

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF

MINERAL SURVEY NO. 29, TRENCH MILL SITE;

AND

THE SURVEY OF

TRACT 38,

IN

UNSURVEYED TOWNSHIP 23 SOUTH, RANGE 16 EAST

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

EXECUTED BY
Clyde J. King, Cadastral Surveyor

Under Special Instructions dated June 14, 1993, approved June 14, 1993, which provided for the surveys included under Group Number 759 and assignment instructions dated June 14, 1993.

Survey commenced July 6, 1993
Survey completed July 8, 1993

INDEX DIAGRAM

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Survey of Tract 38

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T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of Mineral Survey No. 29, Trench Mill Site; and survey of Tract 38, in unsurveyed Township 23 South, Range 16 East, Gila and Salt River Meridian, Arizona.

Mineral Survey No. 29 is known as General Number 29, Lot No. 37 B on the original mineral survey plat. For the purpose of this survey, reference will be made to Mineral Survey No. 29, Trench Mill Site.

The history of surveys pertaining to this resurvey is as follows: Mineral Survey No. 29 was surveyed by T. F. White in 1873. The South boundary of Township 22 South, Range 16 East was surveyed by John F. Hesse in 1912. Mineral Survey No. 4104 A and B was surveyed by Edward L. Haff in 1929.

The survey was requested by the Forest Supervisor, Coronado National Forest, by letter dated December 15, 1992.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 14, 1993, for Group No. 759, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Topcon GTS-3B total station instrument.

The geographic position of AP1, Tract 38, as determined by differential positioning using the Ashtech MXII Geodetic Positioning System. U. S. Geological Survey triangulation station "GREAT 1936" was used as a control station.

Latitude: 31°28'04.90" N. Longitude: 110°42'26.23" W. NAD 27

The mean magnetic declination as taken from quadrangle map HARSHAW, ARIZ., published in 1958 by U.S. Geological Survey, is 13° E.

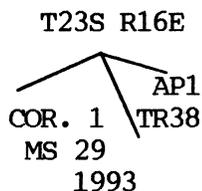
Dependent Resurvey of MS 29, Trench Mill Site,
Unsurveyed T. 23 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS

Restoring the survey executed by
T. F. White, in 1873

Beginning at the point for cor. 1, identical to AP1 of Tract 38, determined at record bearing and dist. from cor. 4, hereinafter described; there is no remaining evidence of the original cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled with a collar of stone, with brass cap mkd.



from which

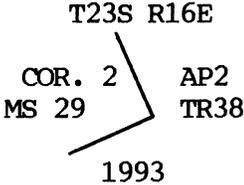
A Tree-of-Heaven, 10 ins. diam., bears S. 70 1/2° W.,
76 lks. dist., mkd. AP1 TR38 BT.

Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.

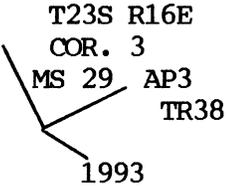
Point was occupied by a stainless steel post, 2 ins. diam, firmly set, projecting 7 ins. above ground, in a mound of stone, 2 ft. base, to top, with aluminum cap mkd. TRENCH MILL SITE MS 29 COR1 LS 20369 199. Remove the stainless steel post from the area.

From this cor. point, the cor. of secs. 33 and 34 only, T. 22 S., R. 16 E., bears N. 1°52' E., 17.05 chs. dist., monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd. T22S R16E S33 S34 T23S 1912.

Dependent Resurvey of MS 29, Trench Mill Site,
Unsurveyed T. 23 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	<p>Cor. is located 45 lks. W. of the center of a graded gravel road, 35 lks. wide, bears N. and SW.</p> <p>S. 24°15' E., on line 1-2, identical with line 1-2, Tract 38.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p> <p>7.07 Point for Cor. 2, identical to AP2 of Tract 38, determined at record bearing and dist. from cor. 1; there is no remaining evidence of the original cor. position.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center;">  <p>T23S R16E COR. 2 MS 29 AP2 TR38 1993</p> </div> <p>from which</p> <p style="padding-left: 40px;">An apple tree, 10 ins. diam., bears N. 36° W., 67 lks. dist., mkd. AP2 TR38 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Point was occupied by a stainless steel post, 2 ins. diam., firmly set, projecting 8 ins. above ground, with a mound of stone, 1 1/2 ft. base, to top, with aluminum cap mkd. TRENCH MILL SITE COR-2 LS 20369 1989. Remove the stainless steel post from the area.</p> <p>From this cor. point, a power pole, bears S. 16 1/2° E., 227.5 lks. dist.</p>
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Dependent Resurvey of MS 29, Trench Mill Site,
Unsurveyed T. 23 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
7.07	<p>From this same cor. point, the center of the remains of an old foundation, bears N. 40° W., 51 lks. dist.</p> <p>From this same cor. point, a power pole, bears N. 36° W., 67 lks. dist.</p> <p>Cor. is located 90 lks. E. of the center of a graded gravel road, 18 lks. wide, bears SSE. and NNW.</p> <p>Cor. 1 of Missouri Mill Site, MS 4104 A and B, was searched for and not found.</p> <hr/> <p>S. 65°45' W., on line 2-3, identical with line 2-3, Tract 38.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p> <p>Point for Cor. 3, identical to AP3 of Tract 38, determined at record bearing and dist. from cor. 2; there is no remaining evidence of the original cor. position.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center;">  <p>T23S R16E COR. 3 MS 29 AP3 TR38 1993</p> </div> <p>from which</p> <p>A juniper, 8 ins. diam., bears S. 10 1/4° W., 39 lks. dist., mkd. AP3 TR38 BT.</p> <p>A mesquite, 8 ins. diam., bears N. 19 1/2° W., 64 lks. dist., mkd. AP3 TR38 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Point was occupied by a stainless steel post, 2 ins. diam., firmly set, projecting 8 ins. above ground, in a mound of stone, 2 ft. base, to top, with aluminum cap mkd. TRENCH MILL SITE COR-3 LS 20369 1989. Remove the stainless steel post from the area.</p>

