4—679
(September 1948)

BOOK 4614

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE

FIRST STANDARD PARALLEL SOUTH

THROUGH

RANGE 28 EAST,

RETRACEMENT OF A PORTION OF THE EAST BOUNDARY

AND THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 5 SOUTH, RANGE 28 EAST

Of the Gila and Salt River *Meridian,*

In the State of Arizona

EXECUTED BY

Phil D. Smith, Cadastral Surveyor

Under special instructions dated November 29, *1957*, *which provided for the surveys included under Group No.* 319, *approved* November 29, 1957 *and assignment instructions dated* December 2, *1957*

Survey commenced March 3, *1958*

Survey completed April 17, *1958*

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Township 5 South, Range 28 East

Chains

The south boundary of T. 5 S., R. 28 E. (First Standard Parallel South) was surveyed by Philip Contzen in 1895 as represented on the plat of T. 6 S., R. 28 E. approved January 23, 1897. In 1913 W. B. Kimmell retraced the east half of the south boundary of section 36 and surveyed the east boundary of the township; along with the east three miles of the north boundary and sections 2 and 3; and surveyed the west boundary of the township in 1916. The west three miles of the north boundary of the township were surveyed by C. E. Hunter in 1934. The east half of the south boundary of section 36 and the west half of the south boundary of section 31 were retraced and the south four miles of the third meridional section line and section 16 were surveyed by H. G. Parker in 1955. The south boundary of section 32 and the east half mile of the south boundary of section 31 were retraced by Ty White in 1947. Sections 3, 10, 11 and 12 were surveyed by W. H. Thorn in 1921.

The following field notes are those of a dependent resurvey of the First Standard Parallel South through R. 28 E., a retracement of a portion of the east boundary and the survey of a portion of the subdivision of T. 5 S., R. 28 E., which were requested by the State Supervisor for Arizona and was shown as being their most urgently needed surveys to facilitate range management.

This survey was executed with a W. and L. E. Gurley solar transit No. 491037 and Buff and Buff light mountain solar transit No. 23831, both transits being the property of the Bureau of Land Management and constructed in accordance with their standard specifications. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment thereafter throughout the progress of the survey.

Lines connecting previously established corners were run by the random and true method, but for simplification of the record the random lines are omitted from these field notes.

Measurements were made with a Chicago steel tape, 8 chains in length, graduated every one-tenth link for the first link and every link for the next ninety-nine links, and thereafter at intervals of every ten 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 the use of two clinometers in good adjustment; and the slope distances properly reduced to horizontal equivalents, which appear in these notes. In most cases the distances were determined by chaining, but in some instances they were obtained by triangulation and in others by traverse and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.

The directions of the lines of the survey were determined by hour angle observations on Polaris. The lines were carried forward as transit lines and checked by succeeding observations.

The geographic position of the southeast corner of the township determined through section line ties made to U. S. G. S. triangulation station Bonit, situated in section 7, T. 6 S., R. 28 E., is as follows: Latitude 32° 56' 37" North and longitude 109° 24' 11" West

The magnetic declination was read at a number of stations and the average of these readings was found to be 13° 50' East.

Dependent Resurvey of First Standard Parallel South through T. 28 E.

The original standard cor. of Tps. 5 S., Rs. 27 and 28 E., monumented by a malpais stone, set, mkd. and witnessed as described in the official record.

Dependent Resurvey of First Standard Parallel South through T. 28 E.

Chains	
	At the cor. point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	S C T5S R27E R28E S36 | S31 S 6 T6S R28E 1958
	Deposit the original cor. alongside the iron post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	N. 89° 55' E., along the S. bdy. of sec. 31.
	Over rolling mountainous land, through scattered undergrowth.
	Desc. 320 ft. over rocky rolling NE. slope.
34.80	The original standard witness ¼ sec. cor. of sec. 31, monumented by a malpais stone, set, mkd. and witnessed as described in the official record.
	At the true point for this cor. is out of limits in measurement, this witness cor. now functions as an angle point only.
	At the original cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground in a collar of stone, with brass cap mkd.
	A P T5S R28E S31 1958
	Deposit the original cor. alongside the iron post.
	Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.
	S. 89° 56' E., beginning new measurement.
1.30	Point for the standard ¼ sec. cor. of sec. 31, 200 chs. westing from the standard cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, 2 ft. base to top, with brass cap mkd.
	S C T5S R28E ¼ S31 1958
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
2.25	Bonita Creek, stream of good water, 30 lks. wide, 10 ins. deep, flows S. 20° E.; asc. 430 ft. over broken and rocky SW. slope.
3.25	True point for the closing cor. of secs. 5 and 6, T. 6 S., R. 28 E., which is witnessed S. 0° 03' E., 6.06 chs. dist., mkd. by an iron post, 2½ ins. diam., conforming to the record.
21.40	Ridge, bears N. 20° W. and S. 20° E.; desc. 375 ft. over rocky NE. slope.

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Dependent Resurvey of First Standard Parallel South through R. 28 E.

