Book 5681

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY OF

THE SOUTH, EAST

AND

NORTH BOUNDARIES,

AND

THE SUBDIVISIONAL LINES,

TOWNSHIP 31 NORTH, RANGE 23 EAST,

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

EXECUTED BY

Leonard R. Sandoval, Cadastral Surveyor

Under Special Instructions dated and approved August 14, 2000, which provided for the surveys included under Group Number 855 and assignment instructions dated August 14, 2000.

Survey Commenced November 29, 2000
Survey Completed December 27, 2000

INDEX DIAGRAM

TOWNSHIP 31 NORTH, RANGE 23 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

21 6 69	20 5 55	18 4 46	17 3 38	17 2 29	16 1 15
68 7 66	67 8 53	54 9 44	45 10 36	37 11 27	28 12 14
66 18 64	65 17 52	53 16 43	44 15 34	35 14 26	27 13 13
63 19 61	62 20 50	51 21 41	42 22 33	34 23 24	25 24 12
61 30 58	59 29 48	49 28 40	41 27 31	32 26 23	24 25 11
57 31 56 9	57 32 46 8	47 33 38 7	39 34 30 6	31 35 21 5	22 36 10 4

T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of the south, east and north boundaries, and the subdivisional lines, Township 31 North, Range 23 East, Gila and Salt River Meridian, Arizona.

The south boundary of T. 29 N., R. 24 E., identical with the Seventh Standard Parallel North, through R. 24 E., was surveyed by William F. Olver and Daniel N. Patterson in 1989. The east boundary of Township 31 North, Range 22 East was surveyed by Jones Curtiss, in 2000, concurrently under this same group.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated August 14, 2000, for Group No. 855, Arizona.

The true meridian directions and lengths of all lines were determined by real time kinematic and static global positioning system observations using Trimble 4400 and 4700 model receivers.

Geodetic control was derived from first order or better U. S. Coast and Geodetic Survey triangulation stations "BEAUTIFUL 1951" and "KEAMS 1951", and verified by a direct tie to first order U. S. Coast and Geodetic Survey triangulation station "LOHALI 1951", as published by the National Geodetic Survey. NAD83(1992). The geographic position of the southeast corner of the township is as follows:

Latitude: 36°02'29.38" N. Longitude: 109°48'53.67" W.

The mean magnetic declination is 11 3/4° E.

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Beginning at the point for the cor. of Tps. 30 and 31 N., Rs. 23 and 24 E., established at 12 miles, (960.00 chs.), North of the stan. cor. of Tps. 29 N., Rs. 23 and 24 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd., SC T29N R23E R24E S36 S31 1989. from which the original bearing object The chisel marks X BO, on a sandstone outcrop, 4 x 2 x 2 1/2 ft. high, bear N. 43 1/2° E., 22 lks. dist. There is no remaining evidence of Electronic Control Point 14 set in 1989. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E | R24E S36 | S31 ———|——— S 1 | S 6 T30N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. From this cor. point, a rebar, 5/8 in. diam., firmly set, projecting 1 in. above ground, bears S. 58°19′ W., 1.58 chs. dist., with a red plastic cap mkd. ONLA. West, bet. secs. 1 and 36. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S36 1/4 —— S 1 T30N 2000

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 2.70 chs. E. of a wash, 20 ft. wide, 12 ft. deep, drains NNE.
50.10	Power line, bears NE and SW.
51.20	Apache County Road C439, a graded road, 24 ft. wide, bears NE and SW.
78.20	Wash, 12 ft. wide, 30 ft. deep, drains NNE.
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in sandstone bedrock, in a mound of stone, 2 ft. base, to top, with brass cap mkd. T31N R23E S35 | S36 ---+--- S 2 | S 1 T30N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 2 and 35. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S35 1/4 —— S 2 T30N 2000

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
68.50	Trail road, bears NNE and SSW.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S34 | S35 S 3 | S 2 T3ON 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 3 and 34.
	Over rolling and broken land.
9.80	Wash, 15 ft. wide, 20 ft. deep, drains ENE.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S34 1/4 —— S 3 T3ON 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S33 | S34 S 4 | S 3 T30N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 4 and 33. Over rolling land, across a small valley.
15.77	The NW cor. of a Methodist Church, a wood framed building, 56 x 26 ft., bears South, 2.76 chs. dist., long side bears E.
17.36	The NW cor. of Delaware Hall, a wood framed building, 52 x 41 ft., bears South, 3.67 chs. dist., long side bears S.
30.40	Navajo Route 25, a graded road, 20 ft. wide, bears N. and S.
33.10	Power line, bears N. and S.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S33 1/4 —— S 4 T30N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Thence over rolling and broken land, leaving a valley.
68.00	Apache County Road C419, a graded road, 20 ft. wide, bears NNE and SSW.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T31N R23E S32 | S33 S 5 | S 4 T30N 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 5 and 32.
	Over rolling and broken land.
4.90	Wash, 15 ft. wide, 10 ft. deep, drains NNW.
5.50	Power line, bears N. and S.
7.53	The SE cor. of a stuccoed house, 23 x 16 ft., bears North, 67 lks. dist., long side bears N.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S32 1/4 S 5 T30N 2000

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 5, 6, 31 and 32. Set a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case, 24 ins. below the surface of the ground. from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 45°00′ E., 45.0 ft. dist., with brass cap mkd. T31N R23E S32 RM 45.0 FT TO COR 2000 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 45°00′ E., 45.0 ft. dist., with brass cap mkd. T30N R23E S5 RM 45.0 FT TO COR 2000 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located in a wash, 4 ft. wide, 5 ft. deep, drains NW; 1.70 chs. E. of a wash, 10 ft. wide, 5 ft. deep, drains N. Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 6 and 31. Over broken land, across N. slope of Balakai Mesa.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 31. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S31 1/4 —— S 6 T30N 2000

