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1A

BOOK 4509

INDEX DIAGRAM

Township 36 N, Range 14 W.

5	6	5	4	3	2	1
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T. 36 N., R. 14 W.

Chains

The east boundary of T. 36 N., R. 14 W., was surveyed by Claude F. Warner in 1939. The north boundary was surveyed by D. R. Averill in 1929, and the south boundary was surveyed by H. M. Muscott in 1939.

The following field notes are those of the west boundary of T. 36 N., R. 14 W.

For the test of the instruments and the methods employed, see the field notes for T. 35 N., R. 15 W.

The geographic position of the southwest cor. of the township is, latitude 36°27'42" N., longitude 113°51'25" W. The magnetic declination is 16°00' E.

Survey of the West Boundary, T. 36 N., R. 14 W.

From the cor. of Ts. 35 and 36 N., Rs. 14 and 15 W., an iron post set, marked and described in the field notes of T. 35 N., R. 14 W.

North, bet. secs. 31 and 36, along W. bdy. of T. 36 N., R. 14 W.

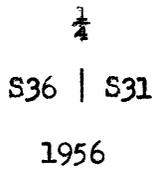
Over heavily rolling land, through scattered timber and undergrowth; asc. 65 ft. over SW. slope.

32.35 Spur, slopes SW.; desc. 50 ft. over NW. slope.

36.20 Drain, course S. 65° W.; asc. 15 ft. over SE. slope.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.

Set an iron post, 3 ft. long, 1 in. diam., 27 dns. in the ground, with brass cap marked

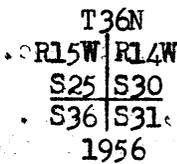


raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Asc. 20 ft. over SE. slope.

42.70 Spur, slopes SW.; rocky butte, bears SW. 4 chs. dist.; desc. 185 ft. over broken NW. slope.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to cap, with brass cap marked



Land, heavily rolling.
Soil, gravelly and rocky.
Timber, Joshua trees; undergrowth, greasewood, Spanish dagger, sagebrush, and cacti.

Survey of the West Boundary, T. 36 N., R. 14 W.

Chains	<p>North, bet. secs. 25 and 30.</p> <p>Over rolling land, through scattered timber and medium undergrowth.</p> <p>21.80 Left bank of Grand Wash, bears N. 75° E. and S. 75° W.; thence across wash.</p> <p>22.70 Main channel, 2.30 chs. wide, 2 ft. deep, drains WSW.</p> <p>28.00 Right bank of Grand Wash, .3 ft. bank, bears N. 60° E. and S. 60° W.; asc. 130 ft. over S. slope.</p> <p>37.60 Short spur, slopes S. 80° W.; thence along gradual W. slope.</p> <p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.</p>
	<p>Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock; and in a mound of stone to cap, with brass cap marked</p>
	<p style="text-align: center;">$\frac{1}{4}$</p> <p style="text-align: center;">S25 S30</p> <p style="text-align: center;">1956</p>
	<p>Continue along gradual W. slope.</p> <p>43.00 Drain, course SW.; asc. over SE. slope.</p> <p>54.00 Flat top spur, slopes SW.; thence along gradual W. slope.</p> <p>80.00 Point for the cor. of secs. 19, 24, 25, and 30.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to cap, with brass cap marked</p>
	<p style="text-align: center;">T36N R15W R14W S24 S19 S25 S30 1956</p>
	<p>Land, rolling. Soil, sandy, gravelly and rocky. Timber, Joshua trees; undergrowth, greasewood, sagebrush, Spanish dagger and cacti.</p>
	<p>North, bet. secs. 19 and 24.</p> <p>Over rolling land, through scattered timber and medium undergrowth.</p> <p>9.00 Wash, 10 lks. wide, 3 ft. deep, drains SW. for 5 chs. then S.; asc. 60 ft. over SE. slope.</p> <p>27.55 Short spur, slopes E.; desc. 35 ft. over NE. slope.</p> <p>34.60 Bend in same wash, bears E. 30 lks. dist.; wash drains SE. from N. 15° E.; asc. gradually along E. slope.</p> <p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to cap, with brass cap marked</p>

Survey of the West Boundary, T. 36 N., R. 14 W.

Chains	
	$\frac{1}{4}$ S24 S19 1956
42.30	Along gradual E. slope. Same wash, drains SE.; asc. gradually.
45.00	Point of spur, slopes W.
46.40	Same wash, drains SW.; asc. 60 ft. over SE. slope
60.00	Flat spur, slopes SW.; desc. gradually over NW. slope.
67.00	Draw, course SW.; asc. 40 ft. over gradual SE. slope.
80.00	Point for the cor. of secs. 13, 18, 19, and 24. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to cap, with brass cap marked
	T36N R15W R14W S13 S18 S24 S19 1956
	Land, rolling. Soil, shallow and rocky. Timber, Joshua trees, undergrowth, greasewood, sagebrush, Spanish dagger, and cacti.
	North, bet. secs. 13 and 18. Over rolling land, through scattered timber and undergrowth; asc. 20 ft. over gradual SE. slope.
10.00	Spur, slopes SW.; desc. gradually along W. slope.
29.20	Draw, course S. 30° W.; asc. 45 ft. over gradual SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18. Set an iron post, 3 ft. long, 1 in. diam., 7 ins. in the ground to bedrock, and in a mound of stone to cap, with brass cap marked
	$\frac{1}{4}$ S13 S18 1956
44.95	Asc. 40 ft. over gradual SE. slope. Ungraded road, bears E. and W.
49.30	Ungraded road, bears NE. to Wolf Hole and St. George, and SW. to Pakoon Springs.
50.00	Spur, slopes SW.; desc. 20 ft. over NW. slope.
63.30	Top of cliff, 75 ft. high, faces N.; bears SW. for 11 ch. dist. and E. for 2 chs. dist.; thence NE. for 5 chs.; desc. 155 ft. over cliff and NW. slope.

Survey of the West Boundary, T. 36 N., R. 14 W.

Chains

64.30 Wash, 20 lks. wide, 4 ft. deep, drains W. from NE.; asc. 115 ft. over SE. slope.

80.00 Point for the cor. of secs. 7, 12, 13, and 18.
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. firmly in the ground to bedrock, and in a mound of stone to cap, with brass cap marked

T36N
R15W | R14W

S12 | S7

S13 | S18

1956

Land, rolling.
Soil, gravelly and rocky.
Timber, Joshua trees; undergrowth, greasewood, Spanish dagger, and cacti.

North, bet. secs. 7 and 12

Over rolling land, through medium growth of timber and undergrowth.

20.00 Spur, slopes S. 20° W. from N.; asc. 55 ft. over SE. slope.

35.00 Leave spur, slopes S., from N. 15° E.; thence along N. slope.

40.00 Point for the sec. cor. of secs. 7 and 12.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. firmly in the ground, with brass cap marked

S12 | S7

1956

Continue along gradual W. slope.

49.80 Desc. 105 ft. over NW. slope.

54.50 Thence along gradual W. slope.

66.50 Wash, 20 lks. wide, 4 ft. deep, in gulch, drains SSW.; asc. 110 ft. over steep SW. slope.

80.00 Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 3 ft. long, 2 ins. diam., on outcropping of rock, X marked on rock, and in a mound of stone to cap, with brass cap marked

T36N
R15W | R14W

S1 | S6

S12 | S7

1956

Land, rolling.
Soil, gravelly and rocky.
Timber, Joshua trees; undergrowth, greasewood, Spanish dagger, and cacti.

North, bet. secs. 1 and 6.

Survey of the West Boundary, T. 36 N., R. 14 W.

Chains	Over rolling land, through scattered timber and undergrowth.
4.00	Spur, slopes S. 20° W. from NE.; desc. gradual NW. slope.
19.50	Ravine, drains S. 20° W.; asc. 135 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6. Set an iron post, 3 ft. long, 1 in. diam., 25 ins. firmly in the ground, with brass cap marked ¼ S1 S6 1956 raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Asc. 25 ft. over SE. slope.
51.00	Spur, slopes SW.; desc. 55 ft. along W. slope.
80.50	Wash, 10 lks. wide, 6 ft. deep, drains SW.; asc. 25 ft. over gradual S. slope.
83.23	Intersect Ninth Standard Parallel North. Point for the closing cor. of T. 36 N., Rs. 14 and 15 W. Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. firmly in the ground, with stone, 8x5x4 ins., marked with X and deposited at base of post, and in a mound of stone to cap, with brass cap marked T37N R14 W S31 S1 S6 R15W R14W T36N 1956 From the above point, the standard ¼ sec. cor. of sec. 31, T. 37 N., R. 14 W., bears E. 12.57 chs. dist., which is a 1 in. iron post, set, marked and described in the official record. Land, rolling. Soil, sandy, gravelly and rocky. Timber, Joshua trees; undergrowth, greasewood, sagebrush, Spanish dagger and cacti.

General Description

The land within T. 36 N., R. 14 W., is principally rolling and broken mesa with a general slope to the south towards Grand Gulch.

There is one main wash to carry the drainage from the township southwesterly which is Grand Wash. It empties into the Lake Mead approximately 12 to 15 miles south.

The soil is principally a light shallow sand with numerous outcrops of lava and malpais stone. A scattered growth of Joshua trees is found throughout the township, with an undergrowth consisting of greasewood, blackbrush, cacti, and Spanish dagger.

There is only one major ungraded road in the township that runs northeast to Poccum Wash and Hidden Canyon and SW. to Grand Gulch, Tasi, Lake Mead and the Pakoon Ranch.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Arlo P. Lloyd	Ass't instrument man
John R. Koger	Ass't instrument man
Kenneth C. Pettingill	Note Keeper
Bob Lee Brackenbury	Truck driver
Paul D. Barnes	Flagman
Rex Jr. Edwards	Flagman
Eugene Owens	Moundsman

CERTIFICATE OF CADASTRAL ENGINEER

I, George M. Boofer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 21 day of November, 1954, I have surveyed the west boundary of township 36 N., range 14 W.

of the G. & S. R. 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.

Salt Lake City, Utah
May 15, 1956

George M. Boofer
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., NOV 26 1956, 19

The foregoing field notes of the survey of the west boundary of township 36 N., range 14 W.; Gila and Salt River meridian.

executed by George M. Boofer
having been critically examined and found correct, are hereby approved.

Carl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

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