

ORIGINAL

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

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A PORTION OF  
THE ARIZONA AND UTAH STATE BOUNDARY (NORTH BOUNDARY)  
FROM THE 70 MILE POST TO THE 76.453 MILE POST  
AND  
THE SURVEY OF THE EAST AND WEST BOUNDARIES  
AND  
THE SUBDIVISIONAL LINES  
FRACTIONAL TOWNSHIP 42 NORTH, RANGE 4 WEST,  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Geoffrey A. Graham, Cadastral Surveyor**

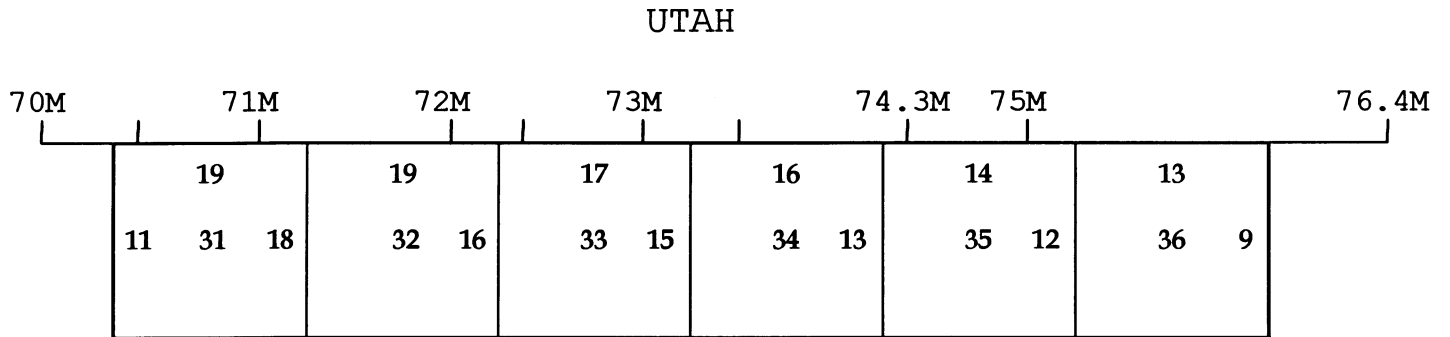
Under Special Instructions dated June 24, 2004, approved June 24, 2004, which provided for the surveys included under Group No. 938, and assignment instructions dated June 24, 2004.

**Survey commenced July 6, 2004**

**Survey completed August 17, 2004**

# INDEX DIAGRAM

FRACTIONAL TOWNSHIP 42 NORTH RANGE 4 WEST  
 GILA AND SALT RIVER MERIDIAN, ARIZONA



ARIZONA

Dep. Res. of the Arizona and Utah State Line  
 from the 70 Mile Post to the 76.453 Mile Post.....Pages 4-9

**T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of a portion of the Arizona and Utah State Boundary (north boundary), from the 70 mile post to the 76.453 mile post, and the survey of the east and west boundaries, and the subdivisional lines, Fractional Township 42 North, Range 4 West, Gila and Salt River Meridian, Arizona.

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

In 1901 Howard B. Carpenter surveyed the boundary between the state of Utah and the then territory of Arizona. In 1909, S. P. Stewart and F. C. French established closing corners on the state boundary in the course of surveying Township 44 South, Ranges 7 and 8 West, Salt Lake Base and Meridian. In 2003, Adrien J. Rodriguez surveyed the south boundary under Group Number 911, Arizona.

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 June 24, 2004, for Group Number 938, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 and 5800 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 Global Positioning System (GPS) static post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) FREDONIA CORS ARP, FLAGSTAFF 1 CORS ARP, ECHO CANYON S. P. CORS ARP, KINGMAN CORS ARP, AND A M SMITH WTF CORS ARP. The NAD 83 (CORS96) (EPOCH:2002), geographic position of the southeast corner of the Tp., is as follows:

Latitude: 36°59'25.28" N.                      Longitude: 112°40'00.75" W.