Survey of the South Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
78.93	The cor. of Tps. 30 and 31 N., Rs. 22 and 23 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the south boundary, T. 31 N., R. 22 E., executed concurrently under this same group.
	Land, broken. Soil, sandy and gravelly clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	Survey of the East Boundary, T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona
	From the cor. of Tps. 30 and 31 N., Rs. 23 and 24 E., hereinbefore described.
	North, bet. secs. 31 and 36.
	Over rolling land, on descent into Cottonwood Wash valley.
39.30	Wash, 5 ft. wide, 1 ft. deep, drains NE.
40.00	Point for the 1/4 sec. cor. of secs. 31 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E R24E 1/4 S36 | S31 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 80 lks. S. of a trail road, bears ENE and WSW.
	Thence over gently rolling land, in Cottonwood Wash valley.
64.60	Apache County Road C439, a graded road, 25 ft. wide, bears NE and SW.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.

Survey of the East Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E | R24E S25 | S30 S36 | S31 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling to gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	North, bet. secs. 25 and 30. Over gently rolling land, in Cottonwood Wash valley.
37.80	Trail road, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 30. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E R24E 1/4 S25 | S30 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
76.19	Navajo Route 4, asphalt pavement, 22 ft. wide, bears E. and W.
78.50	Power line, bears E. and W.
80.00	Point for the cor. of secs. 19, 24, 25 and 30. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the East Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E | R24E S24 | S19 S25 | S30 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. From this cor. point, a third order U. S. Geological Survey benchmark, bears S. 84°00′ W., 16.16 chs. dist., monumented with a standard aluminum tablet, 3 1/2 ins. diam., set flush in a concrete collar, 6 ins. square, firmly set, projecting 5 ins. above ground, with top mkd. 18 DOR 5948 1972. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	North, bet. secs. 19 and 24. Over gently rolling land, in Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 24. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E R24E 1/4 S24 | S19 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 13, 18, 19 and 24. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the East Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E | R24E S13 | S18 S24 | S19 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	North, bet. secs. 13 and 18. Over nearly level land, in Cottonwood Wash valley.
12.80	Cottonwood Wash, 12 ft. wide, 4 ft. deep, drains ENE.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 18. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E R24E 1/4 S13 | S18 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 7, 12, 13 and 18. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E | R24E S12 | S 7 S13 | S18 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the East Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	North, bet. secs. 7 and 12. Over gently rolling land, on gradual ascent from Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E R24E 1/4 S12 | S 7 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
46.99	A T-rail, firmly set, projecting 24 ins. above ground, bears West, 1.46 chs. dist., mkd. PT 578+52.57 on a side.
47.33	Navajo Route 251, asphalt pavement, 22 ft. wide, bears ESE and WNW.
80.00	Point for the cor. of secs. 1, 6, 7 and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E | R24E S 1 | S 6 S12 | S 7 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located on the NE slope of a small hill. Land, gently rolling. Soil, sandy and gravelly clay. No timber; scattered brush and native grasses.

Survey of the East Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	North, bet. secs. 1 and 6.
	Over rolling and broken land, on ascent of S. slope of Lohali Mesa.
36.85	Trail road, bears NE and SW.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 6.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E R24E 1/4 S 1 | S 6 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
53.60	High voltage transmission line, bears ENE and WSW.
80.00	Point for the cor. of Tps. 31 and 32 N., Rs. 23 and 24 E.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in sandstone bedrock, with brass cap mkd.
	T32N R23E | R24E S36 | S31 S 1 | S 6 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located on S. edge of a wash, 3 ft. wide, 3 ft. deep, drains W. in curve to right.
	From this cor. point, first order U. S. Coast and Geodetic Survey triangulation station, "LOHALI 1951", bears N. 6°47′ W., 105.01 chs. dist., monumented with a standard brass tablet, 3 1/2 ins. diam., cemented in place in sandstone bedrock, with partially defaced top mkd. LOHALI 1951.

Survey of the East Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, rolling and broken. Soil, sandy and gravelly clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.

Survey of the North Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

	From the cor. of Tps. 31 and 32 N., Rs. 23 and 24 E., hereinbefore described. West, bet. secs. 1 and 36. Over broken land, across S. slope of Lohali Mesa.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S36 1/4 —— S 1 T31N 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S35 | S36 ———+——— S 2 | S 1 T31N 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Survey of the North Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, broken. Soil, sandy and gravelly clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 2 and 35.
	Over rolling and broken land, across S. slope of Lohali Mesa.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S35 1/4 —— S 2 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S34 | S35 S 3 | S 2 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located on E. slope of a narrow spur ridge, bears NE and SW; which is on E. edge of a small valley.
	Land, rolling and broken. Soil, sandy and gravelly clay. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 3 and 34.

Survey of the North Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over nearly level land, across a valley.
13.97	Navajo Route 251, asphalt pavement, 24 ft. wide, bears N. and S.
35.60	Wash, 20 ft. wide, 15 ft. deep, drains WSW.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T32N R23E S34 1/4 —— S 3 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T32N R23E S33 | S34 —————— S 4 | S 3 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	West, bet. secs. 4 and 33.
	Over nearly level land, across a valley.
6.50	Base of W. slope of a valley, bears ENE and WSW; thence over broken land, on ascent.
13.30	W. rim of same valley, bears NNE and SSW; thence over rolling land, atop a mesa.

