

INDEX DIAGRAM

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M.S. 1685 B, Francis Creek Springs Millsite
Metes-and-Bounds Survey of Lot 6, Sec. 1

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T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary, a portion of the subdivisional lines, and M.S. 1685 B, Francis Creek Springs Millsite, and a metes-and-bounds survey of lot 6, section 1, Township 16 North, Range 10 West, Gila and Salt River Meridian, Arizona.

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

M.S. 1685 B, Francis Creek Springs Millsite was surveyed by J.J. Fisher in 1902. The east and north boundaries and subdivisional lines were surveyed by William E. Hiester and Charles E. Hunter in 1930.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 5, 1988, for Group No. 701, Arizona.

Preliminary to the resurvey, the lines of the original surveys were retraced and search was made for all corners and other calls of the record. Recovered corners were in good condition and positions for lost corners were determined at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of lines were determined by observations on a U.S.G.S. triangulation network and carried forward by sustained angulation and refer to the true meridian. Distances and angles were measured with Hewlett Packard 3820 and Zeiss Elta 3 total station instruments.

The geographic position of the 1/4 section corner of sections 1 and 2, as determined from a traverse tie made to U.S.G.S. triangulation station "FRANCIS 1944", located in the southeast quarter of section 11, of this township, is as follows:

NAD 27: Latitude: 34°45'25.95" N Longitude: 113°16'00.54" W

The magnetic declination, as shown on U.S.G.S. quadrangle map "PILOT KNOB, ARIZ.", published in 1980, is 14° E.

Dependent Resurvey of a Portion of the North Boundary
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

Reestablishment of the survey executed by
William E. Hiester and Charles E. Hunter, in 1930

Dependent Resurvey of a Portion of the North Boundary
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS															
	<p>Beginning at the cor. of Tps. 16 and 16 1/2 N, Rs. 9 and 10 W, monumented with an iron post, 3 ins. diam., firmly set, projecting 18 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T16 1/2N</td> <td></td> </tr> <tr> <td>R10W R9W</td> <td></td> </tr> <tr> <td>S36</td> <td>S31</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td>S 1</td> <td>S 6</td> </tr> <tr> <td colspan="2" style="text-align: center;">T16N</td> </tr> <tr> <td colspan="2" style="text-align: center;">1930</td> </tr> </table> </div> <p>A mound of stone, 3 ft. base, 6 ins. high, is S of cor.</p> <p>Rebuild the mound of stone, 3 ft. base, 1 1/2 ft. high, S. S 89°58' W, bet. secs. 1 and 36.</p> <p>Across Burro Mesa.</p>	T16 1/2N		R10W R9W		S36	S31			S 1	S 6	T16N		1930	
T16 1/2N															
R10W R9W															
S36	S31														
S 1	S 6														
T16N															
1930															
31.30	Rim of mesa, bears N and S; desc. over cliffs and rimrocks.														
39.665	True point for the 1/4 sec. cor. of secs. 1 and 36, at proportionate dist., falls on SW slope of decomposed rock and unsuitable to monument.														
40.25	The witness 1/4 sec. cor. of secs. 1 and 36, monumented with an iron post, 1 in. diam., firmly set flush in a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, with brass cap mkd.														
	<div style="text-align: center;"> <table border="1"> <tr> <td>W C</td> <td></td> </tr> <tr> <td>1/4</td> <td>$\frac{S36}{S1}$ →</td> </tr> <tr> <td colspan="2" style="text-align: center;">1930</td> </tr> </table> </div> <hr style="width: 20%; margin: 10px auto;"/> <p>S 89°52' W, beginning new measurement.</p> <p>Desc. over SW slope.</p>	W C		1/4	$\frac{S36}{S1}$ →	1930									
W C															
1/4	$\frac{S36}{S1}$ →														
1930															
20.00	Spencer Creek, course S; asc. over SE slope.														
34.96	The NE cor. of FCS #2 Millsite location, monumented with a rebar, 18 ins. long, 1/2 in. diam., firmly set, projecting 10 ins. above ground, with yellow cap attached. This cor. was established by Lloyd A. Wolf Jr., L.S. 9438, in 1980, and now functions as cor. 1, lot 6, sec. 1.														

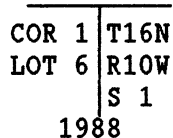
Dependent Resurvey of a Portion of the North Boundary
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
12 ins. in the ground, and in a mound of stone, 2 1/2 ft. base,
to top, with brass cap mkd.

