

Form 3860-10  
(February 1987)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Mineral Survey Number

4870 A and B

State

Arizona

Land District

Arizona

FIELD NOTES

Of the Survey of the Mining Claim of (name and address of claimant)

ASARCO Incorporated  
Ray Unit, P. O. Box 8  
Hayden, AZ 85235

Known as the (name of group, if any)

Copper Butte Group

NAME OF CLAIM(S)

NAME OF LOCATION	DATE			BLM MINING CLAIM SERIAL NUMBER
	LOCATED AND AMENDED	RECORDED WITH COUNTY	RECORDED WITH BLM	
COPPER BUTTE No. 22 lode	4-28-86	5-12-86	6-2-86	A MC 253458
COPPER BUTTE No. 7 lode	4-27-86	5-12-86	6-2-86	253455
JUNEBUG No. 2 lode	4-27-86	5-12-86	6-2-86	253274
COCHISE No. 2 lode	4-27-86	5-12-86	6-2-86	253273
TERRA No. 6 lode	4-30-86	5-12-86	6-2-86	253465
AX-A #86 millsite	2-17-89	3-15-89	4-3-89	294053
AX-A #87 millsite	2-17-89	3-15-89	4-3-89	294054
AX-A #88 millsite	2-17-89	3-15-89	4-3-89	294055
AX-A #89 millsite	2-17-89	3-15-89	4-3-89	294056
AX-A #90 millsite	2-17-89	3-15-89	4-3-89	294057
AX-A #91 millsite	2-17-89	3-15-89	4-3-89	294058
		Re-recorded 3-24-89	4-3-89	
AX-A #93 millsite	2-17-89	3-15-89	4-3-89	294060
AX-A #92 millsite	2-17-89	3-15-89	4-3-89	294059
AX-A #94 millsite	2-9-89	3-15-89	4-3-89	294061
AX-A #85 millsite	2-9-89	3-15-89	4-3-89	294052
AX-A #84 millsite	2-9-89	3-15-89	4-3-89	294051
AX-A #83 millsite	2-9-89	3-15-89	4-3-89	294050

LOCATION OF CLAIM(S)

Mining district			County	
Mineral Creek			Pinal	
Section 19, 30 24 & 25	Township 3 South	Range 13 & 12 East	Meridian Gila & Salt River	Survey under order dated 6/7/89 amd. 7/31/89
Survey commenced 6/15/89		Survey completed 8/1/89	Name of Mineral Surveyor Harvey W. Smith	

## Mineral Survey No. 4870 A and B

FEET

This survey was made with a Swiss Kern theodolite, Model DKM 1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and 20-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles direct to ten-second accuracy and estimating to one-second accuracy. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of horizontal-angles-right referred to the meridian determined by the following observation:

June 15, 1989, at Cor. No. 1 of the COPPER BUTTE #7 lode, in latitude  $33^{\circ}08'52.2''N$ . and longitude  $111^{\circ}03'26.7''W$ ., elevation 2,600 ft. above sea level, and temperature  $80^{\circ}F$ ., make a series of six altitude observations on the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle right from a reference point about 2,400 ft. eastward to the sun.

Mean time of observation, 105th meridian standard time	=	$7^h 30^m 15^s$ a.m.
Declination of sun at mean time of observation	=	$23^{\circ}19'35.5''N$ .
Mean observed vertical angle to sun's center	=	$25^{\circ}20'08''$
Mean horizontal angle from reference point clockwise to sun's center	=	$353^{\circ}16'47''$
True bearing to reference point	=	$N.84^{\circ}20'41''E$ .

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot for 299 ft. and the remaining foot graduated to tenths and hundredths; the tape was compared to an Invar standard tape at the beginning of the survey and found to be correct. In addition to the steel tape,

## Mineral Survey No. 4870 A and B

FEET	
	<p>a Nikon ND-21 infrared distance measuring unit was used to measure some of the lines. Its accuracy was checked against a line measured with the foregoing steel tape and found to be correct.</p> <p>All lines and connections of this survey were run by direct methods.</p> <p>The magnetic declination observed at each corner of the survey gave a uniform value of 14°E.</p>
	<hr/> <p>Mineral Survey No. 4870 A</p> <hr/>
	<p style="text-align: center;">COPPER BUTTE No. 22 LODE</p> <p>At Cor. No. 1 of the COPPER BUTTE No. 22 lode, identical with Cor. No. 3 of the AX-A #84 millsite of this survey and on line 4-1, M.S. No. 2602 Copper Butte No. 6 lode.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.22 1 A.84 3 U.S.M.S. 4870 A &amp; B; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 20, 29 &amp; 30, T.3 S., R.13 E., G.&amp; S.R.M. bears S.85°22'52"E., 1,876.11 ft. dist., monumented with an iron post, 2 ins. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd.</p> <p style="padding-left: 40px;">A wood post, 2 x 2 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.62°14'30"W.</p>
299.75	Lode line; discovery point bears N.27°45'05"E., 1,489.52 ft. dist.
599.50	Cor. No. 2, on line 2-3, M.S. No. 2602 Copper Butte No. 3 lode and line 4-1, M.S. No. 2602 Copper Butte No. 6 lode.

## Mineral Survey No. 4870 A

FEET	
	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.22 2 U.S.M.S. 4870 A; from which</p> <p>Cor. No. 1, M.S. No. 2602 Copper Butte No. 6 lode, bears N.62°14'30"W., 302.23 ft. dist.</p> <p>Cor. No. 2, M.S. No. 2602 Copper Butte No. 3 lode, bears S.27°45'05"W., 499.27 ft. dist.</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N.27°45'05"E.</p>
1,002.06	Cor. No. 3, M.S. No. 2602, Copper Butte No. 3 lode.
1,499.52	Cor. No. 3.
	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.22 3 U.S.M.S. 4870 A; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S.62°14'30"E.</p>
299.75	Lode line; discovery point bears S.27°45'05"W., 10.00 ft. dist.
599.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.22 4 U.S.M.S. 4870 A; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>

## Mineral Survey No. 4870 A

FEET	
	Thence S.27°45'05"W.
180.50	Cor. No. 3 of the AX-A #85 millsite of this survey.
840.01	Cor. No. 2 of the AX-A #85 millsite, identical with Cor. No. 4 of the AX-A #84 millsite, both of this survey.
1,499.52	Cor. No. 1, and place of beginning.
	<p style="text-align: center;">COPPER BUTTE No. 7 LODE</p> <p>At Cor. No. 1 of the COPPER BUTTE No. 7 lode.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B 7 1 U.S.M.A. 4870 A; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 20, 29 &amp; 30, T.3 S., R.13 E., G. &amp; S.R.M. bears N.84°20'41"E., 2,428.39 ft. dist., hereinbefore described.</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.27°55'24"W.</p>
6.37	Intersect line 2-3, M.S. No. 2602 Copper Butte No. 6 lode, at a point from which Cor. No. 2 bears N.61°38'W., 599.52 ft. dist.
1,499.50	<p>Cor. No. 2.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.7 2 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.62°14'30"W.</p>

