

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY OF THE SOUTH BOUNDARY

AND

SUBDIVISION OF

TOWNSHIP 42 NORTH, RANGE 7 EAST

Of the Gila and Salt River *Meridian,*

In the State of Arizona

EXECUTED BY

Glan B. Hatch Cadastral Surveyor

Fred R. Chappell Cadastral Surveyor

Craig P. Sylvester Cadastral Surveyor and Chief of Field Parties

Under special instructions dated July 3, 1961, *which provided*
for the surveys included under Group No. 362, *approved* July 3, 1961
and assignment instructions dated August 21, 1961

Survey commenced October 26, 1961

Survey completed November 8, 1961

1A

BOOK 4641

INDEX DIAGRAM

Township 42 North, Range 7 East

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Township 42 North, Range 7 East

1. B

Chains

The north boundary (the Utah-Arizona State Boundary) was surveyed by H. B. Carpenter in 1901. The east 3 miles of this boundary were retraced by Lyman E. Bolinger in 1917. The west 3 miles were retraced by Elliot Bird in 1917. The East boundary was surveyed by B. J. Kinsey in 1937. The west boundary was surveyed by D. E. Harding in 1957.

The following field notes are those of a survey of the South boundary, and subdivision of Township 42 North, Range 7 East.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 580518 and 541327, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by altitude observations on the sun. The lines were carried forward by sustained angulation, being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $36^{\circ}59'24.52''N.$ and longitude $111^{\circ}34'58.5''W.$, as adjusted from traverses to U.S.G.S. triangulation station Cedar Mountain.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $15^{\circ}00'$ East.

Survey of the South Boundary of T.42 N., R.7 E.

Beginning at the cor. of Tps. 41 and 42 N., Rgs. 7 and 8 E., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 1 and 36.

Over gently rolling sandy desert land, covered with black brush; descent 40 ft. over gentle NW. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Chains

T42N R7E

 $\frac{1}{4}$ S36
S1

T41N

1961

No accessories available.

Desc. 25 ft. over gentle NW. slope.

44.60 Wash, 3 ft. deep, 40 lks. wide, drains NE.; asc. 240 ft. over broken sandstone SE. slope.

59.70 Spur, slopes S., a white sandstone spire, about 5 chs. diam. bears N. 3 chs. dist.; desc. 160 ft. over steep W. slope.

67.60 Same wash, drains SE., asc. 290 ft. over irregular E. slope.

77.80 Small spur, slopes N.; desc. 50 ft. over NW. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Drilled an iron post, 1 in. diam., 18 ins. long, 8 ins. in sandstone and in a mound of stone to top, with brass cap mkd.

T42N R7E

S35 | S36
S2 | S1

T41N

1961

Land, rolling E. portion, broken W. portion.

Soil, sand with exposed sandstone on W. portion.

Timber, none; black brush undergrowth.

West, bet. secs. 2 and 35.

Over broken desert land, by triangulation, topography scaled from U.S.G.S. sheets. Desc. 90 ft. over NW. slope.

5.00 Small draw, drains N.; asc. 130 ft. over broken E. slope.

8.20 Top of rim, bears N. and S., irregular; asc. 50 ft. over rolling E. slope of bench.

20.30 Top of sandy rise, bears N. and S.; desc. 30 ft. along gentle S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T42N R7E

 $\frac{1}{4}$ S35
S2

T41N

1961

No accessories available.

Desc. 15 ft. along sandy S. slope.

55.40 Small wash, drains S.; asc. 10 ft. over gentle S. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T42N R7E
S34 | S35
S3 | S2
T41N
1961

No accessories available.

Land, broken E. portion, rolling W. portion:
Soil, sandy with exposed sandstone on E. portion.
Timber, none; black brush and scattered bunch grass undergrowth.

West, bet. secs. 3 and 34.

Over rolling desert bench land, covered with black brush; desc. 15 ft. along gentle S. slope.

31.00 Slope changes; asc. 15 ft. over gentle E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T42N R7E
 $\frac{1}{4}$ S34
S3
T41N
1961

No accessories available.

Asc. 85 ft. over gentle E. slope.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T42N R7E
S33 | S34
S4 | S3
T41N
1961

Raised mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high W. of cor.

Land, rolling.
Soil, sandy.
Timber, none; black brush and bunch grass undergrowth.

West, bet. secs. 4 and 33.

Over rolling desert land, asc. E. slope.

4.00 Wash, 2 ft. deep, 20 lks. wide, drains NE.; asc. 130 ft. over sandy E. slope.

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

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Chains

T42N R7E

 $\frac{1}{4}$ $\frac{S33}{S4}$

T41N

1961

No accessories available.

