

ORIGINAL

¹ BOOK 5342

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF A PORTION OF THE ARIZONA-NEW MEXICO STATE LINE

BETWEEN THE 79 MILE POST AND THE 84 MILE POST

AND THE SURVEY OF THE SUBDIVISIONAL LINES

OF TOWNSHIP 28 NORTH, RANGE 31 EAST

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

EXECUTED BY

Kevin R. DeRossett and Olian T. Shockley, Cadastral Surveyors

Under special instructions dated November 27, 1987, approved November 30, 1987, which provided for the surveys included under Group Number 699 and assignment instructions dated March 28, 1988 and April 10, 1989.

Survey commenced March 31, 1988

Survey completed August 2, 1989

INDEX DIAGRAM

79 MILE POST TO 84 MILE POST on the ARIZONA-NEW MEXICO STATE LINE
AND
TOWNSHIP 28 NORTH, RANGE 31 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

		78M
30	29	79M
6 28	5	
27	25	4
7 23	8	80M
22	21	5
18 20	17	81M
19	17	5
19 15	20	82M
15	12	6
30 11	29	83M
10	8	6
31 7	32	84M

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T. 28 N., R. 31 E., Gila and Salt River Mer., Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of the Arizona-New Mexico State Line between the 79 Mile Post and the 84 Mile Post and the survey of the subdivisional lines of Township 28 North, Range 31 East, Gila and Salt River Meridian, Arizona.

The boundaries and subdivisional lines of Townships 1 and 2 North, Range 6 West, Navajo Special Base and Meridian, were surveyed by Ehud N. Darling in 1870. The Arizona-New Mexico State Line was surveyed by Chandler Robbins in 1875. The Arizona-New Mexico State Line between the 84 Mile Post and Astronomical Station No. 3 was resurveyed concurrently under this same group. The south and west boundaries and the north boundary, identical with the Seventh Standard Parallel North, through Ranges 30 and 31 East, were surveyed concurrently under this same group.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated November 27, 1987, for Group No. 699, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. The angles and distances were measured with a Topcon GTS-3B total station instrument.

The geographic position of the southeast corner of the township was determined by the technique of relative positioning using the Motorola Eagle GPS system. "GANADO" and "CRAFTON", first order triangulation stations established by the United States Coast and Geodetic Survey were used as the control stations. The position is as follows:

Latitude: 35°46'45.59" N. Longitude: 109°02'45.83" W. NAD27

The mean magnetic declination is 12 1/2° E. as taken from the 1985 magnetic declination map published by the U.S. Geological Survey.

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Dependent Resurvey of a Portion of the New Mexico-Arizona State Line
Between the 79 Mile Post and the 84 Mile Post

CHAINS	<p style="text-align: center;">Restoring the survey executed by Chandler Robbins, in 1875.</p> <hr/> <p>Beginning at the 79 Mile Post on the Arizona-New Mexico State Line, a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the dependent resurvey of a portion of the Arizona-New Mexico State Line between the 72 Mile Post and the 79 Mile Post, executed concurrently under this same group.</p> <p>From this cor. point, the 78 Mile post on the Arizona-New Mexico State Line, bears N. 0°31' E., 80.52 chs. dist., a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the dependent resurvey of a portion of the Arizona-New Mexico State Line between the 72 Mile Post and the 79 Mile Post, executed concurrently under this same group.</p> <p>From this same cor. point, the 1/4 sec. cor. of sec. 5 only, T. 28 N., R. 31 E., on the Arizona-New Mexico State Line, hereinafter described, bears N. 0°31' E., 2.295 chs. dist.</p> <p>S. 0°31' W., on the 80th mile of the Arizona-New Mexico State Line.</p> <p>Over nearly level land.</p> <p>35.60 Left bank of Black Creek, 2 ft. high, bears SSE and NNW.</p> <p>37.705 The closing cor. of secs. 5 and 8, T. 28 N., R. 31 E., hereinafter described.</p> <p>44.00 Right bank of Black Creek, 2 ft. high, bears SE and NW.</p> <p>77.695 The 1/4 sec. cor. of sec. 8 only, T. 28 N., R. 31 E., hereinafter described.</p> <p>80.52 Point for the 80 Mile Post, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set an aluminum post, 72 ins. long, 3/4 in. diam., 71 ins. in the ground, with magnetized aluminum cap mkd.</p> <p style="text-align: center;">80M AZ NM 1988</p>
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Dependent Resurvey of a Portion of the New Mexico-Arizona State Line
Between the 79 Mile Post and the 84 Mile Post