## Mineral Survey No. 4870 A

FEET		
299.75	Lode line; discovery point bears N.27°55'24"E., 10.00 ft. dist.	
598.70	Intersect line 2-3 JUNEBUG No. 2 lode of this survey.	
599.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.7 3 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.27°55'24"E.</p>	
399.99	Cor. No. 2 of the JUNEBUG No. 2 lode of this survey, identical with Cor. No. 2, M.S. No. 2602 June Bug lode.	
681.	Center of unimproved dirt road, 20 ft. wide, bears N.10°W. and S.10°E.	
999.99	Intersect line 4-1, M.S. No. 2602 June Bug lode, common with line 2-3, M.S. No. 2602 Cochise lode, at a point from which Cor. No. 1 of the June Bug lode, identical with Cor. No. 2 of the Cochise lode, bears S.62°11'47"E., 5.46 ft. dist.	
1,443.29	Intersect the line between secs. 19 & 30, T.3 S., R.13 E., at a point from which the sec. cor. of secs. 19, 24, 25 & 30 bears S.89°48'43"W., 2,212.38 ft. dist.	
1,499.50	<p>Cor. No. 4, identical with Cor. No. 2, M.S. No. 2602 Copper Butte No. 6 lode and on line 1-2, M.S. No. 2602 Cochise lode.</p> <p>Found an old rock monument, the center of which I accept as the true corner. I set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.B.7 4 U.S.M.S. 4870 A; C.B.6 2 U.S.M.S. 2602; from which</p>	

## Mineral Survey No. 4870 A

FEET	
	<p>Cor. No. 1, M.S. No. 2602 Cochise lode, bears N.28°16'30"E., 100.49 ft. dist.</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S.62°14'30"E.</p>
105.78	<p>Intersect the line between secs. 19 &amp; 30, T.3 S., R.13 E., at a point from which the sec. cor. of secs. 19, 24, 25 &amp; 30 bears S.89°48'43"W., 2,332.31 ft. dist.</p>
299.75	<p>Lode line; discovery point bears S.27°55'24"W., 1,489.50 ft. dist.</p>
405.	<p>Center of unimproved dirt road, 20. ft. wide, bears N.22°W. and S.14°W.</p>
599.50	<p>Cor. No. 1, and place of beginning.</p>
<hr/>	
<p>JUNEBUG No. 2 LODE</p>	
<p>At Cor. No. 1 of the JUNEBUG No. 2 lode, identical with Cor. No. 3, M.S. No. 2602 June Bug lode, and on line 3-4, COCHISE No. 2 lode of this survey.</p>	
<p>Found a mkd. stone, 4 x 6 ins., 8 ins. above ground, firmly set. On top of the stone I set an iron post, 30 ins. long, 3/4 in. diam., in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X J.B.2 1 U.S.M.S. 4870 A; J.B. 3 U.S.M.S. 2602; from which</p>	
<p>The sec. cor. of secs. 19, 24, 25 &amp; 30, T.3 S., Rs. 12 &amp; 13 E., G.&amp; S.R.M. bears N.61°30'48"W., 453.04 ft. dist., monumented with an iron post, 2 ins. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd.</p>	
<p>A white PVC post, 2 ins. diam in size, 4 ft. above ground, sets adjacent to the iron post.</p>	
<p>No local bearing objects or bearing trees available.</p>	

## Mineral Survey No. 4870 A

FEET	
1,498.38	<p style="text-align: center;">Thence S.62°12'51"E.</p> <p>Cor. No. 2, identical with Cor. No. 2, M.S. No. 2602 JUNE BUG lode and on line 3-4, COPPER BUTTE No. 7 lode of this survey.</p> <p>Found a mkd. stone, 4 x 6 ins., 8 ins. above ground, firmly set. On top of the stone I set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X J.B.2 2 U.S.M.S. 4870 A; J.B. 2 U.S.M.S. 2602; from which</p> <p style="padding-left: 40px;">A bearing rock, 4 x 5 ft. in size, 2 ft. above ground, mkd. X B.R. bears S.81°04'E., 8.3 ft. dist.</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>
299.75	<p style="text-align: center;">Thence S.27°48'32"W.</p> <p>Lode line; discovery point bears N.62°12'51"W., 1,488.38 ft. dist.</p>
399.99	<p>Intersect line 2-3 COPPER BUTTE No. 7 lode of this survey.</p>
599.50	<p>Cor. No. 3, identical with Cor. No. 2 of the TERRA No. 6 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X J.B.2 3 T.6 2 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>
1,498.38	<p style="text-align: center;">Thence N.62°12'51"W.</p> <p>Cor. No. 4, identical with Cor. No. 1 of the TERRA No. 6 lode of this survey.</p>



## Mineral Survey No. 4870 A

FEET	
	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X J.B.2 4 T.6 1 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.27°48'32"E.</p>
212.	Center of unimproved dirt road, 12. ft. wide, bears N.83°W. and S.83°E.
299.75	Lode line; discovery point bears S.62°12'51"E., 10.00 ft. dist.
300.93	Cor. No. 4 of the COCHISE No. 2 lode of this survey.
311.43	Center of unimproved dirt road, 12. ft. wide, bears N.47°W. and S.47°E.
599.50	Cor. No. 1, and place of beginning.
COCHISE No. 2 LODE	
	<p>At Cor. No. 1 of the COCHISE No. 2 lode.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.2 1 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 24, 25 &amp; 30, T.3 S., Rs. 12 &amp; 13 E., G.&amp; S.R.M. bears N.53°32'33"E., 337.39 ft. dist., hereinbefore described.</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.27°48'32"E.</p>

## Mineral Survey No. 4870 A

FFFF		
226.83	Intersect the line between secs. 24 & 25, T.3 S., R.12 E., at a point from which the sec. cor. of secs. 19, 24, 25 & 30 bears S.89°57'E., 165.54 ft. dist.	
581.63	Intersect the line between secs. 19 & 24, T.3 S., Rs.12 & 13 E., at a point from which the sec. cor. of secs. 19, 24, 25 & 30 bears S.00°00'12"E., 313.97 ft. dist.	
1,499.50	<p>Cor. No. 2.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.2 2 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.62°11'28"E.</p>	
299.75	Lode line; discovery point bears S.27°48'32"W., 1,489.50 ft. dist.	
599.50	<p>Cor. No. 3, identical with Cor. No. 2, M.S. No. 2602 Copper Butte No. 1 lode and Cor. No. 4, M.S. 2602 Cochise lode.</p> <p>Found a rock monument, the center of which I accept as the true corner as it bears N.61°38'W., 35.1 ft. from a referenced bearing rock. I set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.2 3 U.S.M.S. 4870 A; C.B.1 2 C.4 U.S.M.S. 2602; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.27°48'32"W.</p>	
600.46	Cor. No. 3, M.S. No. 2602 Cochise lode, identical with Cor. No. 4, M.S. No. 2602 June Bug lode.	