T16 1/2N R10W
S36



Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case
beneath the stainless steel post.

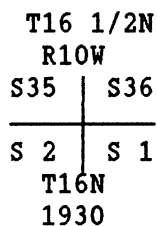
Insert and bury the rebar inside the stainless steel post.

Cor. is located on a spur, slopes S.

Desc. over SW slope.

39.965

The cor. of secs. 1, 2, 35, and 36, identical with cor. 2, lot 6,
sec. 1, and the NW cor. of FCS #2 Millsite location, monumented
with an iron post, 2 ins. diam., firmly set, projecting 6 ins.
above a mound of stone, 3 ft. base, 2 1/2 ft. high, with brass
cap mkd.



Dependent Resurvey of a Portion of the Subdivisional Lines,
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS

Reestablishment of the survey executed by
William E. Hiester and Charles E. Hunter, in 1930

From the 1/4 sec. cor. of secs. 1 and 2, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above a mound of stone, 2 1/2 ft. base, 9 ins. high, with brass cap mkd.

1/4
S 2 | S 1
1930

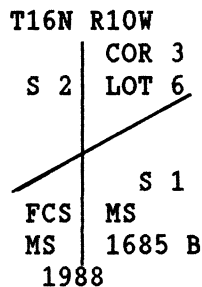
From this cor., U.S.G.S. triangulation station "FRANCIS", bears S 5°44' W, (forward bearing) 89.45 chs. dist., monumented with a brass tablet, 3 ins. diam., cemented in a lava outcropping, 18 x 12 x 3 ins. high, mkd. FRANCIS 1944.

N 0°05' W. bet. secs. 1 and 2.

Across Goodwin Mesa.

- 4.50 Rim of mesa, bears SE and NW; desc. over broken N slope.
- 25.33 Intersect line 3-4, M.S. 1685 B, Francis Creek Springs Millsite, at a point from which cor. 3, bears N 66°39.5' W, 1.53 chs. dist., herinafter discribed. The intersection point is not monumented.
- 29.18 Point for cor. 3, lot 6, sec. 1, at intersection of line 2-3, M.S. 1685 B, Francis Creek Springs Millsite, at a point from which cor. 2, bears N 23°22' E, 3.295 chs. dist., hereinafter described.

Set an aluminum finned post, 36 ins. long, 3/4 in. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with cap mkd.




Dependent Resurvey of a Portion of the Subdivisional Lines,
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS	
	<p>from which new bearing objects</p>
	<p>A rock cliff, 25 ft. high, bears S 23 1/2° W, 23.5 lks. dist., mkd. B X O.</p>
	<p>A rock cliff, 30 ft. high, bears N 22 1/2° W, 27.3 lks. dist., mkd. B X O.</p>
30.30	Francis Creek, 150 lks. wide, course SE; asc. over SW slope.
38.95	<p>The cor. of secs. 1, 2, 35, and 36, on the N bdy. of the Tp., identical with cor. 2, lot 6, sec. 1, and the NW cor. of FCS #2 Millsite location.</p>
	<hr/> <p>Dependent Resurvey, M.S. 1685 B, Francis Creek Springs Millsite, T 16 N, R 10 W, Gila and Salt River Mer., Arizona</p> <hr/>
	<p>Reestablishment of the survey executed by J.J. Fisher, in 1902</p> <hr/>
	<p>From cor. 1, M.S. 1685 B, Francis Creek Springs Millsite, monumented with a lava boulder, 1 1/2 x 1 1/2 ft., firmly set, projecting 10 ins. above ground, mkd. FCS 1-1685 B on E face and an X on the SE edge near the bottom, from which</p>
	<p>A lava boulder, 1 1/2 x 1 1/2 x 1 1/2 ft. above ground, bears N 35° E, 26.4 lks. dist., mkd. B+R on S face. (Record: N 39°20' E, 27.0 lks.)</p>
	<p>A lava boulder, 3 x 1 1/2 x 1 1/2 ft. above ground, bears S 52 1/2° W, 39.8 lks. dist., mkd. B+R on N face. (Record: S 50°40' W, 39.2 lks.)</p>
	<p>From this cor., U.S.L.M. 1685 B, bears N 39°11' W, 1.076 chs. dist., monumented with a lava boulder, 2 1/2 x 2 1/2 x 1 ft. above ground, mkd. USLM 1685B + on the top E face. (Record: N 39° W, 1.106 chs. dist.)</p>
	<p>from which</p>
	<p>A lava boulder, 4 x 3 x 1 1/2 ft. above ground, bears N 52 1/2° E, 37.7 lks. dist., mkd. B+R on SW face.</p>