The mean magnetic declination is 12 1/2° E.

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**Dependent Resurvey of a Portion of the Arizona and Utah State Boundary  
(North Boundary), From the 70 Mile Post to the 76.453 Mile Post,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Restoring the survey executed by Howard B. Carpenter, in 1901</p> <hr/> <p>Beginning at mile post 70 on the bdy. bet. the states of Arizona and Utah, monumented with an iron post, 2 1/4 ins. diam., firmly set, projecting 3 ft. above the ground with brass cap missing.</p> <p>from which the original bearing trees</p> <p>A 12 ins. diam. trunk of a juniper, 18 ins. diam., bears N. 34° E., 1.24 chs. dist., with illegible scribe marks visible on a partially healed blaze.</p> <p>A 6 ins. diam. trunk of a juniper bush, 12 ins. wide, 36 ins. long, bears S. 34 3/4° W., 83.5 lks. dist., with scribe marks ARIZ 70 BT visible on an unhealed blaze. (Record: S. 36° W., 81 lks. dist.)</p> <p>At the corner 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> <p align="center">           UTAH            M 70  <hr/>           ARIZONA              2004         </p> <p>Deposit a magnet in a white plastic case at the base, and the 5 ft. long iron post alongside of the stainless steel post.</p> <p>Cor. is located in a fence extending E. and W.</p> <p>N. 89°54' E., on the 71st mile bet. the states of Arizona and Utah.</p> <p>Generally ascending over rolling sand hills, through piñon, oak and juniper, on top of the Moccasin Mountains.</p>
14.71	Point for the closing cor. of T. 42 N., Rs. 4 and 5 W., the W. bdy. of this survey, hereinafter described.
23.57	The closing cor. of secs. 7 and 8, T. 44 S., R. 8 W., Salt Lake Base and Meridian, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. U T44S R8W S7 S8 CC A 1909.
	Cor. is located in a fence extending E. and W.
53.89	Point for the 1/4 sec. cor. of sec. 31 only, T. 42 N., R. 4 W., hereinafter described.

**Dependent Resurvey of a Portion of the Arizona and Utah State Boundary  
(North Boundary), From the 70 Mile Post to the 76.453 Mile Post,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
79.78	<p>Mile post 71 on the bdy. bet. Arizona and Utah, monumented with an iron post, 2 1/4 ins. diam., firmly set, projecting 28 ins. above the ground, with brass cap with raised letters UTAH on N., ARIZ on S., and stamped 71 M in center.</p> <p>from which the original bearing trees</p> <p>A 9 ins. diam. trunk of a juniper, 22 ins. diam., bears N. 56 1/4° E., 78 lks. dist., with illegible scribe marks visible on a partially healed blaze.</p> <p>A 12 ins. diam. trunk of a lightning struck juniper, 30 ins. diam., bears S. 48 3/4° W., 1.19 chs. dist., with a shattered illegible blaze.</p> <p>A juniper, 28 ins. diam., bears N. 27° W., 58 lks. dist., with a healed blaze.</p> <p>Add the marks 2004 to the brass cap.</p> <p>Cor. is located in a fence extending E. and W.</p> <hr/>
	<p>East, on the 72nd mile bet. the states of Arizona and Utah.</p> <p>Generally ascending over rolling sand hills, through piñon, oak and juniper, on top of the Moccasin Mountains.</p>
14.11	<p>Point for the closing cor. of secs. 31 and 32, T. 42 N., R. 4 W., hereinafter described.</p>
23.80	<p>Record position for the closing cor. of secs. 8 and 9, T. 44 S., R. 8 W., Salt Lake Base and Meridian. Find iron post, 2 ins. diam., 36 ins. long, without brass cap, laying loose on the ground, near a fence extending E. and W.</p>
54.11	<p>Point for the 1/4 sec. cor. of sec. 32 only, T. 42 N., R. 4 W., hereinafter described.</p>
80.23	<p>Mile post 72 on the bdy. bet. Arizona and Utah, monumented with an iron post, 2 1/4 ins. diam., firmly set, projecting 34 ins. above the ground, with brass cap with raised letters UTAH on N., ARIZ on S., and stamped 72 M in center.</p> <p>Add the marks 2004 to the brass cap.</p> <p>Cor. is located in a fence extending E. and W.</p> <hr/>
	<p>N. 89°57' E., on the 73rd mile bet. the states of Arizona and Utah.</p> <p>Generally ascending over rolling sand hills, through piñon, oak and juniper, on top of the Moccasin Mountains.</p>