## Mineral Survey No. 4870 A

FEET	
954.65	Intersect the line between secs. 19 & 30, T.3 S., R.13 E., at a point from which the sec. cor. of secs. 19, 24, 25 & 30 bears S.89°48'43"W., 513.09 ft. dist.
1,018.	Center of unimproved dirt road, 12. ft. wide, bears N.68°E. and S.68°W.
1,200.93	Cor. No. 3, M.S. No. 2602 June Bug lode, identical with Cor. No. 1 of the JUNEBUG No. 2 lode of this survey.
1,489.	Center of unimproved dirt road, 12. ft. wide, bears N.47°W. and S.47°E.
1,499.50	<p>Cor. No. 4, on line 4-1 JUNEBUG No. 2 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X C.2 4 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.62°11'28"W.</p>
292.70	Intersect the line between secs. 25 & 30, T.3 S., Rs.12 & 13 E., at a point from which the sec. cor. of secs. 19, 24, 25 & 30 bears North, 343.61 ft. dist.
299.75	Lode line; discovery point bears N.27°48'32"E., 10.00 ft. dist.
599.50	Cor. No. 1, and place of beginning.
TERRA NO. 6 LODE	
<p>Beginning at Cor. No. 1 of the TERRA No. 6 lode, identical with Cor. No. 4 of the JUNEBUG No. 2 lode of this survey; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 24, 25 &amp; 30, T.3 S., Rs.12 &amp; 13 E., G. &amp; S.R.M. bears N.9°01'21"W., 755.69 ft. dist., hereinbefore described.</p>	

## Mineral Survey No. 4870 A

FIFT		
1,498.38	<p style="text-align: center;">Thence S.62°12'51"E.</p> <p>Cor. No. 2, identical with Cor. No. 3 of the JUNEBUG No. 2 lode of this survey.</p>	
299.75	<p style="text-align: center;">Thence S.27°48'32"W.</p> <p>Lode line; discovery point bears N.62°12'51"W., 10.00 ft. dist.</p>	
599.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X T.6 3 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>	
1,316.20	<p style="text-align: center;">Thence N.62°12'51"W.</p> <p>Intersect the line between secs. 25 &amp; 30, T.3 S., Rs. 12 &amp; 13 E., at a point from which the sec. cor. of secs. 19, 24 25 &amp; 30 bears North, 1,361.53 ft. dist.</p>	
1,498.38	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X T.6 4 U.S.M.S. 4870 A; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>	
299.75	<p style="text-align: center;">Thence N.27°48'32"E.</p> <p>Lode line; discovery point bears S.62°12'51"E., 1,488.38 ft. dist.</p>	
345.48	<p>Intersect the line between secs. 25 &amp; 30, T.3 S., Rs.12 &amp; 13 E., at a point from which the sec. cor. of secs. 19, 24, 25 &amp; 30 bears North, 971.03 ft. dist.</p>	

## Mineral Survey No. 4870 A

FEET	
599.50	Cor. No. 1, and place of beginning.
<hr/> Mineral Survey No. 4870 B <hr/>	
AX-A #86 MILLSITE	
At Cor. No. 1 of the AX-A #86 millsite, on line 3-4, AX-A #87 millsite of this survey, and on line 4-1, M.S. No. 2602 Copper Butte No. 5 lode.	
Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.86 1 U.S.M.S. 4870 B; from which	
The sec. cor. of secs. 19, 20, 29 & 30, T.3 S., R.13 E., G.& S.R.M. bears S.31°52'11"E., 3,491.37 ft. dist., hereinbefore described.	
Cor. No. 1, M.S. No. 2602 Copper Butte No. 5 lode, bears S.62°16'59"E., 388.65 ft. dist.	
A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.	
No local bearing objects or bearing trees available.	
Thence N.89°59'48"W.	
428.	Center of unimproved dirt road, 30. ft. wide, bears North and South.
579.21	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 4, on line 4-1 Copper Butte No. 5 lode of the same survey, bears N.27°48'01"E., 269.36 ft. dist.
605.42	Cor. No. 3 of the AX-A #87 millsite, identical with Cor. No. 4 of the AX-A #89 millsite, both of this survey.
659.50	Cor. No. 2, on line 3-4, AX-A #89 millsite of this survey.

## Mineral Survey No. 4870 B

Form 9600-20  
(September 1986)

FEET	
	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.86 2 U.S.M.S. 4870 B; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N.00°00'12"E.</p>
329.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.86 3 U.S.M.S. 4870 B; from which</p> <p>Cor. No. 4, M.S. No. 2602 Copper Butte No. 4 lode, bears S.66°06'08"E., 225.21 ft. dist.</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S.89°59'48"E.</p>
33.24	<p>Intersect line 3-4, M.S. No. 2602 Copper Butte No. 4 lode, in part common with line 4-1 Copper Butte No. 5 lode of the same survey, at a point from which Cor. No. 4 of the Copper Butte No. 4 lode bears S.62°08'55"E., 195.28 ft. dist.; thence S.62°16'59"E., 901.02 ft. to Cor. No. 1 of the Copper Butte No. 5 lode.</p>
390.	<p>Center of unimproved dirt road, 30. ft. wide, bears N.60°E. and S.39°W.</p>
659.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.86 4 U.S.M.S. 4870 B; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>

## Mineral Survey No. 4870 B

Form 9600-20  
(September 1986)

FEET	
329.50	<p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.00°00'12"W.</p> <p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #86 millsite contains 4.989 acres.</p>
	<p style="text-align: center;">AX-A #87 MILLSITE</p> <p>At Cor. No. 1 of the AX-A #87 millsite, identical with Cor. No. 1 of the AX-A #88 millsite of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.87 1 A.88 1 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 20, 29 &amp; 30, T.3 S., R.13 E., G.&amp; S.R.M. bears S.34°10'25"E., 3,185.57 ft. dist., hereinbefore described.</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.89°59'48"W.</p>
639.	<p>Center of unimproved dirt road, 30. ft. wide, bears N.21°E. and S.21°W.</p>
659.50	<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #88 millsite and on line 4-1, AX-A #89 millsite, both of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.87 2 A.88 4 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.00°00'12"E.</p>

## Mineral Survey No. 4870 B

FEET	
279.78	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 1, identical with Cor. No. 3, M.S. No. 2602 Copper Butte No 2 lode and Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode, bears S.27°48'01"W., 1,174.14 ft. dist.
329.50	<p>Cor. No. 3, identical with Cor. No. 4 of the AX-A #89 millsite and on line 1-2 AX-A #86 millsite, both of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.87 3 A.89 4 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.89°59'48"E.</p>
26.21	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 4, on line 4-1, M.S. No. 2602 Copper Butte No. 5 lode, bears N.27°48'01"E., 269.36 ft. dist.
178.	Center of unimproved dirt road, 30. ft. wide, bears North and South.
605.42	Cor. No. 1 of the AX-A #86 millsite of this survey and intersect line 4-1, M.S. No. 2602 Copper Butte No. 5 lode, at a point from which Cor. No. 1 bears S.62°16'59"E., 388.65 ft. dist.
659.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.87 4 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.00°00'12"W.</p>



## Mineral Survey No. 4870 B

Form 9600-20  
(September 1986)