CHAINS	
	Cor. is located 120 lks. W. of the center of Black Creek, 40 lks. wide, 1 ft. deep, drains S.
	S. 0°31' W., on the 81st mile of the Arizona-New Mexico State Line.
	Over nearly level land, across Black Creek.
37.165	The closing cor. of secs. 8 and 17, T. 28 N., R. 31 E., hereinafter described.
53.00	Left bank of Black Creek, 1 ft. deep, bears SE and NW.
77.16	The 1/4 sec. cor. of sec. 17 only, T. 28 N., R. 31 E., hereinafter described.
80.52	Point for the 81 Mile Post, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. below the surface of the ground, with brass cap mkd.
	81M
	AZ NM
	1988
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
	Cor. is located in a cultivated field.
	S. 0°31' W., on the 82nd mile of the Arizona-New Mexico State Line.
	Over nearly level land.
36.635	The closing cor. of secs. 17 and 20, T. 28 N., R. 31 E., hereinafter described.
76.635	The 1/4 sec. cor. of sec. 20 only, T. 28 N., R. 31 E., hereinafter described.
80.52	Point for the 82 Mile Post, at proportionate dist.; there is no remaining evidence of the original cor.

Dependent Resurvey of a Portion of the New Mexico-Arizona State Line
Between the 79 Mile Post and the 84 Mile Post

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">82M AZ NM 1988</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <hr/>
36.115	<p>S. 0°31' W. on the 83rd mile of the Arizona-New Mexico State Line.</p> <p>Over nearly level land.</p> <p>The closing cor. of secs. 20 and 29, T. 28 N., R. 31 E., hereinafter described.</p>
76.11	<p>The 1/4 sec. cor. of sec. 29 only, T. 28 N., R. 31 E., hereinafter described.</p>
80.52	<p>Point for the 83 Mile Post, at proportionate dist.; there is no remaining evidence of the original cor.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">83M AZ NM 1988</p> <p>from which</p> <p style="margin-left: 40px;">A piñon, 14 ins. diam., bears S. 37° E., 26 lks. dist., mkd. NM 83M BT.</p> <p style="margin-left: 40px;">A piñon, 9 ins. diam., bears N. 48° W., 66 lks. dist., mkd. AZ 83M BT.</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <hr/>

Dependent Resurvey of a Portion of the New Mexico-Arizona State Line
Between the 79 Mile Post and the 84 Mile Post

CHAINS	
	Over rolling land.
35.585	The closing cor. of secs. 29 and 32, T. 28 N., R. 31 E., hereinafter described.
75.585	The 1/4 sec. cor. of sec. 32 only, T. 28 N., R. 31 E., hereinafter described.
80.52	<p>The 84 Mile Post on the Arizona-New Mexico State Line, a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the dependent resurvey of a portion of the Arizona-New Mexico State Line between the 84 Mile Post and Astronomical Station No. 3, executed concurrently under this same group.</p> <p>From this cor. point, the closing cor. for Tps. 27 and 28 N. R. 31 E., bears S. 2°17' E., 35.09 chs. dist., 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 dependent resurvey of the N. bdy. of T. 27 N., R. 31 E., executed concurrently under this same group.</p> <p>From this same cor. point, the 85 Mile Post on the Arizona-New Mexico State Line, bears S. 2°17' E., 78.05 chs. dist., 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 dependent resurvey of a portion of the Arizona-New Mexico State Line between the 84 Mile Post and Astronomical Station No. 3, executed concurrently under this same group.</p> <hr/> <p style="text-align: center;">Survey of the Subdivisional Lines, T. 28 N., R. 31 E., Gila and Salt River Mer., Arizona</p> <hr/> <p>From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the N. bdy. of T. 27 N., R. 31 E., executed concurrently under this same group.</p> <p>N. 0°01' E., bet. secs. 31 and 32.</p> <p>Over rugged land, through dense timber.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 31 and 32.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 ins. stem, in a drill hole, cemented in place, in sandstone bedrock, 6 ins. below the surface of the ground, with top mkd.</p>