Chains	
30.20	Wash, 40 lks. wide, 2 ft. deep, drains S. 25° E.; asc. 380 ft. over rocky SW. slope.
41.30	Point for the standard cor. of secs. 31 and 32, 160 chs. westing from the standard cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. S C T5S R28E S31|S32 S 5 T6S R28E 1958 Thence, along the S. bdy. of sec. 32. Over rolling mountainous land, through scattered undergrowth. Asc. 15 ft. over SW. slope.
42.46	The original standard cor. of secs. 31 and 32, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. As this cor. is out of limits in measurement, it now functions as an angle point only. At the cor. point Over a cross (X) cut in solid rock, set an iron post, 30 ins. long, 2½ ins. diam., in a mound of stone, 4 ft. base to top, with brass cap mkd. A P T5S R28E S32 1958 Deposit the original cor. alongside the iron post. Land, rolling and mountainous. Soil, rocky. Timber, locust, hackberry, mesquite along Bonita Creek bottom. Undergrowth, scattered cacti, greasewood and moderate native grass.
	S. 89° 57' E., along the S. bdy. of sec. 32.
0.80	The ¼ sec. cor. of secs. 5, T. 6 S., R. 28 E., monumented by an iron post, 1 in. diam., conforming to the official record. Thence over rolling land.
8.75	Spur, projects S. 20° E.; desc. 215 ft. over NE. slope.
13.00	Wash, 30 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 140 ft. over SW. slope.
29.25	Spur, projects S. 25° E.; desc. 130 ft. over rocky NE. slope.
35.60	Wash, 40 lks. wide, 3 ft. deep, drains S. 15° E.; asc. 130 ft. over W. slope.

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Dependent Resurvey of First Standard Parallel South through R. 28 E.

Chains	
38.84	Point for the standard ¼ sec. cor. of sec. 32, 120 chs. westing from the standard cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. S C T5S R28E ¼ S32 1958
39.09	The original standard ¼ sec. cor. of secs. 32, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. As this cor. is out of limits in measurement it now functions as an angle point only. At the cor. point Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap; mkd. A P T5S R28E S32 1958 Deposit original cor. alongside iron post.
	S. 89° 57' E., beginning new measurement.
1.84	The closing cor. of secs. 4 and 5, T. 6 S., R. 28 E., mkd. by an iron post, 2 ins. diam., conforming to the official record. Asc. 80 ft. over rocky W. slope.
5.65	Spur, projects S.; desc. 155 ft. over rocky E. slope.
11.60	Wash, 30 lks. wide, 3 ft. deep, drains S.; asc. 265 ft. over rocky W slope.
27.75	Ridge, bears N. 15° W. and S. 15° E.; desc. 105 ft. over broken and rocky E. slope.
35.65	Draw, drains S. 20° E.; asc. 110 ft. over rocky and rolling SW. slope.
39.75	Point for the standard cor. of secs. 32 and 33, at 80.00 chs. westing from the standard cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, in a mound of stone, 3 ft. base to top, with brass cap mkd. S C T5S R28E S32 | S33 S 4 T6S R28E
	Thence along S. bdy. of sec. 33. Over mountainous land, through scattered undergrowth. Asc. 15 ft. over rocky rolling SW. slope.

Dependent Resurvey of First Standard Parallel South through R. 28 E.

Chains	
40.59	The original standard cor. of secs. 32 and 33, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. As this cor. is out of limits in measurement it now functions as an angle point only. At the cor. point Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap; mkd. AP T5S R28E S32 | S33 1958 Deposit the original cor. alongside the iron post. Land, mountainous. Soil, rocky. Timber, none. Undergrowth, scattered cacti, greasewood and moderate grass.
	East, along the S. bdy. of sec. 33.
20.35	Asc. 320 ft. over rocky rolling SW. slope.
28.00	Rut road, bears N. 10° W. and S. 10° E.; desc. 10 ft. over E. slope.
30.12	The original witness standard ¼ sec. cor. of sec. 33, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. As the true point for this cor. is out of limits in measurement, witness cor. now functions as an angle point only. At the original cor. point Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. A P T5S R28E S33 1958 Deposit the original cor. alongside the iron post.
	S. 89° 57' E., continuing measurement.
	Desc. 300 ft. over rocky E. slope.
38.16	Wash, 60 lks. wide, 4 ft. deep, drains S. 15° E.; a drill hole and temporary mining equipment and water tank bears N. 15° E., 50 lks. dist.
	Asc. 45 ft. over rocky SW. slope.
39.16	Point for the standard ¼ sec. cor. of sec. 33, 40.00 chs. westing from the standard cor. of secs. 33 and 34.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. S C T5S R28E ¼ S33 1958
	Asc. 150 ft. over rocky SW. slope.
50.96	Flat topped spur, projects S. 30° E.; desc. 120 ft. over rocky gentle NE. slope.
65.96	Draw, drains S.; asc. 120 ft. over SW. slope.
73.15	Spur, projects S.; desc. 60 ft. over SE. slope.
79.16	The original standard cor. of secs. 33 and 34, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. At the cor. point Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. S C T5S R28E S33 | S34 S 3 1958 Deposit the original cor. alongside the iron post. Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, scattered cacti, greasewood and native grasses.
	S. 89° 54' E., along the S. bdy. of sec. 34. Over mountainous land, through scattered undergrowth; desc. 30 ft. over SE. slope.
2.20	Draw, drains S.; asc. 180 ft. over SW. slope.
13.00	Rut road, on spur projecting S. 20° E.; desc. 220 ft. over broken E. slope.
28.94	The original standard witness ¼ sec. cor. of sec. 4, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. At the cor. point Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E WSC ¼ S34 1958 Deposit the original cor. alongside the iron post.

Dependent Resurvey of First Standard Parallel South through R. 28 E.