**Dependent Resurvey of a Portion of the Arizona and Utah State Boundary  
(North Boundary), From the 70 Mile Post to the 76.453 Mile Post,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
13.88	Point for the closing cor. of secs. 32 and 33, T. 42 N., R. 4 W., hereinafter described.
23.46	<p>The closing cor. of secs. 9 and 10, T. 44 S., R. 8 W., Salt Lake Base and Meridian, monumented with an iron post, 2 ins. diam., loosely set, projecting 23 ins. above the ground, with brass cap mkd. U T44S R8W S9 S10 A CC 1909.</p> <p>Cor. is located in a fence extending E. and W.</p>
53.88	Point for the 1/4 sec. cor. of sec. 33 only, T. 42 N., R. 4 W., hereinafter described.
79.92	<p>Mile post 73 on the bdy. bet. Arizona and Utah, monumented with a sandstone, firmly set, projecting 5 ins. above the ground, mkd. UTAH on N. face and ARIZ on S. face.</p> <p>from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A juniper stump, 24 ins. diam., bears S. 70 1/2° W., 35 lks. dist., with no marks remaining.</p> <p style="padding-left: 40px;">A twin juniper stump, 6 ins. diam. each, projecting 9 ins. above the ground, bears N. 16 1/4° W., 1.24 chs. dist., with no marks remaining.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">UTAH M 73 — ARIZONA</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base, and the 33 X 17 X 5 ins. stone alongside of the stainless steel post.</p> <p>Cor. is located 2 lks. N. of a fence extending E. and W.</p> <hr/> <p>N. 89°57' E., on the 74th mile bet. the states of Arizona and Utah.</p> <p>Begin steep ascent of the Vermillion Cliffs on the W. aspect of the Moquith Mountains.</p>
13.96	Point for the closing cor. of secs. 33 and 34, T. 42 N., R. 4 W., hereinafter described.

**Dependent Resurvey of a Portion of the Arizona and Utah State Boundary  
(North Boundary), From the 70 Mile Post to the 76.453 Mile Post,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
23.55	<p>The closing cor. of secs. 10 and 11, T. 44 S., R. 8 W., Salt Lake Base and Meridian, monumented with an iron post, 2 ins. diam., firmly set, projecting 15 ins. above the ground, in a small collar of stone, with brass cap mkd. U T44S R8W S10 S11 A CC 1909.</p> <p>Cor. is located in a fence extending E. and W.</p>
53.96	<p>True point for the 1/4 sec. cor. of sec. 34 only, T. 42 N., R. 4 W., hereinafter described.</p>
93.96	<p>Point for the closing cor. of secs. 34 and 35, T. 42 N., R. 4 W., hereinafter described.</p>
103.58	<p>From this point, the closing cor. for secs. 11 and 12, T. 44 S., R. 8 W., Salt Lake Base and Meridian, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. U T44S R8W S11 S12 A CC 1909, bears South, 1.8 lks. dist.</p>
104.98	<p>Mile post 74.314 on the bdy. bet. the states of Arizona and Utah, monumented with a sandstone, firmly set, 10 ins. below the ground, mkd. UTAH on the N. face, ARIZ on the S. face, and 7 M legible on the W. face.</p> <p>from which the original bearing tree</p> <p style="padding-left: 40px;">A ponderosa pine, 34 ins. diam., bears S. 35° E., 78 lks. dist., with a healed blaze. (Record: S. 78° E., 35 lks.) The reverse blaze, mkd. RIZ 74,31M BT, was removed to the office for display.</p> <p>At the corner point</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;">UTAH M 74.314 — ARIZONA  2004</p> <p>Deposit a magnet in a white plastic case at the base, and the 30 X 16 X 5 ins. sandstone alongside of the stainless steel post. The stone broke with handling.</p> <hr/> <p>N. 89°45' E., on the 75th mile bet. the states of Arizona and Utah.</p> <p>Over the rolling hills on top of the Moquith Mountains, through piñon, oak, juniper and sparse ponderosa.</p>