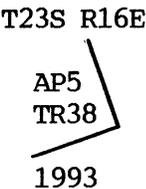
Dependent Resurvey of a Portion of MS 29, Trench Mill Site,
Unsurveyed T. 23 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
7.07	<p>From this cor. point, a rebar, unknown origin, bears N. 19°14' E., 24 lks. dist.</p> <p>Cor. is located 1.25 chs. N. of the center of an old cemetery.</p> <hr/> <p>N. 24°15' W., on line 3-4.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p> <p>Cor. 4, determined at record bearing and dist. from the remaining original bearing tree</p> <p style="padding-left: 40px;">A sycamore, 48 ins. diam., bears N. 33 1/2° W., 90 lks. dist., with a rotted out area in the blaze location.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a supporting mound of stone, 2 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T23S R16E</p>  </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Point was occupied by a stainless steel post, 2 ins. diam., firmly set, projecting 8 ins. above ground, in a mound of stone, 2 ft. base, to top, with aluminum cap mkd. TRENCH MILL SITE COR-4 LS 20369 1989, remove the stainless steel post from the area.</p> <hr/> <p>N. 65°45' E., on line 4-1.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p> <p>Cor. 1, hereinbefore described.</p>
7.07	

Survey of Tract 38,
Unsurveyed T. 23 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	<p>From AP1, identical with Cor. 1 of MS 29, Trench Mill Site, hereinbefore described.</p> <p>S. 24°15 E., on line 1-2, identical with line 1-2, MS 29, Trench Mill Site.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p>
7.07	<p>AP2, identical with cor 2 of MS 29, Trench Mill Site, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 65°45' W., on line 2-3, identical with line 2-3, MS 29, Trench Mill Site.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p>
7.07	<p>AP3, identical with cor 3 of MS 29, Trench Mill Site, hereinbefore described.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 45°01' E., on line 3-4.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p>
31.81	<p>Point for AP4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T23S R16E</p>  <p>1993</p> </div> <p>from which</p> <p style="margin-left: 40px;">An oak, 8 ins. diam., bears S. 12° W., 76.5 lks. dist., mkd. AP4 TR38 BT.</p> <p style="margin-left: 40px;">A juniper, 11 ins. diam., bears N. 47 3/4° W., 62.5 lks. dist., mkd. AP4 TR38 BT.</p>

Survey of Tract 38,
Unsurveyed T. 23 S., R. 16 E., Gila and Salt River Mer., Arizona

CHAINS	
7.84	<p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <hr/> <p>N. 38°50' E., on line 4-5.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p> <p>Point for AP5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center;"> <p>T23S R16E</p>  <p>1993</p> </div> <p>from which</p> <p style="padding-left: 40px;">A juniper, 8 ins. diam., bears S. 13 1/4° E., 87.5 lks. dist., mkd. AP5 TR38 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <hr/> <p>N. 42°52' W., on line 5-1.</p> <p>Over rolling land, through medium oak, sycamore, mesquite, juniper and dense grass undergrowth.</p> <p>AP1, identical with Cor. 1 of MS 29, Trench Mill Site, hereinbefore described.</p>
35.11	

T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

This survey is located approximately 10 miles east of Patagonia, Arizona. The elevation averages around 4800 feet above sea level.

The access to this area is by way of Arizona State Highway 82.

The soil is rocky loam. The vegetation consists of mesquite, oak sycamore, juniper, and native grasses.

There were no minerals noted in the survey area.

The following information is provided for informational purposes only.

The geographic position of the following points were determined by differential positioning using the Ashtech MXII Geodetic Positioning System. U. S. Geological Survey triangulation station "GREAT 1932" was used as control. Coordinates refer to the top of the monument.

Station	Latitude	Longitude
Cor. secs. 33 and 34 only	31°28'16.025" N.	110°42'25.808" W. NAD 27

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Kevin C. Berridge	Surveying Technician
Gordon R. Bubel	Surveying Technician
Jeffry A. Hill	Surveying Technician
Lawrence T. Kempe	Surveying Technician

CERTIFICATE OF SURVEY

I, Clyde J. King, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 14th day of June, 1993, I have dependently resurveyed Mineral Survey No. 29, Trench Mill Site, and surveyed Tract 38, in unsurveyed Township 23 South, Range 16 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, and in specific manner described in the foregoing field notes.

12/29/93
(Date)

Clyde J. King
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of Mineral Survey No. 29, Trench Mill Site, and survey of Tract 38 in unsurveyed Township 23 South, Range 16 East, Gila and Salt River Meridian, Arizona, executed by Clyde J. King, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

Jan 20 1994
(Date)

James P. Kelley
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in unsurveyed T. 23 S., R. 16 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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