Survey of the North Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
36.80	Navajo Route 251, asphalt pavement, 24 ft. wide, bears NE and SW.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S33 1/4 —— S 4 T31N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.
42.22	The SE cor. of a concrete block house, 34 x 28 ft., bears North, 61 lks. dist., long side bears NNE.
43.17	The SE cor. of a church, a wood framed building, 48 x 28 ft., bears North, 1.70 chs. dist., long side bears WNW.
43.80	The SE cor. of E. extension on a wood framed hexagonal hogan, bears North, 84 lks. dist., sides bear NNE and W.
76.20	W. rim of a mesa, bears NNE and SSW; thence over broken land, on descent into a canyon.
80.00	Point for the cor. of secs. 4, 5, 32 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S32 | S33 —————— S 5 | S 4 T31N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, broken and rolling. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.

Survey of the North Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	West, bet. secs. 5 and 32.
	Over broken land, on descent into a small valley.
6.00	Apache County Road C438, a graded road, 20 ft. wide, bears NNE and SSW, at E. edge of a small valley; thence over rolling land, across a small valley.
24.10	Trail road, bears N. and S., at W. edge of same valley; thence over broken and rolling land, across a ridge.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S32 1/4 —— S 5 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.05 chs. E. of a trail road, bears SE and NW.
	Thence over rolling to broken land, across a small valley.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S31 | S32 ——|—— S 6 | S 5 T31N 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the North Boundary,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, rolling and broken. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 6 and 31. Over rolling and broken land, across ridges.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 31. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T32N R23E S31 1/4 —— S 6 T31N 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Thence over rolling land, on ascent along a small valley.
78.40	The cor. of Tps. 31 and 32 N., Rs. 22 and 23 E., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the east boundary, T. 31 N., R. 22 E., executed concurrently under this same group. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	Survey of the Subdivisional Lines, T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona
	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., hereinbefore described. N. 0°01′ W., bet. secs. 35 and 36. Over rolling and broken land.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	Point for the 1/4 sec. cor. of secs. 35 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S35 | S36 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located on S. slope of a low spur ridge, bears E. and W.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S26 | S25 S35 | S36 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., hereinbefore described. West, bet. secs. 25 and 36. Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S25 1/4 —— S36 2000
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Thence over broken and rolling land, across a ridge.
80.00	The cor. of secs. 25, 26, 35 and 36.
	Land, rolling and broken. Soil, sandy clay. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 25 and 26.
	Over rolling land, on gradual descent.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S26 | S25 2000
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
75.17	Navajo Route 4, asphalt pavement, 25 ft. wide, bears E. and W.
77.70	Power line, bears E. and W.
80.00	Point for the cor. of secs. 23, 24, 25 and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S23 | S24 ——|—— S26 | S25 2000