**Dependent Resurvey of a Portion of the Arizona and Utah State Boundary  
(North Boundary), From the 70 Mile Post to the 76.453 Mile Post,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
28.98	Point for the 1/4 sec. cor. of sec. 35 only, T. 42 N., R. 4 W., hereinafter described.
54.86	Mile post 75 on the bdy. bet. the states of Arizona and Utah, monumented with a sandstone, firmly set, projecting 13 ins. above the ground, no marks visible.
	from which the remains of the original bearing trees
	A piñon pine, 14 ins. diam., bears N. 59 3/4° E., 72 lks. dist., with scribe marks UTAH M BT visible on weathered blaze. (Record: N. 36 1/2° E.)
	A piñon pine, 10 ins. diam., bears S. 68° E., 69 lks. dist., with a healed blaze. (Record: S. 19 1/2° E., 74 lks. dist.)
	A ponderosa pine, 38 ins. diam., bears N. 32 1/2° W., 2.54 chs. dist., with no marks visible on mostly healed blaze. (Record: 2.46 chs. dist.)
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p align="center">UTAH M 75 — ARIZONA  2004</p>
	Deposit a magnet in a white plastic case at the base, and the 40 X 18 X 6 ins. stone alongside of the stainless steel post. The stone broke in handling.
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	N. 89°48' E., on the 76th mile bet. the states of Arizona and Utah.
	Over the rolling hills on top of the Moquith Mountains, through piñon, oak, juniper and sparse ponderosa.
14.12	Point for the closing cor. of secs. 35 and 36, T. 42 N., R. 4 W., hereinafter described.
24.10	From this point, the NE bearing tree for the closing cor. of T. 44 S., Rs. 7 and 8 W., Salt Lake Base and Meridian, a piñon pine, 15 ins. diam., with no marks visible on partially healed blaze, bears North, 27 lks. dist.
54.12	True point for the 1/4 sec. cor. of sec. 36 only, T. 42 N., R. 4 W., hereinafter described.



**Dependent Resurvey of a Portion of the Arizona and Utah State Boundary  
(North Boundary), From the 70 Mile Post to the 76.453 Mile Post,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
94.12	True point for the closing cor. of T. 42 N., Rs. 3 and 4 W., the E. bdy. of this survey, hereinafter described.
115.80	<p>Mile post 76.453 on the bdy. bet. the states of Arizona and Utah, monumented with a sandstone, firmly set, projecting 6 ins. above the ground, mkd. UTAH on N. face, 37 NL on E. face, ARIZ on S. face, and 76.4 on W. face.</p> <p>from which the remains of the original bearing trees</p> <p>A piñon pine, 16 ins. diam., bears N. 20 1/4° E., 13 lks. dist., with scribe marks UTAH 76.4 M BT visible on partially healed blaze.</p> <p>The SW bearing tree, a piñon pine, 10 ins. diam., found dead and down, with illegible scribe marks visible on weathered blaze. No root hole found.</p> <p>An accessory mound of stone, 1 1/2 ft. base, 1 ft. high, is located E. of the cor.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p align="center">           UTAH            M 76.453            _____            ARIZONA              2004         </p> <p>Deposit a magnet in a white plastic case at the base, and the 29 X 12 X 12 ins. stone alongside of the stainless steel post.</p> <hr/> <p align="center">           Survey of the East Boundary,            T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona         </p> <hr/> <p>From the cor. of Tps. 41 and 42 N., Rs. 3 and 4 W., on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 20 ins. above the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T42N R4W R3W S36 S31 S1 S6 T41N 2003.</p> <p>North, bet. secs. 31 and 36, on the E. bdy. of the Tp.</p> <p>Along the Vermillion Cliffs on the E. aspect of the Moquith Mountains.</p>
40.00	Point for the 1/4 sec. cor. of secs. 31 and 36.

