

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

R4557

of the

Dependent Resurvey

of the

Utah-Arizona State Boundary

between

Mile Post 243 and the Four Corners Monument

with the

Establishment of Corners to Govern Surveys in Utah

Of the \_\_\_\_\_ Meridian,

In the State of \_\_\_\_\_

EXECUTED BY

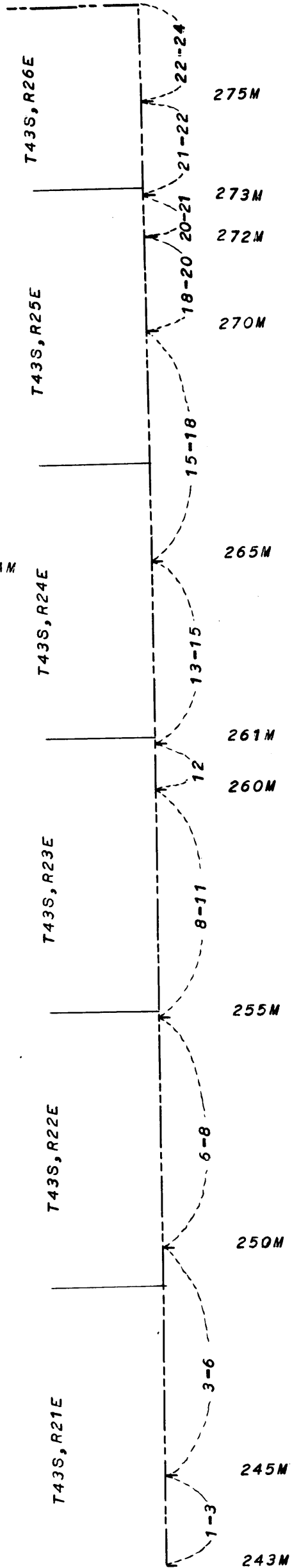
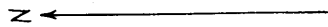
Robert C. Yundt, Cartographer-Cadastral

Under special instructions dated July 28, 1953, which provided  
for the surveys included under Group No. 386-Utah, approved July 31, 1953  
and assignment instructions dated July 31, 1953.

Survey commenced August 12, 1953

Survey completed October 28, 1953

INDEX DIAGRAM  
GROUP 386



UTAH-ARIZONA BOUNDARY

18

4-680  
(Feb., 1950)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

The boundary between Utah and Arizona was originally surveyed by Howard B. Carpenter, U. S. Surveyor and Astronomer, in 1901. The following field notes are those of a dependent resurvey of a portion of this line and an establishment thereon of corm. to govern the subdivisional survey in Utah in Rs. 21 to 26 inclusive. This resurvey is a restoration of the original survey according to the identified evidence of that survey, only the identified original mile posts being remonumented. The corm., along this line for the surveys in Utah, were established at predetermined distances westward from the Four Corners monument. Only the true line notes, referring to the completed resurvey, are given here. The resurvey was made at the request of several oil companies in order to identify boundaries of their leases from the Bureau of Indian Affairs.

The resurvey was commenced August 7, 1953, and was executed with Buff and Buff solar transits Nos. 14191 and 26594, property of the Bureau of Land Management. The instruments have horizontal plates provided with two double verniers and full vertical circles with one double vernier. All verniers are graduated to single minutes of arc. Since the solar attachments of the instruments were not used, no description of them will be given here. The instruments were in good condition and, prior to the beginning of the field work, were tested and found free from error. They were maintained in good adjustment throughout the field work. The azimuth of the lines of the survey was determined by observations on Polaris or altitude observations on the sun. The geographic position of the Four Corners monument, determined by the Coast and Geodetic Survey, is as follows: latitude,  $36^{\circ}59'56.30''$  N. and longitude,  $109^{\circ}02'40.24''$  W.

The bearings of the lines of the resurvey were determined by either altitude observations on the sun or hour angle observations on Polaris made on line during the progress of the resurvey.

The measurements were made with Chicago steel ribbon tapes, 8 chs. in length. These tapes are graduated every lk. for the first ch. and thereafter at intervals of ten lks. The tapes were tested by comparison with a Lufkin standard steel tape, one ch. in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of a clinometer, and the slope distances properly reduced to the horizontal equivalents, which appear in these notes.

DEPENDENT RESURVEY OF THE UTAH-ARIZONA STATE BOUNDARY  
LINE BETWEEN THE 243RD MILE POST AND THE FOUR CORNERS MONUMENT

Reestablishment of the survey executed by Howard  
W. Carpenter, U.S. Surveyor and Astronomer in  
1901.

Beginning at the 243rd mile post of the Utah-Arizona state line marked by a shattered sandstone rock bearing the remains of the original markings and witnessed by a mound of stone to the east.

At the same point.

Set an iron rod 12 ins. long,  $5/8$  ins. in diam., 8 ins. in a hole drilled into solid surface rock, over which I set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam. in a large mound of stone, with brass cap marked

243M  
UTAH

ARIZ  
1953

Deposit broken glass and the remains of the original stone alongside the iron post.

