

4017  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

# FIELD NOTES

of a  
 RETRACEMENT  
 of a  
 Portion of the North Boundary (Arizona-Utah State Bdy.)  
 and the  
 West Boundary  
 and a  
 SURVEY  
 of the  
 Subdivisional Lines  
 of  
 Township 42 North, Range 10 West

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

### EXECUTED BY

Boyd S. Owens, Cadastral Surveyor  
Paul G. Bauer, Surveying Technician

Under special instructions dated June 22, 19 62, which provided for the surveys  
 included under Group Number 377, approved July 2, 1962,  
 and assignment instructions dated August 31, 19 62.

Survey commenced October 10, 19 62  
 Survey completed October 11, 19 62

1A

4677

# INDEX DIAGRAM

Township 42 North, Range 10 West,

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FIELD NOTE PAPER

1. B

CHAINS

Township 42 North, Range 10 West,  
Gila and Salt River Meridian, Arizona

The north boundary, the Arizona-Utah State Boundary, was surveyed in 1901 by H. B. Carpenter.

The east boundary was surveyed in 1926 by B. J. Kinsey.

The west boundary was surveyed in 1956 by P. K. Russell.

The south boundary was surveyed concurrently under this same group.

The following notes are those of a retracement of a portion of the north boundary (Arizona-Utah State Boundary from the 35 Mile Monument to the 41 Mile Monument) and the west boundary, and a survey of the subdivisional lines of the Fractional Township 42 North, Range 10 West.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions dated June 22, 1962.

Only the true line bearings and the horizontal distances for the surveyed and retraced lines are given in these notes. Unless described, each corner was monumented with a standard iron post 30 inches long, 2½ inches in diameter, flanged at the base and with a brass cap riveted to the top. Original monuments were deposited alongside the new monuments, unless described otherwise.

The geographic position of the southeast corner of the township is: Latitude 36°59'29.97" North and Longitude 113°18'58.8" West.

The magnetic declination was found to be 15°25' East.

Retracement of a Portion of the North Boundary  
(Arizona-Utah State Boundary from 35 Mile Monument  
to 41 Mile Monument)

Retracing the 1901 Survey by H. B. Carpenter

Topography is essentially the same as that given in the official record.

From 35 Mile Monument, monumented as described in the official record.

N. 89°58' E., along the 36th mile.

53.06

The C.C. of secs. 34 and 35, T. 43 S., R. 14 W., Salt Lake Meridian, Utah, monumented as described in the official record.

80.09

The 36th mile monument, monumented as described in the official record.

N. 89°58' E., along the 37th mile.

CHAINS

53.16	The C.C. of secs. 35 and 36, T. 43 S., R. 14 W., Salt Lake Meridian, Utah, monumented as described in the official record.
80.18	The 37th mile monument, monumented as described in the official record.
	N. 89°58' E., along the 38th mile.
42.70	The C.C. of secs. 31 and 36, T. 43 S., R. 13 and 14 W., Salt Lake Meridian, Utah, monumented as described in the official record.
80.01	The 38th mile monument, monumented as described in the official record.
	N. 89°58' E., along the 39th mile.
66.22	The C.C. of secs. 31 and 32, T. 43 S., R. 13 W., Salt Lake Meridian, Utah, monumented as described in the official record.
80.00	The 39th mile monument, monumented as described in the official record.
	N. 89°57' E., on the 40th mile.
66.13	The C.C. of secs. 32 and 33, T. 43 S., R. 13 W., Salt Lake Meridian, monumented as described in the official record.
80.02	The 40th mile monument, monumented as described in the official record.
	East, along the 41st mile.
34.46	The C.C. of secs. 31 and 36, T. 42 N., R. 9 and 10 W., G&SRM, Arizona, monumented by an iron post as described in the official record.
65.82	The C.C. of secs. 33 and 34, T. 43 S., R. 13 W., Salt Lake Meridian, Utah, monumented by an iron post as described in the official record.
80.03	The 41st mile monument, monumented by an iron post as described in the official record.
	Retracement of the West Boundary, Township 42 North, Range 10 West
	Retracing the 1956 Survey by P. K. Russell
	From the cor. of Ts. 41 and 42 N., Rs. 10 and 11 W. Topography remains essentially the same as that given in the official record. North, bet. secs. 31 and 36.
40.00	Intersect ¼ sec. cor. of secs. 31 and 36, monumented as described in the official record.
51.13	The C.C. of secs. 31 and 36, T. 42 N., Rs. 10 and 11 W., monumented as described in the official record.

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Survey of Subdivisional Lines  
Township 42 North, Range 10 West, Arizona

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, monumented as described in the field notes of T. 41 N., R. 10 W.

N. 0°01' W., bet. secs. 35 and 36.

Over gently rolling hills.

20.20 Dim track road, bears N. 75° E. and S. 75° W.

22.10 Dim road, bears E. and W.

38.90 Dim track road, bears E. and W.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

Set the iron post 20 ins. in ground, cap mkd.

T42N R10W  
1/4  
S35|S36  
1962

No accessories available.