FEET	
28.41	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 5 lode, at a point from which Cor. No. 1 bears S.62°16'59"E., 327.56 ft. dist.
329.50	Cor. No. 1, and place of beginning.  The AX-A #87 millsite contains 4.989 acres.
	<p style="text-align: center;">AX-A #88 MILLSITE</p> <p>Beginning at Cor. No. 1 of the AX-A #88 millsite, identical with Cor. No. 1 of the AX-A #87 millsite of this survey.</p> <p style="text-align: center;">Thence S.00°00'12"W.</p>
329.50	Cor. No. 2, identical with Cor. No. 3 of the AX-A #91 millsite of this survey.  Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.88 2 A.91 3 U.S.M.S. 4870 B; from which  A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.  No local bearing objects or bearing trees available.  Thence N.89°59'48"W.
659.50	Cor. No. 3, identical with Cor. No. 2 of the AX-A #91 millsite, Cor. No. 4 of the AX-A #90 millsite and Cor. No. 1 of the AX-A #89 millsite, all of this survey.  Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.88 3 A.91 2 A 90 4 A.89 1 U.S.M.S. 4870 B; from which  The sec. cor. of secs. 19, 20, 29 & 30, T.3 S., R.13 E., G.& S.R.M. bears S.46°43'12"E., 3,363.77 ft. dist., hereinbefore described.  A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.

## Mineral Survey No. 4870 B

Form 9600-20  
(September 1986)

FFFF	<p>No local bearing objects or bearing trees available.</p> <p>Thence N.00°00'12"E.</p>
265.	<p>Center of unimproved dirt road, 30. ft. wide, bears N.22°E. and S.22°W.</p>
329.50	<p>Cor. No. 4, identical with Cor. No. 2 of the AX-A #87 millsite of this survey and on line 4-1 AX-A #89 millsite of this survey.</p> <p>Thence S.89°59'48"E.</p>
21.	<p>Center of unimproved dirt road, 30. ft. wide, bears N.21°E. and S.21°W.</p>
659.50	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #88 millsite contains 4.989 acres.</p>
<p>AX-A #89 MILLSITE</p>	
<p>Beginning at Cor. No. 1 of the AX-A #89 millsite, identical with Cor. No. 3 of the AX-A #88 millsite, Cor. No. 2 of the AX-A #91 millsite and Cor. No. 4 of the AX-A #90 millsite, all of this survey.</p>	
<p>Thence N.89°59'48"W.</p>	
273.	<p>Center of unimproved dirt road, 30. ft. wide, bears N.41°E. and S.41°W.</p>
321.20	<p>Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 1, identical with Cor. No. 3, M.S. No. 2602 Copper Butte No. 2 lode and Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode, bears S.27°48'01"W., 485.38 ft. dist.</p>
329.50	<p>Cor. No. 2, on line 3-4 AX-A #90 millsite of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.89 2 U.S.M.S. 4870 B; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>

## Mineral Survey No. 4870 B

FEET	
	<p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.00°00'12"E.</p>
659.00	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.89 3 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>
	<p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.89°59'48"E.</p>
275.42	<p>Cor. No. 2 of the AX-A #86 millsite of this survey.</p>
329.50	<p>Cor. No. 4, identical with Cor. No. 3 of the AX-A #87 millsite of this survey.</p> <p style="text-align: center;">Thence S.00°00'12"W.</p>
49.72	<p>Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 4, on line 4-1, M.S. No. 2602 Copper Butte No. 5 lode, bears N.27°48'01"E., 325.57 ft. dist.</p>
329.50	<p>Cor. No. 2 of the AX-A #87 millsite, identical with Cor. No. 4 of the AX-A #88 millsite, both of this survey.</p>
395.	<p>Center of unimproved dirt road, 30. ft. wide, bears N.22°E. and S.22°W.</p>
659.00	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #89 millsite contains 4.985 acres.</p>
	<p style="text-align: center;"><b>AX-A #90 MILLSITE</b></p> <p>At Cor. No. 1 of the AX-A #90 millsite, identical with Cor. No. 1 of the AX-A #91 millsite, Cor. No. 1 of the AX-A #93 millsite and Cor. No. 1 of the AX-A #92 millsite, all of this survey.</p>

## Mineral Survey No. 4870 B

FEET	
	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.90 1 A.91 1 A.93 1 A.92 1 U.S.M.S. 4870 B; from which</p> <p>The sec. cor. of secs. 19, 20, 29 &amp; 30, T.3 S., R.13 E., G.&amp; S.R.M. bears S.51°05'30"E., 3,147.05 ft. dist., hereinbefore described.</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N.89°59'48"W.</p>
195.	Center of unimproved dirt road, 20. ft. wide, bears N.28°W. and S.13°E.
494.90	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 1, identical with Cor. No. 3, M.S. No. 2602 Copper Butte No. 2 lode and Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode, bears S.27°48'01"W., 112.90 ft. dist.
659.50	<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #92 millsite of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.90 2 A.92 4 U.S.M.S. 4870 B; from which</p> <p>Cor. No. 1, M.S. No. 2602 Copper Butte No. 4 lode, identical with Cor. No. 3, M.S. No. 2602 Copper Butte No. 2 lode and Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode, bears S.48°15'37"E., 150.02 ft. dist.</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N.00°00'12"E.</p>
329.50	Cor. No. 3.

FEET		
	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.90 3 U.S.M.S. 4870 B; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S.89°59'48"E.</p>	
330.00	Cor. No. 2 of the AX-A #89 millsite of this survey.	
338.30	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 4, on line 4-1, M.S. No. 2602 Copper Butte No. 5 lode, bears N.27°48'01"E., 1,014.33 ft. dist.	
387.	Center of unimproved dirt road, 20. ft. wide, bears N.41°E. and S.41°W.	
659.50	<p>Cor. No. 4, identical with Cor. No. 1 of the AX-A #89 millsite, Cor. No. 3 of the AX-A #88 millsite and Cor. No. 2 of the AX-A #91 millsite, all of this survey.</p> <p>Thence S.00°00'12"W.</p>	
329.50	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #90 millsite contains 4.989 acres.</p> <hr/> <p>AX-A #91 MILLSITE</p> <p>Beginning at Cor. No. 1 of the AX-A #91 millsite, identical with Cor. No. 1 of the AX-A #93 millsite, Cor. No. 1 of the AX-A #92 millsite and Cor. No. 1 of the AX-A #90 millsite, all of this survey.</p> <p>Thence N.00°00'12"E.</p>	
329.50	<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #90 millsite, Cor. No. 1 of the AX-A #89 millsite and Cor. No. 3 of the AX-A #88 millsite, all of this survey.</p> <p>Thence S.89°59'48"E.</p>	