Thence

S.  $89^{\circ}59'$  E. along the 244th mile.

Over rolling land through widely scattered timber and scant undergrowth.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains 11.82	<p>The cor. of T. 43 S., Rs. 20 and 21 E. Utah established at a point 2710.50 chs. westward in departure from the Four Corners monument.</p> <p>Set an iron rod 10 ins. long and <math>\frac{5}{8}</math> ins. in diam., 6 ins. in a hole drilled into solid sandstone in the center of a cross (X) cut into the rock. Over this pin I set an iron post 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam. in a large mound of stone, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>T43S</td></tr> <tr><td>R20E   R21E</td></tr> <tr><td>S36   S31</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div>	T43S	R20E   R21E	S36   S31
T43S				
R20E   R21E				
S36   S31				
15.85	Spur projects S. 20° W. descend along a SE. slope.			
23.30	Small draw, drains S. 25° W. ascend along a NW. slope.			
37.91	Unimproved road bears N. 60° E. and S. 60° W.			
51.82	<p>On top of a sandstone ridge bearing N. and S., the <math>\frac{1}{4}</math> sec. cor. of sec. 31, T. 43 S., R. 21 E. Utah.</p> <p>Set an iron rod 10 ins. long and <math>\frac{5}{8}</math> ins. in diam., 6 ins. in a hole drilled into solid sandstone in the center of a cross (X) cut into the rock. Over this rod I set an iron post 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam. in a large mound of stone, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td><math>\frac{1}{4}</math>S31</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div>	$\frac{1}{4}$ S31		
$\frac{1}{4}$ S31				
79.99	Point for the 244th mile post at proportionate distance. No trace of the post can be found. Continue same line with continuous measurement along the 245th mile.			
91.82	<p>The cor. of secs. 31 and 32, T. 43 S., R. 21 E. Utah.</p> <p>Over a cross (X) cut in solid rock, set an iron post 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam. in a large mound of stone, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>T43S   R21E</td></tr> <tr><td>S31   S32</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div>	T43S   R21E	S31   S32	
T43S   R21E				
S31   S32				
114.30	Shallow wash drains SW.			
119.90	Unimproved road bears N. 20° W. and S.			
131.82	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 32, T. 43 S., R. 21 E. Utah.</p> <p>Set an iron post 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td><math>\frac{1}{4}</math>S32</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div> <p>Deposit broken glass and a limestone rock 6x4x3 ins., marked with a cross (X) at the base of the post.</p>	$\frac{1}{4}$ S32		
$\frac{1}{4}$ S32				
140.20	Unimproved road bears N. & S.			

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
141.90	Unimproved road, bears N. 20°W. and S. 30° E.
148.10	Unimproved road, bears N. and S.
150.00	Unimproved road, bears N. and S.
159.98	Intersect the 245th mile post of the Utah-Arizona state line marked by a sandstone rock 28x8x7 ins. firmly set in ground and in a mound of stone and marked 245M on the west, UTAH on the north, ARIZ on the south and 37NL on the east faces.
	At the same point.
	Set an iron post, 30 ins. long and 2½ ins. in diam., 24 ins. in the ground, with brass cap marked
	245M UTAH  ARIZ  1953
	Deposit broken glass at the base of the post and bury the original stone alongside.
	Rebuild the mound of stone to the north.
	Land, rolling flat.
	Soil, sandy clay
	Timber, widely scattered juniper
	Undergrowth, shadscale, weeds and grass
	N89°16'E. along the 246th mile.
	Over rolling land through widely scattered timber and a scant undergrowth; ascend along a NW. slope.
8.00	Top of broken north slope of bench bears NE. and SW.
11.84	The cor. of sections 32 and 33, Township 43 S., R. 21 E., Utah.
	Set an iron post 30 ins. long and 2½ ins. in diam., 12 ins. in the ground, to solid rock and in a mound of stone with brass cap marked
	T43S   R21E S32   S33  ARIZ  1953
	Deposit broken glass at the base of the post.
	Continue across broken top.
17.00	Spur projects N.; descend along a SE. slope.
51.845	The ¼ sec. cor. of sec. 33, T. 43 S., R. 21 E.
	Set an iron post 30 ins. long and 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	¼S33  ARIZ  1953
	Raise a mound of stone 2½ ft. base and 1½ ft. high N. of the post.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains					
55.00	Draw, drains SW.				
65.10	Unimproved road bears N. and S.				
70.50	Draw drains S. 15° W; ascend along a NW. slope.				
80.00	Point for the 246th mile post at proportionate distance. No trace of this point can be found--continue on same line with continuous measurement along the 247th mile.				
91.850	The cor. of secs. 33 and 34, T. 43 S, R. 21 E., Utah.  Set an iron post, 30 ins. long and 2½ ins. in diam., 18 ins. in the ground to solid rock and in a mound of stone, with brass cap marked  <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px;">T43S</td> <td style="padding: 2px;">R21E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S33</td> <td style="padding: 2px;">S34</td> </tr> </table> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> Deposit broken glass and a limestone rock 4x3x2 ins., marked with a cross (X) at the base of the post.	T43S	R21E	S33	S34
T43S	R21E				
S33	S34				
131.85	The ¼ sec. cor. of sec. 34, T. 43 S., R. 21 E.  Set an iron post, 30 ins. long and 2½ ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked  <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; padding: 2px;">¼S34</td> </tr> </table> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> Deposit broken glass at the base of the post.	¼S34			
¼S34					
144.00	Draw drains S. 50° W.				
150.05	Graded road, bears N. 57°30' E. and S. 57°30' W., from Shiprock, N.M. to Kayenta, Ariz.				
154.90	Draw, drains SW.				
160.01	Point for the 247th mile post at proportionate distance. No trace of this post can be found--continue on same line with continuous measurement along the 248th mile.				
171.85	The cor. of secs. 34 and 35, T. 43 S., R. 21 E.  Set an iron post 30 ins. long and 2½ ins. in diam., 22 ins. in the ground to solid rock and in a mound of stone, with brass cap marked  <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px;">T43S</td> <td style="padding: 2px;">R21E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S34</td> <td style="padding: 2px;">S35</td> </tr> </table> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> Deposit broken glass and a limestone rock, 5x4x1½ ins. marked with a cross (X) at the base of the post.	T43S	R21E	S34	S35
T43S	R21E				
S34	S35				
189.45	Low spur projects S.				
211.40	Shallow draw drains S.				
211.855	The ¼ sec. cor. of sec. 35, T. 43 S., R. 21 E.				