Chains	
	N. 89° 57' E., continuing measurement.
	Desc. 300 ft. over broken NE. slope.
34.50	Draw, drains S.; asc. 240 ft. over broken SW. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 34, 40 chs. easting from the standard cor. of secs. 34 and 35.
	As this point falls on unsafe ground I do not monument it.
	Asc. 290 ft. over broken SW. slope.
52.50	Spur, projects S. 20° E.; desc. 260 ft. over E. slope.
67.50	Draw, drains SE.; asc. 170 ft. over SW. slope.
75.00	Spur, projects SE.; desc. 50 ft. over NE. slope.
78.96	The original standard witness cor. of secs. 34 and 35, monumented by a malpais stone, set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E WSC S34|S35 S 2 T6S R28E 1958
	Deposit the original cor. alongside the iron post.
	Desc. 10 ft. over NE. slope.
80.00	True point for the standard cor. of secs. 34 and 35, 80 chs. easting from the standard cor. of secs. 33 and 34.
	As this point falls on unsafe ground I do not monument it.
	Land, broken mountainous. Soil, rocky clay. Timber, none. Undergrowth, scattered cacti, greasewood and native grass.
	N. 89° 57' E., along the S. bdy. of sec. 35.
	Over mountainous land, through scattered undergrowth.
	Desc. 580 ft. over broken NE. slope.
13.00	Draw, drains SE.; asc. 360 ft. over broken SW. slope.
27.00	Spur, projects S.; desc. 120 ft. over SE. slope.
31.50	Draw, drains S.; asc. 280 ft. over SW. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 35, at 120 chs. easting from the standard cor. of secs. 33 and 34.
	As this point falls on unsafe ground I do not monument it.

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Dependent Resurvey of First Standard Parallel South through R. 28 E.

Chains	
44.85	The original standard witness ¼ sec. cor. of sec. 35, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. At the cor. point Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E WSC ¼ S35 1958 Deposit the original cor. alongside the iron post. This cor. is set on top of ridge bearing SE. and NW.
	N. 89° 51' E., continuing measurement. Desc. 740 ft. over broken NE. slope.
65.00	Draw, drains S. 10° E.; asc. 400 ft. over broken W. slope.
77.00	Spur, projects S.; desc. 40 ft. over broken SE. slope.
80.00	Point for the standard cor. of secs. 35 and 36, 160 chs. easting from the standard cor. of secs. 33 and 34. As this point falls on unsafe ground I do not monument it. Land, broken mountainous. Soil, rocky clay. Timber, none. Undergrowth, scattered cacti, greasewood and native grass.

Dependent Resurvey of First Standard Parallel South through R. 28 E.

	Since a preliminary investigation of the First Standard Parallel South in sec. 36, T. 5 S., R. 28 E., indicates that this portion of the standard is out of limits in dist. and there is no subdivision in T. 5 S., R. 28 E., dependent on the original survey, I make a dependent resurvey of the S. bdy. of sec. 36, with the alignement controlled by the original cors. Reestablishment of the survey executed by Philip Contzen in 1895. S. 89° 52° E., along the S. bdy. of sec. 36. Desc. 40 ft. over broken E. slope.
1.10	Draw, drains S.; asc. 180 ft. over W. slope.
11.15	Spur, projects SE. and the original standard witness cor. of secs. 35 and 36, monumented by a malpais stone, set, mkd. and witnessed as described in the official record. At the cor. point Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

Chains	
	T5S R28E WSC S35 | S36 S 1 T6S R28E 1958
	Deposit the original cor. alongside the iron post.
	S. 89° 52' E., along the S. bdy. of sec. 36, with continuous measurement.
	Desc. 240 ft. over NE. slope.
24.00	Slope changes to N.; desc. 40 ft.
24.50	Slope changes to NE.; desc. 180 ft.
40.00	Point for the standard ¼ sec. cor. of sec. 36, 200 chs. easting from the standard cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T5S R28E ¼ S36 1960 1958
	Desc. 20 ft. over NE. slope.
41.39	The original standard ¼ sec. cor. of sec. 36, monumented by a malpais stone, set, mkd. and witnessed as described in the official record.
	As this cor. is out of limits in measurement it now functions as an angle point only.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	A P T5S R28E S36 1960 1958
	Deposit the original cor. alongside the iron post. S. 89° 52' E. with continuous measurement. Desc. 30 ft. over NE. slope.
42.59	The closing cor. of Ts. 6 S., Rs. 28 and 29 E., mkd. by an iron post, 2½ ins. diam., conforming to the record.
	Desc. 80 ft. over NE. slope.
45.40	Wash, 20 lks. wide, 3 ft. deep, in bottom of box canyon, drains SE.; asc. 220 ft. over SW. slope.
52.60	Spur, projects S.; desc. 320 ft. over SE. slope.
66.00	Right bank of Gila River, bears S. 20° W. and N. 20° E., thence across river flowing S. 20° W.
69.00	Left bank of river, bears N. 60° E. and S. 20° W., thence over river bottom land, through dense undergrowth of willows and mesquite.

Independent Resurvey, First Standard Parallel South, through R. 28 E.