Dependent Resurvey, M.S.1685 B, Francis Creek Springs Millsite,
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS																			
	<p>A lava boulder, 6 x 4 x 2 1/2 ft. above ground, bears S 10° E, 22.9 lks. dist., mkd. B+R on N face. (Record: S 10°07' E)</p> <p>A mound of stone, 2 1/2 ft. base, 2 ft. high, is W.</p> <p>N 66°39.5' W, on line 1-2, M.S. 1685 B, Francis Creek Springs Millsite.</p> <p>2.80 Cor. 5, lot 6, sec. 1, at intersection with the E bdy. of FCS #2 Millsite location, monumented with a rebar, 24 ins. long, 1/2 in. diam., firmly set, projecting 8 ins. above ground. This cor. was established by Lloyd A. Wolf, Jr., L.S. 9438, in 1980.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, and in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T16N R10W</p> <table border="0"> <tr> <td>COR 5</td> <td> </td> <td></td> </tr> <tr> <td>LOT 6</td> <td> </td> <td></td> </tr> <tr> <td></td> <td> </td> <td>S 1</td> </tr> <tr> <td>FCSMS</td> <td> </td> <td></td> </tr> <tr> <td>MS 1685 B</td> <td> </td> <td></td> </tr> <tr> <td>1988</td> <td> </td> <td></td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Insert and bury the rebar inside the stainless steel post.</p>	COR 5			LOT 6					S 1	FCSMS			MS 1685 B			1988		
COR 5																			
LOT 6																			
		S 1																	
FCSMS																			
MS 1685 B																			
1988																			
6.83	<p>Cor. 2, M.S. 1685 B, Francis Creek Springs Millsite, now identical with cor. 4, lot 6, sec. 1, monumented with a rebar, 18 ins. long, 1/2 in. diam., firmly set, projecting 6 ins. above a mound of stone, 1 1/2 ft. base, 1 ft. high, with yellow cap attached, illegible markings. This cor. was reestablished by Lloyd A. Wolf, L.S. 9438, in 1980 and is accepted as a careful and faithful reestablishment of the position of the original corner.</p>																		

Dependent Resurvey, M.S.1685 B, Francis Creek Springs Millsite,
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS	
	<p>At the cor. point</p>
	<p>Set an aluminum finned post, 24 ins. long, 3/4 in. diam., 6 ins. in drill hole, with cement, in bedrock, and in a mound of stone, 2 1/2 ft. base, to top, with cap mkd.</p>
	<div style="text-align: center;"> <p>T16N R10W COR 4 LOT 6 S 1 COR 2 FCSMS MS 1685 B 1988</p>  </div>
	<p>from which new bearing objects</p>
	<p>A lava boulder, 10 x 10 x 15 ft. high, bears S 9 3/4° E, 29.6 lks. dist., mkd. B X O on N face.</p>
	<p>A lava boulder, 5 x 5 x 4 ft. high, bears N 62° W, 57.6 lks. dist., mkd. B X O on E face.</p>
	<p>Bury rebar in the mound of stone.</p>
	<hr style="width: 20%; margin: auto;"/> <p>S 23°22' W, on line 2-3, M.S. 1685 B, Francis Creek Springs Millsite.</p>
<p>2.60</p>	<p>Francis Creek, 150 lks. wide, course SE.</p>
<p>3.295</p>	<p>Cor. 3, lot 6, sec. 1, on the line bet. secs. 1 and 2, hereinbefore described.</p>
	<p>From this point the cor. of secs. 1, 2, 35, and 36, on the N bdy. of the Tp., bears N 0°05' W, 9.77 chs. dist.</p>
<p>6.825</p>	<p>Cor. 3, M.S. 1685 B, Francis Creek Springs Millsite, monumented with a lava boulder, 6 x 6 x 2 ft. above ground, mkd. FCS 3-1685 B on top center and an X on top W edge. A mound of stone, 2 ft. base, 1 1/2 ft. high is S of cor.</p>
	<hr style="width: 20%; margin: auto;"/> <p>S 66°39.5' E, on line 3-4, M.S. 1685 B, Francis Creek Springs Millsite.</p>
<p>1.53</p>	<p>Intersect the line bet. secs. 1 and 2, not monumented.</p>
	<p>From this point, the 1/4 sec. cor. of secs. 1 and 2, bears S 0°05' E, 25.33 chs. dist.</p>