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	<p>Set an iron post, 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S35</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>
216.20	Unimproved road, bears N. and S.
240.02	Point for the 248th mile post at proportionate distance. No trace of this post can be found--continue on same line with continuous measurement along the 249th mile.
251.86	<p>The cor. of secs. 35 and 36, T. 43 S., R. 21 E., Utah.</p> <p>Set an iron post, 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <p style="text-align: center;">T43S R21E S35 S36</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit a limestone rock, 6x4x2 ins., marked with a cross (X) at the base of the post. This cor. is located about 100 ft. S. of an EW. road.</p>
255.05	Graded road, bears N. $62^{\circ}30'$ W. and S. $62^{\circ}30'$ E., Kayenta, Arizona to Shiprock, N. M.
291.865	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 36, T. 43 S., R. 21 E., Utah.</p> <p>Set an iron post 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S36</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p>
320.03	Point for the 249th mile post at proportionate distance. No trace of this post can be found--continue on same line with continuous measurement along the 250th mile.
331.87	<p>The cor. of T. 43 S., Rs. 21 and 22 E., Utah at a point 2230.50 chs. W. in departure from the Four Corners monument.</p> <p>Set an iron post, 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <p style="text-align: center;">T43S R21E R22 E S36 S31</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Raise a mound of stone 3 ft. base and 2 ft. high, N. of the post.</p>
342.10	Low spur, projects NE.
371.87	The $\frac{1}{4}$ sec. cor. of sec. 31, T. 43 S., R. 22 E., Utah.



DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

Set an iron post, 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S31

ARIZ

1953

Deposit broken glass at the base of the post.

387.00 Unimproved road, bears N.  $30^{\circ}$  E. and S  $30^{\circ}$  W.

400.01 The 250th mile post, marked by a sandstone shaft, 60x18x10 ins., firmly set in the ground and marked UTAH on the N., L37N on the east, ARIZ on the S. and 250M on the west faces.

At the same point.

Set an iron post, 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked

250M

UTAH

ARIZ

1953

Deposit the original stone to the S. of the iron post.

Land, rolling desert.

Soil, sandy clay.

Timber, widely scattered juniper.

Undergrowth, shadscale, weeds, grass.

East along the 251st mile of the Utah-Arizona state line.

Over rolling land, through a scant undergrowth.

11.87 The cor. of secs. 31 and 32, T. 43 S., R. 22 E., Utah.

Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked

T43S	R22E
S31	S32

ARIZ

1953

Deposit broken glass at the base of the post.

25.80 Road, bears N. and S  $15^{\circ}$  E.

51.87 The  $\frac{1}{4}$  sec. cor. of sec. 32, T. 43 S., R. 22 E., Utah.

Set an iron post, 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S32

ARIZ

1953

Deposit broken glass at the base of the post.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

## Chains

- 80.04 Point for the 251st mile post at proportionate distance. There is no remaining evidence of this post--continue on same line with continuous measurement along the 252nd mile.
- 91.87 The cor. of secs. 32 and 33., T. 43 S., R. 22 E., Utah.  
Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked
- |      |      |
|------|------|
| T43S | R22E |
| S32  | S33  |
- ARIZ  
1953
- Deposit broken glass at the base of the post.
- 95.54 Read, bears NE. and S.  $30^{\circ}$  W.
- 131.87 The  $\frac{1}{4}$  sec. cor. of sec. 33, T. 43, S., R. 22 E., Utah.  
Set an iron post, 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked.
- |                   |
|-------------------|
| $\frac{1}{4}$ S33 |
|-------------------|
- ARIZ  
1953
- 160.08 Point for the 252nd mile post at proportionate distance. There is no remaining evidence of this post--continue on same line with continuous measurement along the 253rd mile.
- 171.87 The cor. of secs. 33 and 34, T. 43 S., R. 22 E., Utah.  
Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked
- |      |      |
|------|------|
| T43S | R22E |
| S33  | S34  |
- ARIZ  
1953
- Deposit broken glass at the base of the post.
- 211.87 The  $\frac{1}{4}$  sec. cor. of sec. 34, T. 43 S., R. 22 E., Utah  
Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked
- |                   |
|-------------------|
| $\frac{1}{4}$ S34 |
|-------------------|
- ARIZ  
1953
- Deposit broken glass at the base of the post.
- 240.12 Point for the 253rd mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 254th mile.
- 251.87 The cor. of secs. 34 and 35, T. 43 S., R. 22 E., Utah.  
Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

T43S	R22E
S34	S35

ARIZ

1953

Deposit broken glass at the base of the post.

From this point USGS Station "Oil" bears N. 7°46'30" W., 218.37 chs.

255.90 Low spur N. 20° E.

291.16 White sandstone outcropping.

291.87 The  $\frac{1}{4}$  sec. cor. of sec. 35, T. 43 S., R. 22 E., Utah.Set an iron rod 12 ins. long and  $\frac{5}{8}$  ins. in diam., 8 ins. in a hole, drilled into solid surface rock, in the center of a cross (X) cut into the rock; cut the figure " $\frac{1}{4}$ " into the rock immediately N. of this point.

307.70 Road, bears N. 30° E. and S 30° W.

320.16 Point for the 254th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 255th mile.

331.87 The corner of secs. 35 and 36, T. 43 S., R. 22 E., Utah.

Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked

T43S	R22 E
S35	S36

ARIZ

1953

Deposit broken glass at the base of the post.

371.87 The  $\frac{1}{4}$  sec. cor. of sec. 36, T. 43 S., R. 22 E., Utah.Set an iron post 30 ins. long and  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked $\frac{1}{4}$ S36

ARIZ

1953

Deposit broken glass at the base of the post.