Chains	
76.10	Leave bottom land; asc. 100 ft. over NW. slope.
80.99	The standard cor. of Ts. 5 S., Rs. 28 and 29 E., mkd. by an iron post, 3½ ins. diam., conforming to the record.
	Land, broken mountainous. Soil, rocky clay. Timber, none. Undergrowth, scattered cacti, greasewood and native grass, with willows and mesquite along the river bottom.
	Retracement of Portion of East Bdy. of Sec. 36, T. 5 S., R. 28 E.
	From the cor. of Ts 5 S., Rs. 28 and 29 E.
	N. 1° 00' W., bet. secs. 31 and 36.
	Desc. 100 ft. over NW. slope.
5.00	Left bank of the Gila River, bears S. 60° W. and N. 40° E., thence across river flowing S. 60° W.
8.50	Left bank of river; asc. 240 ft. over SE. slope.
20.00	Spur, projects S. 80° E.; desc. 200 ft. over broken NE. slope.
30.00	Draw, drains SE.; asc. 250 ft. over SW. slope.
40.00	Spur, projects SE., and ¼ sec. cor. of secs. 31 and 32, monumented by an iron post, 1 in. diam., conforming to the official record.
	Land, broken mountains. Soil, rocky clay. Timber, none. Undergrowth, scattered cacti, greasewood, native grasses, with willows and mesquite along the river.
	Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.
	Beginning at the true point for the standard cor. of secs. 35 and 36, T. 5 S., R. 28 E., as described. N. 0° 01' W., bet. secs. 35 and 36.
	Over broken mountainous land.
	Asc. 150 ft. by triangulation along E. slope of spur projecting S.
25.85	Ridge, bears N. 50° W. and S. 60° E.; desc. 140 ft. over steep, rocky NE. slope.
34.35	Slope changes to a broken E. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S35 | S36 1958