Dependent Resurvey, M.S.1685 B, Francis Creek Springs Millsite,
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

CHAINS	
6.83	<p>True point for cor. 4, M.S. 1685 B, Francis Creek Springs Millsite, at proportionate dist., falls where it is impractical to establish a permanent monument; there is no remaining evidence of the original cor.</p> <hr/> <p>N 23°22' E, on line 4-1, M.S. 1685 B, Francis Creek Springs Millsite.</p>
6.825	<p>Cor. 1, M.S. 1685 B, Francis Creek Springs Millsite.</p> <hr/> <p style="text-align: center;">A Metes-and-Bounds Survey of lot 6, Section 1, T 16 N, R 10 W, Gila and Salt River Mer., Arizona</p> <hr/> <p>From cor. 1, lot 6, sec. 1 on the N bdy. of the Tp., identical with the NE cor. of FCS #2 Millsite location, hereinbefore described.</p> <p>S 89°52' W, on line 1-2, lot 6, sec. 1, identical with a portion of the line bet. secs. 1 and 36, and identical with the N bdy. of FCS #2 Millsite location.</p>
5.005	<p>The cor. of secs. 1, 2, 35, and 36, identical with cor. 2, lot 6, sec. 1, and the NW cor. of FCS #2 Millsite location.</p> <hr/> <p>S 0°05' E, on line 2-3, lot 6, sec. 1, identical with a portion of the line bet. secs. 1 and 2, and identical with a portion of the W bdy. of FCS #2 Millsite location.</p>
9.77	<p>Cor. 3, lot 6, sec. 1, on line 2-3, M.S. 1685 B, Francis Creek Springs Millsite, hereinbefore described.</p> <hr/> <p>N 23°22' E, on line 3-4, lot 6, sec. 1, identical with a portion of line 3-2, M.S 1685 B, Francis Creek Springs Millsite.</p>
3.295	<p>Cor. 4, lot 6, sec. 1, identical with cor. 2, M.S. 1685 B, Francis Creek Springs Millsite.</p> <hr/> <p>S 66°39.5' E, on line 4-5, lot 6, sec. 1, identical with a portion of line 2-1, M.S. 1685 B, Francis Creek Springs Millsite.</p>

A Metes-and-Bounds Survey of lot 6, Section 1,
T 16 N, R 10 W, Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>4.03</p> <p>8.355</p>	<p>Cor. 5, lot 6, sec. 1, at intersection with the E bdy. of FCS #2 Millsite location, hereinbefore described.</p> <hr/> <p>N 0°05' W, on line 5-1, lot 6, sec. 1, identical with a portion of the E. bdy. of FCS #2 Millsite location</p> <p>Cor. 1, lot 6, sec. 1, on the N bdy. of sec. 1.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The Francis Creek Springs Millsite is located approximately 14 miles NW of Bagdad and 20 miles E of Wikieup, AZ. Francis Creek, passing through the claim, is joined by Spencer Creek in the NW part of section 1 to form a sizeable seasonal drainage, running southeasterly.</p> <p>Goodwin Mesa consists of rolling land with little vegetation. Steep slides of volcanic rock comprise the NE slopes from the bottom of Francis Creek to the top of the Mesa, with elevations ranging from 3300 to 4200 feet above sea level.</p> <hr/>
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Donald L. Brewer	Surveying Technician
Robert J. Lyle	Surveying Technician
Stephen M. Koval	Student Trainee, (Land Surveyor)
Bruce J. Olson	Survey Aid
David G. Jaramillo	Survey Aid
Robert L. Spiesman II	Survey Aid
Timothy J. Moore	Cadastral Surveyor
Gary D. Knoff	Cadastral Surveyor

CERTIFICATE OF SURVEY

I, Duane R. Garoutte, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 5th day of January, 1988, I have dependently resurveyed a portion of the north boundary, a portion of the subdivisional lines, and MS 1685 B, Francis Creek Springs Millsite, and surveyed a metes-and-bounds survey of lot 6, section 1, Township 16 North, Range 10 West, 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.

AUG 08 1988

(Date)

Duane R. Garoutte
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the north boundary, a portion of the subdivisional lines, and MS 1685 B, Francis Creek Springs Millsite, and a survey of a metes-and-bounds survey of lot 6, section 1, Township 16 North, Range 10 West, Gila and Salt River Meridian, Arizona, executed by Duane R. Garoutte, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

AUG 08 1988

(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 T 16 N, R 10 W, Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~