Desc. 45 ft. along sandy N. slope into wash.

47.70 Wash, 2 ft. deep, 30 lks. wide, drains NE.; asc. 170 ft. over irregular SE. slope.

65.20 Slope changes; asc. 290 ft. over steep and ledgy E. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T42N R7E

 $\frac{S32}{S5}$ | $\frac{S33}{S4}$

T41N

1961

Cor. falls at base of rocky knob on a point.

Land, rolling E. portion, broken and ledgy W. portion.

Soil, sand and exposed sandstone.

Timber, none; black brush undergrowth.

West, bet. secs. 5 and 32.

Over broken and ledgy desert land; asc. 55 ft. over ledgy E. slope of a knob. Enter scattered scrub juniper and pinon.

1.30 Knob on top of point which projects NE.; desc. 25 ft. over NW. slope.

5.10 Head of small draw, drains NE.; asc. 245 ft. over broken E. slope.

18.90 Top of steep ascent, bears N. and S.; asc. 50 ft. over E. slope of sandy bench land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T42N R7E

 $\frac{1}{4}$ $\frac{S32}{S5}$

T41N

1961

No accessories available.

Asc. 80 ft. over rolling E. slope.

79.20 Small wash, drains S.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

T42N R7E
 $\frac{S31}{S6} | \frac{S32}{S5}$
 T41N
 1961

Placed one large boulder W. of cor.

Land, broken E. portion, rolling W. portion.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper and pinon.
 Undergrowth, black brush and bunch grass.

West, bet. secs. 6 and 31.

Over rolling desert land; asc. 25 ft. over gentle SE. slope.

7.70 Base of rocky ascent, bears W. and curves NE.; asc. 90 ft. along S. slope.

20.30 Top of ascent on small mesa; desc. 25 ft. over sandy W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T42N R7E
 $\frac{1}{4} \frac{S31}{S6}$
 T41N
 1961

Desc. 80 ft. over sandy W. slope.

66.70 Wash, drains SE., also small stock pond. A trail road bears to the N. from this stock pond. Asc. 35 ft. over sandy E. slope.

78.80 The cor. of Tps. 41 and 42 N., Rgs. 6 and 7 E., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the 1957 survey.

Land, rolling.

Soil, sandy.

Timber, scattered juniper and pinon.

Undergrowth, black brush and bunch grass.

Subdivision of T.42 N., R.7 E.

Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Township.

N.0°01'W., bet. secs. 35 and 36.

Over broken land, across barren sandstone; desc. 180 ft. over irregular N. slope.

13.00 Small draw, drains NE., desc. 160 ft. over broken NE. slope.

20.50 Base of sandstone ledges, bear N. irregularly and curve SE.; desc. 10 ft. along sandy E. slope.

6

Chains	
24.70	Small wash; drains E.; desc. 70 ft. along E. slope.
31.10	Wash, 3 ft. deep, 30 lks. wide, drains N. 20°E. from E.; asc. 15 ft. over sandy SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T42N R7E $\frac{1}{4}$ S35 S36 1961
	Continue along sandy E. slope.
44.90	Wash, 1 ft. deep, 10 lks. wide, drains N. 30°E. Thence by traverse with topography scaled from U.S.G.S. sheets. Asc. about 160 ft. over SE. slope of sandstone spire.
51.00	Top of ascent on E. face of sandstone spire; desc. about 160 ft. over NW. slope of spire.
55.00	Base same spire; desc. over sandy NE. slope.
60.14	Point selected for the witness closing cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	UTAH W C <hr/> S35 S36 C C T42N R7E ARIZ 1961
	Continue over sandy NE. slope.
60.88	Intersect the Utah and Arizona State boundary. True point for the closing corner of secs. 35 and 36, falls in wash, which drains NE., and cannot be perpetuated. From the true point for the closing corner of secs. 35 and 36 the 135 mile post on the Utah-Arizona boundary bears West, 8.99 chs. dist., and is monumented by a stone 2' x 3' x 4', set, mkd. and witnessed as described in the official record. Land, broken. Soil, sandy. Timber, none.
	Point for the $N\frac{1}{4}$ sec. cor. of sec. 36 is on the Utah-Arizona State boundary and is midpoint between the closing corner of T.42 N., Rgs. 7 and 8 E. and the closing corner of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

Chains

UTAH

 $\frac{1}{4}$ S36
 T42N R7E
 ARIZ
 1961

No accessories available.

From this corner the 136 mile post on the Utah-Arizona boundary bears east, 31.11 chs. dist., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 2, 3, 34 and 35 on the S. bdy.

N.0°01'W., bet. secs. 34 and 35.