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	Cont. by triangulation; desc. 395 ft. along broken E. slope.
53.35	Rough, irregular wash, 20 lks. wide, 4 ft. deep, drains S. 30° E.; asc. 295 ft. over broken S. slope.
68.30	Spur, slopes E.; desc. 280 ft. over a broken N. slope.
	Thence by chaining.
77.30	Wash, 30 lks. wide, 3 ft. deep, drains S. 50° E.; asc. 75 ft. over a general rocky S. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E S26 | S25 S35 | S36 1958
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, moderate to scattered cacti, locus brush and native grasses.
	From the cor. of secs. 25, 30, 31 and 36., on the E. bdy. of the Tp., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	N. 89° 50' W., bet. secs. 25 and 36.
	Over rough, mountainous land; desc. 85 ft., by triangulation, along a general rocky S. slope.
15.60	Slope changes to SW.
24.70	Wash, 50 lks. wide, 2 ft. deep, draining S. 40° E.; asc. 265 ft. over a broken, rocky SE. slope.
33.80	Spur, projects N. 10° E., approx. 1 ch. to ledge, 60 ft. high, facing N.; thence sloping sharply, approx. 3 chs. to end; desc. 75 ft. along a broken, rocky, sharp N. slope.
39.40	Point selected for the witness ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T5S R28E ¼ W S35 C S36 1958
	Thence by chaining; desc. 15 ft. along N. slope.
40.09	True point for the ¼ sec. cor. of secs. 25 and 36 falls in wash, 10 lks. wide, 2 ft. deep, draining N. approx. 4 chs. to main wash, draining E.; asc. 450 ft. along broken sharp N. slope.
53.15	Slope changes to NE.
63.20	Spur, slopes S. 60° E.; desc. 10 ft. over rocky SW. slope.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
72.50	Wash, 10 lks. wide, 3 ft. deep, drains S. 20° W.; asc. 20 ft. along rocky S. slope.
80.18	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, locus brush, moderate native grasses.
	From the cor. of secs. 25, 26, 35 and 36.
	N. 0° 01' W., bet. secs. 25 and 26.
	Over broken mountainous land; asc. 45 ft. by triangulation, over a broken S. slope.
2.50	Spur, slopes S. 50° E.; desc. 195 ft. over broken NE. slope.
18.00	Wash, 40 lks. wide, 2 ft. deep, drains S. 50° E.; asc. 250 ft. over broken rocky SW. slope.
38.80	Spur, slopes S. 40° E.; desc. 10 ft. over broken, rocky NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 26.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E ¼ S26 | S25 1958
	Cont. to desc. 55 ft., by triangulation, over NE. slope.
60.00	Wash, 40 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 380 ft. over rocky SW. slope.
74.30	Top of ascent on S. edge of benchland, bears N. 50° W. and S. 40° E.
	Thence by chaining; asc. 5 ft. over rolling benchland and heavy native grasses.
80.00	Point for the cor. of secs. 23, 24, 25 and 26.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E S23 | S24 S26 | S25 1958
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, very scattered locus brush, moderate cacti and native grasses.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	From the cor. of secs. 19, 24, 25 and 30., on the E. bdy. of the Tp., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	West, bet. secs. 24 and 25.
	Over mountainous land.
	Asc. 460 ft., by triangulation, over E. slope of bottom land.
5.00	Leave bottom land; asc. E. slope of bluff.
10.00	Slope becomes very sharp.
18.00	Base of bluff, 100 ft. high, facing E., bears N. and S.; asc. sharp NE. slope.
20.00	Four strand barbed wire fence, bears N. and S.
22.50	Top of ascent on E. edge of benchland, bears N. 20° W. and S. 30° E.
	Thence by chaining.
	Asc. 80 ft. over rolling E. slope of benchland, heavy native grasses.
40.09	Point for the ¼ sec. cor. of secs. 24 and 25.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S24/S25 1958
	Asc. 160 ft. over rolling general E. slope of benchland, heavy native grasses.
65.00	Slope changes to SE.
80.18	The cor. of secs. 23, 24, 25 and 26.
	Land, mountainous. Soil, rocky. Timber, none. Undergrowth, moderate to heavy native grasses, moderate to scattered cacti and greasewood.
	From the true point for the standard cor. of secs. 34 and 35, on the S. bdy. of the Tp; W. C. bears S. 89° 57' W., 104 chs. dist.
	N. 0° 01' W., bet. secs. 34 and 35.
	Over broken mountainous land; desc. 310 ft., by triangulation, over broken rocky NE. slope.
22.00	Wash, 30 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 645 ft. over broken, rocky SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	T5S R28E ¼ S34 | S35 1958
	Asc. 395 ft. over SW. slope.
45.80	Spur, slopes S. 35° E.; desc. 275 ft. over a broken, rocky NE. slope.
62.00	Draw, drains S. 25° W.; asc. 300 ft. over broken, rocky SW. slope.
73.65	Spur, slopes S. 30° E.; thence by chaining; desc. 75 ft. over rocky NE. slope.
80.00	Point for the cor. of secs. 26, 27, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E S27 | S26 S34 | S35 1958
	Land, rough and mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, greasewood, locus brush and moderate native grasses.
	From the cor. of secs. 25, 26, 35 and 36.
	N. 89° 49' W., bet. secs. 26 and 35.
	Over mountainous land; asc. 30 ft. along rocky S. slope.
2.50	Wash, 10 lks. wide, 2 ft. deep, drains S. 10° E.
5.50	Short spur, projects S.; cont. to asc. 230 ft. over broken NE. slope.
26.45	Ridge, bears N. 40° W. and S. 40° E.; desc. 230 ft. over rocky, broken SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 26 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S26 S35 1958
	Cont. to desc. 20 ft. over rocky SW. slope.
40.60	Draw, drains S.; asc. 80 ft. over rocky E. slope.
46.50	Spur, slopes S.; desc. 120 ft. over rocky general W. slope.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
61.20	Wash, 20 lks. wide, 2 ft. deep, drains S. 20° E.
69.95	Same wash, drains N. 15° E. from S. 40° W.; asc. 200 ft. over broken NE. slope.
75.80	Same wash, drains S. 20° E. from N. 15° W.
80.00	The cor. of secs. 26, 27, 34 and 35.
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, locus brush, and moderate native grasses.
	From the cor. of secs. 26, 27, 34 and 35.
	N. 89° 56' W., bet. secs. 27 and 34.
	Over mountainous land; asc. 125 ft. over rocky NE. slope.
9.15	Spur, slopes S. 25° E.; desc. 370 ft., by triangulation, over rocky SW. slope.
20.00	Draw, drains S. 20° E.; asc. 215 ft. over broken, rocky NE. slope.
39.10	Top of ascent; thence across spur top sloping S. 15° E.
39.93	Point for the ¼ sec. cor. of secs. 27 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T5S R28E ¼ S27/S34 1958
	Cont. across spur top.
45.70	Leave spur; desc. 300 ft. over rocky SW. slope.
60.00	Wash, 20 lks. wide, 4 ft. deep, drains S. 25° E.; asc. 325 ft. over rocky NE. slope.
73.00	Spur, slopes S. 20° E.; thence by chaining; desc. 100 ft. over broken, rocky general SW. slope.
79.86	The cor. of secs. 27, 28, 33 and 34, monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, greasewood, locus brush, moderate native grasses.
	From the cor. of secs. 26, 27, 34 and 35.
	N. 0° 01' W., bet. secs. 26 and 27.
	Over mountainous land; desc. 60 ft. over rocky NE. slope.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
1.75	Wash, 30 lks. wide, 4 ft. deep, drains S. 50° E.; asc. 50 ft. along rocky, general W. slope.
17.55	Spur, slopes S. 15° E.; desc. 30 ft. along rocky, general E. slope.
40.00	Point for the ¼ sec. cor. of secs. 26 and 27.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T5S R28E ¼ S27 | S26 1958
	Cont. to desc. 30 ft. over E. slope.
46.00	Draw, drains S. 25° E.; asc. 155 ft. over rocky SW. slope.
58.30	Top of ascent on spur, slopes S. 10° E.; cont. to asc. 35 ft. over shoulder of spur on E. slope.
66.30	High point of ascent on shoulder of spur; desc. 45 ft. over rocky E. slope.
79.60	Point selected for the witness cor. of secs. 22, 23, 26 and 27.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E W C S22 | S23 S27 | S26 1958
80.00	True point for the cor. of secs. 22, 23, 26 and 27, falls in a wash, 15 lks. wide, 3 ft. deep, draining S. 20° E., where it is impractical to set the monument. Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, locus brush, moderate native grasses.
	From the cor. of secs. 23, 24, 25 and 26.
	N. 89° 57' W., bet. secs. 23 and 26.
	Over mountainous land; asc. 10 ft. over rolling benchland and a general SE. slope.
4.00	Slope changes to SW.; desc. 5 ft.
8.00	W. edge of benchland, bears N. 25° W. and S. 25° E.; thence by triangulation; desc. 350 ft. over broken, rocky SW. slope.
22.00	Wash, 40 lks. wide, 4 ft. deep, drains S. 20° E.; asc. 175 ft. over rocky NE. slope.
38.80	Spur, slopes S. 25° E.
40.00	Point for the ¼ sec. cor. of secs. 23 and 26.

Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E ¼ S23/S26 1958 Cont. by triangulation; asc. 235 ft. to the sec. cor., over a series of spurs and washes sloping and draining SE.
49.00	Wash, 30 lks. wide, 4 ft. deep, drains S. 15° E.
60.00	Spur, slopes S. 15° E.
80.00	The true point for the cor. of secs. 22, 23, 26 and 27. Land, rough and mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti and moderate native grasses.
	From the true point for the cor. of secs. 22, 23, 26 and 27. S. 89° 56' W., bet. secs. 22 and 27. Over mountainous land; asc. 455 ft. over rocky E. slope.
16.85	Spur, slopes S. 30° E.; desc. 430 ft. over rocky, general W. slope.
29.45	Wash, 40 lks. wide, 2 ft. deep, drains S. 15° E.; asc. 350 ft. over rocky E. slope.
39.91	Point for the ¼ sec. cor. of secs. 22 and 27. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T5S R28E ¼ S22/S27 1958 Asc. 190 ft. by triangulation, over a rocky E. slope.
50.45	Spur, slopes S. 20° E.; desc. 305 ft. over broken SW. slope.
59.60	Wash, 30 lks. wide, 3 ft. deep, drains N. 35° W.; asc. 200 ft. over a broken rocky NE. slope.
67.75	Spur, slopes N. from S. 10° W.; desc. 195 ft. over rocky NW. slope.
79.82	Intersect the third meridional section line at the true point for the cor. of secs. 21, 22, 27 and 28, from which its witness cor. bears S. 0° 02½' E., 0.42 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record. Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, locus brush and moderate native grasses.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	From the standard cor. of secs. 32 and 33, monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as hereinbefore described.
	N. 0° 02' W., bet. secs. 32 and 33.
	Over mountainous land; asc. 265 ft. over broken SW. slope.
21.95	Rut road, bears N. 30° W. and S. 60° E.
22.00	Ridge, bears N. 25° W. and S. 25° E.; desc. 95 ft. over rocky NE. slope.
23.90	Four strand barbed wire fence, bears N. 45° W. and S. 45° E.
29.30	Wash, 35 lks. wide, 2 ft. deep, drains S. 30° E.; thence over rolling land.
29.60	Same road, bears N. 45° E. and S. 45° W.
31.75	Same road, bears S. 65° E. and N. 65° W., approx. 10 chs. to end; asc. 100 ft. over rocky SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E ¼ S32 | S33 1958
	Cont. to asc. 5 ft.
40.50	Spur, slopes S. 35° E.; thence by triangulation; desc. 120 ft. over rocky NE. slope.
57.00	Wash, 30 lks. wide, 1 ft. deep, drains S. 30° E.; asc. 235 ft. over rocky SW. slope of spur sloping S. 35° E.
70.20	Slope changes to W.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T5S R28E S29 | S28 S32 | S33 1958
	Land, mountainous. Soil, rocky. Timber, scattered juniper. Undergrowth, scattered locus brush, cacti and moderate native grasses.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	From the cor. of secs. 27, 28, 33 and 34, hereinbefore described.
	S. 89° 53' W., bet. secs. 28 and 33.
	Over mountainous land; desc. 175 ft. over rocky SW. slope.
10.40	Wash, 25 lks. wide, 4 ft. deep, drains S. 15° E.; asc. 85 ft. over rocky NE. slope.
23.10	Ridge, bears N. 15° W. and S. 15° E.; desc. 205 ft. over rocky, general W. slope.
35.10	Wash, 40 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 65 ft. over rocky, broken NE. slope.
39.94	Point for the ¼ sec. cor. of secs. 28 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S28/S33 1958
	Cont. to ascend 390 ft. over broken, rocky NE. slope.
55.50	Spur, slopes S. 25° E.; desc. 220 ft. over rocky SW. slope.
64.15	Wash, 10 lks. wide, 3 ft. deep, drains S.; asc. 200 ft. over rocky E. slope.
72.80	Spur, slopes S. 5° E.; desc. 90 ft. over W. slope.
79.88	The cor. of secs. 28, 29, 32 and 33.
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, very scattered yellow brush, locus brush, moderate cacti and native grasses.
	From the cor. of secs. 28, 29, 32 and 33.
	N. 0° 02' W., bet. secs. 28 and 29.
	Over mountainous land; asc. 125 ft. along rocky, rolling W. slope.
8.10	Slope changes to SW.
16.70	Spur, slopes S. 10° E.; desc. 10 ft. over rocky NE. slope.
21.25	Thence by triangulation; desc. 175 ft. over NE. slope.
31.00	Wash, 35 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 320 ft. over broken SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 28 and 29.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Chains	
	T5S, R28E ¼ S29 | S28 1958
	Cont. to asc. 505 ft., by triangulation, over broken, rocky SW. slope.
54.50	Spur, slopes S. 15° E.
	Thence by chaining; desc. 155 ft. over rocky NE. slope.
61.20	Draw, drains S. 15° E.; asc. 135 ft. over rocky, general S. slope.
66.00	Spur, slopes S. 15° E.; desc. 200 ft. along rocky NE. slope.
80.00	Point for the cor. of secs. 20, 21, 28 and 29.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E S20 | S21 S29 | S28 1958
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper, N. ½ mile. Undergrowth, scattered cacti, locus brush and moderate native grasses.
	From the true point for the cor. of secs. 21, 22, 27 and 28, which is witness S. 0° 02' E., 0.42 chs. distt. by an iron post previously described. N. 89° 53' W., bet. secs. 21 and 28.
	Over mountainous land; desc. 85 ft., by triangulation, over rocky NW. slope.
2.10	Wash, 40 lks. wide, 2 ft. deep, drains S. 15° E.; asc. 560 ft. over rocky, general E. slope.
21.55	Spur, slopes S. 20° E.; desc. 400 ft. over rocky, general W. slope.
39.00	Wash, 30 lks. wide, 2 ft. deep, drains S. 25° E.; asc. 25 ft. over rocky NE. slope.
39.98	Point for the ¼ sec. cor. of secs. 21 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S21 S28 1958
	Asc. 140 ft. over NE. slope.
51.95	Spur, slopes S. 20° E.; desc. 310 ft. over rocky SW. slope.
67.00	Wash, 40 lks. wide, 4 ft. deep, drains S. 20° E.; asc. 255 ft. over rocky NE. slope.
79.96	The cor. of secs. 20, 21, 28 and 29.
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper; undergrowth, scattered cacti, locus brush and moderate native grasses.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	From the cor. of secs. 20, 21, 28 and 29.
	N. 0° 11' W., bet. secs. 20 and 21.
	Over rolling mountainous land; desc. 55 ft. along a rocky NE. slope.
6.00	Draw, drains S. 25° E.; asc. 60 ft. over rocky SW. slope.
11.10	Spur, slopes S. 35° E.; desc. 120 ft. over rocky NE. slope.
16.10	Draw, drains S. 20° E.; asc. 120 ft. over rocky SW. slope.
23.60	Spur, slopes S. 20° E.; desc. 100 ft. along rocky NE. slope.
32.00	Slope changes to E.
40.055	Point for the ¼ sec. cor. of secs. 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S20 | S21 1958
	Asc. 115 ft. along rolling E. slope.
55.35	Wash, 50 lks. wide, 2 ft. deep, drains E.; approx. 5 chs., thence S. 15° E.
	Asc. 485 ft. over rocky SW. slope to sec. cor.
80.11	The cor. of secs. 16, 17, 20 and 21, mkd, by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in official record. Land, mountainous. Soil, rocky. Timber, scattered scrub juniper. Undergrowth, scattered oakbrush, cacti and moderate native grasses.
	From the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over mountainous land; asc. 65 ft. over rolling SW. slope.
18.90	Spur, slopes S. 30° E.; desc. 55 ft. over rocky NE. slope.
27.55	Wash, 30 lks. wide, 4 ft. deep, drains S. 25° E.; asc. 135 ft. over rocky rolling SW. slope of ridge.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S31 | S32 1958

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4—673 b

BOOK 4614

Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	Spur,
40.30	Spur, slopes S. 30° W.; cont. to asc. 580 ft. over rocky, rolling SW. slope of ridge.
62.00	Slope becomes very steep.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
80.00	Point for the cor. of secs. T5S R28E 30 29 31 32. Set an iron post 1958 Land, mountainous. Soil, rocky. Timber, none. Undergrowth, scattered cacti, greasewood, some oak, and moderate native grasses.
	From the cor. of secs. 28, 29, 32 and 33. S. 89° 59' W., bet. secs. 29 and 32. Over mountainous land; by triangulation; asc. 460 ft. to the ¼ sec. cor., over a series of rolling to broken spurs and washes sloping and draining SE.
18.00	Wash, 30 lks. wide, 3 ft. deep, drains S. 30° E.
21.50	Spur, slopes S. 30° E.
32.65	Wash, 30 lks. wide, 4 ft. deep, drains S. 25° E.
39.98	Point for the ¼ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E ¼ S29 S32 1958 By triangulation; asc. 250 ft. over rocky NE. slope.
47.20	Spur, slopes S. 35° E.; desc. 175 ft. over rocky SW. slope.
51.65	Wash, 40 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 225 ft. over rocky NE. slope.
70.95	Ridge, bears N. 20° W. and S. 25° E.; desc. 140 ft. over rocky SW. slope.
79.96	The cor. of secs. 29, 30, 31 and 32. Land, rough and mountainous. Soil, rocky. Timber, very scattered scrub juniper, E. ½ mile. Undergrowth, scattered cacti, locus brush, oak brush and moderate native grasses.

