

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

SURVEY OF

THE NINTH STANDARD PARALLEL NORTH, (SOUTH BOUNDARY),

THE EAST BOUNDARY,

A PORTION OF THE WEST BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTIONS 29 AND 32,

TOWNSHIP 37 NORTH, RANGE 18 EAST,

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

EXECUTED BY

Jones Curtiss, Cadastral Surveyor

Under Special Instructions dated and approved June 6, 1996, which provided for the surveys included under Group Number 802 and assignment instructions dated June 6, 1996.

Survey Commenced November 5, 1996

Survey Completed August 28, 1997

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 18 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of the Ninth Standard Parallel North, (south boundary), the east boundary, a portion of the west boundary, a portion of the subdivisional lines, and the subdivision of sections 29 and 32, Township 37 North, Range 18 East, Gila and Salt River Meridian, Arizona.

The standard corner of Tps. 37 N., Rs. 17 and 18 E., was established by Jones Curtiss in 1996-97, 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 June 6, 1996, for Group No. 802, Arizona.

The directions of all lines were determined by the technique of differential positioning using the Ashtech M-Series Geodetic Positioning System and direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with Sokkia SET2BII and Topcon GTS3B total station instruments.

The geographic position of the southeast corner of the township was determined by the technique of differential positioning using the Ashtech M-Series Geodetic Positioning System. First order National Geodetic Survey triangulation stations "COAL MINE 1951" and "KAYENTA 1951" were used as control stations. The geographic position is as follows:

Lat.: 36°33'48.859" N. Long.: 110°20'37.372" W. NAD83 (1992)