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. From this cor. point, a third order U. S. Geological Survey benchmark, bears S. 73°02′ W., 21.94 chs. dist., monumented with a standard aluminum tablet, 3 1/2 ins. diam., set flush in a concrete collar, 6 ins. square, firmly set, projecting 2 ins. above ground, with top mkd. 17 DOR 6037 1972. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., hereinbefore described. West, bet. secs. 24 and 25. Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 24 and 25. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S24 1/4 —— S25 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 1.90 chs. N. of a power line, bears E. and W.
80.00	The cor. of secs. 23, 24, 25 and 26. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 23 and 24. Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 24.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S23 | S24 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 95 lks. S. of a trail road, bears ENE and WSW. Thence over nearly level land, in Cottonwood Wash valley.
43.90	Wash, 10 ft. wide, 4 ft. deep, drains ENE.
80.00	Point for the cor. of secs. 13, 14, 23 and 24. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S14 | S13 S23 | S24 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, gently rolling to nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., hereinbefore described. West, bet. secs. 13 and 24. Over nearly level land, in Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 24. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S13 1/4 —— S24 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.70 chs. S. of Cottonwood Wash, 15 ft. wide, 4 ft. deep, drains NE.
42.05	Right bank of Cottonwood Wash, 30 ft. high, bears NE and SW; thence enter Cottonwood Wash.
49.20	Right bank of Cottonwood Wash, 30 ft. high, bears SE and NW; thence leave wash.
55.90	Cottonwood Wash, 100 ft. wide, 30 ft. deep, drains NE.
67.90	Cottonwood Wash, 15 ft. wide, 4 ft. deep, drains SE.
80.00	The cor. of secs. 13, 14, 23 and 24.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 13 and 14.
	Over nearly level land, in Cottonwood Wash valley.
12.60	Cottonwood Wash, 10 ft. wide, 4 ft. deep, drains NE.
25.00	Wash, 20 ft. wide, 6 ft. deep, drains ENE.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 14.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S14 | S13 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	Point for the cor. of secs. 11, 12, 13 and 14. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S11 | S12 S14 | S13 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described. West, bet. secs. 12 and 13. Over gently rolling land, on N. edge of Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 12 and 13. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S12 1/4 S13 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 11, 12, 13 and 14. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 11 and 12. Over rolling land, on ascent from Cottonwood Wash valley.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
4.00	Navajo Route 251, asphalt pavement, 22 ft. wide, bears ENE and WSW.
36.85	Trail road, bears SE and NW.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S11 | S12 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
76.00	Wash, 10 ft. wide, 5 ft. deep, drains SE.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 2 | S 1 ---|--- S11 | S12 2000 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located 2.10 chs. E. of a wash, 10 ft. wide, 5 ft. deep, drains SSE. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinbefore described. West, bet. secs. 1 and 12. Over rolling and nearly level land, across a small valley.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 12.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 1 1/4 —— S12 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 1, 2, 11 and 12. Land, rolling and nearly level. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 1 and 2. Over rolling and broken land, on ascent of S. slope of Lohali Mesa.
23.00	High voltage transmission line, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 2. Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd. T31N R23E 1/4 S 2 | S 1 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case in the drill hole beneath the brass tablet. Cor. is located atop a sandstone ledge, 4 ft. high, bears NNE and SSW.
80.00	The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. No timber; scattered brush and native grasses.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., hereinbefore described.
	N. 0°01′ W., bet. secs. 34 and 35.
	Over rolling and broken land.
37.20	Trail road, bears NE and SW.
40.00	Point for the 1/4 sec. cor. of secs. 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S34 | S35 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
67.90	SE rim of a canyon, atop a sandstone cliff, bears NNE and SSW; thence descend abruptly to floor of a canyon.
76.70	Wash, 20 ft. wide, 5 ft. deep, drains E.
80.00	Point for the cor. of secs. 26, 27, 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S27 | S26 S34 | S35 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located in a canyon, 1.00 ch. W. of a wash, 20 ft. wide, 5 ft. deep, drains N; and 2.60 chs. W. of base of E. slope of the canyon, bears N. and S.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 25, 26, 35 and 36.
	West, bet. secs. 26 and 35.
	Over rolling land, across a small valley.
28.10	Wash, 10 ft. wide, 8 ft. deep, drains NE.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S26 1/4 —— S35 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
50.20	W. rim of a small valley, atop a sandstone ledge, bears NE and SW; thence over rolling land, across a ridge.
55.05	Trail road, bears NNE and SSW.
73.10	E. rim of a canyon, atop a sandstone cliff, bears N. and S.; thence over broken land, on abrupt descent into a canyon.
80.00	The cor. of secs. 26, 27, 34 and 35.
	Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 26 and 27.
	Over rolling land, on descent out of a canyon.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 27.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S27 | S26 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
49.50	Wash, 7 ft. wide, 4 ft. deep, drains NNE; thence over rolling land, on continued descent.
74.16	Navajo Route 4, asphalt pavement, 24 ft. wide, bears E. and W.
76.90	Power line, bears E. and W.
78.50	Trail road, bears NNE and SSW.
80.00	Point for the cor. of secs. 22, 23, 26 and 27.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S22 | S23 S27 | S26 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 30 lks. W. of a trail road, bears NNE and SSW. From this cor. point, a third order U. S. Geological Survey benchmark, bears S. 61°12′ W., 14.75 chs. dist., monumented with a standard aluminum tablet, 3 1/2 ins. diam., set flush in a concrete collar, 6 ins. square, firmly set, projecting 7 ins. above ground, with partially defaced top mkd. 16 DOR 1972. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 23, 24, 25 and 26. West, bet. secs. 23 and 26.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over gently rolling land, on S. edge of Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S23 1/4 —— S26 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.70 chs. N. of a power line, bears E. and W.
80.00	The cor. of secs. 22, 23, 26 and 27.
	Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 22 and 23.
	Over gently rolling land, in Cottonwood Wash valley.
25.20	Trail road, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S22 | S23 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
69.30	Wash, 6 ft. wide, 3 ft. deep, drains NE.
80.00	Point for the cor. of secs. 14, 15, 22 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S15 | S14 S22 | S23 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 13, 14, 23 and 24. West, bet. secs. 14 and 23. Over nearly level land, in Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 23. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S14 1/4 —— S23 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 1.20 chs. N. of an earthen levee, 4 ft. high, bears E. and W.
50.20	Earthen levee, 5 ft. high, bears NNE and SSW.
65.85	Trail road, bears N. and S.
80.00	The cor. of secs. 14, 15, 22 and 23. Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 14 and 15.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over nearly level land, in Cottonwood Wash valley.
8.60	Power line, bears NNE and SSW.
12.40	Power line, bears E. and W.
16.30	Apache County Road C440, a graded road, 20 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S15 | S14 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
58.60	Earthen dike, 10 ft. high, bears ENE and WSW; thence over rolling land, on ascent from Cottonwood Wash valley.
80.00	Point for the cor. of secs. 10, 11, 14 and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S10 | S11 S15 | S14 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, nearly level to rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 11, 12, 13 and 14.
	West, bet. secs. 11 and 14.
	Over rolling land.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
6.14	Navajo Route 251, asphalt pavement, 22 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 14. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S11 1/4 —— S14 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
46.63	Navajo Route 251, asphalt pavement, 20 ft. wide, bears N. and S.
49.20	Trail road, bears SSE and NNW.
49.80	Power line, bears N. and S.
52.95	Trail road, bears N. and S.
80.00	The cor. of secs. 10, 11, 14 and 15. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 10 and 11. Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 11. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S10 | S11 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
72.40	High voltage transmission line, bears ENE and WSW.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
78.80	Trail road, bears ENE and WSW.
80.00	Point for the cor. of secs. 2, 3, 10 and 11. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 3 | S 2 S10 | S11 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 1, 2, 11 and 12. West, bet. secs. 2 and 11. Over rolling land.
28.40	Trail road, bears ESE and WNW.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 11. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 2 1/4 S11 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
58.25	Navajo Route 251, asphalt pavement, 20 ft. wide, bears N. and S.
60.10	High voltage transmission line, bears ENE and WSW.
67.10	Trail road, bears NNE and SSW.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
68.45	Trail road, bears ESE in curve to right; thence along the trail road.
69.85	Leave same trail road, bears WSW in curve to left.
72.60	Power line, bears SSE and NNW.
80.00	The cor. of secs. 2, 3, 10 and 11. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 2 and 3. Over rolling land.
22.70	Power line, bears SSE and NNW.
28.16	Navajo Route 251, asphalt pavement, 20 ft. wide, bears ESE and WNW.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 3. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S 3 | S 2 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Thence over rolling and broken land, across a large spur ridge.
80.00	The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., hereinbefore described. N. 0°02′ W., bet. secs. 33 and 34.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 33 and 34. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S33 | S34 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S28 | S27 S33 | S34 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 26, 27, 34 and 35. West, bet. secs. 27 and 34. Over rolling and broken land, on ascent from a canyon.
12.00	W. rim of a canyon, bears SSE and NNW; thence across a ridge.
23.20	Base of W. slope of same ridge, bears NNE and SSW; thence across a small valley.
40.00	Point for the 1/4 sec. cor. of secs. 27 and 34. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S27 1/4 —— S34 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
44.90	Base of W. slope of a small valley, bears NNE and SSW; thence ascend from the valley.
62.50	W. rim of same valley, bears NNE and SSW; thence across a ridge.
72.90	Top of same ridge, bears N. and S.
80.00	The cor. of secs. 27, 28, 33 and 34.
	Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	N. 0°02′ W., bet. secs. 27 and 28.
	Over rolling and broken land, on descent.
40.00	Point for the 1/4 sec. cor. of secs. 27 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S28 | S27 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
72.79	Navajo Route 4, asphalt pavement, 26 ft. wide, bears E. and W., at base of a descent; thence over nearly level land, in Cottonwood Wash valley.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S21 | S22 S28 | S27 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 1.20 chs. W. of a power line, bears N. and S. Land, rolling and broken to nearly level. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 22, 23, 26 and 27. West, bet. secs. 22 and 27. Over gently rolling land, across S. edge of Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 27. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S22 1/4 S27 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 21, 22, 27 and 28. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°02′ W., bet. secs. 21 and 22. Over nearly level land, in Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 22.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S21 | S22 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
55.20	Cottonwood Wash, 20 ft. wide, 3 ft. deep, drains ENE.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S16 | S15 S21 | S22 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 14, 15, 22 and 23.
	West, bet. secs. 15 and 22.
	Over nearly level land, in Cottonwood Wash valley.
3.70	Power line, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S15 1/4 —— S22 2000