**Survey of the East Boundary,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T 42 N  
R 4 W R 3 W  
1/4  
S 36 | S 31

2004

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

56.34

Intersect the bdy. bet. the states of Arizona and Utah. The true point for the closing cor. of secs. 31 and 36, T. 42 N., Rs. 3 and 4 W., falls on sheer cliff face, 700 ft. high, where it is impractical to establish a permanent monument.

From this true point, the point selected for a witness cor. to the closing cor. of secs. 31 and 36, T. 42 N., Rs. 3 and 4 W., bears N. 63°38' W., 2.50 chs. dist.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in sandstone bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

WC  
UTAH  
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C | C  
S 36 | S 31  
R 4 W | R 3 W →  
T 42 N

2004

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

The witness cor. is located 45 lks. W. of sheer cliff drop-off, and 30 lks. N. of sandstone outcrop rising 50 ft. high.

From the true point, mile post 76.453 on the Arizona and Utah state bdy., hereinbefore described, bears N. 89°48' E., 21.68 chs. dist.

Land, Mountainous.

Soil, sand and eroded sandstone.

Timber, piñon, oak and juniper, with sparse ponderosa.

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**Survey of the West Boundary,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>From the cor. of Tps. 41 and 42 N., Rs. 4 and 5 W., on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. T42N R5W R4W S36 S31 S1 S6 T41N 2003.</p> <p>North, bet. secs. 31 and 36, on the W. bdy. of the Tp.</p> <p>Over rolling sand hills on top of the Moccasin Mountains.</p>
14.20	Trail road, 10 ft. wide, bears S. 76° E. and N. 76° W.
40.00	<p>Point for the 1/4 sec. cor. of secs. 31 and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 42 N R 5 W R 4 W 1/4 S 36   S 31</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
55.68	<p>Intersect the bdy. bet. the states of Arizona and Utah. Point for the closing cor. of secs. 31 and 36, T. 42 N., Rs. 4 and 5 W.</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;">UTAH ----- C   C S 36   S 31 R 5 W R 4 W T 42 N</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located in a fence extending E. and W.</p> <p>From this point, mile post 70 of the Arizona and Utah state bdy., hereinbefore described, bears S. 89°54' W., 14.71 chs. dist.</p> <p>Land, Rolling hills. Soil, sand, eroded sandstone.</p>

**Survey of the West Boundary,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Timber, piñon, oak and juniper.</p> <hr/> <p style="text-align: center;">Survey of the Subdivisional Lines, T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the cor. of secs. 1, 2, 35 and 36, Tps. 41 and 42 N., R. 4 W., on the S. bdy. of the Tp., monumented with a brass tablet, firmly set flush with the surface of a solid rock face, 100 X 100 X 50 ft. high, with top mkd. T42N R4W S35 S36 S2 S1 T41N 2003.</p> <p>N. 0°01' W., bet. secs. 35 and 36.</p> <p>Over the rolling sand hills on top of the Moquith Mountains, through piñon, juniper, oak and sparse ponderosa.</p>
40.00	<p>Point for the 1/4 sec. 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> <div style="text-align: center; margin: 10px 0;"> <p>T 42 N R 4 W 1/4 S 35   S 36</p> <p>2004</p> </div> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
56.09	<p>Intersect the bdy. bet. the states of Arizona and Utah. Point for the closing 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> <div style="text-align: center; margin: 10px 0;"> <p>UTAH</p> <hr style="width: 10%; margin: 0 auto;"/> <p>C   C S 35   S 36 T 42 N R 4 W</p> <p>2004</p> </div> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>From this closing cor., mile post 75 on the Arizona and Utah state bdy., hereinbefore described, bears S. 89°48' W., 14.12 chs. dist.</p> <p>Land, Mountainous.</p>