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	<p style="text-align: center;">T28N R31E 1/4 S31 S32 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 52 1/4° E., 118 1/2 lks. dist., mkd. 1/4 S32 BT.</p> <p style="padding-left: 40px;">A piñon, 13 ins. diam., bears N. 54 3/4° W., 142 lks. dist., mkd. 1/4 S31 BT.</p> <p>Deposit a magnet, 1 in. long, 7/8 in. diam., in the drill hole beneath the brass tablet.</p>
80.00	<p>Point for the cor. of secs. 29, 30, 31, and 32.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 ins. stem, in a drill hole, cemented in place, in sandstone bedrock, 4 ins. below the surface of the ground, with top mkd.</p> <p style="text-align: center;">T28N R31E S30 S29 ----- S31 S32 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 19 ins. diam., bears N. 24 1/4° E., 65 lks. dist., mkd. T28N R31E S29 BT.</p> <p style="padding-left: 40px;">A forked piñon, 17 ins. diam. at base, bears S. 27 1/4° E., 32 1/2 lks. dist., mkd. T28N R31E S32 BT.</p> <p style="padding-left: 40px;">A piñon, 11 ins. diam., bears S. 49 1/4° W., 224 1/2 lks. dist., mkd. T28N R31E S31 BT.</p> <p style="padding-left: 40px;">A piñon, 13 ins. diam., bears N. 67 1/2° W., 182 lks. dist., mkd. T28N R31E S30 BT.</p> <p>Deposit a magnet, 1 in. long, 7/8 in. diam., in the drill hole beneath the brass tablet.</p> <p>Cor. is located 92 lks. N. of a wash, 23 lks. wide, 1 ft. deep, drains E.</p> <p>Land, rugged. Soil, rocky clay. Timber, dense piñon and juniper; undergrowth, sparse native grasses.</p>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	East, bet. secs. 29 and 32.
	Over rolling land on steep descent.
28.40	Power line, 4 strand, bears NNW and SSE.
31.40	Graded road, 30 lks. wide, bears SE and NW. Enter nearly level land.
31.84	Barbed wire fence, 4 strand, parallels road.
36.61	Barbed wire fence, 4 strand, bears N. and S.
37.50	Right bank of Black Creek, 3 ft. high, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of secs. 29 and 32.
	Set a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case 30 ins. below the surface of the ground.
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground, for a reference monument, bears N. 45° E., 100 ft. dist., with brass cap mkd. T28N R31E 1/4 S29 RM 100 FT. TO COR. 1989, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 45° E., 100 ft. dist., with brass cap mkd. T28N R31E 1/4 S32 RM 100 FT. TO COR. 1989, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Cor. is located in the bed of Black Creek, at the foot of the left bank, bears NNE and SSW.
66.60	Foot of bluff, bears N. and S., ascend over W. slope.
77.64	Point for the closing cor. of secs. 29 and 32, at intersection with the Arizona-New Mexico State Line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS																					
	<div style="text-align: center;"> <table border="0"> <tr><td>T28N</td><td> </td></tr> <tr><td>S29</td><td> </td></tr> <tr><td>CC</td><td>— </td></tr> <tr><td>S32</td><td> </td></tr> <tr><td>R31E</td><td> </td></tr> <tr><td>1989</td><td></td></tr> </table> </div> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the 83 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears N. 0°31' E., 35.585 chs. dist.</p> <p>Land, rolling and nearly level. Soil, sand and sandy clay. Timber, scattered piñon and juniper; undergrowth, sparse rabbitbrush and native grasses.</p> <hr/> <p>Point for the 1/4 sec. cor. of sec. 32 only, at midpoint on the E. bdy. of sec. 32, on the Arizona-New Mexico State Line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr><td>T28N</td><td> </td></tr> <tr><td>R31E</td><td> </td></tr> <tr><td>S32 1/4</td><td> </td></tr> <tr><td>1989</td><td></td></tr> </table> </div> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the 84 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears S. 0°31' W., 4.935 chs. dist.</p> <p>Cor. is located on the W. slope of a ridge, bears NNE and SSW.</p> <hr/> <p>From the cor. of secs. 29, 30, 31, and 32.</p> <p>West, bet. secs. 30 and 31.</p> <p>Over rugged land on steep ascent, through dense timber.</p>	T28N		S29		CC	—	S32		R31E		1989		T28N		R31E		S32 1/4		1989	
T28N																					
S29																					
CC	—																				
S32																					
R31E																					
1989																					
T28N																					
R31E																					
S32 1/4																					
1989																					
40.005	<p>Point for the 1/4 sec. cor. of secs. 30 and 31.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>																				

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p style="text-align: center;">T28N R31E S30 1/4 — S31 1989</p>
	<p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Cor. is located on the E. edge of a wash, 100 lks. wide, 20 ft. deep, drains SSE.</p>
80.01	<p>The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., a brass tablet, 3 1/4 ins. diam., set, mkd. and witnessed as described in the field notes of the survey of the E. bdy. of T. 28 N., R. 30 E., executed concurrently under this same group.</p> <p>Land, rugged. Soil, rocky clay. Timber, dense piñon and juniper; undergrowth, sparse rabbitbrush and native grasses.</p>
	<hr/> <p>From the cor. of secs. 29, 30, 31, and 32.</p> <p>N. 0°01' E., bet. secs. 29 and 30.</p> <p>Over rugged land, through dense timber.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 29 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T28N R31E 1/4 S30 S29 1989</p>
	<p>from which</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 81 1/2° E., 54 1/2 lks. dist., mkd. 1/4 S29 BT.</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears S. 34 1/2° W., 64 lks. dist., mkd. 1/4 S30 BT.</p>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
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<p>CHAINS</p> <p>80.00</p> <p>26.70</p> <p>32.70</p>	<p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Point for the cor. of secs. 19, 20, 29, and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <table border="1" data-bbox="860 535 1015 693"> <tr> <td>T28N</td> <td>R31E</td> </tr> <tr> <td>S19</td> <td>S20</td> </tr> <tr> <td>S30</td> <td>S29</td> </tr> <tr> <td colspan="2">1989</td> </tr> </table> <p>from which</p> <p>A ponderosa pine, 17 ins. diam. bears N. 64 1/2° E., 129 1/2 lks. dist., mkd. T28N R31E S20 BT.</p> <p>A ponderosa pine, 31 ins. diam. bears S. 65 3/4° W., 102 lks. dist., mkd. T28N R31E S30 BT.</p> <p>A rock outcrop, 60 x 10 x 15 ft. high, bears N. 20 1/4° W., 82 lks. dist., with X BO chiseled on the S. face.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Cor. is located adjacent to the N. edge of a sandstone boulder, on the S. slope of a canyon, 280 lks. wide, 40 ft. deep, bears NE and SW.</p> <p>Land, rugged. Soil, rocky clay. Timber, dense piñon, juniper and ponderosa pine; undergrowth, sparse native grasses.</p> <hr/> <p>East, bet. secs. 20 and 29.</p> <p>Over rugged land on gradual descent.</p> <p>Power line, 4 strand, bears N. and S.</p> <p>Graded road, 30 lks. wide, bears NNE and SSW.</p> <p>Enter nearly level land.</p>	T28N	R31E	S19	S20	S30	S29	1989	
T28N	R31E								
S19	S20								
S30	S29								
1989									

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
33.09	Barbed wire and wire mesh fence, parallels road.
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., 22 ins. in the ground, with brass cap mkd.
	T28N R31E S20 1/4 — S29 1989
	Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
	Cor. is located in a fenced pasture.
41.97	Barbed wire and mesh fence, bears N. and S.
42.10	Right bank of Black Creek, 3 ft. high, bears N. and S.
43.40	Left bank of Black Creek, 1 ft. high, bears SSE and NNW.
45.36	Barbed wire and wire mesh fence, bears N. and S.
63.00	Barbed wire fence, 6 strand, bears N. and S.
69.80	Ridge, 35 ft. high, bears SE and NW.
70.35	Southernmost cor. of a stucco covered frame house, 40 x 10 ft., bears North, 1.10 chs. dist., long side bears NNW.
77.27	Southwest cor. of a metal building, 50 x 15 ft., bears North, 7.66 chs. dist., long side bears N.
78.34	Point for the closing cor. of secs. 20 and 29, at intersection with the Arizona-New Mexico State Line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, atop a steel fence post, with brass cap mkd.

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS

T28N
S20
CC ———
S29
R31E
1989

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Cor. is located on a vegetated sand dune.

From this cor. point, the 82 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears N. 0°31' E., 36.115 chs. dist.

Land, rugged to nearly level.

Soil, rocky clay, sandy clay and sand.

No timber; sparse sagebrush, rabbitbrush and native grasses.

Point for the 1/4 sec. cor. of sec. 29 only, at midpoint on the E. bdy. of sec. 29, on the Arizona-New Mexico State Line.

Set a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case 30 ins. below the surface of the ground.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 45° W., 50 ft. dist., with brass cap mkd. T28N R31E 1/4 S29 RM 50 FT TO COR 1989, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears N. 45° W., 50 ft. dist., with brass cap mkd. T28N R31E 1/4 S29 RM 50 FT TO COR 1989, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located in a wash, 30 lks. wide, 4 ft. deep, drains WNW.

From this cor. point, the 83 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears S. 0°31' W., 4.41 chs. dist.

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p>From the cor. of secs. 19, 20, 29, and 30.</p> <p>N. 89°59' W. bet. secs. 19 and 30.</p> <p>Over rugged land on steep ascent, through dense timber.</p>
40.015	<p>Point for the 1/4 sec. cor. of secs. 19 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E S19 1/4 — S30 1989</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case, in a drill hole, beneath the stainless steel post.</p> <p>Cor. is located 20 lks. W. of a trail road, bears N. and S.</p>
80.03	<p>The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., a railroad spike, set, mkd. and witnessed as described in the field notes of the survey of the E. bdy. of T. 28 N., R. 30 E., executed concurrently under this same group.</p> <p>Land, rugged. Soil, rocky clay. Timber, dense piñon and juniper; undergrowth, sparse rabbitbrush and native grasses.</p>
36.85	<p>From the cor. of secs. 19, 20, 29, and 30.</p> <p>N. 0°01' E., bet. secs. 19 and 20.</p> <p>Over rugged land, through dense timber.</p> <p>Trail road, bears NE and SW.</p> <p>Enter rolling land.</p>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

<p>CHAINS 40.00</p>	<p>Point for the 1/4 sec. cor. of secs. 19 and 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E 1/4 S19 S20 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 17 ins. diam., bears S. 43 1/2° E., 135 1/2 lks. dist., mkd. 1/4 S20 BT.</p> <p style="padding-left: 40px;">A piñon, 21 ins. diam., bears S. 60 1/4° W., 283 1/2 lks. dist., mkd. 1/4 S19 BT.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>44.00 Wash, 18 lks. wide, 25 ft. deep, drains E.</p> <p>47.80 Wash, 20 lks. wide, 20 ft. deep, drains E.</p> <p>50.20 Trail road, bears E. and W.</p> <p>57.18 Center of octagonal hogan, 15 ft. diam., bears East, 22 lks. dist.</p> <p>72.70 An iron pipe projecting from the cut sandstone block cover of a spring, bears East, 11.14 chs. dist.</p> <p>80.00 Point for the cor. of secs. 17, 18, 19, and 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E S18 S17 ----- S19 S20 1989</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p>Cor. is located 12 lks. N. of a trail road, bears E. and W., in an open sagebrush covered flat with numerous erosion gullies draining easterly.</p> <p>Land, rugged and rolling. Soil, rocky clay. Timber, piñon and juniper; undergrowth, sagebrush and native grasses.</p> <hr/> <p>East, bet. secs. 17 and 20.</p> <p>Over nearly level land.</p> <p>22.50 Ridge, 30 ft. high, bears NNE and SSW.</p> <p>26.40 Power line, 4 strand, bears NNE and SSW.</p> <p>26.70 Power line, 2 strand, bears ESE and WNW.</p> <p>29.00 Graded road, 30 lks. wide, bears NE in curve to the right.</p> <p>29.77 Barbed wire fence, 5 strand, bears NNE and SSW.</p> <p>34.56 Barbed wire fence, 4 strand, bears SSE and NNW.</p> <p>34.80 Graded road, 25 lks. wide, bears SSE and NNW.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 17 and 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E S17 1/4 — S20 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears S. 35° W., 68 lks. dist., mkd. 1/4 S20 BT.</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 34 1/2° W., 34 1/2 lks. dist., mkd. 1/4 S17 BT.</p>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	<p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Cor. is located on the NW slope of a low ridge, bears NE and SW, 10 ft. below the top.</p> <p>62.50 Center of Black Creek, 4 chs. wide, 3 ft. deep, drains SSE.</p> <p>79.03 Point for the closing cor. of secs. 17 and 20, at intersection with the Arizona-New Mexico State Line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td style="padding-right: 5px;">T28N</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">S17</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">CC</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">S20</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">R31E</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">1989</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> </table> </div> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the 81 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears N. 0°31' E., 36.635 chs. dist.</p> <p>Land, nearly level. Soil, sand and sandy clay. Timber, scattered piñon and juniper; undergrowth, sparse rabbitbrush and native grasses.</p> <hr/> <p>Point for the 1/4 sec. cor. of sec. 20 only, at midpoint on the E. bdy. of sec. 20, on the Arizona-New Mexico State Line.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td style="padding-right: 5px;">T28N</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">R31E</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">S20 1/4</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> <tr><td style="padding-right: 5px;">1989</td><td style="border-left: 1px solid black; padding-left: 5px;"></td></tr> </table> </div> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>	T28N		S17		CC		S20		R31E		1989		T28N		R31E		S20 1/4		1989	
T28N																					
S17																					
CC																					
S20																					
R31E																					
1989																					
T28N																					
R31E																					
S20 1/4																					
1989																					

BOOK 5342

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p>From this cor. point, the 82 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears S. 0°31' W., 3.885 chs. dist.</p> <hr/> <p>From the cor. of secs. 17, 18, 19, and 20.</p> <p>N. 89°59' W., bet. secs. 18 and 19.</p> <p>Over rugged land on steep ascent, through dense timber.</p>
40.03	<p>Point for the 1/4 sec. cor. of secs. 18 and 19.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E S18 1/4 — S19 1989</p> <p>from which</p> <p style="padding-left: 40px;">A ponderosa pine, 25 ins. diam., bears S. 45 1/2° W., 110 1/2 lks. dist., mkd. 1/4 S19 BT.</p> <p style="padding-left: 40px;">A piñon, 13 ins. diam., bears N. 19 1/2° W., 56 lks. dist., mkd. 1/4 S18 BT.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
80.06	<p>The cor. of 13, 18, 19, and 24, on the W. bdy. of the Tp., a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the E. bdy. of T. 28 N., R. 30 E., executed concurrently under this same group.</p> <p>Land, rugged. Soil, rocky clay. Timber, dense piñon, juniper and ponderosa pine; undergrowth, sparse native grasses.</p> <hr/>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p>From the cor. of secs. 17, 18, 19, and 20.</p> <p>N. 0°01' E., bet. secs. 17 and 18.</p> <p>Over nearly level land.</p>
27.15	Trail road, bears SSE and NNW.
40.00	<p>Point for the 1/4 sec. cor. of secs. 17 and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T28N R31E 1/4 S18 S17 1989</p> </div> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Cor. located in an open sagebrush covered flat.</p>
54.10	Trail road, bears E. and W.
75.00	Wash, 100 lks. wide, 20 ft. deep, drains ESE.
80.00	<p>Point for the cor. of secs. 7, 8, 17, and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T28N R31E S 7 S 8 ----- S18 S17 1989</p> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 18 ins. diam., bears S. 16 1/4° E., 72 lks. dist., mkd. T28N R31E S17 BT.</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 85° W., 60 1/2 lks. dist., mkd. T28N R31E S7 BT.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p>Land, nearly level to rolling. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, dense sagebrush.</p>
	<hr/>
	<p>East, bet. secs. 8 and 17.</p>
	<p>Over rugged land through medium timber.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 8 and 17.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T28N R31E S 8 1/4 — S17 1989</p>
	<p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
	<p>Cor. is located 185 lks. N. of a trail road, bears SE and NW.</p>
	<p>Descend to nearly level land.</p>
59.00	<p>Graded road, 30 lks. wide, bears N. and S.</p>
73.64	<p>Point for a witness point on line bet. secs. 8 and 17.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T28N R31E WP S 8 — S17 1989</p>
	<p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
	<p>Cor. is located 5 lks. W. of an underground pipeline, bears N. and S., and 25 lks. W. of a trail road, bears N. and S.</p>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS									
75.25	Right bank of Black Creek, bears N. and S.								
	Enter bed of Black Creek.								
79.72	Point for the closing cor. of secs. 8 and 17, at intersection with the Arizona-New Mexico State Line.								
	Set a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case 30 ins. below the surface of the ground.								
	Cor. is located in Black Creek, drains S.								
	From this cor. point, the 80 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears N. 0°31' E., 37.165 chs. dist.								
	Land, rugged to nearly level.								
	Soil, sand, sandy clay and rocky clay.								
	Timber, piñon and juniper; undergrowth, sparse sagebrush, rabbitbrush and native grasses.								
	<hr/>								
	Point for the 1/4 sec. cor. of sec. 17 only, at midpoint on the E. bdy. of sec. 17, on the Arizona-New Mexico State Line.								
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.								
	<div style="text-align: center;"> <table border="0"> <tr> <td>T28N</td> <td> </td> </tr> <tr> <td>R31E</td> <td> </td> </tr> <tr> <td>S17 1/4</td> <td> </td> </tr> <tr> <td>1989</td> <td></td> </tr> </table> </div>	T28N		R31E		S17 1/4		1989	
T28N									
R31E									
S17 1/4									
1989									
	Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.								
	Cor. is located in a formerly cultivated area.								
	From this cor. point, the 81 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears S. 0°31' W., 3.36 chs. dist.								
	<hr/>								
	From the cor. of secs. 7, 8, 17, and 18.								
	N. 89°58' W. bet. secs. 7 and 18.								

BOOK 5342

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	<p>Over rugged land on steep ascent, through dense timber.</p> <p>26.10 Bottom of canyon, 3 chs. wide, 80 ft. deep, drains SSE.</p> <p>40.025 Point for the 1/4 sec. cor. of secs. 7 and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E S 7 1/4 — S18 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 9 ins. diam., bears S. 8° W., 83 lks. dist., mkd. 1/4 S18 BT.</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 29 1/4° W., 93 lks. dist., mkd. 1/4 S7 BT.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>77.40 E. right-of-way fence of Navajo Route 7, barbed wire, 5 strand, parallels highway.</p> <p>78.93 Center of Navajo Route 7, asphalt surfaced, 55 lks. wide, bears NNE and SSW.</p> <p>80.05 The cor. of secs. 7, 12, 13, and 18, on the W. bdy. of the Tp., a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the E. bdy. of T. 28 N., R. 30 E., executed concurrently under this same group.</p> <p>Land, rugged. Soil, rocky and sandy clay. Timber, dense piñon, juniper and ponderosa pine; undergrowth, sparse native grasses.</p> <hr/> <p>From the cor. of secs. 7, 8, 17, and 18.</p> <p>N. 0°01' E., bet. secs. 7 and 8.</p>
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BOOK 5342

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>40.00</p> <p>80.00</p>	<p>Over rugged land.</p> <p>Point for the 1/4 sec. cor. of secs. 7 and 8.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E 1/4 S 7 S 8 1989</p> <p>from which</p> <p style="padding-left: 40px;">A forked piñon, 15 ins. diam. at base, bears S. 75 3/4° E., 65 1/2 lks. dist., mkd. 1/4 S8 BT.</p> <p style="padding-left: 40px;">A piñon, 11 ins. diam., bears S. 16 3/4° W., 45 1/2 lks. dist., mkd. 1/4 S7 BT.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Point for the cor. of secs. 5, 6, 7, and 8.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 ins. stem, in a drill hole, cemented in place, in exposed sandstone bedrock, with top mkd.</p> <p style="text-align: center;">T28N R31E S 6 S 5 ----- S 7 S 8 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears N. 8 1/2° E., 73 lks. dist., mkd. T28N R31E S5 BT.</p> <p style="padding-left: 40px;">A piñon, 5 ins. diam., bears S. 76 1/4° E., 46 1/2 lks. dist., mkd. X BT.</p> <p style="padding-left: 40px;">A forked juniper, 11 ins. diam. at base, bears N. 80° W., 29 lks. dist., mkd. T28N R31E S6 BT.</p>
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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
	<p>Deposit a magnet, 1 in. long, 7/8 in. diam., in the drill hole beneath the brass tablet.</p> <p>Cor. is located 120 lks. E. and 200 lks. S. of a graded road, 15 lks. wide, bears NNE and SSW.</p> <p>Land, rugged. Soil, rocky clay. Timber, dense piñon and juniper; undergrowth, sparse native grasses.</p>
	<p>East, bet. secs. 5 and 8.</p>
	<p>Over rugged land on steep descent.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 5 and 8.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E S 5 1/4 — S 8 1989</p>
	<p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
62.45	<p>Easternmost cor. of a frame house, 32 x 24 ft., bears North, 18.50 chs. dist., long side bears WSW.</p>
74.80	<p>Graded road, 32 lks. wide, bears SSE and NNW.</p> <p>Enter nearly level land.</p>
79.20	<p>Center of Black Creek, 77 lks. wide, 1 ft. deep, drains S.</p>
80.42	<p>Point for the closing cor. of secs. 5 and 8, at intersection with the Arizona-New Mexico State Line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS

T28N	
S 5	
CC	
S 8	
R31E	
1989	

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

From this cor. point, the 79 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears N. 0°31' E., 37.705 chs. dist.

Land, rugged to nearly level.
Soil, sand, sandy clay and rocky clay.
Timber, scattered piñon and juniper; undergrowth, sparse rabbitbrush and native grasses.

Point for the 1/4 sec. cor. of sec. 8 only, at midpoint on the E. bdy. of sec. 8, on the Arizona-New Mexico State Line.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T28N	
R31E	
S 8 1/4	
1989	

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Cor. is located 45 lks. W. of the right bank of Black Creek, 1 ft. high, bears N. and S.

From this cor. point, the 80 Mile Post on the Arizona-New Mexico State Line, hereinbefore described, bears S. 0°31' W., 2.825 chs. dist.

Point for the 1/4 sec. cor. of sec. 5 only, 40.00 chs. in northing from the closing cor. of secs. 5 and 8, on the Arizona-New Mexico State Line.

Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
27 ins. in the ground, with brass cap mkd.

T28N |
R31E |
S 5 1/4 |
1989

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic
case beneath the stainless steel post.

From this cor. point, the 79 Mile Post on the Arizona-New Mexico
State Line, hereinbefore described, bears S. 0°31' W., 2.295 chs.
dist.

From the cor. of secs. 5, 6, 7, and 8.

N. 89°57' W., bet secs. 6 and 7.

Over rugged land on steep ascent, through dense timber.

40.025 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.,
10 ins. in the ground, to bedrock, and in a mound of stone, 5 ft.
base, to top, with brass cap mkd.

T28N R31E
S 6
1/4 —
S 7
1989

from which

A ponderosa pine, 16 ins. diam., bears N. 44 1/2° E.,
58 1/2 lks. dist., mkd. 1/4 S6 BT.

A piñon, 8 ins. diam., bears S. 50 3/4° E.,
45 lks. dist., mkd. 1/4 S7 BT.

Deposit a magnet, 1 in. long, 7/8 in. diam., in a drill hole
beneath the stainless steel post.

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS	
80.05	<p>The cor. of secs. 1, 6, 7, and 12, on the W. bdy. of the Tp., a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the E. bdy. of T. 28 N., R. 30 E., executed concurrently under this same group.</p> <p>Land, rugged. Soil, sandy and rocky clay. Timber, dense piñon, juniper and ponderosa pine; undergrowth, sparse native grasses.</p>
	<p>From the cor. of secs. 5, 6, 7, and 8.</p> <p>N. 0°01' E., bet. secs. 5 and 6.</p> <p>Over rugged land, through dense timber.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 5 and 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T28N R31E 1/4 S 6 S 5 1989</p> <p>from which</p> <p style="padding-left: 40px;">A piñon, 13 ins. diam., bears N. 57 1/2° E., 78 1/2 lks. dist., mkd. 1/4 S5 BT.</p> <p style="padding-left: 40px;">A juniper, 8 ins. diam., bears S. 69 3/4° W., 19 1/2 lks. dist., mkd. 1/4 S6 BT.</p> <p>Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
58.60	Trail road, atop hogback ridge, bears SE and NW.
75.35	Trail road, bears E. and W.
75.80	Point for the closing cor. of secs. 5 and 6, at intersection with the Seventh Standard Parallel North, the N. bdy. of the Tp.

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
12 ins. in the ground, to bedrock, and in a mound of stone, 5 ft.
base, to top, with brass cap mkd.

T29N R31E
S31

S 6	S 5
T28N R31E	
CC	
1989	

from which

A piñon, 8 ins. diam., bears S. 33 1/4° E.,
103 lks. dist., mkd. T28N R31E S5 CC BT.