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BOOK 409

Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	N. 89° 59' W., bet. secs. 30 and 31.
	Over mountainous land; desc. 395 ft., by triangulation, over a rocky SW. slope to ¼ sec. cor.
12.00	Wash, 40 lks. wide, 2 ft. deep, drains S. 15° E.
30.80	Spur, slopes S.
40.00	Point for the ¼ sec. cor. of secs. 30 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S30/S31 1958
	Cont. to desc. 130 ft., by triangulation to sec. cor.
49.00	Wash, 35 lks. wide, 3 ft. deep, drains S.
59.00	Thence over rolling benchland, general E. slope.
75.86	The cor. of secs. 25, 30, 31 and 36, Tps. 5 S., Rs. 27 and 28 E., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, mountainous. Soil, rocky. Timber, none. Undergrowth, scattered cacti, greasewood, moderate native grasses.
	From the cor. of secs. 29, 30, 31 and 32.
	N. 0° 03' W., bet. secs. 29 and 30.
	Over mountainous land; asc. 355 ft. over rocky SW. slope.
33.00	Ridge, bears N. 20° W. and S. 10° E.; thence across rocky ridge top.
40.00	Point for the ¼ sec. cor. of secs. 29 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T5S R28E ¼ S30|S29 1958
	Cont. across rocky ridge top.
42.35	Ridge top, bears N. 20° E. and S. 20° W.; approx. 10 chs., thence SE.
47.55	Desc. 505 ft., by triangulation, over a rocky NW. slope to sec. cor.
72.00	Draw, drains S. 30° W.; asc. 165 ft. over rocky SE. slope.
80.00	Point for the cor. of secs. 19, 20, 29 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	T5S R28E S19 | S20 S30 | S29 1958 Cor. is located on spur top sloping S. 35° W. Land, mountainous. Soil, rocky. Timber, scattered scrub juniper. Undergrowth, scattered cacti, yellow brush, very scattered oak and locus brush and moderate native grasses.
	From the cor. of secs. 20, 21, 28 and 29. N. 89° 56' W., bet. secs. 20 and 29. Over mountainous land; asc. 350 ft. over rocky, broken NE. slope.
15.20	Spur, slopes S. 35° E.; desc. 425 ft. over rocky, SW. slope of cove.
18.90	Thence by triangulation.
31.00	Wash in cove bottom, drains S. 30° E.; asc. 25 ft. over rocky steep E. slope.
40.00	Point for the ¼ sec. cor. of secs. 20 and 29. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T5S R28E ¼ S20 S29 1958 Cont. to asc. 425 ft., by triangulation, over E. slope.
58.95	Ridge, bears N. 25° E. and S. 25° W.; desc. 330 ft. over rocky, broken general W. slope; thence by chaining.
64.50	Wash, 30 lks. wide, 3 ft. deep, drains S. 30° W.; slope changes to NW.
76.55	Spur, slopes S. 60° W.; cont. to desc. 15 ft. over rocky, broken, general NW. slope.
80.00	The cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper. Undergrowth, scattered cacti, yellow brush, moderate native grasses.
	N. 89° 56' W., bet. secs. 19 and 30. Over mountainous land; desc. 625 ft. over rocky NW. slope.
33.30	Wash, 40 lks. wide, 2 ft. deep, drains S. 10° W.; asc. 70 ft. over rocky SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 19 and 30. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Survey of a Portion of the Subdivision of T. 5 S., R. 28 E.

Chains	
	T5S R28E ¼ S19/S30 1958
	Cont. to asc. 40 ft. over rocky SE. slope.
50.95	Spur, slopes S. 40° W.; desc. 60 ft. over rocky NW. slope.
66.00	Thence across rolling benchland; cont. to desc. 105 ft. over slight, rocky general W. slope.
75.84	Intersect W. bdy. of Tp.
	The cor. of secs. 19, 24, 25 and 30, Tps. 5 S., Rs. 27 and 27 E., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, mountainous. Soil, rocky. Timber, very scattered scrub juniper, E. ½. Undergrowth, scattered cacti, greasewood and native grasses.

General Description

The land within the area surveyed in T. 5 S., R. 28 E. is principally rough and mountainous, with the general elevation ranging from approximately 3500 feet to 5500 feet above sea level. The soil is shallow, being gravelly and rocky. The entire township is covered with rock.

There is a scattered growth of scrub juniper and scattered undergrowth throughout the area surveyed.

The predominant interest in this township is in stock grazing; however, the area for grazing is rough and rocky, with rainfall sufficient only for a moderate growth of native grasses. There were no stock reservoirs or earth tanks noted.

There is a deserted and partially decayed line shack in the center northeast portion of section 26; no other form of habitation or edifice is to be found in the area surveyed.

There is one rut road entering the township in the southwest portion of section 33 and ending approximately 40 chains northwest. The only other mode of travel is by horseback.

At the present time there is limited mining activity in the northwest portion of T. 6 S., R. 28 E., which may possibly develop over into the southwest portion of this township.

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(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Lacel E. Bland	Principal Assistant
Max E. Swindle	Notekeeper
LaVern Griffin	Front Chainman
Parley Pratt	Flagman
Alburn D. Griffin	Cornerman

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27

BOOK 4614

CERTIFICATE OF CADASTRAL ENGINEER

I, Phil D. Smith, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 29th day of November, 1957, I have ~~surveyed~~ dependently resurvey the First Standard Parallel South through R. 28 E., retraced a portion of the east boundary and surveyed a portion of the subdivision of T. 5 S., R. 28 E.

of the Gila & 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.

Salt Lake City, Utah

September 23, 1960

Phil D. Smith
Phil D. Smith
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JAN 3 1962, *19*

The foregoing field notes of the ~~survey of~~ dependent and independent resurvey of the First Standard Parallel South through R. 28 E., retracement of a portion of the east boundary and survey of a portion of the subdivision of T. 5 S., R. 28 E., Gila and Salt River Meridian, Arizona

executed by Phil D. Smith, Cadastral Surveyor

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

E. E. Lemmon
~~Cadastral Engineering Staff Officer,~~
Chief, Division of Engineering

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 5 S., R. 28 E., G&SRM., Ariz., is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

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