**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS

Soil, sand, eroded sandstone.  
Timber, piñon, oak and juniper, with sparse ponderosa.

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The true point for the 1/4 sec. cor. of sec. 36 only, T. 42 N., R. 4 W., at midpoint on the N. bdy. of sec. 36, on the Arizona and Utah state bdy. Point falls on sheer cliff face, where it is impractical to establish a permanent monument.

From the true point, the point selected for the witness cor. for the 1/4 sec. cor. of sec. 36 only, bears S. 43°50' W., 2.80 chs. dist.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

UTAH  
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1/4 S 36     ↗  
T 42 N R 4 W  
WC

2004

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

From the true point, mile post 75 on the Arizona and Utah state bdy., hereinbefore described, bears S. 89°48' W., 54.12 chs. dist.

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From the cor. of secs. 2, 3, 34 and 35, Tps. 41 and 42 N., R. 4 W., on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. T42N R4W S34 S35 S3 S2 T41N 2003.

N. 0°01' W., bet. secs. 34 and 35.

Along the steep slopes of the Vermillion Cliffs on the W. aspect of the Moquith Mountains.

40.00

Point for the 1/4 sec. cor. of secs. 34 and 35.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. in the ground to bed rock, in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd.

**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	<p style="text-align: center;">T 42 N R 4 W 1/4 S 34   S 35</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>																					
55.82	<p>Intersect the bdy. bet. the states of Arizona and Utah. Point for the closing cor. of secs. 34 and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. in sandstone bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;"> <table style="margin: auto; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">UTAH</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">C</td><td style="text-align: center;"> </td><td style="text-align: center;">C</td></tr> <tr><td style="text-align: center;">S 34</td><td style="text-align: center;"> </td><td style="text-align: center;">S 35</td></tr> <tr><td colspan="2" style="text-align: center;">T 42 N</td><td style="text-align: center;">R 4 W</td></tr> </table> </p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 1 lk. E. of edge of sheer face, bears S. 28° W., 8 lks. from 50 ft. drop-off.</p> <p>From this closing cor., mile post 74.314 on the Arizona and Utah state bdy., hereinbefore described, bears N. 89°57' E., 11.02 chs. dist.</p> <p>Land, Mountainous. Soil, sand, eroded sandstone. Timber, piñon, oak and juniper, with sparse ponderosa.</p> <hr style="width: 50%; margin: 10px auto;"/> <p>Point for the 1/4 sec. cor. of sec. 35 only, T. 42 N., R. 4 W., at midpoint on the N. bdy. of sec. 35, on the Arizona and Utah state bdy.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground to bedrock, in a mound of sandstone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;"> <table style="margin: auto; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">UTAH</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">1/4</td><td style="text-align: center;">S 35</td></tr> <tr><td colspan="2" style="text-align: center;">T 42 N R 4 W</td></tr> </table> </p> <p style="text-align: center;">2004</p>	UTAH		-----		C		C	S 34		S 35	T 42 N		R 4 W	UTAH		-----		1/4	S 35	T 42 N R 4 W	
UTAH																						
-----																						
C		C																				
S 34		S 35																				
T 42 N		R 4 W																				
UTAH																						
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1/4	S 35																					
T 42 N R 4 W																						