## Mineral Survey No. 4870 B

FEET	
659.50	<p>Cor. No. 3, identical with Cor. No. 2 of the AX-A #88 millsite of this survey.</p> <p style="text-align: center;">Thence S.00°00'12"W.</p>
329.50	<p>Cor. No. 4, identical with Cor. No. 2 of the AX-A #93 millsite of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.91 4 A.93 2 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.89°59'48"W.</p>
659.50	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #91 millsite contains 4.989 acres.</p> <hr/> <p style="text-align: center;">AX-A #93 MILLSITE</p> <p>Beginning at Cor. No. 1 of the AX-A #93 millsite, identical with Cor. No. 1 of the AX-A #92 millsite, Cor. No. 1 of the AX-A #90 millsite and Cor. No. 1 of the AX-A #91 millsite, all of this survey.</p> <p style="text-align: center;">Thence S.89°59'48"E.</p>
659.50	<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #91 millsite of this survey.</p> <p style="text-align: center;">Thence S.00°00'12"W.</p>
329.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.93 3 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>

## Mineral Survey No. 4870 B

	FFFF	<p>No local bearing objects or bearing trees available.</p> <p>Thence N.89°59'48"W.</p>
150.00		Cor. No. 4 of the AX-A #94 millsite of this survey.
659.50		<p>Cor. No. 4, identical with Cor. No. 2 of the AX-A #92 millsite and on line 3-4, AX-A #94 millsite, both of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.93 4 A.92 2 U.S.M.S. 4870 B; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>
		<p>No local bearing objects or bearing trees available.</p> <p>Thence N.00°00'12"E.</p>
329.50		<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #93 millsite contains 4.989 acres.</p>
		<p>AX-A #92 MILLSITE</p>
		<p>Beginning at Cor. No. 1 of the AX-A #92 millsite, identical with Cor. No. 1 of the AX-A #90 millsite, Cor. No. 1 of the AX-A #91 millsite and Cor. No. 1 of the AX-A #93 millsite, all of this survey.</p> <p>Thence S.00°00'12"W.</p>
329.50		<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #93 millsite and on line 3-4 AX-A #94 millsite, both of this survey.</p> <p>Thence N.89°59'48"W.</p>
111.31		<p>Intersect line 2-3, M.S. No. 2602 Copper Butte No. 2 lode, at a point from which Cor. No. 3, identical with Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode and Cor. No. 1, M.S. No. 2602 Copper Butte No. 4 lode, bears N.62°14'06"W., 492.98 ft. dist.</p>
150.00		Cor. No. 3 of the AX-A #94 millsite of this survey.

## Mineral Survey No. 4870 B

FEET		
210.	Center of unimproved dirt road, 20. ft. wide, bears N.22°E. and S.22°W.	
659.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.92 3 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.00°00'12"E.</p>	
22.26	Intersect line 3-4, M.S. No. 2602 Copper Butte No. 2 lode, common with line 4-1, M.S. No. 2602 Copper Butte No. 1 lode, at a point from which Cor. No. 3, identical with Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode and Cor. No. 1, M.S. No. 2602 Copper Butte No. 4 lode, bears N.28°22'00"E., 235.66 ft. dist.	
290.07	Intersect line 3-4, M.S. No. 2602 Copper Butte No. 1 lode, common with line 1-2, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 4, identical with Cor. No. 1, M.S. No. 2602 Copper Butte No. 4 lode and Cor. No. 3, M.S. No. 2602 Copper Butte No. 2 lode, bears S.61°38'E., 127.22 ft. dist.	
329.50	<p>Cor. No. 4, identical with Cor. No. 2 of the AX-A #90 millsite of this survey.</p> <p style="text-align: center;">Thence S.89°59'48"E.</p>	
164.60	Intersect line 4-1, M.S. No. 2602 Copper Butte No. 4 lode, at a point from which Cor. No. 1, identical with Cor. No. 3, M.S. No. 2602 Copper Butte No. 2 lode and Cor. No. 4, M.S. No. 2602 Copper Butte No. 1 lode, bears S.27°48'01"W., 112.90 ft. dist.	
465.	Center of unimproved dirt road, 20. ft. wide, bears N.23°W. and S.13°E.	
659.50	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #92 millsite contains 4.989 acres.</p>	



## Mineral Survey No. 4870 B

FEET		
	<p style="text-align: center;">AX-A #94 MILLSITE</p> <p>At Cor. No. 1 of the AX-A #94 millsite.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.94 1 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 20, 29 &amp; 30, T.3 S., R.13 E., G.&amp; S.R.M. bears S.55°48'35"E., 2,344.63 ft. dist., hereinbefore described.</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.89°59'48"W.</p>	
659.50	<p>Cor. No. 2.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.94 2 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.00°00'12"E.</p>	
31.02	<p>Intersect line 4-1, M.S. No. 2602 Copper Butte No. 3 lode, common with line 1-2, M.S. No. 2602 Copper Butte No. 2 lode, at a point from which Cor. No. 4, identical with Cor. No.2, M.S. No. 2602 Copper Butte No. 2 lode, bears N.28°22'00"E., 282.16 ft. dist.</p>	
329.50	<p>Cor. No. 3, on line 2-3 AX-A #92 millsite of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.94 3 U.S.M.S. 4870 B; from which</p>	

## Mineral Survey No. 4870 B

FEET	
	<p>Cor. No. 2, M.S. No. 2602 Copper Butte No. 2 lode, identical with Cor. No. 4, M.S. No. 2602 Copper Butte No. 3 lode, bears S.69°28'05"E., 143.14 ft. dist.</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S.89°59'48"E.</p>
38.69	<p>Intersect line 2-3, M.S. No. 2602 Copper Butte No. 2 lode, at a point from which Cor. No. 2, identical with Cor. No. 4, M.S. No. 2602 Copper Butte No. 3 lode, bears S.62°14'06"E., 107.76 ft. dist.</p>
150.00	<p>Cor. No. 2 of the AX-A #92 millsite, identical with Cor. No. 4 of the AX-A #93 millsite, both of this survey.</p>
659.50	<p>Cor. No. 4, on line 3-4 AX-A #93 millsite of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.94 4 U.S.M.S. 4870 B; from which</p> <p>A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S.00°00'12"W.</p>
327.07	<p>Intersect line 3-4, M.S. No. 2602 Copper Butte No. 3 lode, at a point from which Cor. No. 4, identical with Cor. No. 2, M.S. No. 2602 Copper Butte No. 2 lode, bears N.62°12'39"W., 593.94 ft. dist.</p>
329.50	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #94 millsite contains 4.989 acres.</p>

## Mineral Survey No. 4870 B

	FEE		
		<p style="text-align: center;">AX-A #85 MILLSITE</p> <p>At Cor. No. 1 of the AX-A #85 millsite, identical with Cor. No. 1 of the AX-A #83 millsite and Cor. No. 1 of the AX-A #84 millsite, both of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.85 1 A.83 1 A.84 1 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">The sec. cor. of secs. 19, 20, 29 &amp; 30, T.3 S., R.13 E., G.&amp; S.R.M. bears S.65°25'50"E., 1,397.85 ft. dist., hereinbefore described.</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.62°14'30"W.</p>	
329.50		<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #84 millsite and on line 4-1 COPPER BUTTE No. 22 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.85 2 A.84 4 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.27°45'05"E.</p>	
659.51		<p>Cor. No. 3, on line 4-1 COPPER BUTTE No. 22 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.85 3 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>	

