

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
THE SIXTH STANDARD PARALLEL NORTH,
(SOUTH BOUNDARY),

TOWNSHIP 25 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 January 22, 2001, which provided for the surveys included under Group No. 863, and assignment instructions dated January 22, 2001.

Survey commenced December 3, 2001

Survey completed December 20, 2001

INDEX DIAGRAM

TOWNSHIP 25 NORTH RANGE 22 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. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of the Sixth Standard Parallel North, (south boundary), T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

The Sixth Standard Parallel North through Range 21 East was originally surveyed by A. P. Johnson in 1883, and resurveyed by Sidney E. Blout in 1910.

The Sixth Standard Parallel North through Range 22 East was originally surveyed by Frank Follman in 1883.

The east boundary of the 1882 Executive Order Boundary of the Hopi Indian Reservation was surveyed by Leonard W. Murphy and Paul G. Bauer in 1964.

The resurvey 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 January 22, 2001, for Group No. 863, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from U. S. Coast and Geodetic Survey first order triangulation station "INDIAN 1951" and U. S. Geological Survey second order triangulation station "GREASEWOOD 1972", as published by the National Geodetic Survey, NAD83(1992). The geographic position of the southeast corner of the township is as follows:

Latitude: 35°31'04.84" N. Longitude: 109°56'01.82" W.

The mean magnetic declination is 11 1/2° E.

Dependent Resurvey of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS					
	<p style="text-align: center;">Restoring the survey executed by Frank Follman, in 1883</p> <hr/> <p>Beginning at the cor. of Tps. 25 N., Rs. 21 and 22 E., monumented with a concrete filled iron post, 3 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap missing.</p> <p>At the cor. point</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;"> <p>SC</p> <p>T 25 N</p> <table border="1" style="margin: auto;"> <tr> <td>R 21 E</td> <td>R 22 E</td> </tr> <tr> <td>S 36</td> <td>S 31</td> </tr> </table> </div> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Bury the iron post alongside the stainless steel post.</p> <p>S. 89°55' E., on the S. bdy. of sec. 31.</p> <p>Over rolling land.</p>	R 21 E	R 22 E	S 36	S 31
R 21 E	R 22 E				
S 36	S 31				
40.17	<p>Point for the stan. 1/4 sec. cor. of sec. 31, at proportionate dist.; there is no remaining evidence of the original cor.</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;"> <p>SC</p> <p>T 25 N R 22 E</p> <p>1/4 S 31</p> <hr/> </div> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>				
54.30	<p>Graded road, 15 ft. wide, bears ENE and WSW.</p>				
80.34	<p>Point for the stan. cor. of secs. 31 and 32, at proportionate dist.; there is no remaining evidence of the original cor.</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>				

Dependent Resurvey of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">SC T 25 N R 22 E <u>S 31 S 32</u></p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>S. 89°55' E., on the S. bdy. of sec. 32.</p> <p>Over rolling land.</p>
5.50	Graded road, 12 ft. wide, bears ENE and WSW.
40.17	<p>Point for the stan. 1/4 sec. cor. of sec. 32, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>1/4 S 32</u></p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
80.34	<p>Point for the stan. cor. of secs. 32 and 33, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>S 32 S 33</u></p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>S. 89°55' E., on the S. bdy. of sec. 33.</p> <p>Over rolling land.</p>

Dependent Resurvey of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
19.94	<p>Barbed wire fence, 5 strands, bears N. and S.</p> <p>From this point, the 182 mile cor. on the E. bdy. of the 1882 Executive Order Boundary of the Hopi Indian Reservation, bears South, 19.38 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. 182 M EO 1882 NAVAJO 1964. Cor. is located in a barbed wire fence, 5 strands, bears N. and S.</p> <p>From this same point, the 182 1/2 mile cor. on the E. bdy. of the 1882 Executive Order Boundary of the Hopi Indian Reservation, bears North, 20.66 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. 182 1/2 M EO 1882 NAVAJO 1964. Cor. is located in a barbed wire fence, 5 strands, bears N. and S.</p>
40.17	<p>Point for the stan. 1/4 sec. cor. of sec. 33, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E 1/4 S 33 ----- 2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
80.34	<p>Point for the stan. cor. of secs. 33 and 34, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E S 33 S 34 ----- 2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>S. 89°55' E., on the S. bdy. of sec. 34.</p> <p>Over rolling land.</p>

Dependent Resurvey of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.17	<p>Point for the stan. 1/4 sec. cor. of sec. 34, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>1/4 S 34</u></p> <p style="text-align: center;">2001</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
80.34	<p>Point for the stan. cor. of secs. 34 and 35, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>S 34 S 35</u></p> <p style="text-align: center;">2001</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
	<hr/> <p>S. 89°55' E., on the S. bdy. of sec. 35.</p>
	<p>Over rolling land.</p>
35.10	<p>Earthen dike, 12 ft. wide, 8 ft. high, bears N. and S.</p>
40.17	<p>Point for the stan. 1/4 sec. cor. of sec. 35, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>1/4 S 35</u></p> <p style="text-align: center;">2001</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>

Dependent Resurvey of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.34	<p>Point for the stan. cor. of secs. 35 and 36, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>S 35 S 36</u></p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>S. 89°55' E., on the S. bdy. of sec. 36.</p> <p>Over rolling land.</p>
40.17	<p>Point for the stan. 1/4 sec. cor. of sec. 36, at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E <u>1/4 S 36</u></p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
80.34	<p>Point for the stan. cor. of Tps. 25 N., Rs. 22 and 23 E., at proportionate dist.; there is no remaining evidence of the original cor.</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 T 25 N R 22 E R 23 E <u>S 36 S 31</u></p> <p style="text-align: center;">2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>

Dependent Resurvey of the Sixth Stan. Par. North, (S. Bdy.),
T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS

From this cor. point, the stan. cor. of Tps. 25 N., Rs. 24 and 25 E., bears S. 89° 55' E., 964.08 chs. dist., monumented with an iron post, 3 ins. diam., loosely set, projecting 16 ins. above ground and is accepted as the best available evidence of the original corner; there is no remaining evidence of the original stone, with brass cap mkd.

T 25 N	
R 24 E	R 25 E
S 36	S 31

T 24 N
1915

At the cor. point, to better perpetuate the cor. position, set a stainless steel post, 28 ins. long, 2 1/2 diam., 24 ins. in the ground, with brass cap mkd.

SC	
T 25 N	
R 24 E	R 25 E
S 36	S 31

2001

Deposit a magnet in a white plastic case at the base of the stainless steel post.

Bury the iron post alongside the stainless steel post.

This control line was fully retraced and careful search was made for evidence of intervening cors., none of which was recovered.

T. 25 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed is within the Navajo Indian Reservation, westerly of the community of Greasewood, Arizona. The area is situated between Deshgish Butte to the west and Satan Butte to the east.

The elevation varies from 5880 to 6040 feet above sea level. The soil is sand and sandy clay. Undergrowth consists of scattered brush, cacti, greasewood and native grasses.

Principal access to the area from Holbrook, Arizona is provided via Arizona State Highway 77 and Navajo Route No. 15.

The mean magnetic declination of $11\ 1/2^\circ$ E. was derived from the computer program GEOMAGIX, utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.

CERTIFICATE OF SURVEY

I, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 22nd day of January, 2001, I have dependently resurveyed the Sixth Standard Parallel North, (south boundary), T. 25 N., R. 22 E., 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. 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.

March 05, 2004
(Date)

Jones Curtiss
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of the Sixth Standard Parallel North, (south boundary), T. 25 N., R. 22 E., Gila and Salt River Meridian, in the State of Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

March 10, 2004
(Date)

Lenny D. Rasmussen
(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. 25 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)