**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>From this point, mile post 75 on the Arizona and Utah state bdy., hereinbefore described, bears N. 89°45' E., 25.88 chs. dist.</p> <p>From this same point, National Geodetic Survey triangulation station designated MOQUITCH, bears S. 41°19' W., 16.25 chs. dist. The station is in poor condition, monumented with a iron post, 2 ins. diam. loosely set, projecting 16 ins. above the ground, with brass cap mkd. MOQUITCH 1938. Reference No. 1 is in good condition, set flush with the ground, with brass cap mkd. MOQUITCH NO 1 1938. Reference No. 2 not recovered.</p> <hr/> <p>From the cor. of secs. 3, 4, 33 and 34, Tps. 41 and 42 N., R. 4 W. on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd. T42N R4W S33 S34 S4 S3 T41N 2003.</p> <p>N. 0°02' W., bet. secs. 33 and 34.</p> <p>Over the broken sand hills at the base of the Moquith Mountains.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 33 and 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> <div style="text-align: center;"> <p>T 42 N R 4 W 1/4 S 33   S 34 2004</p> </div>
55.79	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Intersect the bdy. bet. the states of Arizona and Utah. Point for the closing cor. of secs. 33 and 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> <div style="text-align: center;"> <p>UTAH — — C   C S 33   S 34 T 42 N R 4 W 2004</p> </div>

**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS

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

Cor. is located 6 lks. S. of a fence, extending E. and W.

From this closing cor., mile post 73 on the Arizona and Utah state bdy., hereinbefore described, bears S. 89°57' W., 13.96 chs. dist.

Land, Mountainous.  
Soil, sand, eroded sandstone.  
Timber, piñon, oak and juniper.

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The true point for the 1/4 sec. cor. of sec. 34 only, T. 42 N., R. 4 W., at midpoint on the N. bdy. of sec. 34, on the Arizona and Utah state bdy. Point falls in wash 20 ft. wide, 15 ft. deep, draining S. 5° W. from N. 50° E., where it is impractical to establish a permanent monument.

From the true point, the point selected for the witness cor. for the 1/4 sec. cor. of sec. 36 only, bears S. 52°25' E., 93 lks. dist.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, in a supporting mound of stone, 4 ft. base, to top, wedged bet. two boulders, the N. boulder is an 8 X 3 X 2 ft. sandstone, the S. boulder is a 6 X 4 X 1 1/2 ft. sandstone, with brass cap mkd.

WC  
UTAH  
↙  
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1/4 S 34  
T 42 N R 4 W

2004

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

From the true point, mile post 74.314 on the Arizona and Utah state bdy., hereinbefore described, bears N. 89°57' E., 51.02 chs. dist.

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From the cor. of secs. 4, 5, 32 and 33, Tps. 41 and 42 N., R. 4 W., on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. T42N R4W S32 S33 S5 S4 T41N 2003.