## Mineral Survey No. 4870 B

FF11	<p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.62°14'30"E.</p>
329.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.85 4 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p>
659.51	<p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.27°45'05"W.</p> <p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #85 millsite contains 4.989 acres.</p> <hr/> <p style="text-align: center;">AX-A #84 MILLSITE</p> <p>Beginning at Cor. No. 1 of the AX-A #84 millsite, identical with Cor. No. 1 of the AX-A #85 millsite and Cor. No. 1 of the AX-A #83 millsite, both of this survey.</p> <p style="text-align: center;">Thence S.27°45'05"W.</p>
659.51	<p>Cor. No. 2, identical with Cor. No. 4 of the AX-A #83 millsite and on line 4-1, M.S. No. 2602 Copper Butte No. 6 lode.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.84 2 A.83 4 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.62°14'30"W.</p>

## Mineral Survey No. 4870 B

FEET	
329.50	<p>Cor. No. 3, identical with Cor. No. 1 of the COPPER BUTTE No. 22 lode of this survey and on line 4-1, M.S. No. 2602 Copper Butte No. 6 lode.</p> <p style="text-align: center;">Thence N.27°45'05"E.</p>
659.51	<p>Cor. No. 4, identical with Cor. No. 2 of the AX-A #85 millsite of this survey.</p> <p style="text-align: center;">Thence S.62°14'30"E.</p>
329.50	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #84 millsite contains 4.989 acres.</p> <hr/> <p style="text-align: center;">AX-A #83 MILLSITE</p> <p>Beginning at Cor. No. 1 of the AX-A #83 millsite, identical with Cor. No. 1 of the AX-A #84 millsite and Cor. No. 1 of the AX-A #85 millsite, both of this survey.</p> <p style="text-align: center;">Thence S.62°14'30"E.</p>
221.	<p>Center of unimproved dirt road, 15. ft. wide, bears N.21°E. and S.21°W.</p>
329.50	<p>Cor. No. 2.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.83 2 U.S.M.S. 4870 B; from which</p> <p style="text-align: center;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S.27°45'05"W.</p>
287.	<p>Center of unimproved dirt road, 15. ft. wide, bears N.5°W. and S.5°E.</p>
487.83	<p>Intersect the line between secs. 19 &amp; 30, T.3 S., R.13 E., at a point from which the sec. cor. of secs. 19, 20, 29 &amp; 30 bears N.89°48'43"E., 1,206.86 ft. dist.</p>

## Mineral Survey No. 4870 B

FFI	
659.51	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 18 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X A.83 3 U.S.M.S. 4870 B; from which</p> <p style="padding-left: 40px;">A white PVC post, 2 ins. diam. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.62°14'30"W.</p>
58.91	Cor. No. 4, M.S. No. 2602 Copper Butte No. 6 lode.
323.63	Intersect the line between secs. 19 & 30, T.3 S., R.13 E., at a point from which the sec. cor. of secs. 19, 20, 29 & 30 bears N.89°48'43"E., 1,573.19 ft. dist.
329.50	Cor. No. 4, identical with Cor. No. 2 of the AX-A #84 millsite of this survey.
	Thence N.27°45'05"E.
659.51	<p>Cor. No. 1, and place of beginning.</p> <p>The AX-A #83 millsite contains 4.989 acres.</p>

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 Mineral Survey No. 4870 A and B
 

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AREAS	Acres
Total area, COPPER BUTTE No. 22 lode --	20.637
Total area, COPPER BUTTE No. 7 lode ---	20.637
Area in conflict with:	
M.S. No. 2602, Copper Butte No. 6 lode -----	0.044
M.S. No. 2602, Cochise lode -----	0.036
M.S. No. 2602, June Bug lode -----	0.038
JUNEBUG No. 2 lode of this survey -----	0.004
Total area, JUNEBUG No. 2 lode -----	20.622
Total area, COCHISE No. 2 lode -----	20.637

## Mineral Survey No. 4870 A and B

Form 9600-20  
(September 1986)

FEET	AREAS	Acres
	Total area, TERRA No. 6 lode -----	20.622
	Total area, AX-A #86 millsite -----	4.989
	Area in conflict with:	
	M.S. No. 2602, Copper Butte No. 4 lode -----	1.033
	M.S. No. 2602, Copper Butte No. 5 lode -----	2.371
	Total area, AX-A #87 millsite -----	4.989
	Area in conflict with:	
	M.S. No. 2602, Copper Butte No. 5 lode -----	0.018
	M.S. No. 2602, Copper Butte No. 4 lode -----	0.015
	Total area, AX-A #88 millsite -----	4.989
	Total area, AX-A #89 millsite -----	4.985
	Area in conflict with:	
	M.S. No. 2602, Copper Butte No. 4 lode -----	2.739
	Total area, AX-A #90 millsite -----	4.989
	Area in conflict with:	
	M.S. No. 2602, Copper Butte No. 4 lode -----	1.902
	Total area, AX-A #91 millsite -----	4.989
	Total area, AX-A #93 millsite -----	4.989
	Total area, AX-A #92 millsite -----	4.989
	Area in conflict with:	
	M.S. No. 2602, Copper Butte No. 1 lode -----	0.344
	M.S. No. 2602, Copper Butte No. 2 lode -----	1.474
	M.S. No. 2602, Copper Butte No. 4 lode -----	0.239
	Total area, AX-A #94 millsite -----	4.989
	Area in conflict with:	
	M.S. No. 2602, Copper Butte No. 2 lode -----	0.482
	M.S. No. 2602, Copper Butte No. 3 lode -----	2.177
	Total area, AX-A #85 millsite -----	4.989
	Total area, AX-A #84 millsite -----	4.989
	Total area, AX-A #83 millsite -----	4.989

## Mineral Survey No. 4870 A and B

FEET	LOCATION
	<p>This survey is located in the NE, NW, SE &amp; SW 1/4s Sec. 19; NE &amp; NW 1/4s Sec. 30, T.3 S., R.13 E., G.&amp; S.R.M. and the SE 1/4 Sec. 24 and NE 1/4 Sec. 25, T.3 S., R.12 E., G.&amp; S.R.M.</p> <p>The survey of the COPPER BUTTE No. 22, COPPER BUTTE No. 7, JUNEBUG No. 2, COCHISE No. 2 and TERRA No. 6 lodes and the AX-A #s 83 through 94 millsites is identical with the locations as marked on the ground.</p>
	<p style="text-align: center;"><b>EXPENDITURES</b></p> <p>The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claims by the claimant or its grantors are as follows:</p>
No. 1	<p>The discovery point of the COPPER BUTTE No. 22 lode is on the lode line, 10. ft. from a point on line 3-4, 299.75 ft. from Cor. No. 3, a post and notice.</p> <p style="padding-left: 40px;">Value, None</p>
No. 2	<p>A drill hole, No. CB 124, bears N.58°32'W., 571. ft. from Cor. No. 1 of the COPPER BUTTE No. 22 lode; NX in size, 197. ft. deep.</p> <p style="padding-left: 40px;">Value \$ 1,970.00</p>
No. 1	<p>The discovery point of the COPPER BUTTE No. 7 lode is on the lode line, 10. ft. from a point on line 2-3, 299.75 ft. from Cor. No. 2, a post and notice.</p> <p style="padding-left: 40px;">Value, None</p>
No. 2	<p>A drill hole, No. CD 130, bears S.42°53'W., 600. ft. from Cor. No. 1 of the COPPER BUTTE No. 7 lode; 6 ins. diam. in size, 100. ft. deep.</p> <p style="padding-left: 40px;">Value \$ 673.75</p>
No. 1	<p>The discovery point of the JUNEBUG No. 2 lode is on the lode line, 10. ft. from a point on line 4-1, 299.75 ft. from Cor. No. 4, a post and notice.</p> <p style="padding-left: 40px;">Value, None</p>
No. 2	<p>A drill hole, No. CD 128, bears S.3°31'E., 349. ft. from Cor. No. 1 of the JUNEBUG No. 2 lode; 6 ins. diam. in size, 100. ft. deep.</p> <p style="padding-left: 40px;">Value \$ 673.75</p>



## Mineral Survey No. 4870 A and B

FEET		
No. 1	The discovery point of the COCHISE No. 2 lode is on the lode line, 10. ft. from a point on line 4-1, 299.75 ft. from Cor. No. 4, a post and notice. Value, None	
No. 2	A drill hole, No. CD 129, bears N.4°11'E., 126. ft. from Cor. No. 4 of the COCHISE No. 2 lode; 6 ins. diam. in size, 100. ft. deep. Value \$ 673.75	
No. 1	The discovery point of the TERRA No. 6 lode is on the lode line, 10. ft. from a point on line 2-3, 299.75 ft. from Cor. No. 2, a post and notice. Value, None	
No. 2	A drill hole, No. CD 127, bears S.57°55'E., 426. ft. from Cor. No. 1 of the TERRA No. 6 lode; 6 ins. diam. in size, 100. ft. deep. Value \$ 673.75	
OTHER IMPROVEMENTS		
A main access road which traverses across the adjacent millsites to the north in Sec. 19, then enters the southwest corner of the COPPER BUTTE No. 22 lode of this survey; thence across the Copper Butte No. 6 patented lode; thence into COPPER BUTTE No. 7 lode of this survey; thence into the Cochise and June Bug patented lodes at the location of the initial pit area. Claimant herein		
OTHER CORNER DESCRIPTIONS and SUPPLEMENTAL DATA		
M.S. No. 2602 Cochise lode: Cor. No. 1 is a stone monument, the center of which I accept as the true corner. The East End Center is a lava stone, 4 x 7 ins., 4 ins. above ground marked E.E.C.C. 2602. Cor. No. 2, identical with Cor. No. 1 of the June Bug lode of the same survey is a marked stone, 4 x 6 ins., 8 ins. above ground, firmly set. Cor. No. 3, identical with Cor. No. 4 of the June Bug lode of the same survey, is a stone monument, the center of which I accept as the true corner. Cor. No. 4, identical with Cor. No. 3 of the COCHISE No. 2 lode of this survey and Cor. No. 2 of the Copper Butte No. 1 lode of the same survey, described above. Line 1-2		

## Mineral Survey No. 4870 A and B

FEET

described as follows: From Cor. No. 1 to Cor. No. 2 of the Copper Butte No. 6 lode of the same survey was found to be S.28°16'30"W., 100.49 ft. instead of S.28°22'W., 101.50 ft. as approved. From Cor. No. 2 of the Copper Butte No. 6 lode to the East End Center was found to be S.27°03'05"W., 199.59 ft. instead of S.28°22'W., 198.50 ft. as approved. From the East End Center to Cor. No. 2, identical with Cor. No. 1 of the June Bug lode of the same survey, was found to be S.27°27'40"W., 299.92 ft. instead of S.28°22'W., 300.00 ft. as approved. Line 2-3, common with line 4-1 June Bug lode of the same survey, was found to be N.62°11'47"W., 1,505.04 ft. instead of N.61°38'W., 1,500.00 ft. as approved. Line 3-4, in part common with line 3-4 COCHISE No. 2 lode of this survey, was found to be N.27°48'32"E., 600.46 ft. instead of N.28°22'E., 600.00 ft. as approved. Line 4-1 was calculated to be S.62°10'45"E., 1,501.40 ft. instead of S.61°38'E., 1,500.00 ft. as approved.

M.S. No. 2602 Copper Butte No. 1 lode: Cor. No. 2, identical with Cor. No. 4 Cochise lode of the same survey and Cor. No. 3 of the COCHISE No. 2 lode of this survey, described above. Cor. No. 3, identical with Cor. No. 2 of the Copper Butte No. 4 lode of the same survey could not be found. Cor. No. 4, identical with Cor. No. 1 of the Copper Butte No. 4 lode and Cor. No. 3 of the Copper Butte No. 2 lode, both of the same survey is a marked stone, 6 x 6 ins., 6 ins. above ground, loosely set. Line 1-2, in part common with line 4-1, Cochise lode of the same survey was calculated to be N.62°10'45"W., instead of N.61°38'W., as approved. Line 4-1, common with line 3-4 Copper Butte No. 2 lode of the same survey, is shown as approved. Line 2-3 is shown as approved. Line 3-4, common with line 1-2 Copper Butte No. 4 lode of the same survey, is shown as approved.

M.S. No. 2602 Copper Butte No. 2 lode: Cor. No. 2, identical with Cor. No. 4 of the Copper Butte No. 3 lode of the same survey is a marked stone, 4 x 4 ins., 6 ins. above ground, markings illegible. Cor. No. 3, identical with Cor. No. 4 of the Copper Butte No. 1 lode and Cor. No. 1 of the Copper Butte No. 4 lode, both of the same survey, described above. Line 1-2, common with line 4-1, Copper Butte No. 3 lode of the same survey is shown as approved. Line 2-3 was found to be N.62°14'06"W., 600.74 ft. instead of N.61°38'W., 600.00 ft. as approved. Line 3-4, common

## Mineral Survey No. 4870 A and B

FEET

with line 4-1 Copper Butte No. 1 lode of the same survey, described above.

M.S. No. 2602 Copper Butte No. 3 lode: Cor. No. 2 is a rock monument, the center of which I accept as the true corner as it bears S.10°55'E., 16.7 ft. from referenced bearing rock. Cor. No. 3 is a marked stone, 4 x 5 ins., 6 ins. above ground, firmly set. Cor. No. 4, identical with Cor. No. 2 of the Copper Butte No. 2 lode of the same survey, described above. Line 2-3, in part common with line 2-3, COPPER BUTTE No. 22 lode of this survey, was found to be N.27°45'05"E., 1,501.33 ft. instead of N.28°22'E., 1,500.00 as approved. Line 3-4 was found to be N.62°12'39"W., 600.15 ft. instead of N.61°38'W., 600.00 ft. as approved. Line 4-1, common with line 1-2 Copper Butte No. 2 lode of the same survey, described above.

M.S. No. 2602 Copper Butte No. 4 lode: Cor. No. 1, identical with Cor. No. 3 of the Copper Butte No. 2 lode and Cor. No. 4 of the Copper Butte No. 1 lode, both of the same survey, described above. Cor. No. 2, identical with Cor. No. 3 of the Copper Butte No. 1 lode of the same survey, described above. Cor. No. 3, identical with Cor. No. 4 of the Copper Butte No. 5 lode of the same survey, is a marked stone 4 x 4 ins., 4 ins. above ground, firmly set. Cor. No. 4 is a marked stone, 4 x 6 ins., 6 ins. above ground, firmly set. Line 1-2, common with line 3-4, Copper Butte No. 1 lode of the same survey, described above. Line 2-3 is shown as approved. Line 3-4, in part common with line 4-1 Copper Butte No. 5 lode of the same survey, was found to be S.62°08'55"E., 602.68 ft. instead of S.61°38'E., 600.00 ft. as approved. Line 4-1 was found to be S.27°48'01"W., 1,499.71 ft. instead of S.28°22'W., 1,500.00 ft. as approved.

M.S. No. 2602 Copper Butte No. 5 lode: Cor. No. 1 is a marked stone, 5 x 5 ins., 4 ins. above ground, firmly set. Cor. No. 4, identical with Cor. No. 3 of the Copper Butte No. 4 lode of the same survey, described above. Lines 1-2 and 3-4 are shown as approved. Line 4-1 was found to be as follows: From Cor. No. 4 to Cor. No. 4 of the Copper Butte No. 4 lode of the same survey, described above. From Cor. No. 4 of the Copper Butte No. 4 lode to Cor. No. 1 was found to be S.62°16'59"E., 901.02 ft. instead of S.61°38'E., 1,500.00 ft. as approved.

## Mineral Survey No. 4870 A and B

FEET

M.S. No. 2602 June Bug lode: Cor. No. 1, identical with Cor. No. 2 of the Cochise lode of the same survey, described above. Cor. No. 2, identical with Cor. No. 2 of the JUNEBUG No. 2 lode of this survey, described above. Cor. No. 3, identical with Cor. No. 1 of the JUNEBUG No. 2 lode of this survey, described above. Cor. No. 4, identical with Cor. No. 3 of the Cochise lode of the same survey, described above. Line 1-2 was found to be S.28°26'40"W., 600.04 ft. instead of S.28°22'W., 600.00 ft. as approved. Line 2-3, common with line 1-2 JUNEBUG No. 2 lode of this survey, described above. Line 3-4, in part common with line 3-4 COCHISE No. 2 lode of this survey, was found to be N.27°48'32"E., 600.47 ft. instead of N.28°22'E., 600.00 ft. as approved. Line 4-1, common with line 2-3 Cochise lode of the same survey, described above.

M.S. No. 2602 Copper Butte No. 6 lode: Cor. No. 1 is a stone in place, 4 x 3 x 2 ft. in size, properly marked and witnessed as described in the official record. Cor. No. 2, identical with Cor. No. 4 of the COPPER BUTTE No. 7 lode of this survey, described above. Cor. No. 3 could not be found. Cor. No. 4 is a lava stone, 4 x 6 ins., 6 ins. above ground, properly marked and witnessed as described in the official record. Line 1-2 was found to be as follows: From Cor. No. 1 to Cor. No. 1 of the Cochise lode of the same survey was found to be S.27°36'34"W., 499.52 ft. instead of S.28°22'W., 498.50 ft. as approved. From Cor. No. 1 of the Cochise lode to Cor. No. 2 of the Copper Butte No. 6 lode was found to be S.28°16'30"W., 100.49 ft. instead of S.28°22'W., 101.50 ft. as approved. Line 2-3 is shown as approved. Line 3-4 is shown as approved. Line 4-1 was found to be N.62°14'30"W., 1,501.82 ft. instead of N.61°38'W., 1,500.00 ft. as approved.

The 1/4 sec. cor. of secs. 19 & 24, T.3 S., Rs.12 & 13 E., is an iron post, 1 in. diam., with a brass cap properly marked and firmly set.

The sec. cor. of secs. 19, 24, 25 & 30, T.3 S., Rs.12 & 13 E., is an iron post, 2 ins. diam., with a brass cap properly marked and firmly set.

## Mineral Survey No. 4870 A and B

FFET

The sec. cor. of secs. 19, 20, 29 & 30, T.3 S., R.13 E., is an iron post, 2 ins. diam., with a brass cap properly marked and firmly set.

The line between the 1/4 sec. cor. of secs. 19 & 24 and the sec. cor. of secs. 19, 24, 25 & 30 was found to be S.00°00'12"E., 2,641.21 ft. instead of South, 2,640.00 ft. as approved.

The lines between secs. 24 & 25 and 25 & 30, T.3 S., Rs.12 & 13 E., are shown as approved.

The line between the sec. cor. of secs. 19, 20, 29 & 30 and secs. 19, 24, 25 & 36 was found to be N.89°48'43"E., 5,185.80 ft. instead of N.89°47'E., 5,190.90 ft. as approved.

## MEMORANDUM

None

## FIELD ASSISTANTS

Name	Capacity
Kent Miller	Assistant Instrumentman
Gary Shew	Rodman-Chainman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

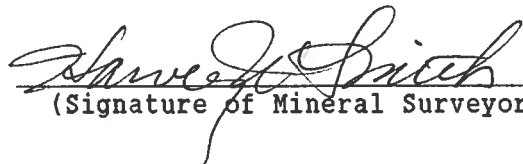
Name of Mineral Surveyor	Date
Harvey W. Smith	July 13, 1990

I HEREBY CERTIFY That in pursuance of an order received from the Arizona State Office, Bureau of Land Management, at Phoenix, Arizona, dated June 7, 1989, and amended July 31, 1989, I have carefully executed the survey of the claim of ASARCO Incorporated, known as the Copper Butte Nos. 7 and 22, Junebug No. 2, Cochise No. 2 and Terra No. 6 lodes, and AX-A #83 through #94 millsites, situated in surveyed sections 24 and 25, and 19 and 30, Townships 3 South, Ranges 12 and 13 East (respectively), Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4870 A & B, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the Copper Butte Nos. 7 and 22, Junebug No. 2, Cochise No. 2, and Terra No. 6 lodes location(s) embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Scottsdale, Arizona  
(Location)

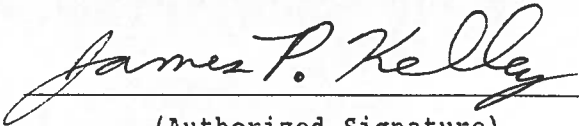
  
(Signature of Mineral Surveyor)

Title 18, U.S.C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

## CERTIFICATE OF APPROVAL

Arizona State Office  
Phoenix, Arizona  
November 9, 1990

The foregoing field notes of mineral survey number 4870 A & B, in surveyed sections 24 & 25 and 19 & 30, Townships 3 South, Ranges 12 and 13 East (respectively), Gila and Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated June 7, 1989 and amended July 31, 1989, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

  
\_\_\_\_\_  
(Authorized Signature)

Chief Cadastral Surveyor of Arizona  
(Title)