390.50 Road, bears NW. and SE.

391.50 Road, bears N. 10° W. and S 10° E.

392.40 Road, bears N. 15° E. and S. 15° W.

400.20 The 255th mile post marked by an iron post conforming to the record.

Land, rolling desert.  
Soil, gravelly to rocky clay loam.  
Timber, dwarf juniper.  
Undergrowth, shadscale, weeds, and grass.

N. 89°56' E. along the 256th mile.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	Over rolling bench through widely scattered timber and a scant undergrowth.						
11.67	<p>The cor. of T. 43 S., Rs. 22 and 23 E., Utah; established at a point 1750.50 chs. westward in departure from the Four Corners monument.</p> <p>Set an iron post 30 ins. long and <math>2\frac{1}{2}</math> ins. in diam., 26 ins. in the ground, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>T43S</td><td></td></tr> <tr><td>R22E</td><td>R23E</td></tr> <tr><td>S36</td><td>S31</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div> <p>Deposit a sandstone rock, 4x3x2 ins., marked with a cross (X), at the base of the post, and raised a mound of stone, 2 ft. base and <math>1\frac{1}{2}</math> ft. high, to the N.</p>	T43S		R22E	R23E	S36	S31
T43S							
R22E	R23E						
S36	S31						
46.10	Draw, drains S.; also road bearing N. 30° W. and S. 30° E.						
51.67	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 31, T. 43 S., R. 23 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td><math>\frac{1}{4}</math>S31</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div> <p>Deposit broken glass at the base of the post.</p>	$\frac{1}{4}$ S31					
$\frac{1}{4}$ S31							
72.60	Road, bears N. 65° W. and S. 65° E.						
79.91	Point for the 256th mile post at proportionate distance; there is no remaining evidence of the original monument--continue on same line with continuous measurement along the 257th mile.						
91.67	<p>The cor. of secs. 31 and 32, T. 43 S., R. 23 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>T43S</td><td>R23E</td></tr> <tr><td>S31</td><td>S32</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div> <p>Deposit broken glass at the base of the post.</p>	T43S	R23E	S31	S32		
T43S	R23E						
S31	S32						
103.50	Sandstone spur, projects S.						
118.40	Draw, drains SW.						
131.67	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 32, T. 43 S., R. 23 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td><math>\frac{1}{4}</math>S32</td></tr> </table> <p>ARIZ</p> <p>1953</p> </div>	$\frac{1}{4}$ S32					
$\frac{1}{4}$ S32							

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

	Deposit broken glass at the base of the post.				
132.30	Road, bears N. 20° W. and SE.				
143.60	Road, bears N. 15° W. and S 30° E.				
159.83	Point for the 257th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 258th mile.				
171.67	The cor. of secs. 32 and 33, T. 43 S., R. 23 E., Utah.  Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap marked  <div style="text-align: center;"> <table border="1"> <tr> <td>T43S</td> <td>R23E</td> </tr> <tr> <td>S32</td> <td>S33</td> </tr> </table> <p>ARIZ</p> <p>1953</p> </div>	T43S	R23E	S32	S33
T43S	R23E				
S32	S33				
211.67	The ¼ sec. cor. of sec. 33, T. 43 S., R. 23 E., Utah  Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap marked  <div style="text-align: center;"> <table border="1"> <tr> <td>¼S33</td> </tr> </table> <p>ARIZ</p> <p>1953</p> </div> <p>Deposit broken glass at the base of the post.</p>	¼S33			
¼S33					
239.74	Point for the 258th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 259th mile.				
242.20	Road, bears NE. and SW.				
251.67	The cor. of secs. 33 and 34, T. 43 S., R. 23 E., Utah.  Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked  <div style="text-align: center;"> <table border="1"> <tr> <td>T43S</td> <td>R23E</td> </tr> <tr> <td>S33</td> <td>S34</td> </tr> </table> <p>ARIZ</p> <p>1953</p> </div> <p>Deposit broken glass at the base of the post.</p>	T43S	R23E	S33	S34
T43S	R23E				
S33	S34				
275.80	Road, S. 60° E. and N. 60° W.				
281.50	Road, bears S. 10° E. and N. 10° W.				
285.00	Road, bears N. 70° W. and S. 70° E.				
291.67	The ¼ sec. cor. of sec. 34, T. 43 S., R. 23 E., Utah.  Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked  <div style="text-align: center;"> <table border="1"> <tr> <td>¼S34</td> </tr> </table> <p>ARIZ</p> <p>1953</p> </div>	¼S34			
¼S34					

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
	Deposit broken glass at the base of the post.
310.00	Road, bears NW. and SE.
317.85	Small draw, drains S 30° E.
319.66	Point for the 259th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 260th mile.
331.67	The cor. of secs. 34 and 35, T. 43 S., R. 23 E., Utah.  Set an iron rod, 12 ins. long and 5/8 in. in diam., 6 ins. in a hole, drilled into solid surface rock, in the center of a cross (X), cut into the rock. To the E. of the rod I cut two grooves and to the W. four grooves, and raise a mound of stone 3 ft. base and 2 ft. high, N. of the rod.
338.70	Draw, drains SW.
353.05	Road, bears N. and S. 15° E.
356.60	Road, bears N. and S.
362.90	Draw, drains SW.
367.50	Road, bears NE. and S. 60° W.
371.67	The 1/4 sec. cor. of sec. 35, T. 43 S., R. 23 E., Utah.  Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap marked  <div style="text-align: center;"> <u>1/4 S35</u>            ARIZ            1953         </div>
	Deposit broken glass at the base of the post.
376.80	Forks of road, bearing N. 30° E.; S. and SW.
377.40	Spur, projects S: 30° W.
381.46	Draw, drains S 25° W.
389.60	Spur, projects S. 20° W. about 20 chs. to end.
392.30	Draw, drains S. 25° W.
398.50	Spur, projects S. 30° W.
399.57	The 260th mile post, marked by a sandstone rock, 22x18x6 ins., set in the ground and marked "ARIZ" on the S. face; other marks not legible. Witnessed by a mound of stone E. of the post.  At the same point.  Set an iron post, 30 ins. long; 2 1/2 ins. in diam., 22 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked  <div style="text-align: center;">           260M  <u>UTAH</u>            ARIZ            1953         </div>

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

Deposit broken glass at the base of the post and bury the original stone to the S.