A piñon, 6 ins. diam., bears S. 33 3/4° W.,
33 1/2 lks. dist., mkd. T28N R31E S6 CC BT.

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic
case beneath the stainless steel post.

From this cor. point, the stan. cor. of T. 29 N., Rs. 30 and
31 E., a stainless steel post, 2 1/2 ins. diam., with brass cap,
set, mkd. and witnessed as described in the field notes of the
survey of the S. bdy. of T. 29 N., R. 30 E., identical with the
Seventh Standard Parallel North, through R. 30 E., executed
concurrently under this same group, bears West, 12.25 chs. dist.

Land, rugged.

Soil, sandy and rocky clay.

Timber, piñon, juniper and ponderosa pine; undergrowth, sparse
native grasses.

Point for the 1/4 sec. cor. of sec. 5 only, 40.00 chs. in easting
from the closing cor. of secs. 5 and 6, on the Seventh Standard
Parallel North, the N. bdy. of the Tp.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
22 ins. in the ground, with brass cap mkd.

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Survey of the Subdivisional Lines, T. 28 N., R. 31 E.,
Gila and Salt River Mer., Arizona

CHAINS

T29N R31E

1/4 S 5
T28N R31E
1989

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Cor. is located in an open sagebrush covered flat.

From this cor. point, the stan. 1/4 sec. cor. of sec. 31, T. 29 N., R. 31 E., a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd. and witnessed as described in the field notes of the survey of the S. bdy. of T. 29 N., R. 31 E., identical with the Seventh Standard Parallel North, through R. 31 E., executed concurrently under this same group, bears West, 12.25 chs. dist.

Point for the 1/4 sec. cor. of sec. 6 only, at midpoint on the N. bdy. of sec. 6, on the Seventh Standard Parallel North.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T29N R30E

1/4 S 6
T28N R31E
1989

Deposit a magnet enclosed in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Cor. is located on the E. slope of a ridge, bears N. and S., 10 ft. below the top, and 42 lks. S. of a narrow gully, 15 ft. deep, drains ENE.

From this cor., the stan. 1/4 sec. cor. of sec. 36, T. 29 N., R. 30 E., a brass tablet, 3 1/4 ins. diam., set, mkd. and witnessed as described in the field notes of the survey of the S. bdy. of T. 29 N., R. 30 E., identical with the Seventh Standard Parallel North, through R. 30 E., executed concurrently under this same group, bears West, 12.225 chs. dist.

T. 28 N., R. 31 E., Gila and Salt River Mer., Arizona

CHAINS

GENERAL DESCRIPTION

Township 28 North, Range 31 East is located in Apache County, Arizona and lies entirely within the the Navajo Indian Reservation. The south boundary of the township is 1.7 miles north of the community of Ft. Defiance, Arizona. The elevation varies from 6900 to 7800 ft. above sea level. The soil is predominately sand, sandy clay and rocky clay with some sandstone outcrops.

The principal drainage is Black Creek, which drains southerly through the eastern portion of the township. Numerous secondary drainages empty into Black Creek. Vegetation is predominately native grasses and sagebrush with piñon, juniper and ponderosa pine at the higher elevations.

The terrain varies from nearly level to rugged. The west half of the township is densely forested. The east half is mainly the valley of Black Creek.

The principal land use is livestock grazing. No evidence of active mining was noted.

Navajo Route 7 passes through the extreme southwest corner of section 31, then continues northerly to skirt the west boundary of the township, briefly crossing the west boundaries of sections 30, 18 and 7. A major graded road, which roughly parallels the right bank of Black Creek, passes through sections 32, 29, 20, 17, 8 and 5. In addition, access is provided throughout the township by numerous trail roads.

The mean magnetic declination is 12 1/2° E.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Daniel Bryan	Navajo Engineering Technician II
Wilfred Chee	Navajo Engineering Technician II
Reuben Mason	Navajo Engineering Technician II
Andrew Murphy	Navajo Engineering Technician II
Rebecca Ramirez	Surveying Technician
Barney Woodie	Navajo Engineering Technician II

CERTIFICATE OF SURVEY

We, Kevin R. DeRossett and Olian T. Shockley, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of November, 1987, we have performed the dependent resurvey of a portion of the Arizona-New Mexico State Line between the 79 Mile Post and the 84 Mile Post and the survey of the subdivisional lines of Township 28 North, Range 31 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 us and under our direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Kevin R. DeRossett is no longer assigned to this office and is not available for signature.

November 12, 1991
(Date)

William F. Oliver
(Chief, Navajo Cadastral Sec.)

11/11/1991
(Date)

Olian T. Shockley
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Arizona-New Mexico State Line between the the 78 Mile Post and the 84 Mile Post and the survey of the subdivisional lines of Township 28 North, Range 31 East, Gila and Salt River Meridian, Arizona, executed by Kevin R. DeRossett and Olian T. Shockley, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

DEC 18 1991

(Date)

James P. Kelly
(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. 28 N., R. 31 E., Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~