N. 0°03' W., bet. secs. 32 and 33.



**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Over the rolling sand hills on top of the Moccasin Mountains.</p>
25.00	Trail road, 15 ft. wide, bears S. 82° E. and N. 82° W.
40.00	<p>Point for the 1/4 sec. cor. of secs. 32 and 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> <p style="text-align: center;">T 42 N R 4 W 1/4 S 32   S 33</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
55.75	<p>Intersect the bdy. bet. the states of Arizona and Utah. Point for the closing cor. of secs. 32 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">UTAH ----- C   C S 32   S 33 T 42 N R 4 W</p> <p style="text-align: center;">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 1 lk. N. of a fence extending E. and W.</p> <p>From this closing cor., mile post 72 on the Arizona and Utah state bdy., hereinbefore described, bears S. 89°57' W., 13.88 chs. dist.</p> <p>Land, rolling hills Soil, sand, eroded sandstone. Timber, piñon, oak and juniper.</p> <hr/> <p>Point for the 1/4 sec. cor. of sec. 33 only, T. 42 N., R. 4 W., at midpoint on the N. bdy. of sec. 33, on the Arizona and Utah state bdy.</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 Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>UTAH</p> <hr/> <p>1/4 S 33 T 42 N R 4 W</p> <p>2004</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 8 lks. N. of a fence extending E. and W.</p> <p>From this point, mile post 73 on the Arizona and Utah state bdy., hereinbefore described, bears N. 89°57' E., 26.04 chs. dist.</p> <hr/> <p>From the cor. of secs. 5, 6, 31 and 32, Tps. 41 and 42 N., R. 4 W., on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. T42N R4W S31 S32 S6 S5 T41N 2003.</p> <p>N. 0°03' W., bet. secs. 31 and 32.</p> <p>Over the rolling sand hills on top of the Moccasin Mountains.</p>
30.90	Trail road, 15 ft. wide, bears N. 80° E. and S. 80° W.
40.00	Point for the 1/4 sec. cor. of secs. 31 and 32.
	<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 align="center">T 42 N R 4 W 1/4 S 31   S 32</p> <p align="center">2004</p>
55.76	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Intersect the bdy. bet. the states of Arizona and Utah. Point for the closing cor. of secs. 31 and 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p>

**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS

UTAH	
C	C
S 31	S 32
T 42 N	R 4 W
2004	

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

Cor. is located 2 lks. N. of a fence extending E. and W.

From this closing cor., mile post 71 on the Arizona and Utah state bdy., hereinbefore described, bears West, 14.11 chs. dist.

Land, rolling hills.  
Soil, sand, eroded sandstone.  
Timber, piñon, oak and juniper.

Point for the 1/4 sec. cor. of sec. 32 only, T. 42 N., R. 4 W., at midpoint on the N. bdy. of sec. 32, on the Arizona and Utah state bdy.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground to bedrock, with brass cap mkd.

UTAH	
1/4	S 32
T 42 N	R 4 W
2004	

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

Cor. is located 4 lks. N. of a fence extending E. and W.

From this point, mile post 72 on the Arizona and Utah state bdy., hereinbefore described, bears East, 26.12 chs. dist.

Point for the 1/4 sec. cor. of sec. 31 only, T. 42 N., R. 4 W., longitudinally 40.00 chs. dist. from the closing cor. of secs. 31 and 32, on the N. bdy. of sec. 31, on the Arizona and Utah state bdy.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.

**Survey of the Subdivisional Lines,  
T. 42 N., R. 4 W., Gila and Salt River Meridian, Arizona**

CHAINS

UTAH

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1/4 S 31  
T 42 N R 4 W

2004

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

Cor. is located 2 lks. N. of a fence extending E. and W.

From this point, mile post 71 on the Arizona and Utah state bdy., hereinbefore described, bears N. 89°54' E., 25.89 chs. dist.

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GENERAL DESCRIPTION

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This survey is effectively separated into two projects by the Vermillion Cliffs of the Moquith Mountains. The portions of the survey at the base of the mountains are accessed through the Paiute Indian community of Kaibab, just north of the Pipe Springs National Monument. A network of trail roads winds its way to the top of the Moccasin Mountains, which is the lower portion of this survey at 5500 ft. elevation. The top of the Moquith Mountains, 7050 ft. elevation, is accessed from Utah through the Corral Pink Sand Dunes Recreation Area. Truck travel is limited, but ATV's make the ascent with ease. Once at the top even ATV access is limited.

There is no human occupation within this survey, but there are archeological sites throughout the township. The only agricultural use is grazing. The Montane Conifer and the Great Basin Conifer woodland biotic communities meet along the Vermillion Cliffs, providing a break in vegetation types, signified by the presence of ponderosa pine at the higher elevations. Very few game animals were sighted, but this is due to the dates of survey and the migratory nature of the mule deer. The many antler sheds found indicate a substantial population in season.

The mean magnetic declination of 12 1/2° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v4.0, utilizing the International Geomagnetic Reference Field model for years 2000 through 2005, for the dates of survey.

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