Over gently rolling sandy desert land; asc. 100 ft. over gentle S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

 $\frac{1}{4}$
 T42N R7E
 S34 | S35
 1961

Desc. 30 ft. over sandy N. slope.

50.60 Rim, bears E. and W. irregularly; desc. about 300 ft. over ledges facing N. by triangulation with topography scaled from U.S.G.S. sheets.

56.00 Small draw, drains N.70°W.; asc. about 100 ft. over barren SW. sandstone slope.

60.94 Intersect the Utah-Arizona state bdy. and point for the closing cor. of secs. 34 and 35.

Drilled an iron post, 1 in. diam., 16 ins. long, 8 ins. in solid sandstone, with brass cap mkd.

UTAH

 $\frac{1}{4}$
 S34 | S35
 C C
 T42N R7E
 1961

From this closing corner, the true point for the 134 mile post on the Utah-Arizona state boundary bears west, 11.06 chs. distant.

At the true point for the 134 mile post,

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

HVLM

 -134-
 ARIZ
 1961

From this mile post the original witness mile post bears East, 2.57 chs. dist. and South, 14.37 chs. dist. (record dist.) monumented

Chains

by a stone, 3' x 4' x 6', set, mkd. and witnessed as described in the official record. This witness corner was not changed.

Land, broken N. portion, rolling S. portion.
Soil, sand and exposed sandstone.
Timber, none.

Point for the $\frac{1}{4}$ sec. cor. of sec. 35 is on the Utah-Arizona state boundary and is midpoint bet. the closing corner of secs. 35 and 36, and the closing corner of secs. 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

UTAH

$\frac{1}{4}$ S35
T42N R7E
ARIZ
1961

From this $\frac{1}{4}$ sec. cor., the 135 mile post on the Utah-Arizona state boundary bears East, 31.10 chs. dist., monumented by a stone, 2' x 3' x 4', set, mkd. and witnessed as described in the official record.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy.

N.0°02'W., bet. secs. 33 and 34.

Over sandy rolling desert land; desc. 55 ft. over N. slope into small draw.

4.90 Wash in bottom of draw, 2 ft. deep, 20 lks. wide, drains N.70°E.; asc. 40 ft. over S. slope.

8.00 Sandy spur, slopes E.; desc. 120 ft. over N. slope, across exposed white sandstone.

24.00 Base of exposed sandstone, bears E. and W.; desc. 60 ft. over sandy N. slope.

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

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.

T42N R7E
 $\frac{1}{4}$
S33|S34
1961

Desc. 55 ft. over sandy NE. slope.

60.78 Intersect the Utah-Arizona state boundary and point for the closing cor. of secs. 33 and 34.

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

UTAH
S33|S34
C C
T42N R7E
ARIZ
1961

Chains

No accessories available.

From this corner, the 133 mile post on the Utah-Arizona state boundary bears S.89°49'W., 9.52 chs. distant, monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, none; black brush undergrowth.

Point for the N $\frac{1}{4}$ sec. cor. of sec. 34 is on the Utah-Arizona state boundary and is midpoint between the closing corner of secs. 34 and 35, and the closing corner of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

UTAH

$\frac{1}{4}$ S34

T42N R7E

ARIZ.

1961

From this $\frac{1}{4}$ sec. cor., the 134 mile post on the Utah-Arizona state boundary bears N.89°49'E., 28.93 chs. dist., monumented by an iron post 2 $\frac{1}{2}$ ins. diam., established during concurrent survey.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy.

N.0°03'W., bet. secs. 32 and 33.

Over broken and ledgy land; desc. 100 ft. along E. slope.

18.20 S. rim of deep draw, bears N.70°E. and S.70°W.; desc. 160 ft. over broken N. slope.

22.50 Wash in bottom of draw, drains N.70°E.; asc. 170 ft. over ledgy SE. slope.

35.10 N. rim same draw, bears NE. and SW., also spur sloping NE.; desc. 170 ft. over broken and ledgy N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T42N R7E

$\frac{1}{4}$
S32|S33

1961

Cor. falls at base of ledges facing N. in bottom of draw.

41.00 Wash in bottom of draw, drains E.; asc. 110 ft. over broken S. slope.

45.30 Point, projects E., 1 ch. to end; desc. 120 ft. over ledgy NE. slope.

52.90 Small draw, drains E.; asc. 10 ft. over SW. slope.

56.50 Spur, slopes E., desc. 75 ft. over broken N. slope.

60.60 Intersect Utah-Arizona state boundary and point for the closing

BOCK 4641

Subdivision of T.42 N., R.7 E.

10.