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
44.15	Trail road, bears ENE and WSW.
80.00	The cor. of secs. 15, 16, 21 and 22.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°02′ W., bet. secs. 15 and 16.
	Over gently rolling land, on gradual ascent from Cottonwood Wash valley.
23.20	Apache County Road C440, a graded road, 24 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S16 | S15 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 9 | S10 S16 | S15 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 10, 11, 14 and 15. West, bet. secs. 10 and 15. Over gently rolling land, across N. edge of Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 15. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S10 1/4 —— S15 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 9, 10, 15 and 16. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°02′ W., bet. secs. 9 and 10. Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S 9 | S10 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Cor. is located 1.80 chs. S. of a high voltage transmission line, bears ENE and WSW.
78.20	Base of a ridge, bears E. and W.; thence over broken land, on ascent of S. slope of a ridge.
80.00	Point for the cor. of secs. 3, 4, 9 and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 4 | S 3 S 9 | S10 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located on S. slope of a ridge, bears SE and NW, 2.80 chs. S. of S. edge of top. Land, gently rolling to broken. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 2, 3, 10 and 11. West, bet. secs. 3 and 10. Over nearly level land, across a small valley.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 3 1/4 —— S10 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 3, 4, 9 and 10.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, nearly level to broken at extreme W. end. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	N. 0°02′ W., bet. secs. 3 and 4. Over rolling and broken land, along W. edge of a small valley.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 4. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S 4 | S 3 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., hereinbefore described. N. 0°03′ W., bet. secs. 32 and 33. Over rolling and broken land, on descent out of a canyon.
39.60	Wash, 25 ft. wide, 3 ft. deep, drains ENE.
40.00	Point for the 1/4 sec. cor. of secs. 32 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S32 | S33 2000

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S29 | S28 S32 | S33 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling and broken. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 27, 28, 33 and 34.
	West, bet. secs. 28 and 33.
	Over rolling and broken land.
24.80	E. rim of a small valley, bears ESE and WNW; thence descend into a small valley.
27.70	Base of E. slope of same valley, bears N. and S.; thence over nearly level land, across same valley.
35.70	Navajo Route 25, a graded road, 20 ft. wide, bears N. and S.
38.40	Power line, bears N. and S.
40.00	Point for the 1/4 sec. cor. of secs. 28 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S28 1/4 —— S33 2000