42.20 Track road, bears N. 30° E. and S. 30° W.

50.72 Point for the C.C. of secs. 35 and 36, on the N. bdy. of the township (the Arizona-Utah State Bdy.)

Set the iron post 20 ins. in ground, collar of stone to top, cap mkd.

UTAH  
S35|S36  
T42N R10W  
CC  
1962

Raise a mound of stone, 4 ft. base, 3 ft. high, S. of cor.

From the C.C. the 39th mile monument bears S. 89°57' W., 34.46 chs. dist.

Land, gently rolling hills.

Soil, gravelly.

Timber, none.

Undergrowth, moderate sagebrush and Mormon Tea.

The 1/4 sec. cor. of sec. 36 on the N. bdy. of the township is at mid-point bet. the C.Cs.

At the cor. point

Set the iron post 6 ins. in ground, mound of stone with 4 ft. base to top, cap mkd.

UTAH  
1/4 S 36  
T42N R10W  
1962

CHAINS

From this cor., the 40th mile monument bears N. 89°57' E., 5.55 chs. dist.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the township, monumented as described in the field notes of T. 41 N., R. 10 W.

N. 0°02' W., bet. secs. 34 and 35.

Over gently rolling hills.

16.50 Wash, 10 lks. wide, ½ ft. deep, drains SW. from S. 60° E.

28.90 Wash, 35 lks. wide, 2½ ft. deep, drains irregularly SW.

34.30 Track road, bears N. 75° E. and S. 75° W.

40.00 Point for the ¼ sec. cor. of secs. 34 and 35.

Set the iron post 6 ins. in ground, mound of stone with 3½ ft. base to top, cap mkd.

T42N R10W  
¼  
S34|S35  
1963

46.00 Bladed road, bears SW. and NE.

47.80 Track road; bears E. and W.

50.78 Point for C.C. of secs. 34 and 35 on the N. bdy. of the township (the Arizona-Utah State Bdy.)

Set the iron post 20 ins. in ground with mound of stone to top, cap mkd.

UTAH  
S34|S35  
T42N R10W  
CC  
1962

From the C.C., the 38th mile monument bears S. 89°58' W., 34.48 chs. dist.

Land, gently rolling hills.

Soil, rocky clay.

Timber, none.

Undergrowth, moderate sagebrush.

The ¼ sec. cor. of sec. 35 on the N. bdy. of the township is at mid-point bet. the C.Cs.

At the cor. point

Set the iron post 20 ins. in the ground, mound of stone with 4 ft. base to top, cap mkd.

UTAH  
¼ S 35  
T42N R10W  
1962

From this cor. the 39th mile monument bears N. 89°58' E., 5.53 chs. dist.

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CHAINS

Subdivision, T. 42 N., R. 10 W., Arizona

From the sec. cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, monumented as described in the field notes of T. 42 N., R. 10 W.

N. 0°02' W., bet. secs. 33 and 34.

Over gently rolling land.

22.10 Wash, 10 lks. wide, 1 ft. deep, drains NE.

23.10 Wash, 10 lks. wide, 1 ft. deep, drains NW.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34.

Set the iron post 24 ins. in the ground, cap mkd.

T42N R10W  
 $\frac{1}{4}$   
S33|S34  
1962

No accessories available.

50.30 Wash, 15 lks. wide,  $1\frac{1}{2}$  ft. deep, drains E. and W.

50.88 Point for the C.C. of secs. 33 and 34 on the N. bdy. of the township (Arizona-Utah State Bdy.)

Set the iron post 6 ins. in the ground, mound of stone with  $3\frac{1}{2}$  ft. base to top, cap mkd.

UTAH  
S33|S34  
T42N R10W  
CC  
1962

From the C.C. the 37th mile monument bears S. 89°58' W., 34.43 chs. dist.

Land, gently rolling.

Soil, gravelly.

Timber, none.

Undergrowth, moderate sagebrush.

The  $\frac{1}{4}$  sec. cor. of sec. 34 on the N. bdy. of the township is at mid-point bet. the C.Cs.

At the cor. point

Set the iron post 15 ins. in ground, mound of stone with  $3\frac{1}{2}$  ft. base to top, cap mkd.

UTAH  
 $\frac{1}{4}$  S 34  
T42N R10W  
1962

From this cor. the 38th mile monument bears N. 89°58' E., 5.55 chs. dist.

6

CHAINS

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, monumented as described in the field notes of T. 42 N., R. 10 W.

N. 0°03' W., bet. secs. 32 and 33.

Across a small canyon.

3.10 Wash, 10 lks. wide, ½ ft. deep, drains NE. for 8 chs. then N.

7.80 Slope changes to an east slope.

28.50 Wash, 20 lks. wide, ½ ft. deep, drains N. 15° E. for 4 chs., then NW.

34.60 Same wash, 20 lks. wide, 1 ft. deep, drains SW.

40.00 Point for the ¼ sec. cor. of secs. 32 and 33.

Set the iron post 8 ins. in ground, mound of stone with 3½ ft. base to top, cap mkd.

T42N R10W

¼  
S32|S33  
1962

50.91 Point for the C.C. of secs. 32 and 33, on the N. bdy. of the township (Arizona-Utah State Bdy.)

Set the iron post 6 ins. in ground, mound of stone with 3½ ft. base to top, cap mkd.

UTAH

S32|S33  
T42N R10W  
CC  
1962

From the C. C., the 36th mile monument bears S. 89°58' W., 34.63 chs. dist.

Land, gently rolling hills.

Soil, rocky.

Timber, none.

Undergrowth, moderate sagebrush and grass.

The ¼ sec. cor. of sec. 33 on the N. bdy. of the township is at mid-point bet. the C.Cs.

At the cor. point

Set the iron post 14 ins. in the ground, mound of stone with 3 ft. base to top, cap mkd.

UTAH

¼ S 33  
T42N R10W  
1962

From this cor. the 37th mile monument bears N. 89°58' E., 5.56 chs. dist.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, monumented as described in the field notes of T. 42 N., R. 10 W.

N. 0°03' W., bet. secs. 31 and 32.

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CHAINS		
	Subdivision, T. 42 N., R. 10 W., Arizona	
	Desc. gentle N. slope.	
11.00	Wash, 20 lks. wide, 1 ft. deep, drains N. 15° E. for 1 chain, then N.	
21.00	Same wash, 15 lks. wide, 1 ft. deep, drains NW. for 1 chain, then N.	
31.50	Same wash, 20 lks. wide, 1 ft. deep, drains N. 15° E.	
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.  Set the iron post 15 ins. in the ground, mound of stone with 3 ft. base to top, cap mkd.  T42N R10E ½ S31 S32 1962	
51.02	Point for the C.C. of secs. 31 and 32, on the N. bdy. of the township (Arizona-Utah State Bdy.)  Set the iron post in a mound of stone, with 4 ft. base to top, cap mkd.  UTAH S31 S32 T42N R10E CC 1962  From the C.C., the 35th mile monument bears S. 89°58' W., 34.78 chs. dist.  Land, small canyon and gullies draining N. Soil, rocky. Timber, none. Undergrowth, moderate sagebrush.	
	The ¼ sec. cor. of sec. 32 on the N. bdy. of the township is at mid-point bet. the C.Cs.  At the cor. point  Set the iron post 8 ins. in the ground, mound of stone with 3½ ft. base to top, cap mkd.  UTAH ¼ S 32 T42N R10W 1962  From this cor., the 36th mile monument bears N. 89°58' E., 5.34 chs. dist.	
	The ¼ sec. cor. of sec. 31 on the N. bdy. of the township is 40 chs. in westing from the C.C. of secs. 31 and 32.  At the cor. point	

## CHAINS

Set the iron post on solid rock, mound of stone with 4½ ft. base to top, cap mkd.

UTAH  
 ¼ S 31  
 T42N R10W  
 1962

From this cor., the 35th mile monument bears East, 5.22 chs. dist.

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 General Description
 

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The fractional township 42 North, Range 10 West varies in elevation from a high of 3,400 feet in section 32 to a low of 3,000 feet above sea level in section 34. On the average the elevation is 3,200 feet. The land is rolling hills in the eastern half of the township and tends to be the same type of land in the western half except that it is broken by many small canyons and washes.

The drainage pattern in the township is predominately north. The many small washes drain into the Fort Pearce Wash which cuts northwest across section 34, then drains west almost parallel to the north boundary of the township. There were no permanent water sources found; although the Fort Pearce Wash was running a little water at the time it is doubtful if it runs the year around.

The only man-made object in the township was the track roads in sections 35 and 36. The main use of the land is for the grazing of live stock.

There is no timber. The soil is shallow and is mixed with gravel and small stones.



CERTIFICATE OF SURVEY

We Boyd S. Owens  
X, Paul G. Bauer , HEREBY CERTIFY upon honor that,

in pursuance of special instructions bearing date of the 22 day of June , 1962 ,  
we  
X have retraced a portion of the north boundary (Arizona-Utah State Boun-  
dary) and the west boundary and surveyed the subdivisional lines of  
Township 42 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 <sup>us</sup> ~~me~~ and under <sup>our</sup> ~~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.

October 11, 1963  
(Date)

Boyd S. Owens  
(Cadastral Surveyor)

October 11, 1963  
(Date)

Paul G. Bauer  
Surveying ~~Cadastral Surveyor~~ Technician

CERTIFICATE OF APPROVAL  
Bureau of Land Management

The foregoing field notes of the retracement of a portion of the north boundary  
(Arizona-Utah State Boundary) and the west boundary and the survey of  
the subdivisional lines of Township 42 North, Range 10 West, Gila and  
Salt River Meridian, Arizona,

executed by Boyd S. Owens, Cadastral Surveyor, and Paul G. Bauer, Survey-  
ing Technician,  
having been critically examined and found correct, are hereby approved.  
Washington, D.C.

DEC 20 1963  
(Date)

E. J. Livingston  
(Chief, Division of 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.

(Date)

(Chief, Division of Engineering)