10

Chains

corner of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

UTAH
 S32 | S33
 C C
 T42N R7E
 ARIZ
 1961

From this closing corner, the 132 mile post on the Utah-Arizona state boundary bears S.89°54'W., 9.18 chs. distant, monumented by a stone, 2' x 2' x 3', set, mkd. and witnessed as described in the official record.

Land, broken.
 Soil, sand and sandstone.
 Timber, none.

Point for the $N\frac{1}{4}$ sec. cor. of sec. 33 is on the Utah-Arizona state boundary, and is midpoint between the closing corner of secs. 33 and 34 and the closing corner of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, over an X, and in a mound of stone to top, with brass cap mkd.

UTAH
 $\frac{1}{4}$ S33
 T42N R7E
 ARIZ
 1961

From this $\frac{1}{4}$ sec. cor., the 133 mile post on the Utah-Arizona state boundary bears N.89°54'E., 30.54 chs. distant, monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy.

N.0°03'W., bet. secs. 31 and 32.

Over slightly broken desert land; asc. 95 ft. over SE. slope.

8.40 Small spur, slopes E.; desc. 75 ft. over N. slope into small cove.

16.00 Drain in bottom of cove, drains N.80°E.; asc. 80 ft. along irregular E. slope.

37.30 Low rim, bears S. and curves NE.; thence over small top.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T42N R7E
 $\frac{1}{4}$
 S31 | S32
 1961

Continue over level mesa top.

44.10 N. rim same mesa, bears E. and curves NW.; desc. 110 ft. over

Chains

broken NE. slope.

58.80

Base of broken and ledgy descent, bears E. and curves NW.; desc. over rolling sandy N. slope.

60.38

Intersect the Utah-Arizona state boundary and point for the closing corner of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, over an X, and in a mound of stone to top, with brass cap mkd.

UTAH

S31 | S32

C C

T42N R7E

ARIZ.

1961

From this closing corner, the 131 mile post on the Utah-Arizona state boundary bears S.89°53'W., 9.20 chs. distant, monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, very scattered juniper and pinon.

Undergrowth, black brush and scattered bunch grass.

Point for the $N\frac{1}{4}$ sec. cor. of sec. 32 is on the Utah-Arizona state boundary, and is midpoint between the closing corner of secs. 32 and 33 and the closing corner of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone, over an X, and in a mound of stone to top, with brass cap mkd.

UTAH

$\frac{1}{4}$ S32

T42N R7E

ARIZ

1961

From this $\frac{1}{4}$ sec. cor., the 132 mile post on the Utah-Arizona state boundary bears N.89°53'E., 30.87 chs. distant, monumented by a stone, 2' x 2' x 3', set, mkd. and witnessed as described in the official record.

Point for the $N\frac{1}{4}$ sec. cor. of sec. 31 is on the Utah-Arizona state boundary and is at 40.00 chs. in westing from the closing corner of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.

UTAH

$\frac{1}{4}$ S31

T42N R7E

ARIZ

1961

No accessories available.

From this $\frac{1}{4}$ sec. cor., the 131 mile post on the Utah-Arizona state boundary bears N.89°53'E., 30.80 chs. distant, monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Chains

General Description

Township 42 North, Range 7 East consists mainly of broken and sandy desert land located about 12 miles west of the Glen Canyon dam. The Utah and Arizona state boundary is the North boundary of the township.

The main vegetation of the township consists of black brush and bunch grass, with scattered scrub juniper and pinon on the higher elevations.

No permanent water was noted during the survey.

The rolling and sandy portion of the township can be traveled by four wheel drive vehicle.

The elevation of the township varies from about 5600 to 4200 feet above sea level.

BLACK 4641

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Morris E. Blackburn	Notekeeper
Ferrel D. Reynolds	Chainman
Charles C. Brindley	Cornerman
Gary W. Rutledge	Notekeeper
Wallace R. Ott	Chainman
Daniel R. Bauer	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, Cadastral Surveyor, Fred R. Chappell, Cadastral Surveyor, Glen B. Hatch, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 3rd day of July, 1961,

I have surveyed the south boundary and subdivisional lines of fractional Township 42 North, Range 7 East

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said 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.

November 15, 1961

Craig P. Sylvester, Cadastral Surveyor, Fred R. Chappell, Cadastral Surveyor, Glen B. Hatch, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT, Washington, D. C., AUG 13 1962, 19

The foregoing field notes of the survey of the south boundary and subdivisional lines of fractional Township 42 N., Range 7 East, Gila and Salt River Meridian, Arizona

executed by Craig P. Sylvester, Cadastral Surveyor; Fred R. Chappell, Cadastral Surveyor, and Glen B. Hatch, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

Clark I. Lumm, Acting 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.

Cadastral Engineering Staff Officer.