Land, rolling desert.  
Soil, gravelly to rocky clay loam and exposed sandstone.  
Timber, dwarf juniper  
Undergrowth, shadscale, weeds, and grass.

N. 89°42' E. along the 261st mile.

Over broken land, through widely scattered timber and a scant undergrowth.

12.10 Point for the cor. of secs. 35 and 36 falls upon steeply sloping sandstone ledge, at the W. edge of Red Mesa, where the monument cannot be perpetuated.

15.10 W. rim of Red Mesa, bears NW. and S.

Set an iron rod, 12 ins. long, 5/8 in. in diam., 8 ins. in a hole, in solid sandstone, at the witness cor. of secs. 35 and 36, T. 43 S., R. 23 E., Utah, over which I set an iron post 30 ins. long and 2 1/2 ins. in diam., in a large mound of stone, with brass cap marked

WC	
T43S	R23E
S35	S36

ARIZ

1953

Thence across mesa top.

28.70 E. edge of Red Mesa, bears N. and S. 10° E.

31.90 Draw, descends NE. about 5 chs., thence E.

35.90 Draw, descends N. 60° E.

48.00 Spur, projects N. 60° E.

52.10 The 1/4 sec. cor. of sec. 36, T. 43 S., R. 23 E., Utah.

Set an iron post, 30 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, with brass cap marked

1/4 S36

ARIZ

1953

Deposit broken glass at the base of the post.

57.10 Draw, drains N. 60° E.

62.80 Draw, drains NE.

79.60 The 261st mile post, marked by a sandstone rock, 30x10x6 ins., firmly set, and marked, UTAH on the N., 37 NL on the E., ARIZ on the S., and 261M on the W. faces.

At the same point.

Set an iron post, 30 ins. long, 2 1/2 ins. in diam., 26 ins. in the ground, with brass cap marked

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

261M

UTAH

ARIZ

1953

Bury the original stone alongside the iron post and raise a mound of stone to the W.

Land, broken bench.

Soil, gravelly and rocky clay loam.

Timber, dwarf juniper.

Undergrowth, shadscale, sagebrush, weeds, and grass.

East along the 262nd mile.

Over rolling land, through scant undergrowth.

5.80 Road, bears N. 30° W. and S. 30° E.

12.50 The cor. of T. 43, S., Rs. 23 and 24 E., Utah, established at a point 1270.50 chains westward in departure from the Four Corners monument.

Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked

T43S

R23E R24E

S36 S31

ARIZ

1953

Raise a mound of stone N. of the post.

From this cor. USGS. station, Red Mesa, bears N. 71°19'30" W., 102.81 chs. distant. Latitude, 37°00'18.95" N.; Longitude, 109°21'13.20" W.

33.50 Road, bears N. 35° W. and S. 25° E.

45.70 Road, bears N. 20° E. and S. 20° W.

52.50 The ¼ sec. cor. of sec. 31, T. 43 S., R. 24 E., Utah.

Set an iron post, 30 ins. long, 2½ ins. in diam., 22 ins. in the ground and in a collar of stone, with brass cap marked

¼S31

ARIZ

1953

Deposit broken glass at the base of the post.

74.20 Wash, drains N. 10° E.

80.015 Point for the 262nd mile post at proportionate distance. There is no remaining evidence of the monument--continue on same line with continuous measurement.

92.00 Road, bears N. & S.

92.50 The cor. of secs. 31 and 32, T. 43 S., R. 24 E., Utah.



DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	<p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground and in a collar of stone, with brass cap marked</p> <p style="text-align: center;"> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">T43S</td> <td style="padding: 2px;">R24E</td> </tr> <tr> <td style="padding: 2px;">S31</td> <td style="padding: 2px;">S32</td> </tr> </table> </p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>	T43S	R24E	S31	S32
T43S	R24E				
S31	S32				
108.40	Road NE. and SW.				
132.50	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 32, T. 43 S., R. 24 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground and in a collar of stone, with brass cap marked</p> <p style="text-align: center;"> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;"><math>\frac{1}{4}</math>S32</td> </tr> </table> </p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>	$\frac{1}{4}$ S32			
$\frac{1}{4}$ S32					
160.03	Point for the 263rd mile post at proportionate distance. There is no remaining evidence of the original monument--continue on the same line with continuous measurement.				
172.50	<p>The cor. of secs. 32 and 33, T. 43 S., R. 24 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">T43S</td> <td style="padding: 2px;">R24E</td> </tr> <tr> <td style="padding: 2px;">S32</td> <td style="padding: 2px;">S33</td> </tr> </table> </p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>	T43S	R24E	S32	S33
T43S	R24E				
S32	S33				
174.00	Low spur, projects N. $30^{\circ}$ E.				
180.80	Bladed road, bears NE. & SW.				
183.40	Road, bears N. $30^{\circ}$ E. and S. $30^{\circ}$ W.				
189.00	Road, bears N. $60^{\circ}$ E. and S. $80^{\circ}$ W.				
212.50	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 33, T. 43 S., R. 24 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;"><math>\frac{1}{4}</math>S33</td> </tr> </table> </p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>	$\frac{1}{4}$ S33			
$\frac{1}{4}$ S33					
229.10	Road, bears N. and S.				
240.05	Point for the 264th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement.				

