrowth, scattered brush and native grasses.
	West, on the S. bdy. of sec. 34.
	Over rolling and broken land, on ascent from Burnt Corn Valley.
21.30	Base of steep E. slope of a mesa, bears NNE and SSW; thence over broken land, on ascent of E. slope of a mesa.
29.90	E. rim of same mesa, bears NNE and SSW; thence over rolling land, atop a mesa.
37.80	E. rim of a canyon, bears N. and S.; thence over broken land, on descent into a canyon.
40.00	True point for the stan. 1/4 sec. cor. of secs. 34, falls on sheer face of a sandstone cliff; where it is impracticable to establish a monument. From this true cor. point, the point selected for the witness cor. to the stan. 1/4 sec. cor. of sec. 34, bears N. 50°00′ W., 1.50 chs. dist. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. WC SC T33N R21E 1/4 S34 2001 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
58.20	W. rim of same canyon, bears NNE and SSW; thence over rolling land, atop a mesa.
69.00	E. rim. of a canyon, bears SE and NW; thence descend into a canyon.
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.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T33N R21E S33 | S34 2001 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 in a canyon, 60 lks. E. of a wash, 10 ft. wide, 3 ft. deep, drains SSE. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon, juniper and Gambel's oak; undergrowth, brush and native grasses.
	West, on the S. bdy. of sec. 33. Over broken land, on ascent from a canyon.
4.10	W. rim of a canyon, bears SSE and NNW; thence over rolling 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. SC T33N R21E 1/4 S33 2001 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
43.10	Ridge, bears NNE and SSW.
66.00	E. rim of Wepo Canyon, bears SSE and NNW; thence over broken land, on descent into Wepo Canyon.
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.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	SC T33N R21E S32 | S33 2001
	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 at base of E. slope of Wepo Canyon, bears NNE and SSW.
	Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon, juniper and Gambel's oak; undergrowth, brush and native grasses.
	West, on the S. bdy. of sec. 32.
	Over rolling land, in Wepo Canyon.
5.40	E. bank of Wepo Wash, 20 ft. high, bears N. and S.
7.70	W. bank of Wepo Wash, 20 ft. high, bears SSE and NNW.
8.90	Navajo Route 8030, a graded road, 26 ft. wide, bears NNE and SSW.
9.10	Base of W. slope of Wepo Canyon, bears NNE and SSW; thence over broken land, on ascent from Wepo Canyon.
13.50	W. rim of Wepo Canyon, bears NNE and SSW; thence over rolling land, atop a mesa.
40.00	Point for the stan. 1/4 sec. cor. of sec. 32.
	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 T33N R21E 1/4 S32 2001
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.
	Cor. is located 20 lks. E. of E. rim of a canyon, bears N. and S.

Survey of the Eighth Standard Parallel North, (South Boundary),
T. 33 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Thence over broken land, on descent into a canyon.
53.40	Base of E. slope of a canyon, bears SSE and NNW.
57.85	Trail road, bears SSE and NNW, at base of W. slope of a canyon without a well-defined W. rim; thence over broken and rolling land, across a ridge.
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 T33N R21E S31 | S32 2001
	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 and rocky clay with sandstone outcrops. Timber, piñon, juniper and Gambel's oak; undergrowth, brush and native grasses.
	West, on the S. bdy. of sec. 31.
	Over rolling and broken land, across canyons and ridges.
17.10	Wash, 8 ft. wide, 5 ft. deep, drains SSE.
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 T33N R21E 1/4 S31 2001
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
51.20	Wash, 10 ft. wide, 1 ft. deep, drains SSW.

Survey of the Eighth Standard Parallel North, (South Boundary),
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CHAINS	
72.80	Ridge at highest point of this survey, bears SSE and NNW; thence over broken land, on descent of W. slope of a ridge.
80.00	Point for the stan. cor. of Tps. 33 N., Rs. 20 and 21 E. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. SC T33N R20E | R21E S36 | S31 2001 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 and rocky clay with sandstone outcrops. Timber, piñon, juniper and Gambel's oak; undergrowth, brush and native grasses.

GENERAL DESCRIPTION

The area surveyed is approximately 9 miles northeast of the community of Piñon, Arizona. The terrain is mostly mesas and canyons. Drainage is southwesterly, with Burnt Corn Wash in section 35 and Wepo Wash in section 32 being the principal drainages.

The elevation varies from 6700 to 7300 feet above sea level. The soil is mostly sandy and rocky clay with numerous sandstone outcrops. The timber consists of piñon, juniper and Gambel's oak. Other vegetation consists of brush and native grasses.

Principal access to the surveyed area is provided by a Navajo Route 8030, a graded road in section 32. There are some trail roads in sections 32, 35 and 36. 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 Model for Epoch 2000 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

We, Jones Curtiss and Leonard R. Sandoval, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 14th day of August, 2000, and Supplemental Special Instructions bearing date of the 22nd day of January, 2001, we have surveyed the Eighth Standard Parallel North, (south boundary), Township 33 North, Range 21 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 us and under our direction; and that said survey has been made in strict conformity with said Special Instructions, Supplemental 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)

5/19/03 (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 Eighth Standard Parallel North, (south boundary), Township 33 North, Range 21 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss and Leonard R. Sandoval, Cadastral Surveyors, 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. 21 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

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