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

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Beginning at the stan. cor. of Tps. 37 N., Rs. 17 and 18 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 Ninth Standard Parallel North, (south boundary), T. 37 N., R 17 E., executed concurrently under this same group.</p>
	<p>East, on the S. bdy. of sec. 31.</p>
	<p>Over broken and rolling land.</p>
27.80	<p>Woven wire and barbed wire fence, bears ENE and WSW; thence enter area reclaimed after mining.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 31.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R18E 1/4 S31 <hr/>1997</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
77.69	<p>Woven wire and barbed wire fence, bears ESE and WNW; thence leave area reclaimed after mining.</p>
79.70	<p>Graded road, 20 ft. wide, bears NNE and SSW.</p>
80.00	<p>Point for the stan. cor of secs. 31 and 32.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R18E S31 S32 <hr/>1997</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
	<p>Set a steel fence post nearby.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Cor. is located 2.10 chs. S. of a graded road, 20 ft. wide, bears NNE and SSW; 47 lks. N. of a woven wire and barbed wire fence, bears ESE and WNW; and 1.45 chs. W. of a wash, 20 ft. wide, 4 ft. deep, drains SSE.</p> <p>From this cor. point, a closed end iron pipe, 3 1/2 ins. diam., firmly set, projecting 13 ins. above ground, bears N. 63°55' E., 1.13 chs. dist., with top mkd. PEABODY COAL CO. COR. #2 NAVAJO.</p> <p>Land, broken and rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses, with various grasses in reclaimed area.</p>
40.00	<p>East, on the S. bdy. of sec. 32.</p> <p>Over rolling and broken land.</p> <p>Point for the stan. 1/4 sec. cor. of sec. 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>SC T37N R18E 1/4 S32</p> <hr style="width: 10%; margin: auto;"/> <p>1997</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 2.40 chs. S. of a trail road, bears NE and SW.</p>
80.00	<p>Point for the stan. cor. of secs. 32 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>SC T37N R18E S32 S33</p> <hr style="width: 10%; margin: auto;"/> <p>1997</p> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 14 ins. diam., bears N. 19 1/4° E., 2.29 chs. dist., mkd. T37N R18E S33 SC BT.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
	<p>East, on the S. bdy. of sec. 33.</p> <p>Over rolling and broken land.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R18E 1/4 S33 ----- 1997</p> <p>from which</p> <p style="text-align: center;">A piñon, 12 ins. diam., bears N. 62° W., 68 lks. dist., mkd. 1/4 S33 SC BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
55.10	Graded road, 15 ft. wide, bears NE and SW.
59.70	Yellow Water Canyon Wash, 90 ft. wide, 15 ft. deep, drains SW.
80.00	<p>Point for the stan. cor. of secs. 33 and 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R18E S33 S34 ----- 1997</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>from which</p> <p>A piñon, 10 ins. diam., bears N. 10 1/4° E., 88 lks. dist., mkd. T37N R18E S34 SC BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, sagebrush, greasewood and native grasses.</p>
	<p>East, on the S. bdy. of sec. 34.</p> <p>Over rolling land.</p>
4.25	Northernmost cor. of an octagonal wood sided hogan, 20 ft. diam., bears South, 1.06 chs. dist., sides bear SE and WSW.
5.31	NW cor. of a concrete block house, 30 x 22 ft., bears South, 1.12 chs. dist., long side bears S.
6.30	Graded road, 18 ft. wide, bears N. and S.
26.09	Woven wire and barbed wire fence, bears NNE and SSW; thence enter area reclaimed after mining.
30.90	Graded road, 18 ft. wide, bears NE and SW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 34.
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R18E 1/4 S34 ----- 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post nearby.</p>
46.10	Graded road, 18 ft. wide, bears SE and NW.
80.00	Point for the stan. cor. of secs. 34 and 35.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R18E S34 S35 ----- 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post nearby.</p> <p>Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses, with various grasses in reclaimed area.</p>
	<p>East, on the S. bdy. of sec. 35.</p> <p>Over rolling land through an area reclaimed after mining.</p>
22.95	<p>Woven wire and barbed wire fence, bears SE and NW; thence leave area reclaimed after mining.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 35.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R18E 1/4 S35 ----- 1997</p>
	<p>from which</p>
	<p style="text-align: center;">A piñon, 10 ins. diam., bears N. 8 1/2° E., 65 lks. dist., mkd. 1/4 S35 SC BT.</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>Point for the stan. cor. of secs. 35 and 36.</p>
	<p>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.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">SC T37N R18E S35 S36 ----- 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.</p> <p>Land, rolling to broken. Soil, sandy and rocky clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses, with various grasses in reclaimed area.</p> <hr/> <p>East, on the S. bdy. of sec. 36.</p> <p>Over rolling and broken land.</p>
28.01	<p>From this point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 24 ins. above ground, bears North, 0.28 ch. dist., with top mkd. PEABODY COAL CO. COR. #18 NAVAJO.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R18E 1/4 S36 ----- 1997</p>
	<p>from which</p> <p style="padding-left: 40px;">A piñon, 7 ins. diam., bears N. 2° W., 73 lks. dist., mkd. 1/4 S36 SC BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>Point for the stan. cor. of Tps. 37 N., Rs. 18 and 19 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">SC T37N R18E R19E S36 S31 ----- 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 80 lks. W. of a graded road, 15 ft. wide, bears NE and SW.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p> <hr/> <p style="text-align: center;">Survey of the East Boundary, T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the stan. cor. of Tps. 37 N., Rs. 18 and 19 E., on the Ninth Standard Parallel North, hereinbefore described.</p> <p>North, bet. secs. 31 and 36.</p> <p>Over broken land over spur ridges.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E R19E 1/4 S36 S31 1997</p> <p>from which</p> <p style="text-align: center;">A piñon, 11 ins. diam., bears S. 45 3/4° E., 97 lks. dist., mkd. 1/4 S31 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 6 lks. N. of N. bank of a wash, 14 ft. wide, 3 ft. deep, drains E. in curve to left.</p>
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Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS													
80.00	<p>Point for the cor. of secs. 25, 30, 31, and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">T37N</td></tr> <tr><td>R18E</td><td>R19E</td></tr> <tr><td>S25</td><td>S30</td></tr> <tr><td colspan="2">— —</td></tr> <tr><td>S36</td><td>S31</td></tr> <tr><td colspan="2">1997</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">The mks. X B0 chiseled on the face of a sandstone boulder, 8 x 5 x 6 ft., bear N. 35 1/4° W., 18 lks. dist.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>From this cor. point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 26 ins. above ground, bears N. 80 3/4° E., 81 lks. dist., mkd. PEABODY COAL CO. COR. #12 NAVAJO.</p> <p>Land, broken. Soil, rocky and sandy clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p> <hr/> <p>North, bet. secs. 25 and 30.</p> <p>Over rolling and broken land.</p>	T37N		R18E	R19E	S25	S30	— —		S36	S31	1997	
T37N													
R18E	R19E												
S25	S30												
— —													
S36	S31												
1997													
40.00	<p>Point for the 1/4 sec. cor. of secs. 25 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">T37N</td></tr> <tr><td>R18E</td><td>R19E</td></tr> <tr><td colspan="2">1/4</td></tr> <tr><td>S25</td><td>S30</td></tr> <tr><td colspan="2">1997</td></tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>	T37N		R18E	R19E	1/4		S25	S30	1997			
T37N													
R18E	R19E												
1/4													
S25	S30												
1997													
64.30	<p>Graded road, 15 ft. wide, bears ENE and WSW.</p>												

Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS																							
80.00	<p>Thence descend into Yellow Water Canyon.</p> <p>Point for the cor. of secs. 19, 24, 25, and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td colspan="2">T37N</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">R18E</td><td style="padding: 2px;">R19E</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">S24</td><td style="padding: 2px;">S19</td></tr> <tr><td colspan="2" style="border-top: 1px solid black; border-bottom: 1px solid black;"></td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">S25</td><td style="padding: 2px;">S30</td></tr> <tr><td colspan="2" style="padding: 2px;">1997</td></tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>From this cor. point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 18 ins. above a mound of stone, 3 ft. base, 2 ft. high, bears N. 82°26' E., 1.29 chs. dist., mkd. PEABODY COAL CO. COR. #13 NAVAJO.</p> <p>Land, rolling and broken. Soil, rocky and sandy clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p> <hr/> <p>North, bet. secs. 19 and 24.</p> <p>Over rolling and broken land across Yellow Water Canyon and a canyon draining SSE into Yellow Water Canyon.</p> <p>Point for the 1/4 sec. cor. of secs. 19 and 24.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td colspan="2">T37N</td></tr> <tr><td style="padding: 2px;">R18E</td><td style="padding: 2px;">R19E</td></tr> <tr><td colspan="2" style="padding: 2px;">1/4</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">S24</td><td style="padding: 2px;">S19</td></tr> <tr><td colspan="2" style="padding: 2px;">1997</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears N. 59 1/2° E., 1.015 chs. dist., mkd. 1/4 S19 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>	T37N		R18E	R19E	S24	S19			S25	S30	1997		T37N		R18E	R19E	1/4		S24	S19	1997	
T37N																							
R18E	R19E																						
S24	S19																						
S25	S30																						
1997																							
T37N																							
R18E	R19E																						
1/4																							
S24	S19																						
1997																							
40.00																							

Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS													
	Thence over rolling land.												
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., 26 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> <table border="1"> <tr><td colspan="2">T37N</td></tr> <tr><td>R18E</td><td>R19E</td></tr> <tr><td>S13</td><td>S18</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S24</td><td>S19</td></tr> <tr><td colspan="2">1997</td></tr> </table> </div>	T37N		R18E	R19E	S13	S18	<hr/>		S24	S19	1997	
T37N													
R18E	R19E												
S13	S18												
<hr/>													
S24	S19												
1997													
	from which <div style="margin-left: 40px;"> <p>A piñon, 11 ins. diam., bears N. 83 1/4° E., 67 lks. dist., mkd. T37N R19E S18 BT.</p> <p>A piñon, 6 ins. diam., bears S. 13 1/4° E., 80 lks. dist., mkd. X BT.</p> <p>A piñon, 11 ins. diam., bears S. 47 1/4° W., 59 1/2 lks. dist., mkd. T37N R18E S24 BT.</p> </div>												
	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, rocky and sandy clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.												
	North, bet. secs. 13 and 18. Over rolling and broken land.												
25.40	Graded road, 18 ft. wide, bears NE and SW.												
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., 20 ins. in the ground, to bedrock, in a mound of stone, 2 ft. base, to top, with brass cap mkd. <div style="text-align: center;"> <table border="1"> <tr><td colspan="2">T37N</td></tr> <tr><td>R18E</td><td>R19E</td></tr> <tr><td colspan="2">1/4</td></tr> <tr><td>S13</td><td>S18</td></tr> <tr><td colspan="2">1997</td></tr> </table> </div>	T37N		R18E	R19E	1/4		S13	S18	1997			
T37N													
R18E	R19E												
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S13	S18												
1997													

Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS									
	<p>from which</p> <p style="text-align: center;">A forked juniper, 9 ins. diam. at base, bears S. 54 3/4° W., 47 1/2 lks. dist., mkd. 1/4 S13 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>								
80.00	<p>Point for the cor. of secs. 7, 12, 13, and 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N</p> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="border-right: 1px solid black; padding: 2px;">R18E</td> <td style="padding: 2px;">R19E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S12</td> <td style="padding: 2px;">S 7</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S13</td> <td style="padding: 2px;">S18</td> </tr> <tr> <td colspan="2" style="padding: 2px;">1997</td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located on a spur ridge, bears NE and SW.</p> <p>Land, rolling and broken. Soil, rocky and sandy clay with rock outcrops. Timber, pifion, juniper and ponderosa pine; undergrowth, brush and native grasses.</p>	R18E	R19E	S12	S 7	S13	S18	1997	
R18E	R19E								
S12	S 7								
S13	S18								
1997									
40.00	<p>North, bet. secs. 7 and 12.</p> <p>Over broken land on abrupt descent into a canyon and thence along steep E. slope of canyon.</p> <p>Point for the 1/4 sec. cor. of secs. 7 and 12.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N</p> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 2px;">R18E</td> <td style="padding: 2px;">R19E</td> </tr> <tr> <td colspan="2" style="padding: 2px;">1/4</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S12</td> <td style="padding: 2px;">S 7</td> </tr> <tr> <td colspan="2" style="padding: 2px;">1997</td> </tr> </table> </div>	R18E	R19E	1/4		S12	S 7	1997	
R18E	R19E								
1/4									
S12	S 7								
1997									

Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS

from which

The mks. X B0, chiseled on the face of a sandstone cliff,
bear S. 7° E., 47 1/2 lks. dist.

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 canyon, bears NNE and SSW; at
foot of a sandstone ledge, 6 ft. high.

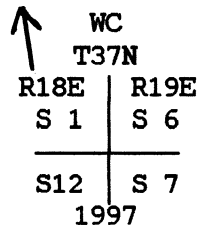
Thence over broken land along steep E. slope of a canyon.

80.00

True point for the cor. of secs. 1, 6, 7, and 12, falls on face
of a sandstone cliff, where it is impracticable to establish a
monument.

From this cor. point, the point selected for the witness cor. to
the cor. of secs. 1, 6, 7, and 12, bears S. 8°00' E., 0.135 ch.
dist.

Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented
in place, in a drill hole, atop a sandstone boulder,
9 x 6 x 6 ft., with top mkd.



from which

The mks. X B0, chiseled on the face of a sandstone cliff,
bear N. 67° E., 13 1/2 lks. dist.

Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case
in the drill hole beneath the brass tablet.

Land, broken.

Soil, rocky and sandy clay with rock outcrops.

Timber, piñon, juniper, ponderosa pine and Douglas fir;
undergrowth, thick brush and native grasses.

North, bet. secs. 1 and 6.

Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over broken land on ascent from a canyon and thence over rolling land.
40.00	<p>Point for the 1/4 sec. cor. of secs. 1 and 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N R18E R19E 1/4 S 1 S 6 1997</p> </div> <p>from which</p> <p style="text-align: center;">A ponderosa pine, 16 ins. diam., bears N. 86 1/4° E., 1.30 chs. dist., mkd. 1/4 S6 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Thence over rolling land.</p>
80.00	<p>Point for the cor. of Tps. 37 and 38 N., Rs. 18 and 19 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T38N R18E R19E S36 S31 ----- S 1 S 6 T37N 1997</p> </div> <p>from which</p> <p style="text-align: center;">A ponderosa pine, 27 ins. diam., bears N. 55 1/2° W., 1.425 chs. dist., mkd. T38N R18E S36 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>

Survey of the East Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Land, rolling and broken. Soil, rocky and sandy clay with rock outcrops. Timber, ponderosa pine, piñon and juniper; undergrowth, brush and native grasses.</p> <hr/> <p style="text-align: center;">Survey of a Portion of the West Boundary, T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the stan. cor. of Tps. 37 N., Rs. 17 and 18 E., on the Ninth Standard Parallel North, hereinbefore described.</p> <p>North, bet. secs. 31 and 36.</p> <p>Over rolling and broken land.</p>
5.80	Graded road, 20 ft. wide, bears ENE and WSW.
38.95	Wash, 7 ft. wide, 2 ft. deep, drains E.
40.00	Point for the 1/4 sec. cor. of secs. 31 and 36.
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R17E R18E 1/4 S36 S31 1997</p> <p>from which</p> <p style="padding-left: 40px;">A juniper, 9 ins. diam., bears N. 25 1/2° E., 58 lks. dist., mkd. 1/4 S31 BT.</p> <p style="padding-left: 40px;">A piñon, 8 ins. diam., bears S. 20 1/2° W., 1.41 chs. dist., mkd. 1/4 S36 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	Point for the cor. of secs. 25, 30, 31, and 36.
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the West Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS													
	<div style="text-align: center;"> <table border="1"> <tr><td colspan="2">T37N</td></tr> <tr><td>R17E</td><td>R18E</td></tr> <tr><td>S25</td><td>S30</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td>S36</td><td>S31</td></tr> <tr><td colspan="2">1997</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 7 ins. diam., bears N. 5 3/4° E., 1.44 chs. dist., mkd. T37N R18E S30 BT.</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears S. 70° W., 36 1/2 lks. dist., mkd. T37N R17E S36 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>	T37N		R17E	R18E	S25	S30	-----		S36	S31	1997	
T37N													
R17E	R18E												
S25	S30												

S36	S31												
1997													
40.00	<p>North, bet. secs. 25 and 30.</p> <p>Over broken and rolling land</p> <p>Point for the 1/4 sec. cor. of secs. 25 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td colspan="2">T37N</td></tr> <tr><td>R17E</td><td>R18E</td></tr> <tr><td colspan="2">1/4</td></tr> <tr><td>S25</td><td>S30</td></tr> <tr><td colspan="2">1997</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A juniper, 9 ins. diam., bears N. 10 1/2° W., 37 lks. dist., mkd. 1/4 S25 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Point for the cor. of secs. 19, 24, 25, and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>	T37N		R17E	R18E	1/4		S25	S30	1997			
T37N													
R17E	R18E												
1/4													
S25	S30												
1997													
80.00													

Survey of a Portion of the West Boundary,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

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T37N																					
R17E	R18E																				
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T37N R18E																					
1/4																					
S35	S36																				
1997																					

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS									
	<p>from which</p>								
	<p>A piñon, 7 ins. diam., bears N. 2 1/2° W., 43 lks. dist., mkd. 1/4 S35 BT.</p>								
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>								
	<p>Thence over broken land along E. slope of a canyon and ascent from canyon.</p>								
74.70	<p>Graded road, 15 ft. wide, bears NE and SW; thence over rolling land.</p>								
78.09	<p>Woven wire and barbed wire fence, bears ENE and WSW.</p>								
80.00	<p>Point for the cor. of secs. 25, 26, 35, and 36.</p>								
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>								
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T37N R18E									
S26	S25								
S35	S36								
1997									
	<p>from which</p>								
	<p>A piñon, 6 ins. diam., bears S. 54 3/4° W., 44 lks. dist., mkd. X BT.</p>								
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>								
	<p>Land, broken to rolling.</p>								
	<p>Soil, rocky and sandy clay with rock outcrops.</p>								
	<p>Timber, piñon and juniper; undergrowth, brush and native grasses.</p>								
	<p>From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp. hereinbefore described.</p>								
	<p>West, bet. secs. 25 and 36.</p>								
	<p>Over broken land.</p>								
40.00	<p>Point for the 1/4 sec. cor. of secs. 25 and 36.</p>								

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T37N R18E S25 1/4 — S36 1997</p>
	from which
	A piñon, 10 ins. diam., bears S. 18 1/2° W., 71 lks. dist., mkd. 1/4 S36 BT.
	A piñon, 9 ins. diam., bears N. 52 3/4° W., 18 lks. dist., mkd. 1/4 S25 BT.
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
72.80	Graded road, 15 ft. wide, bears ENE and WSW; thence over rolling land.
75.10	Woven wire and barbed wire fence, bears ENE and WSW.
80.00	The cor. of secs. 25, 26, 35, and 36.
	<p>Land, broken to rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
	From the stan. cor. of secs. 34 and 35, on the S. bdy. of the Tp., hereinbefore described.
	N. 0°01' W., bet. secs. 34 and 35.
	Over rolling land through area reclaimed after mining.
37.11	Woven wire and barbed wire fence, bears SE and NW; thence leave reclaimed area.
37.40	Graded road, 25 ft. wide, bears SE and NW.
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., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T37N R18E 1/4 S34 S35 1997</p> <p>from which</p> <p style="padding-left: 40px;">A juniper, 7 ins. diam., bears S. 74 3/4° W., 37 lks. dist., mkd. 1/4 S34 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
72.61	Barbed wire fence, 5 strands, bears NE and SW.
80.00	<p>Point for the cor. of secs. 26, 27, 34, and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T37N R18E S27 S26 ----- S34 S35 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 50 lks. E. of E. bank of Yellow Water Canyon Wash, 20 ft. high, bears NNE and SSW.</p> <p>Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses, with various grasses in reclaimed area.</p>
40.00	<p>From the cor. of secs. 25, 26, 35, and 36.</p> <p>West, bet. secs. 26 and 35.</p> <p>Over rolling and broken land.</p> <p>Point for the 1/4 sec. cor. of secs. 26 and 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T37N R18E S26 1/4 — S35 1997
	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. 26, 27, 34, and 35. Land, rolling and broken. Soil, sandy and rocky clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.
	From the stan. cor. of secs. 33 and 34, on the S. bdy. of the Tp., hereinbefore described. N. 0°02' W., bet. secs. 33 and 34. Over rolling and broken land.
19.50	Yellow Water Canyon Wash, 50 ft. wide, 12 ft. deep, drains WSW.
21.20	Graded road, 18 ft. wide, bears ENE and WSW.
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., 26 ins. in the ground, with brass cap mkd.
	T37N R18E 1/4 S33 S34 1997
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
52.80	SW cor. of a concrete block house, 46 x 25 ft., bears East, 17.65 chs. dist., long side bears ENE.
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., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS																			
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T37N R18E																			
S28	S27																		
S33	S34																		
1997																			
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1/4	—																		
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1997																			

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	<p>The cor. of secs. 27, 28, 33, and 34.</p> <p>Land, nearly level to rolling and broken. Soil, sandy and rocky clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
	<p>N. 0°02' W., bet. secs. 27 and 28.</p> <p>Over rolling and broken land.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 27 and 28.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N R18E 1/4 S28 S27 1997</p> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 7 ins. diam., bears N. 89 1/4° E., 61 1/2 lks. dist., mkd. 1/4 S27 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 1/2 lk. W. of a piñon stump, 13 ins. diam.</p>
80.00	<p>Point for the cor. of secs. 21, 22, 27, and 28.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N R18E S21 S22 ----- S28 S27 1997</p> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears N. 83° E., 1.045 chs. dist., mkd. T37N R18E S22 BT.</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears S. 32 3/4° E., 1.04 chs. dist., mkd. T37N R18E S27 BT.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>From this cor. point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 30 ins. above ground, bears S. 46°37' E., 2.62 chs. dist., with top mkd. PEABODY COAL CO. COR. #10 NAVAJO.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
	<p>From the stan. cor. of secs. 32 and 33, on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 0°03' W., bet. secs. 32 and 33.</p> <p>Over rolling and broken land.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 32 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E 1/4 S32 S33 1997</p> <p>from which</p> <p style="text-align: center;">A forked juniper, 9 ins. diam. at base, bears N. 73 1/2° E., 42 lks. dist., mkd. 1/4 S33 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>Point for the cor. of secs. 28, 29, 32, and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E S29 S28 ----- S32 S33 1997</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>from which</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 51°00' E., 26.0 ft. dist., with brass cap mkd. T37N R18E S28 RM 26.0 FT. TO COR. 1997 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.</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears S. 51°00' W., 32.0 ft. dist., with brass cap mkd. T37N R18E S32 RM 32.0 FT. TO COR. 1997 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.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of sec. cor.</p> <p>Cor. is located on N. edge of an eroded bladed road, 12 ft. wide, bears SE and NW.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
40.00	<p>From the cor. of secs. 27, 28, 33, and 34.</p> <p>West, bet. secs. 28 and 33.</p> <p>Over rolling and broken land.</p> <p>Point for the 1/4 sec. cor. of secs. 28 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E S28 1/4 — S33 1997</p> <p>from which</p> <p>A piñon, 7 ins. diam., bears S. 35° E., 23 lks. dist., mkd. 1/4 S33 BT.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>The mks. X B0, chiseled on the face of a sandstone boulder, 15 x 8 x 2 ft., bear N. 18 1/2° W., 23 lks. dist.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>The cor. of secs. 28, 29, 32, and 33.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
40.00	<p>N. 0°03' W., bet. secs. 28 and 29.</p> <p>Over rolling and broken land.</p> <p>Point for the 1/4 sec. cor. of secs. 28 and 29.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E 1/4 S29 S28 1997</p> <p>from which</p> <p style="text-align: center;">A piñon, 6 ins. diam., bears S. 74 1/4° E., 66 lks. dist., mkd. 1/4 S28 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Cor. is located 5 lks. N. of N. edge of a trail road, bears NE in curve to left.</p> <p>From this cor. point, a closed end iron pipe, 3 1/2 ins. diam., firmly set, projecting 24 ins. above ground, bears S. 40°44' W., 6.79 chs. dist., with top mkd. PEABODY COAL CO. COR. #8 NAVAJO.</p>
80.00	<p>Point for the cor. of secs. 20, 21, 28, and 29.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS						
	<div style="text-align: center;"> <table border="1"> <tr><td>T37N R18E</td></tr> <tr><td>S20 S21</td></tr> <tr><td>— —</td></tr> <tr><td>S29 S28</td></tr> <tr><td>1997</td></tr> </table> </div> <p>from which</p> <p>A piñon, 9 ins. diam., bears S. 53 3/4° E., 46 lks. dist., mkd. T37N R18E S28 BT.</p> <p>A piñon, 6 ins. diam., bears N. 28 1/2° W., 59 lks. dist., mkd. X BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>From this cor. point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 24 ins. above ground, bears N. 67°03' E., 1.46 chs. dist., with top mkd. PEABODY COAL CO. COR. #9 NAVAJO.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>	T37N R18E	S20 S21	— —	S29 S28	1997
T37N R18E						
S20 S21						
— —						
S29 S28						
1997						
40.00	<p>From the cor. of secs. 21, 22, 27, and 28.</p> <p>West, bet. secs. 21 and 28.</p> <p>Over rolling and broken land.</p> <p>Point for the 1/4 sec. cor. of secs. 21 and 28.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T37N R18E</td></tr> <tr><td>S21</td></tr> <tr><td>1/4 —</td></tr> <tr><td>S28</td></tr> <tr><td>1997</td></tr> </table> </div> <p>from which</p> <p>A piñon, 7 ins. diam., bears N. 6 3/4° W., 27 1/2 lks. dist., mkd. 1/4 S21 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>	T37N R18E	S21	1/4 —	S28	1997
T37N R18E						
S21						
1/4 —						
S28						
1997						

Survey of a Portion of the Subdivisional Lines,
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CHAINS	
47.55	Trail road, bears NNE and SSW.
80.00	<p>The cor. of secs. 20, 21, 28, and 29.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
	<p>From the stan. cor. of secs. 31 and 32, on the S. bdy. of the Tp., hereinbefore described.</p>
	<p>N. 0°03' W., bet. secs. 31 and 32.</p>
	<p>Over rolling land.</p>
29.60	<p>Graded road, 20 ft. wide, bears ENE and WSW.</p>
40.00	<p>Point for the 1/4 sec. cor. of secs. 31 and 32.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T37N R18E 1/4 S31 S32 1997</p>
	<p>from which</p>
	<p style="padding-left: 40px;">A juniper, 14 ins. diam., bears N. 44° E., 91 lks. dist., mkd. 1/4 S32 BT.</p>
	<p style="padding-left: 40px;">A piñon, 16 ins. diam., bears S. 69° E., 83 lks. dist., mkd. X BT.</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
	<p>From this cor. point, a rebar, 1 in. diam., firmly set, projecting 36 ins. above ground, bears N. 67°22' E., 1.63 chs. dist.</p>
58.10	<p>Graded road, 20 ft. wide, bears SSE and NNW; thence ascend over rolling and broken land.</p>
80.00	<p>Point for the cor. of secs. 29, 30, 31, and 32.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS						
	<div style="text-align: center;"> <table border="1"> <tr><td>T37N R18E</td></tr> <tr><td>S30 S29</td></tr> <tr><td>—+—</td></tr> <tr><td>S31 S32</td></tr> <tr><td>1997</td></tr> </table> </div> <p>from which</p> <p>A piñon, 7 ins. diam., bears S. 56 1/4° W., 61 1/2 lks. dist., mkd. T37N R18E S31 BT.</p> <p>A piñon, 12 ins. diam., bears N. 21 1/2° W., 40 lks. dist., mkd. T37N R18E S30 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>	T37N R18E	S30 S29	—+—	S31 S32	1997
T37N R18E						
S30 S29						
—+—						
S31 S32						
1997						
20.00	<p>From the cor. of secs. 28, 29, 32, and 33.</p> <p>West, bet. secs. 29 and 32.</p> <p>Over rolling and broken land.</p> <p>Point for the E 1/16 sec. cor. of secs. 29 and 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T37N R18E</td></tr> <tr><td>S29</td></tr> <tr><td>E 1/16 —</td></tr> <tr><td>S32</td></tr> <tr><td>1997</td></tr> </table> </div> <p>from which</p> <p>The mks. X B0, chiseled on the face of a sandstone boulder, 11 x 7 x 6 ft., bear N. 39 1/4° W., 1.505 chs. dist.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>	T37N R18E	S29	E 1/16 —	S32	1997
T37N R18E						
S29						
E 1/16 —						
S32						
1997						
40.00	<p>Point for the 1/4 sec. cor. of secs. 29 and 32.</p>					

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T37N R18E S29 1/4 — S32 1997</p>
	<p>from which</p>
	<p style="text-align: center;">A piñon, 6 ins. diam., bears N. 48° E., 77 lks. dist., mkd. 1/4 S29 BT.</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
	<p>From this cor. point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 26 ins. above ground, bears N. 47°10' E., 1.405 chs. dist., with top mkd. PEABODY COAL CO. COR. #5 NAVAJO.</p>
80.00	<p>The cor. of secs. 29, 30, 31, and 32.</p>
	<p>Land, rolling and broken. Soil, sandy and rocky clay with rock outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
	<p>West, bet. secs. 30 and 31.</p>
	<p>Over rolling and broken land.</p>
9.30	<p>Graded road, 20 ft. wide, bears N. and S.</p>
40.00	<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., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T37N R18E S30 1/4 — S31 1997</p>
	<p>from which</p>
	<p style="text-align: center;">A juniper, 7 ins. diam., bears N. 21 1/2° E., 67 lks. dist., mkd. 1/4 S30 BT.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
79.91	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., hereinbefore described.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
40.00	<p>From the cor. of secs. 29, 30, 31, and 32.</p> <p>N. 0°03' W., bet. secs. 29 and 30.</p> <p>Over rolling and broken land.</p> <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., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N R18E 1/4 S30 S29 1997</p> </div> <p>from which</p> <p style="padding-left: 40px;">A forked piñon, 8 ins. diam. at base, bears N. 70 1/2° E., 20 lks. dist., mkd. 1/4 S29 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<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., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37N R18E S19 S20 ----- S30 S29 1997</p> </div> <p>from which</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears N. 83 1/4° E., 85 lks. dist., mkd. X BT.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A piñon, 12 ins. diam., bears S. 6 1/4° E., 67 1/2 lks. dist., mkd. T37N R18E S29 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
40.00	<p>From the cor. of secs. 20, 21, 28, and 29.</p> <p>West, bet. secs. 20 and 29.</p> <p>Over rolling and broken land.</p> <p>Point for the 1/4 secs. cor. of secs. 20 and 29.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E S20 1/4 — S29 1997</p> <p>from which</p> <p style="text-align: center;">A forked juniper, 11 ins. diam. at base, bears N. 17 3/4° E., 1.05 chs. dist., mkd. 1/4 S20 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>The cor. of secs. 19, 20, 29, and 30.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
16.20	<p>West, bet. secs. 19 and 30.</p> <p>Over rolling and broken land.</p> <p>Wash, 30 ft. wide, 12 ft. deep, drains SE.</p>
17.20	<p>Graded road, 15 ft. wide, bears SSE and NNW.</p>

Survey of a Portion of the Subdivisional Lines,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<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., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E S19 1/4 — S30 1997</p> <p>from which</p> <p style="text-align: center;">A forked juniper, 12 ins. diam. at base, bears S. 35 1/4° W., 33 1/2 lks. dist., mkd. 1/4 S30 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
79.82	<p>The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., hereinbefore described.</p> <p>Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.</p>
<hr/> <p>Subdivision of Section 29, T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona</p> <hr/>	
40.00	<p>From the 1/4 sec. cor. of secs. 29 and 32, hereinbefore described.</p> <p>N. 0°03' W., on the N. and S. center line of sec. 29.</p> <p>Over rolling and broken land.</p> <p>Point for the center 1/4 sec. cor. of sec. 29, at intersection with the E. and W. center line of the sec.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E C1/4 S29 1997</p>

Subdivision of Section 29,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	The 1/4 sec. cor. of secs. 20 and 29, hereinbefore described.
	From the 1/4 sec. cor. of secs. 28 and 29.
	West, on the E. and W. center line of sec. 29.
	Over rolling and broken land.
20.00	Point for the C-E 1/16 sec. cor. of sec. 29.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T37N R18E E1/16 C ——— C S29 1997</p>
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	From this cor. point, a closed end iron pipe, 3 ins. diam., firmly set, projecting 20 ins. above ground, bears N. 65°38' E., 1.22 chs. dist., mkd. PEABODY COAL CO. COR. #7 NAVAJO.
40.00	The center 1/4 sec. cor. of sec. 29.
80.00	The 1/4 sec. cor. of secs. 29 and 30.
	SE 1/4 of Section 29
	From the E 1/16 sec. cor. of secs. 29 and 32, hereinbefore described.
	N. 0°03' W., on the N. and S. center line of the SE 1/4 of sec. 29.
	Over rolling land.
18.00	Point selected for a witness point on the N. and S. center line of the SE 1/4 of sec. 29.

Subdivision of Section 29,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">WP T37N R18E E S 29 E 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>The C-E 1/16 sec. cor. of sec. 29.</p>
<p>Subdivision of Section 32, T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona</p>	
40.00	<p>From the stan. 1/4 sec. cor. of sec. 32, on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 0°03' W., on the N. and S. center line of sec. 32.</p> <p>Over rolling and broken land.</p> <p>Point for the center 1/4 sec. cor. of sec. 32, at intersection with the E. and W. center line of the sec.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T37N R18E C1/4 S32 1997</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>From this cor. point, a closed end iron pipe, 3 1/2 ins. diam., firmly set, projecting 24 ins. above ground, bears N. 67°30' E., 1.045 chs. dist., with top mkd. PEABODY COAL CO. COR. #4 NAVAJO.</p>
80.00	<p>The 1/4 sec. cor. of secs. 29 and 32, hereinbefore described.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 32 and 33.</p> <p>West, on the E. and W. center line of sec. 32.</p>

Subdivision of Section 32,
T. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Over rolling and broken land.</p> <p>25.00 Trail road, bears NNE and SSW.</p> <p>40.00 The center 1/4 sec. cor. of sec. 32.</p> <p>80.00 The 1/4 sec. cor. of secs. 31 and 32.</p>
	<hr/> <p>GENERAL DESCRIPTION</p> <hr/>
	<p>The area surveyed is within the Navajo Indian Reservation, approximately 15 miles southwest of the community of Kayenta. This area is atop Black Mesa. The terrain is generally broken and rolling. The drainages are within canyons, and the drainage is southerly and southwesterly.</p> <p>The elevation varies from 6,600 to 7,900 feet above sea level. The soil is mostly sandy and rocky clay with numerous rock outcrops. The timber is primarily piñon and juniper, with some ponderosa pine and Douglas fir along the east boundary. The undergrowth is primarily sagebrush, Gambel's oak, greasewood, and various grasses.</p> <p>Principal access to the township is provided by several graded roads and some trail roads branching off from them.</p> <p>Peabody Western Coal Company currently has a coal mining lease in sections 28, 29, 32, 33, 34, 35, and 36. There are large areas reclaimed after mining in the southern portions of sections 34 and 35. Much of the township is used for the grazing of livestock.</p> <p>The mean magnetic declination of 12 1/2° E. was derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.</p>

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, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 6th day of June, 1996, I have surveyed the Ninth Standard Parallel North, (south boundary), the east boundary, a portion of the west boundary, a portion of the subdivisional lines, and subdivided sections 29 and 32, Township 37 North, Range 18 East, of the Gila and Salt River Meridian, in the state of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said 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.

August 17, 1998
(Date)

Jones Curtiss
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the survey of the Ninth Standard Parallel North, (south boundary), the east boundary, a portion of the west boundary, a portion of the subdivisional lines, and the subdivision of sections 29 and 32, Township 37 North, Range 18 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

August 31, 1998
(Date)

Kenny D Lavutkar
(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. 37 N., R. 18 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

~~_____~~
~~(Chief Cadastral Surveyor of Arizona)~~