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

## Chains

- 252.50 The cor. of secs. 33 and 34, T. 43 S., R. 24 E., Utah.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 22 ins. in the ground, with brass cap marked
- |      |      |
|------|------|
| T43S | R24E |
| S33  | S34  |
- ARIZ
- 1953
- Deposit broken glass at the base of the post.
- 280.30 Road, bears N. 30° W. and S. 30° E.
- 282.10 Unimproved road, bears N. 10° W. and S.
- 289.00 Draw, drains N. 30° E.
- 292.50 The  $\frac{1}{4}$  sec. cor. of sec. 34, T. 43 S., R. 24 E., Utah.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 22 ins. in the ground, with brass cap marked
- |             |
|-------------|
| <u>1834</u> |
|-------------|
- ARIZ
- 1953
- Deposit broken glass at the base of the post.
- 303.50 Unimproved road, bears N. 30° E. and S. 30° W.
- 310.00 Low spur, projects N. about 6 chs. to end.
- 313.40 Bladed road, bears N. & S.
- 317.80 Unimproved road, bears N. 30° W. and S 30° E.
- 320.06 The 265th mile post, marked by a sandstone rock, 28x14x6 ins., set in a mound of stone. Rock is weathered and no marks visible.
- At the same point.
- Set an iron pin, 12 ins. long,  $\frac{5}{8}$  in. in diam., 7 ins. in a hole, drilled into solid surface rock, in the center of a cross (x) cut into the rock. Raise a mound of stone to the south and cut the figures 265M to the N. of the rod.
- Land, rolling and broken desert.  
Soil, sandy to gravelly clay loam.  
Timber, widely scattered juniper  
Undergrowth, shadscale, sagebrush, weeds, and grass.
- 
- N. 89°57' E. along the 266th mile.
- Over rolling land through widely scattered timber and scant undergrowth.
- 12.44 At the cor. of secs. 34 and 35, T. 43 S., R. 24 E., Utah
- Set an iron rod, 12 ins. long,  $\frac{5}{8}$  in. in diam., 7 ins. in a hole, drilled into solid sandstone surface rock, in the center of a cross (X), cut into the rock, witnessed by a mound of stone to the N., and two grooves cut into the rock E. of the rod, and four grooves to the W.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
52.44	<p>At the <math>\frac{1}{4}</math> sec. cor. of sec. 35, T. 43 S., R. 24 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground with brass cap marked</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S35</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>
67.80	Unimproved road, bears NW. and SE.
70.20	Unimproved road, bears N. and S.
80.01	Point for the 266th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement.
80.90	Unimproved road, bears N 30° W. and S 30° E.
91.80	Unimproved road, bears N. 60° W. and S 60° E.
92.44	<p>At the cor. of secs. 35 and 36, T. 43 S., R. 24 E., Utah</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground, with brass cap marked</p> <p style="text-align: center;">T43S R24E S35 S36</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>
132.44	<p>At the <math>\frac{1}{4}</math> sec. cor. of sec. 36, T. 43 S., R. 24 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S36</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>
160.02	Point for the 267th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on the same line with continuous measurement.
172.44	<p>The cor. of T. 43 S., Rs. 24 and 25 E., Utah, established at a point 790.50 chs. westward in departure from the Four Corners monument.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 24 ins. in the ground, with brass cap marked</p> <p style="text-align: center;">T43S R24E R25E S36 S31</p> <p style="text-align: center;">ARIZ</p> <p style="text-align: center;">1953</p> <p>Deposit broken glass at the base of the post.</p>