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post nearby.
55.60	Apache County Road C419, a graded road, 22 ft. wide, bears NNE and SSW.
80.00	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling and broken to nearly level. Soil, sandy clay. Timber, piñon and juniper on ridges; undergrowth, scattered brush and native grasses.
	N. 0°03′ W., bet. secs. 28 and 29.
	Over rolling and broken land.
14.60	Navajo Route 8042, a graded road, 22 ft. wide, bears ENE and WSW.
38.60	Wash, 20 ft. wide, 10 ft. deep, drains E.
40.00	Point for the 1/4 sec. cor. of secs. 28 and 29.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S29 | S28 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 60 lks. E. of a wash, 5 ft. wide, 10 ft. deep, drains S.
79.93	Chainlink fence, bears NE and SW, on SE edge of a housing subdivision; thence enter Cottonwood Wash valley and a housing subdivision.
80.00	Point for the cor. of secs. 20, 21, 28 and 29.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S20 | S21 S29 | S28 2000
	from which
	The southernmost cor. of house no. 17, stuccoed, 34 x 31 ft., bears N. 14° W., 1.60 chs. dist., long side bears NW.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 7 lks. W. of a chainlink fence, bears NE and SW.
	Land, rolling and broken. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 21, 22, 27 and 28.
	West, bet. secs. 21 and 28.
	Over nearly level land, on S. edge of Cottonwood Wash valley.
26.00	Navajo Route 251, asphalt pavement, 24 ft. wide, bears N. and S.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 28.
	Set a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case, 24 ins. below the surface of ground.
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 45°00′ E., 100.0 ft. dist., with brass cap mkd. T31N R23E 1/4 S28 RM 100.0 FT TO COR 2000 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 45°00′ W., 75.0 ft. dist., with brass cap mkd. T31N R23E 1/4 S21 RM 75.0 FT TO COR 2000 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located in a wash, 9 ft. wide, 3 ft. deep, drains NE.
62.00	Navajo Route 4, asphalt pavement, 26 ft. wide, bears SE and NW.
80.00	The cor. of secs. 20, 21, 28 and 29.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°03′ W., bet. secs. 20 and 21.
	Over nearly level land, through a housing subdivision in Cottonwood Wash valley.
3.67	Street, asphalt pavement, 24 ft. wide, bears NE and SW.
12.34	Chainlink fence, bears SE and NW, on NE edge of a housing subdivision; 98 lks. SE of northernmost fence cor.
13.92	Navajo Route 4, asphalt pavement, 26 ft. wide, bears SE and NW.
18.70	Tselayazhe Wash, 25 ft. wide, 15 ft. deep, drains ENE.
40.00	Point for the 1/4 sec. cor. of secs. 20 and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S20 | S21 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
46.20	Cottonwood Wash, 20 ft. wide, 25 ft. deep, drains ENE.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
58.60	Base of the spur ridge of a prominent white sandstone mesa, bears NE and SW; thence over broken land, on ascent of S. slope of spur ridge.
65.60	S. rim of same spur ridge of a mesa, bears NE and SW; thence over rolling land, atop a spur ridge.
73.40	N. rim of same spur ridge, bears NE and SW; thence over broken land, on descent of rocky N. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S17 | S16 S20 | S21 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, nearly level to broken and rolling. Soil, sandy and rocky clay with sandstone outcrops. No timber; scattered brush and native grasses.
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. Over rolling land, in Cottonwood Wash valley.
10.67	Navajo Route 251, asphalt pavement, 24 ft. wide, bears NE in curve to left; thence over rolling and broken land, on ascent of E. slope of a prominent mesa.
39.85	Wash, 6 ft. wide, 3 ft. deep, drains ESE.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 21. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S16 1/4 —— S21 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 16, 17, 20 and 21. Land, rolling and broken. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	N. 0°03′ W., bet. secs. 16 and 17. Over broken land, on ascent from a canyon.
10.40	SE rim of prominent white sandstone mesa, bears NNE and SSW; thence over rolling land, atop a mesa.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 17. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S17 | S16 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
78.10	Trail road, bears E. and W.
80.00	Point for the cor. of secs. 8, 9, 16 and 17. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 8 | S 9 ——|—— S17 | S16 2000

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, broken to rolling. Soil, sandy and rocky clay with sandstone outcrops. No timber; scattered brush and native grasses.
	From the cor. of secs. 9, 10, 15 and 16. West, bet. secs. 9 and 16. Over rolling land, on ascent.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 16. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 9 1/4 —— S16 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 1.40 chs. N. and 2.80 chs. E. of a trail road, bears ESE and WNW.
62.60	Navajo Route 251, asphalt pavement, 24 ft. wide, bears N. and S.
80.00	The cor. of secs. 8, 9, 16 and 17. Land, rolling. Soil, sandy clay. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	N. 0°03′ W., bet. secs. 8 and 9. Over rolling land, atop a mesa.
11.20	High voltage transmission line, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 9.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S 8 | S 9 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
71.70	N. rim of prominent white sandstone mesa, bears E. and W.; thence over broken land, on descent of N. slope of a mesa.
73.50	Base of N. slope of same mesa, bears E. and W.; thence over nearly level land, in a small valley.
80.00	Point for the cor. of secs. 4, 5, 8 and 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 5 | S 4 --- S 8 | S 9 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Land, rolling to broken to nearly level. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 3, 4, 9 and 10. West, bet. secs. 4 and 9. Over broken and rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S 4 1/4 —— S 9 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
64.43	Navajo Route 251, asphalt pavement, 24 ft. wide, bears NNE and SSW; thence over rolling land, atop a mesa.
73.90	W. rim of prominent white sandstone mesa, bears SE and NW; thence over broken land, on descent of W. slope of a mesa.
76.20	Base of W. slope of same mesa, bears ENE and WSW; thence over nearly level land, in a small valley.
80.00	The cor. of secs. 4, 5, 8 and 9.
	Land, broken and rolling to nearly level. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	N. 0°03′ W., bet. secs. 4 and 5.
	Over rolling and broken land, across E. edge of a small valley and W. edge of a prominent white sandstone mesa.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 5.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S 5 | S 4 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
65.10	Apache County Road C438, a graded road, 26 ft. wide, bears NE and SW.
71.95	Base of S. slope of a spur ridge, bears NNE and SSW; thence over broken land, on ascent of S. slope of a spur ridge.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	The cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., hereinbefore described. N. 0°03′ W., bet. secs. 31 and 32. Over gently rolling land, on gradual descent into Tselayazhe Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 31 and 32. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S31 | S32 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
57.90	Power line, bears SE and NW.
58.20	Navajo Route 8042, a graded road, 20 ft. wide, bears ESE and WNW.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S30 | S29 S31 | S32 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 2.10 chs. E. of a trail road, bears NNE and SSW.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, gently rolling. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 28, 29, 32 and 33.
	West, bet. secs. 29 and 32.
	Over rolling land.
14.70	Graded road, 20 ft. wide, bears NE and SW.
20.60	Power line, bears ENE and WSW.
32.10	Trail road, bears SSE and NNW.
40.00	Point for the 1/4 sec. cor. of secs. 29 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S29 1/4 S32 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Thence descend into Tselayazhe Wash valley.
56.10	Navajo Route 8042, a graded road, 20 ft. wide, bears NNE and SSW.
80.00	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 30 and 31.
	Over gently rolling land, in Tselayazhe Wash valley.
20.90	Power line, bears SE and NW.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	Point for the 1/4 sec. cor. of secs. 30 and 31. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. below the surface of the ground, with brass cap mkd. T31N R23E S30 1/4 —— S31 2000 from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 45°00′ E., 100.0 ft. dist., with brass cap mkd. T31N R23E 1/4 S30 RM 100.0 FT TO COR 2000 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 45°00′ W., 100.0 ft. dist., with brass cap mkd. T31N R23E 1/4 S31 RM 100.0 FT TO COR 2000 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post at the 1/4 sec. cor. Cor. is located on W. edge of Navajo Route 8042, a graded road, 20 ft. wide, bears SE and NW.
58.95	Trail road, bears NE and SW.
78.84	The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the east boundary, T. 31 N., R. 22 E., executed concurrently under this same group. Land, gently rolling. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	———
	From the cor. of secs. 29, 30, 31 and 32. N. 0°03′ W., bet. secs. 29 and 30.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over gently rolling land, across Tselayazhe Wash valley.
33.60	Tselayazhe Wash, 25 ft. wide, 10 ft. deep, drains ENE.
39.40	Navajo Route 8042, a graded road, 20 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 29 and 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S30 | S29 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post nearby.
	Thence over rolling and broken land.
65.70	Trail road, bears ENE and WSW.
80.00	Point for the cor. of secs. 19, 20, 29 and 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S19 | S20 S30 | S29 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 60 lks. S. of a wash, 15 ft. wide, 10 ft. deep, drains NE.
	Land, gently rolling to rolling and broken. Soil, sandy clay. Timber, piñon and juniper in N. half; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 20, 21, 28 and 29.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	West, bet. secs. 20 and 29.
	Over nearly level land, across mouth of Tselayazhe Wash valley, in a housing subdivision.
6.87	Chainlink fence, bears SE and NW, on W. edge of a housing subdivision.
11.61	The NE cor. of a concrete block extension of Cottonwood Chapter House, bears South, 42 lks. dist., sides bear SSE and W.
18.30	Intersect a side of an octagonal stuccoed hogan, bears NNE and SSW, 10 lks. SSW of the easternmost cor.
18.71	Intersect long E. side of a stuccoed and wood sided house, 61 x 28 ft., NE cor. bears NNE, 5 lks. dist.
25.70	Tselayazhe Wash, 25 ft. wide, 12 ft. deep, drains NE.
27.44	Woven wire fence, bears ENE and WSW.
28.12	Woven wire fence, bears SE and NW.
31.50	Wash, 20 ft. wide, 15 ft. deep, drains SE.
40.00	Point for the 1/4 sec. cor. of secs. 20 and 29.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S20 1/4 —— S29 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post nearby.
48.80	Navajo Route 8042, a graded road, 20 ft. wide, bears NNE and SSW.
80.00	The cor. of secs. 19, 20, 29 and 30.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	West, bet. secs. 19 and 30.
	Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S19 1/4 —— S30 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
78.75	The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the east boundary, T. 31 N., R. 22 E., executed concurrently under this same group.
	Cor. is located 1.20 chs. W. of a wash, 35 ft. wide, 10 ft. deep, drains NNE.
	Land, rolling and broken. Soil, sandy clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 19, 20, 29 and 30.
	N. 0°03′ W., bet. secs. 19 and 20.
	Over rolling and broken land.
30.25	Trail road, bears ESE and WNW.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E 1/4 S19 | S20 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
72.07	Navajo Route 4, asphalt pavement, 24 ft. wide, bears E. in curve to right; thence over rolling land, on descent into Cottonwood Wash valley.
75.30	Power line, bears E. and W.
76.60	Trail road, bears ENE and WSW.
80.00	Point for the cor. of secs. 17, 18, 19 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S18 | S17 S19 | S20 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.55 chs. W. of a trail road, bears NE and SW.
	Land, rolling and broken. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 16, 17, 20 and 21.
	West, bet. secs. 17 and 20.
	Over broken land, across S. slope of a prominent white sandstone mesa.
29.90	Wash, 60 ft. wide, 20 ft. deep, drains S.; thence over nearly level land, in Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 20.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S17 1/4 —— S20 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
48.70	Wash, 50 ft. wide, 24 ft. deep, drains SSE.
50.50	Cottonwood Wash, 40 ft. wide, 24 ft. deep, drains ESE.
77.45	Trail road, bears NE and SW.
80.00	The cor. of secs. 17, 18, 19 and 20. Land, broken to nearly level. Soil, sandy and rocky clay with sandstone outcrops. No timber; scattered brush and native grasses.
	West, bet. secs. 18 and 19. Over rolling land, on S. edge of Cottonwood Wash valley.
33.50	Cottonwood Wash, 30 ft. wide, 8 ft. deep, drains ENE; thence over nearly level land, in Cottonwood Wash valley.
34.90	Power line, bears N. and S.
40.00	Point for the 1/4 sec. cor. of secs. 18 and 19. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S18 1/4 —— S19 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
50.63	Barbed wire fence, 3 strands, bears SSE and NNW.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
53.70	Navajo Route 8043, a graded road, 20 ft. wide, bears SSE and NNW.
67.60	Apache County Road C435, a graded road, 20 ft. wide, bears ENE and WSW.
78.66	The cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the east boundary, T. 31 N., R. 22 E., executed concurrently under this same group. Land, rolling to nearly level. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 17, 18, 19 and 20. N. 0°03′ W., bet. secs. 17 and 18. Over gently rolling land, on descent into Cottonwood Wash valley.
17.50	Cottonwood Wash, 30 ft. wide, 15 ft. deep, drains E.; thence over nearly level land, in Cottonwood Wash valley.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 18. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S18 | S17 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
60.50	High voltage transmission line, bears ENE and WSW.
67.50	Navajo Route 8043, a graded road, 20 ft. wide, bears ENE and WSW.
80.00	Point for the cor. of secs. 7, 8, 17 and 18. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T31N R23E S 7 | S 8 S18 | S17 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Land, gently rolling to nearly level. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 8, 9, 16 and 17.
	West, bet. secs. 8 and 17.
	Over rolling land, atop a mesa.
29.10	High voltage transmission line, bears ENE and WSW.
30.70	W. rim of a prominent white sandstone mesa, bears ESE and WNW; thence over broken land, on descent of W. slope of a mesa.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S 8 1/4 —— S17 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located on W. slope of a mesa, 65 lks. E. of a white sandstone cliff, 40 ft. high, bears N. and S., identical with the E. bank of a wash; and 2.10 chs. E. of W. bank of same wash, 40 ft. high, bears SSE and NNW.
	Thence over nearly level land, across mouth of a small valley.
57.50	Power line, bears SSE and NNW.
60.40	Navajo Route 8043, a graded road, 20 ft. wide, bears NE and SW.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
72.00	Apache County Road C278, a graded road, 20 ft. wide, bears ESE and WNW.
80.00	The cor. of secs. 7, 8, 17 and 18. Land, rolling to broken to nearly level. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 7 and 18. Over rolling land, across a ridge.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 18. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 7 1/4 —— S18 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor. is located 80 lks. S. of a trail road, bears E. in curve to right. Thence across a small valley.
78.58	The cor. of secs. 7, 12, 13, and 18, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the east boundary, T. 31 N., R. 22 E., executed concurrently under this same group. Cor. is located 1.95 chs. S. of a trail road, bears SSE and NNW. Land, rolling. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 7, 8, 17 and 18.

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 0°03′ W., bet. secs. 7 and 8.
	Over rolling land, in a small valley.
5.30	Apache County Road C278, a graded road, 20 ft. wide, bears SE and NW; thence over rolling and broken land, across ridges.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E 1/4 S 7 | S 8 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 5, 6, 7 and 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R23E S 6 | S 5 S 7 | S 8 2000
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 80 lks. W. of a wash, 15 ft. wide, 12 ft. deep, drains SE.
	Land, rolling and broken. Soil, sandy clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 4, 5, 8 and 9.
	West, bet. secs. 5 and 8.
	Over nearly level land, in a small valley.
10.70	Wash, 30 ft. wide, 24 ft. deep, drains S.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
16.80	Navajo Route 8043, a graded road, 20 ft. wide, bears N. and S.; thence over rolling and broken land, on ascent of E. slope of a mesa.
34.60	E. rim of same mesa, bears N. and S.; thence over rolling land, atop a mesa.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 8. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 5 1/4 —— S 8 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Thence over rolling to broken land, across S. slope of a mesa.
80.00	The cor. of secs. 5, 6, 7 and 8. Land, nearly level to rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 6 and 7. Over rolling and broken land, across a ridge.
36.66	Barbed wire fence, 3 strands, bears ENE and WSW; thence over nearly level land, in a small valley.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 7. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E S 6 1/4 —— S 7 2000

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Cor is located 2.45 chs. E. of a barbed wire fence, 4 strands, bears SE and NW, which is at base of E. slope of a large spur ridge. Thence over broken land, on ascent of same spur ridge.
78.49	The cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the east boundary, T. 31 N., R. 22 E., executed concurrently under this same group. Land, rolling and nearly level and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 5, 6, 7 and 8. N. 0°03′ W., bet. secs. 5 and 6. Over broken land.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 6. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T31N R23E 1/4 S 6 | S 5 2000 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post. Thence descend from a ridge to rolling land in a small valley.
80.00	The cor. of secs. 5, 6, 31 and 32, on the N. bdy. of the Tp., hereinbefore described.

Book 5681

Survey of the Subdivisional Lines,
T. 31 N., R. 23 E., Gila and Salt River Meridian, Arizona

CHAINS

Land, broken to rolling.
Soil, sandy and rocky clay.
Timber, piñon and juniper; undergrowth, scattered brush and native grasses.

GENERAL DESCRIPTION

The area surveyed contains the community of Cottonwood. The terrain varies from nearly level and gently rolling in the valleys to rolling and broken on the many mesas and ridges. The drainage is easterly, with Cottonwood Wash being the principal drainage; which enters the township in section 19; disappears in section 22; reappears in section 14; and exits the township in section 13.

The elevation varies from 5900 to 6700 feet above sea level. The soil is mostly sandy clay, with some rocky clay and sandstone outcrops on the mesas. The timber consists of some piñon and juniper, mostly in the southern and northwestern portions of the township. Other vegetation principally consists of scattered brush and native grasses.

Principal access to the township is provided by Navajo Route 4, a paved highway which enters the township in section 25 and exits in section 19. Another paved highway, Navajo Route 251, enters the township in section 12, exits in section 3, enters again in section 4, and terminates at Navajo Route 4 in section 28. There are numerous other graded roads and trail roads throughout the township. The corner of sections 20, 21, 28 and 29 falls within a housing subdivision. There are numerous scattered houses throughout the township. Much of the area is used for grazing livestock. There is no current mining activity in the township.

The mean magnetic declination of 11 3/4° E. was derived from the computer program GEOMAGIX utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
William F. Olver	Cadastral Surveyor
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

CERTIFICATE OF SURVEY

I, Leonard R. Sandoval, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 14th day of August, 2000, I have surveyed the south, east and north boundaries, and the subdivisional lines, Township 31 North, Range 23 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 surveys have been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and in specific manner described in the foregoing field notes.

11-17-03
(Date)

Leonard R. Sandoval
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the survey of the south, east and north boundaries, and the subdivisional lines, Township 31 North, Range 23 East, Gila and Salt River Meridian, Arizona, executed by Leonard R. Sandoval, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

January 20, 2004
(Date)

Kenny D Ravnikar
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the ~~foregoing~~ transcript of the field notes of the above-described surveys in T. 31 N., R. 23 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~