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

## Chains

- 210.94 The  $\frac{1}{4}$  sec. cor. of sec. 31, T. 43 S., R. 25 E., Utah.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 22 ins. in the ground and in a collar of petrified wood, with brass cap marked
- $\frac{1}{4}$ S31  
ARIZ  
1953
- Deposit broken glass at the base of the post.
- 240.03 Point for the 268th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement.
- 250.94 The cor. of secs. 31 and 32, T. 43 S., R. 25 E., Utah.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked
- T43S R25E  
S31 | S32  
ARIZ  
1953
- Deposit broken glass at the base of the post.
- 262.80 Small wash, drains N.
- 290.94 The  $\frac{1}{4}$  sec. cor. of sec. 32, T. 43 S., R. 25 E., Utah  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 24 ins. in the ground, with brass cap marked
- $\frac{1}{4}$ S32  
ARIZ  
1953
- Deposit broken glass at the base of the post.
- 317.90 Unimproved road, bears NW. and SE.
- 320.04 Point for the 269th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement.
- 330.94 The cor. of secs. 32 and 33, T. 43 S., R. 25 E., Utah.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 26 ins. in the ground, with brass cap marked
- T43S R25E  
S32 | S33  
ARIZ  
1953
- Deposit a sandstone rock, 5x5x2 ins., marked with a cross (X) and broken glass at the base of the post.
- 340.90 Small reservoir, bears N. about 1.70 chs.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
362.00	Road, bears N. and S.
370.94	The $\frac{1}{4}$ sec. cor. of sec. 33, T. 43 S., R. 25 E., Utah Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 26 ins. in the ground, with brass cap marked  <div style="text-align: center;"><math>\frac{1}{4}</math>S33 ----- ARIZ  1953</div> Deposit a sandstone rock, 5x4x3 ins., marked with a cross (X) and broken glass at the base of the post.
374.80	Draw, drains N. 70° W.
386.90	Draw, Drains S 80° W.
400.05	The 270th mile post, marked by a sandstone rock, 30x16x5 ins., firmly set in the ground and in a mound of stone; marked UTAH on the S., 37 NL. on the E., ARIZ on the S., and 270M on the W. faces.  At the same point.  Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 12 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked  <div style="text-align: center;">270M  ----- UTAH  ARIZ  1953</div> Deposit broken glass at the base of the post and bury the original stone alongside.  Land, rolling desert, becoming rougher in the E. Soil, gravelly clay loam. Timber, widely scattered dwarf juniper. Undergrowth, shadscale, sagebrush, weeds, and grass.
	N. 89°58' E., along the 271st mile.  Over rolling and broken land, through widely-scattered timber and a scant undergrowth.
10.50	Low ledge bearing N. and S. on the W. edge of mesa.
10.89	The cor. of secs. 33 and 34, T. 43 S., R. 25 E., Utah  Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked  <div style="text-align: center;">T43S R25E S33   S34 ----- ARIZ  1953</div> Deposit broken glass and a sandstone rock 5x4x3 ins., marked with a cross (X), at the base of the post.
11.00	Unimproved road, bears N. & S.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
24.32	Unimproved road, bears NE. and SW.
42.90	East edge of mesa, bears NE. and SW.
50.89	The $\frac{1}{4}$ sec. cor. of sec. 34, T. 43 S., R. 25 E., Utah. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked  <div style="text-align: center;"><math>\frac{1}{4}</math>S34 ----- ARIZ  1953</div>
	Deposit a sandstone rock, 4x3x2 ins., marked with a cross (X), at the base of the post.
62.30	Draw, drains SE.
69.30	Spur, projects SE. about 12 chs. to end.
74.00	Large draw, drains S. 70° E.
79.595	Point for the 271st mile post at proportionate distance. There is no remaining evidence of the original monument --continue on same line with continuous measurement, over broken land.
90.89	The cor. of secs. 34 and 35, T. 43 S., R. 25 E., Utah. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 22 ins. in the ground, and in a collar of stone, with brass cap marked  <div style="text-align: center;">T43S R25E S34   S35 ----- ARIZ  1953</div>
	Deposit broken glass and a sandstone rock, 6x4x1 $\frac{1}{2}$ ins., marked with a cross (X), at the base of the post.
95.10	Large draw, drains N.
106.70	Spur, projects N.
110.00	Draw, drains N.
113.70	Spur, projects N. 30° E. about 20 chs. to end.
130.89	The $\frac{1}{4}$ sec. cor. of sec. 35, T. 43 S., R. 25 E., Utah. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 22 ins., in the ground, and in a collar of stone, with brass cap marked  <div style="text-align: center;"><math>\frac{1}{4}</math>S35 ----- ARIZ  1953</div>
	Deposit broken glass and a sandstone rod, 9x6x3 ins., marked with a cross (X), at the base of the post.
131.40	Small draw, drains N. 20° E.
139.80	Low spur, projects N. 30° W., about 6 chs. to end.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
148.00	Draw, drains N. 30° W.
155.30	Spur, projects N. about 8 chs. to end.
159.19	The 272nd mile post, marked by a sandstone rock, 31x13x8 ins, firmly set in the ground, and marked UTAH on the N., 37 NL. on the E., ARIZ on the S., and 272N on the W. faces.
	At the same point.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	272M
	UTAH
	ARIZ
	1953
	Bury the original stone alongside the iron post and raise a mound of stone to the E.
	Land, broken bench.
	Soil, rocky clay loam.
	Timber, dwarf juniper.
	Undergrowth, shadscale, sagebrush, weeds, and grass.
	N. 89°52' E., along the 273rd mile.
	Over broken land, through widely scattered timber and scant undergrowth.
7.30	Draw, drains N. 30° E.
10.90	Spur, projects N. 20° W.
11.70	The cor. of secs. 35 and 36, T. 43 S., R. 25 E., Utah
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	T43S R25E S35   S36
	ARIZ
	1953
	Deposit broken glass and a sandstone rock, 8x6x4 ins., marked with a cross (X), at the base of the post. Raise a mound of stone to the N.
13.80	Head of small draw draining NE.
19.40	Spur, projects N. about 3 chs. to end.
33.50	Small draw, drains N.
44.40	Small draw, drains NE.
51.70	The ¼ sec. cor. of sec. 36, T. 43 S., R. 25 E., Utah.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	S36
	ARIZ
	1953

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

## Chains

Deposit broken glass at the base of the post and raise a mound of stone to the N.

57.00 Small spur, projects N. 20° E., about 3 chs. to end.

59.00 Shallow draw, drains N. 20 ° E.

68.20 Spur, projects N. 30° E.

72.40 Unimproved road, bears N. and S.

73.20 Draw, drains N.

79.57 The 273rd mile post, marked by a sandstone rock, 31x12x5 ins., set in a mound of stone and marked 273M on W., UTAH on N., 37 NL. on E., and ARIZ on S., and from which

A juniper 10 ins. in diam., marked ARIZ 273M BT., bears S. 28°50' W., 72 lks.

A juniper stump, bears N. 20°50' W., 38 lks. distant.

At the same point, over a cross (X), cut into solid rock

Set an iron post, 30 ins. long, 2½ ins. in diam., in a large mound of stone, with brass cap marked

273M

UTAH

ARIZ

1953

Bury the original stone alongside the post.

Land, broken slopes.

Soil, gravelly to rocky clay loam.

Timber, dwarf juniper

Undergrowth, shadscale, cactus, weeds, and grass.

S. 89°27' E., along the 274th mile.

Over broken land, through widely scattered timber and a scant undergrowth.

1.30 Draw, drains SW.

12.13 The cor. of T. 43 S., Rs. 25 and 26 E., Utah, established at a point 312.00 chs. W., in departure from the Four Corners monument.

Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked

T43S

R25E | R26E

S36 | S31

ARIZ

1953

Deposit broken glass at the base of the post and raise a mound of stone to the N.

17.30 Ridge, bears N. 60° E. and S. 30° W.

35.30 Draw, drains SW.

52.13 The ¼ sec. cor. of sec. 31, T. 43 S., R. 26 E., Utah.



DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains	
	<p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 22 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S31 ARIZ 1953</p> <p>Deposit broken glass at the base of the post</p>
79.69	<p>Point for the 274th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 275th mile.</p>
92.13	<p>The cor. of secs. 31 and 32, T. 43 S., R. 26 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 26 ins. in the ground, with brass cap marked</p> <p style="text-align: center;">T43S R26E S31 S32 ARIZ 1953</p> <p>Deposit broken glass at the base of the post.</p>
132.13	<p>The <math>\frac{1}{4}</math> sec. cor. of sec. 32, T. 43 S., R. 26 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 26 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S32 ARIZ 1953</p> <p>Raise a mound of stone N. of the post.</p>
148.00	<p>Spur, projects NE. about 10 chs. to end.</p>
160.40	<p>Head of draw draining NW.</p>
164.81	<p>The witness 275th mile post, marked by a sandstone rock, 37x14x9 ins. set in a mound of stone and marked 275.068M on the W., UTAH on the N., 37 NL on the E., and ARIZ on the S.</p> <p>At the same point.</p> <p>Set an iron pin, 12 ins. long, <math>\frac{5}{8}</math> in. in diam., 8 ins. in a hole, drilled into solid surface rock, in the center of a cross (X), cut in the rock. Mark the rock to the N. of the rod 275 W. MP., and raise a mound of stone E. of the rod.</p> <p>Land, broken bench. Soil, rocky clay loam. Timber, dwarf juniper. Undergrowth, shadscale, cactus, sagebrush, weeds, and grass.</p>
7.32	<p>S. 89°39' E. along the 276th mile.</p> <p>Over broken land, through scattered timber and a scant undergrowth.</p> <p>The cor. of secs. 32 and 33, T. 43 S., R. 26 E., Utah.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diam., 18 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked</p>

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

T43S	R26E
S32	S33

ARIZ

1953

Deposit broken glass at the base of the post.

11.90 Enter rolling mesa, edge bears N. and S.

47.32 The  $\frac{1}{4}$  sec. cor. of sec. 33, T. 43 S., R. 26 E., Utah.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 26 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S33

ARIZ

1953

Raise a mound of stone N. of the post.

61.90 Leave mesa, edge bears N. and S.; reenter broken land.

68.40 Draw, drains NE. heading SW about 6 chs.

74.35 Point for the 276th mile post at proportionate distance. There is no remaining evidence of the original monument--continue on same line with continuous measurement along the 267th mile.

87.32 The cor. of secs. 33 and 34, T. 43 S., R. 26 E., Utah.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 26 ins. in the ground, with brass cap marked

T43S	R26E
S33	S34

ARIZ

1953

Raise a mound of stone N. of the post.

104.60 Spur, projects N. 80° E.

120.40 Draw, drains NE

127.32 The  $\frac{1}{4}$  sec. cor. of sec. 34, T. 43 S., R. 26 E., Utah.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 26 ins. in the ground, with brass cap marked

$\frac{1}{4}$ S34

ARIZ

1953

Raise a mound of stone N. of the post.

139.00 Spur, projects N. 30° E.

148.80 Draw, drains N. 20° E.

154.14 Point for the 277th mile post at proportionate distance. There is no remaining evidence of the post--continue on same line with continuous measurement.

DEPENDENT RESURVEY OF PORTION OF THE  
UTAH-ARIZONA STATE BOUNDARY LINE

Chains

159.32

The cor. common to the states of Utah, Colorado, New Mexico, and Arizona marked by a bronze tablet, set in a truncated, pyramidal, concrete form, conforming to the record.

Land, rough and broken bench

Soil, gravelly to rocky clay loam

Timber, dwarf juniper

Undergrowth, shadscale, cactus, weeds, and grass.

GENERAL DESCRIPTION.

The land along the boundary, covered by this resurvey, is located entirely in the Navajo Indian Reservation. The land in the west consists of rolling sandhills; farther east, it passes over several high mesas; and in the east, crosses deep canyons and broken hills. The soil is poor, being mainly a sandy clay with considerable exposed sandstone bedrock. The country is very dry, only a few small seeps being noted. The timber consists of stunted juniper and pine. These are of value for firewood and fence posts only. There is a scant cover of buckbrush with mountain rush, amole, cactus, weeds, and grass in lesser amounts. The only road of importance is the one along the south boundaries of Ranges 21 and 22 east and leading from Mexican Water to Shiprock. This road has been graded and is kept in fair shape. There are many Navajo Indians living in the area. The major portion of the land is presently under lease for oil prospecting.

The mean magnetic declination was found to be  $14\frac{1}{2}^{\circ}$  E.

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, Cartographer-Cadastral, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of July, 1953, I have ~~surveyed~~ independently resurveyed the Utah-Arizona State Boundary between the 243rd Mile Post and the "Four Corners" monument at the corner common to the states of Utah, Colorado, Arizona, and New Mexico, with the establishment of corners thereon to govern the subdivisional surveys in Utah.

of the ~~Meridian, in the State of~~, 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 instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah  
February 17, 1954

*Robert C. Yundt*  
Robert C. Yundt  
Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., MAY 10 1954, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of the Utah-Arizona state boundary between Mile Post 243 and the "Four Corners" monument at the corner common to the states of Utah, Arizona, Colorado, and New Mexico with the establishment of corners thereon to govern surveys in Utah

executed by Robert C. Yundt, Cartographer-Cadastral

having been critically examined and found correct, are hereby approved.

*Donald O. Clement*  
Assistant Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering.