Form 4–683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number: 4674
State: Arizona
Land District: Arizona

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Magma Copper Company
c/o Twitty, Sievwright & Mills, Attorneys at Law
719 Title & Trust Building
Phoenix, Arizona 85003

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE LOCATED	DATE AMENDED
EAST No. 1	2-16-17	4-8-69
EAST No. 2	2-16-17	4-8-69
EAST No. 3	5-22-67	4-8-69
EAST No. 4	10-13-19	4-8-69
EAST No. 5	10-13-19	4-8-69
EAST No. 6	2-15-17	4-8-69
EAST No. 7	2-15-17	4-8-69
EAST No. 8	2-15-17	4-8-69
EAST No. 9	9-23-19	4-8-69
EAST No. 10	9-23-19	4-8-69
EAST No. 11	2-15-17	4-8-69
EAST No. 12	4-27-25	4-8-69
EAST No. 13	4-27-25	4-8-69
EAST No. 14	4-27-25	4-8-69
EAST No. 15	9-23-19	4-8-69

Mining district: Pioneer			County: Pinal	
Section: 29&32	Township: 1 South	Range: 13 E	Meridian: G. & S.R.	Survey under order dated: April 17, 1969
Survey commenced: April 17, 1969	Survey completed: May 13, 1969		Name of Mineral Surveyor: Harvey W. Smith	

Form 9180–21
(November 1967)

FEET

This survey was made with a Swiss Kern theodolite, Model DKM1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and twenty-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles permits the reading of angles direct to ten seconds 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 established by direct observation the sun. At 09:17:30 AM on April 26, 1969 at the Witness Corner for Cor. No. 3 of the EAST No. 10 lode, latitude 33° 18'35" N., longitude 111°03'49.6"W., turning from a reference point about 1000 ft. westerly clockwise to the sun in a southeast direction.

True bearing of reference point: S.88°12'40"W.

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. One additional foot at the zero end is also graduated in tenths and hundredths. The tape was compared to a standard and found to be correct. All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 14° East.

EAST No. 1 LODE

At cor. No. 1 of the EAST No. 1 Lode, identical with Cor. No. 1 of the EAST No. 6 lode of this survey.

On line 3-4 EAST No. 2 lode of this survey.
Set an iron post, 1/2 in. diam., 18 ins. long cemented in a 6 ins. deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E1 1 E6 1 X; from which

The 1/4 cor. of secs. 29 and 32, T.1S., R.13E., G.&S.R. Mer., bears N.78° 31'50"E., 1618.54 ft. dist.; a dacite boulder, 5 ft. x 10 ft. in place and flush with the ground level, marked and witnessed as described in the official record.

A wood post, 4 x 3 ins. 4 ft. long in a mound of stones sets adjacent to the iron post.

Thence S. 1° 47'20" E.

FEET	
1085.00	Telephone line bears S59° 15'W. and N. 45° 45' E
1414.49	Cor. No. 3 EAST No. 2 lode
1499.49	Cor. No. 2
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E1 2 X; from which
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence S. 88° 12' 40" W.
300.00	Lode line; discovery point bears N.1°47'20"W., 1489.49 ft. dist.
600.00	Cor. No. 3
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 1 3X; from which
	Cor. No. 3 Sur. No. 4633 Oak No. 4 lode bears N.0°32'10"W., 131.44 ft. dist.
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence N. 1° 47'20"W.
65.00	Telephone line bears N.59°15'E. and S.59° 15'W.
131.41	Intersect line 3-4 Sur. No. 4633 OAK No. 4 lode at a point from which Cor. No. 3 bears N. 88° 19'23"E., 2.87 ft. dist.
728.94	Intersect line 1-2 Sur. No. 4633 OAK No. 4 lode identical with line 3-4 OAK No. 1 lode of the same survey at a point from which Cor. No. 2 OAK No. 4 lode identical with Cor. No. 3 OAK No. 1 lode bears N.88°24'43"E., 2.15 ft. dist.
1325.50	Intersect line 1-2 Sur. No. 4633 OAK No. 1 lode identical with line 4-5 HORSESHOE No. 3 lode of the same survey at a point from which Cor. No. 2 OAK No. 1 lode identical with Cor. No. 4 HORSESHOE No. 3 lode bears N.88°31'48"E., 1.29 ft. dist.
1499.49	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 6 lode of this survey.

FEET	
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M. S. 4674 E 1 4 E6 2X; from which
	Cor. No. 4 Sur. No. 4633 HORSESHOE No. 3 lode identical with Cor. No. 2 OAK No. 1 lode of the same survey bears S.2° 12'45"E., 174.0ft. dist.
	Cor. No. 4 Sur. No. 4633 SILVER TIP EXTENSION No. 3 lode bears N.18° 01'30"E., 448.30 ft. dist.
	A wood post 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence N. 88°12'40"E.
1.07	Intersect line 3-4 Sur. No. 4633 HORSESHOE No. 3 lode at a point from which Cor. No. 4 HORSESHOE No. 3 lode identical with Cor. No. 2 OAK No. 1 lode of the same survey, bears S.1°51'40"E., 173.99 ft. dist.
300.00	Lode line; discovery point S.1°47'20"E., 10.0 ft. dist.
600.00	Cor. No. 1, and place of beginning.
	EAST No. 2 LODE
	Beginning at Cor. No. 1 of the EAST No. 2 Lode, identical with Cor. No. 1 of the EAST No. 7 lode, Cor. No. 2 of the EAST No. 8 lode and Cor. No. 4 of the EAST No. 3 lode, all of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins. deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M. S. 4674 E 2 1 E3 4 E 7 1 E 8 2 X; from which
	The 1/4 cor. of secs. 29 and 32, bears N. 77°33'50"E., 1012.92 ft. dist.; previously described.
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence S. 1° 47'20"E.
620.00	Telephone line bears N.45°45'E. and S.45°45'W.
1499.49	Cor. No. 2, identical with Cor. No. 3 of the EAST No. 3 lode of this survey.

FEET	
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam. mkd. M.S. 4674 E2 2 E3 3 X; from which
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence S. 88°12'40"W.
300.00	Lode line; discovery point bears N. 1°47'20"W., 1489.49 ft. dist.
600.00	Cor. No. 3.
	On line 1-2 EAST No. 1 lode of this survey
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 2 3 X; from which
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence N. 1°47'20"W.
329.49	Telephone line bears S.59°15'W. and N.45°45'E.
1414.49	Cor. No. 1 EAST No. 1 lode identical with Cor. No. 1 EAST No. 6 lode, both of this survey.
1499.49	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 7 lode of this survey.
	On line 4-1 EAST No. 6 lode of this survey.
	Set an iron post 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 2 4 E 7 2 X; from which
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence N. 88°12'40" E.
300.00	Lode line; discovery point bears S. 1° 47'20"E., 10.0 ft. dist.
600.00	Cor. No. 1, and place of beginning.

FEET	
	EAST No. 3 LODE
	Beginning at Cor. No. 1 of the EAST No. 3 Lode, identical with Cor. No. 1 of the EAST No. 8 Lode, Cor. No. 2 of the EAST No. 9 Lode and Cor. No. 4 of the EAST No. 4 Lode, all of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 3 1 E4 4 E8 1 E9 2 X; from which
	The 1/4 cor. of secs. 29 and 32 bears N.62° 53'10"E., 437.54 ft. dist.; previously described.
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones sets adjacent to the iron post.
	Thence S.1°47'20"E.
62.00	Telephone line bears N.45°45'E. and S45°45'W.
690.00	Left bank dry wash, 30 ft. wide, course N. 50°E.
1499.49	Cor. No. 2, identical with Cor. No. 3 of the EAST No. 4 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E3 2 E4 3 X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S. 88°12'40"W.
260.00	Right bank dry wash, 20 ft. wide, course N.5°W.
300.00	Lode line; discovery point bears N.1°47'20"W., 1489.49 ft. dist.
600.00	Cor. No. 3, identical with Cor. No. 2 of the EAST No. 2 lode of this survey.
	Thence N. 1°47'20"W.
879.49	Telephone line bears N.45°45'E. and S.45°45'W.
1499.49	Cor. No. 4, identical with Cor. No. 1 of the EAST No. 2 lode, Cor. No. 1 of the EAST No. 7 lode and Cor. No. 2 of the EAST No. 8 lode, all of this survey.
	Thence N.88°12'40"E.

FEET	
300.00	Lode line; discovery point bears S.1°47'20"E., 10.0 ft. dist.
600.00	Cor. No. 1, and place of beginning.

EAST No. 4 LODE

Beginning at Cor. No. 1 of the EAST No. 4 Lode, identical with Cor. No. 1 of the EAST No. 5 lode, Cor. No. 1 of the EAST No. 9 lode and Cor. No. 1 of the EAST No. 10 lode, all of this survey.

Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E4 1 E5 1 E9 1 E 10 1 X; from which

The 1/4 cor. of secs. 29 and 32 bears N.49° 19'35"W., 277.23 ft. dist.; previously described.

A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.

Thence S.1°47'20" E.

230.00	Left bank dry wash, 40 ft. wide, course, N.17°E.
400.00	Right bank dry wash, 40 ft. wide, course, N.25°W.
1125.00	Left bank dry wash, 30 ft. wide, course N.40°E.
1320.00	Right bank dry wash, 30 ft. wide, course N.30°W.
1499.49	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 5 lode of this survey

Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E4 2 E5 4 X; from which

A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.

Thence S.88°12'40"W.

300.00	Lode line; discovery point bears N.1°47'20"W., 1489.49 ft. dist.

FEET	
600.00	Cor. No. 3, identical with Cor. No. 2 of the EAST No. 3 lode of this survey.
	Thence N.1°47'20"W.
779.49	Right bank dry wash, 30 ft. wide, course, N.50°E.
1437.49	Telephone line bears N.45°45'E. and S.45°45'W.
1499.49	Cor. No. 4, identical with Cor. No. 1 of the EAST No. 3 lode, Cor. No. 1 of the EAST No. 8 lode and Cor. No. 2 of the EAST No. 9 lode, all of this survey.
	Thence N.88°12'40"E.
60.00	Telephone line bears N.45°45'E. and S.45°45'W.
300.00	Lode line; discovery point bears S. 1°47' 20"E., 10.0 ft. dist.
600.00	Cor. No. 1, and place of beginning.
	EAST No. 5 LODE
	Beginning at Cor. No. 1 of the EAST No. 5 Lode, identical with Cor. No. 1 of the EAST No. 4 lode, Cor. No. 1 of the EAST No. 9 lode and Cor. No. 1 of the EAST No. 10 lode, all of this survey.
	Thence N.88°12'40"E.
135.00	Left bank dry wash, 40 ft. wide, course, N.30°E.
300.00	Lode line; discovery point bears S.1°47'20"E., 10.0 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 10 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 5 2 E 10 4 X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.1°47'20"E.
630.00	Right bank dry wash, 40 ft. wide, course, N.88°W.
900.00	Left bank dry wash, 40 ft. wide, course, N.75°E.
1499.49	Cor. No. 3
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd.

FEET	
	M.S. 4674 E 5 3 X; from which
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence S.88°12'40"W.
300.00	Lode line; discovery point bears N.1°47'20"W., 1489.49 ft. dist.
490.00	Right bank dry wash, 30 ft. wide, course, N.30°W.
600.00	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 4 lode of this survey.
	Thence N.1°47'20"W.
149.49	Left bank dry wash, 30 ft. wide, course, N.30°W.
344.49	Right bank dry wash, 30 ft. wide, course, N.40°E.
1059.49	Left bank dry wash, 40 ft. wide, course, N.25°W.
1229.49	Right bank dry wash, 40 ft. wide, course, N.17°E.
1499.49	Cor. No. 1, and place of beginning.

EAST NO. 6 LODE

	Beginning at Cor. No. 1 of the EAST No. 6 Lode, identical with Cor. No. 1 of the EAST No. 1 lode of this survey
	On line 3-4 EAST No. 2 lode of this survey.
	Thence S.88°12'40"W.
300.00	Lode line; discovery point bears N.1°47'20"W., 10.0 ft. dist.
598.93	Intersect line 3-4 Sur. No. 4633 HORSESHOE No. 3 lode at a point from which Cor. No. 3 HORSESHOE No. 3 lode, identical with Cor. No. 5 SILVER TIP EXTENSION No. 3 lode of the same survey, bears N.1°51'40"W., 422.72 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 1 lode of this survey.
	Thence N. 1°47'20"W.
422.72	Intersect line 2-3 Sur. No. 4633 HORSESHOE No. 3 lode, identical with line 5-1 SILVER TIP EXTENSION No. 3 lode of the same survey, at a point

Form 9180–21
(November 1967)

FEET	
	from which Cor. No. 3 HORSESHOE No. 3 lode, identical with Cor. No. 5 SILVER TIP EXTENSION No. 3 lode, bears N. 88°39'52" E., 0.53 ft. dist.
730.00	Left bank Queen Creek, 35 ft. wide, course S.70°W.
750.00	Power line bears N.66°15'E. and S.66°15'W.
970.00	Center of highway, U.S. 60-70, bears S.55°W. and N. 55°E.
1014.91	Intersect line 2-3 Sur. No. 4633 SILVER TIP EXTENSION No. 3 lode, identical with line 4-1 BLACKFOOT No. 4 lode of the same survey, at a point from which Cor. No. 3 SILVER TIP EXTENSION No. 3 lode, identical with Cor. No. 4 BLACKFOOT No. 4 lode, bears N.88° 32'E., 154.79 ft. dist.
1499.50	Cor. No. 3
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock, with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 6 3 X; from which
	Cor. No. 4 Sur. No. 4633 BLACKFOOT No. 4 lode, identical with Cor. No. 3 SILVER TIP EXTENSION No. 3 lode, bears S.19°28'55" E., 509.42 ft. dist.
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
	Thence N.88°12'40" E.
155.75	Cor. No. 2 EAST No. 11 lode of this survey
156.85	Intersect line 3-4 Sur. No. 4633 BLACKFOOT No. 4 lode at a point from which Cor. No. 4, identical with Cor. No. 3 SILVER TIP EXTENSION No. 3 lode of the same survey, bears S.1°33'00" E., 485.34 ft. dist.
300.00	Lode line; discovery point bears S.1°47'20" E., 1489.50 ft. dist.
588.59	Point selected for witness Cor. No. 4, identical with witness Cor. No. 3 EAST No. 7 lode of this survey.
	On line 1-2 EAST No. 11 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long cemented in a 6 ins.-deep hole in the dacite bedrock. Firmly secured to the iron post is a brass cap 2 ins. diam. mkd. M.S. 4674 E6 4WC E7 3WC X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones sets adjacent to the iron post.

(This form bound on left side)

FEET	
600.00	Cor. No. 4 identical with Cor. No. 3 of the EAST No. 7 lode of this survey.
	On line 1-2 EAST No. 11 lode of this survey.
	This corner falls at an inaccessible point on a rock bluff where a monument cannot be established.
	Thence S. 1°47'20" E.
280.00	Center of highway, U. S. 60-70, bears N.74°E. and S.78°W.
380.00	Right bank Queen Creek, 30 ft. wide, course S.80°W.
505.00	Power line bears N.66°15'E. and S.66°15'W.
1414.50	Cor. No. 2 EAST No. 7 lode, identical with Cor. No. 4 EAST No. 2 lode, both of this survey.
1499.50	Cor. No. 1, and place of beginning.
	EAST No. 7 LODE
	Beginning at Cor. No. 1 of the EAST No. 7 Lode, identical with Cor. No. 1 of the EAST No. 2 lode, Cor. No. 4 of the EAST No. 3 Lode and Cor. No. 2 of the EAST No. 8 lode, all of this survey.
	Thence S.88°12'40" W.
300.00	Lode line; discovery point bears N. 1°47'20" W., 10.0 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 2 lode of this survey.
	On line 4-1 EAST No. 6 lode of this survey.
	Thence N. 1°47'20" W.
909.50	Power line bears N.66°15'E. and S.66°15'W.
1004.50	Left bank Queen Creek, 30 ft. wide, course S.80°W.
1134.50	Center of highway, U. S. 60-70, bears N.74°E. and S.78°W.
1414.50	Cor. No. 3, identical with Cor. No. 4 of the EAST No. 6 lode of this survey.
	On line 1-2 EAST No. 11 lode of this survey.
	Thence N.88°12'40" E.

FEET	
155.75	Cor. No. 1 of the EAST No. 11 lode, identical with Cor. No. 1 of the EAST No. 12 lode, both of this survey.
195.25	Right bank dry wash, 10 ft. wide, course S.5°E.
300.00	Lode line; discovery point bears S.1°47'20"E., 1404.50 ft. dist.
600.00	Cor. No. 4, identical with Cor. No. 3 of the EAST No. 8 lode of this survey.
	On line 4-1 EAST No. 12 lode of this survey.
	This cor. falls at an inaccessible point on a rock bluff where a monument cannot be established. From the true Cor. point, the point selected for witness Cor. No. 4, identical with witness Cor. No. 3 EAST No. 8 lode, bears N.1°47'20"W., 47.53 ft. dist. At the witness Cor. point 1
	Set an iron post, 1/2 in. diam., 18 ins. long cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 7 4 WC E8 3WC X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones sets adjacent to the iron post.
	Thence S. 1°47'20"E.
135.00	Center of highway, U. S. 60-70, bears N.88°E. and S.85°W.
235.00	Right bank Queen Creek, 30 ft. wide, course, West.
263.00	Power line bears N.66°15'E. and S.66°15'W.
1414.50	Cor. No. 1, and place of beginning.
	EAST No. 8 LODE
	Beginning at Cor. No. 1 of the EAST No. 8 Lode, identical with Cor. No. 1 of the EAST No. 3 lode, Cor. No. 4 of the EAST No. 4 lode and Cor. No. 2 of the EAST No. 9 lode, all of this survey.
	Thence S.88°12'40"W.
300.00	Lode line; discovery point bears N.1°47'20"W., 10.0 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 1 of the EAST No. 2 lode, Cor. No. 4 of the EAST No. 3 lode and Cor. No. 1 of the EAST No. 7 lode, all of this survey.
	Thence N.1°47'20"W.

FEET	
1149.50	Left bank Queen Creek, 30 ft. wide, course, West.
1151.50	Power line bears N.66°15'E. and S.66°15'W.
1279.50	Center of highway, U. S. 60-70, bears N.88°E., and S.85°W.
1414.50	Cor. No. 3, identical with Cor. No. 4 of the EAST No. 7 lode of this survey.
	On line 4-1 EAST No. 12 lode of this survey.
	Thence N. 88°12'40"E.
155.75	Cor. No. 4 EAST No. 12 lode, identical with Cor. No. 2 EAST No. 13 lode, both of this survey.
300.00	Lode line; discovery point bears S.1°47'20"E., 1404.50 ft. dist.
600.00	Cor. No. 4, identical with Cor. No. 3 of the EAST No. 9 lode of this survey.
	On line 1-2 EAST No. 13 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock, with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 8 4 E9 3 X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.1°47'20"E.
15.00	Power line bears N.61°30'E. and S.61°30'W.
260.00	Center of highway, U. S. 60-70, bears N.70°W. and S.70°E.
330.00	Right bank Queen Creek, 30 ft. wide, course N.71°W.
1414.50	Cor. No. 1, and place of beginning.
	EAST No. 9 LODE
	Beginning at Cor. No. 1 of the EAST No. 9 Lode, identical with Cor. No. 1 of the EAST No. 4 lode, Cor. No. 1 of the EAST No. 5 lode and Cor. No. 1 of the EAST No. 10 lode, all of this survey.
	Thence S.88°12'40"W.

Form 9180–21
(November 1967)

FEET	
300.00	Lode line; discovery point bears N.1°47'20"W., 10.0 ft. dist.
540.00	Telephone line bears N.45°45'E. and S.45°45'W.
600.00	Cor. No. 2, identical with Cor. No. 1 of the EAST No. 3 lode, Cor. No. 4 of the EAST No. 4 lode and Cor. No. 1 of the EAST No. 8 lode, all of this survey.
	Thence N.1°47'20"W.
1054.50	Left bank Queen Creek, 30 ft. wide, course, N.71°W.
1154.50	Center of highway, U. S. 60-70, bears S.70°E. and N.70°W.
1399.50	Power line bears N.61°30'E. and S.61°30'W.
1414.50	Cor. No. 3 identical with Cor. No. 4 of the EAST No. 8 lode of this survey.
	On line 1-2 EAST No. 13 lode of this survey.
	Thence N.88°12'40"E.
25.00	Power line bears N.61°30'E. and S.61°30'W.
155.75	Cor. No. 1 EAST No. 13 lode, identical with Cor. No. 1 EAST No. 14 lode, both of this survey.
300.00	Lode line; discovery point bears S.1°47'20"E., 1404.50 ft. dist.
600.00	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 10 lode of this survey.
	On line 4-1 EAST No. 14 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock, with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 9 4 E10 2 X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones sets adjacent to the iron post.
	Thence S.1°47'20"E.
350.00	Center of highway, U. S. 60-70, bears N. 70°E. and S.80°W.
455.00	Right bank Queen Creek, 30 ft. wide, course S.75°W.
580.00	Right bank dry wash, 30 ft. wide, course, N.30°W.
1045.00	Telephone line bears N.61°E. and S.61°W.
1414.50	Cor. No. 1, and place of beginning.

(This form bound on left side)

FEET	
	EAST No. 10 LODE
	Beginning at Cor. No. 1 of the EAST No. 10 Lode, identical with Cor. No. 1 of the EAST No. 4 lode, Cor. No. 1 of the EAST No. 5 lode and Cor. No. 1 of the EAST No. 9 lode, all of this survey.
	Thence N.1°47'20"W.
369.50	Telephone line bears N.61°E. and S.61°W.
804.50	Left bank dry wash, 30 ft. wide, course N.30°W.
929.50	Left bank Queen Creek, 30 ft. wide, course S.75°W.
1064.50	Center of highway, U. S. 60-70, bears N.70°E. and S.80°W.
1414.50	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 9 lode of this survey.
	On line 4-1 EAST No. 14 lode of this survey.
	Thence N.88°12'40"E.
155.75	Cor. No. 4 EAST No. 14 lode, identical with Cor. No. 1 of the EAST No. 15 lode, both of this survey.
300.00	Lode line; discovery point bears S.1°47'20"E., 1404.50 ft. dist.
469.94	Point selected for witness Cor. No. 3
	On line 4-1 EAST No. 15 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock, with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam. mkd. M.S. 4674 E 10 3WC X; from which
	A wood post 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
562.22	Center of highway, U. S. 60-70, bears S.45°W. and N.45°E.
600.00	Cor. No. 3
	On line 4-1 EAST No. 15 lode of this survey.
	This cor. falls on the edge of the paved highway where a permanent monument cannot be placed.
	Thence S.1°47'20"E.

FEET	
25.00	Right bank Queen Creek, 15 ft. wide, course S.43°W.
730.00	Telephone line bears N.61°E. and S.61°W.
1414.50	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 5 lode of this survey.
	Thence S.88°12'40"W.
300.00	Lode line; discovery point bears N. 1°47'20"E., 10.0 ft. dist.
425.00	Right bank dry wash, 40 ft. wide, course N.30°E.
600.00	Cor. No. 1, and place of beginning.
	EAST No. 11 LODE
	Beginning at Cor. No. 1 of the EAST No. 11 Lode, identical with Cor. No. 1 of the EAST No. 12 lode of this survey.
	On line 3-4 EAST No. 7 lode of this survey.
	This corner falls at an inaccessible point on a rock bluff where a monument cannot be established. From this point
	The 1/4 cor. of secs. 29 and 32, bears S.51°20'30"E., 1891.92 ft. dist.; previously described.
	Thence S.88°12'40"W.
155.75	Cor. No. 3 EAST No. 7 lode identical with Cor. No. 4 EAST No. 6 lode, both of this survey.
167.16	Point selected for witness Cor. No. 3 EAST No. 7 lode, identical with witness Cor. No. 4 EAST No. 6 lode, both of this survey.
300.00	Lode line; discovery point bears N.1°41'55"W., 10.0 ft.
598.90	Intersect line 3-4 Sur. No. 4633 BLACKFOOT No. 4 lode at a point from which Cor. No. 3, identical with Cor. No. 3 WHITE-FOOT No. 3 lode of the same survey, bears N.1°33'W., 112.49 ft. dist.
600.00	Cor. No. 2
	On line 3-4 EAST No. 6 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E11 2 X; from which

FEET	
	Cor. No. 3 Sur. No. 4633 BLACKFOOT No. 4 lode, identical with Cor. No. 3 WHITE-FOOT No. 3 lode of the same survey, bears N.0°59'15"W., 112.50 ft. dist.
	A wood post, 4 x 3 ins. 4 ft. long in a mound of stones, sets adjacent to the iron post.
	Thence N. 1°41'55"W.
112.50	Intersect line 2-3 Sur. No. 4633 BLACKFOOT No. 4 lode, identical with line 3-4 WHITE-FOOT lode, of the same survey at a point from which Cor. No. 3 BLACKFOOT No. 4 lode identical with Cor. No. 3 WHITE-FOOT No. 3 lode bears N.88°32'40"E., 1.40 ft. dist.
712.80	Intersect line 1-2 Sur. No. 4633, identical with line 3-4 ASH No. 3 lode of the same survey at a point from which Cor. No. 2 WHITE-FOOT No. 3 lode, identical with Cor. No. 3 ASH No. 3 lode, bears N.88°30'34"E., 3.68 ft. dist.
1312.84	Intersect line 1-2 Sur. No. 4633 ASH No. 3 lode, identical with line 4-1 ASH No. 8 lode of the same survey at a point from which Cor. No. 2 ASH No. 3 lode, identical with Cor. No. 4 ASH No. 8 lode, bears N.88°27'08"E., 5.89 ft. dist.
1490.00	Right bank dry wash, 20 ft. wide, course S.52°E.
1499.93	Cor. No. 3
	This corner falls in the center of dry wash where a monument would be obliterated; from this point Cor. No. 4 Sur. No. 4633 ASH No. 8 lode, identical with Cor. No. 2 ASH No. 3 lode of the same survey, bears S.3°30'10"E., 187.20 ft. dist.
	Thence N.88°12'40"E.
6.31	Intersect line 3-4 Sur. No. 4633 ASH No. 8 lode at a point from which Cor. No. 4, identical with Cor. No. 2 ASH No. 3 lode of the same survey bears S.1°34'20"E., 187.12 ft. dist.

FEET	
147.22	Point selected for witness Cor. No. 3
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E11 3WC X; from which
	A wood post, 4 x 3 ins., 4 ft. long in a mound of stones sets adjacent to the iron post.
300.00	Lode line; discovery point bears S.1°41'55" E., 1489.93 ft. dist.
550.00	Right bank dry wash, 50 ft. wide, course S.3°W.
600.00	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 12 lode of this survey.
	This corner falls on the edge of dry wash where a monument would be obliterated.
	Thence S.1°41'55"E.
270.00	Left bank dry wash, 30 ft. wide, course S.82°E.
1404.86	Point selected for witness Cor. No. 1, identical with witness Cor. No. 1 EAST No. 12 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. E11 1WC E12 1WC X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
1499.93	Cor. No. 1, and place of beginning.
	EAST No. 12 LODE
	Beginning at Cor. No. 1 of the EAST No. 12 Lode, identical with Cor. No. 1 of the EAST No. 11 lode of this survey.
	On line 3-4 EAST No. 7 lode of this survey.
	Thence N. 1°41'55"W.
95.07	Point selected for witness Cor. No. 1, identical with witness Cor. No. 1 EAST No. 11 lode of this survey.
1199.93	Right bank dry wash, 30 ft. wide, course S.82°E.

FEET	
1499.93	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 11 lode of this survey. Thence N. 88°12'40"E.
34.60	Point selected for witness Cor. No. 2, identical with witness Cor. No. 4 of the EAST No. 11 lode of this survey. Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E11 4WC E12 2WC X; from which A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
300.00	Lode line; discovery point bears S.1°41'55"E., 1406.65 ft. dist.
600.00	Cor. No. 3, identical with Cor. No. 3 of the EAST No. 13 lode of this survey. Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E12 3 E13 3X; from which A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post. Thence S.1°41'55"E.
1416.65	Point selected for witness Cor. No. 4, identical with witness Cor. No. 2 of the EAST No. 13 lode of this survey. Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E12 4WC E13 2WC X; from which A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
1499.93	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 13 lode of this survey. On line 3-4 EAST No. 8 lode of this survey. This corner falls at an inaccessible point on a rock bluff where a monument cannot be established.

FEET	
	Thence S.88°12'40"W.
155.75	Cor. No. 3 EAST No. 8 lode, identical with Cor. No. 4 EAST No. 7 lode, both of this survey.
300.00	Lode line; discovery point bears N.1°41'55"W., 93.28 ft. dist.
550.50	Left bank dry wash, 10 ft. wide, course S.5°E.
600.00	Cor. No. 1, and place of beginning.

EAST No. 13 LODE

Beginning at Cor. No. 1 of the EAST No. 13 Lode, identical with Cor. No. 1 of the EAST No. 14 lode of the same survey.

On line 3-4 EAST No. 9 lode of this survey.

Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E13 1 E14 1X; from which

The 1/4 cor. of secs. 29 and 32 bears S.12°50'30"E., 1250.57 ft. dist., previously described.

A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.

Thence S.88°12'40"W.

FEET	
130.75	Power line bears N.61°30'E. and S.61°30'W.
155.75	Cor. No. 3 EAST No. 9 lode, identical with Cor. No. 4 EAST No. 8 lode, both of this survey.
300.00	Lode line; discovery point bears N.1°41'55"W., 10.0 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 12 lode of this survey.

On line 3-4 EAST No. 8 lode of this survey.

Thence N.1°41'55"W.

FEET	
83.28	Witness Cor. No. 2, identical with witness Cor. No. 4 of the EAST No. 12 lode of this survey.
1499.93	Cor. No. 3, identical with Cor. No. 3 of the EAST No. 12 lode of this survey.

Thence N.88°12'40"E.

FEET	
300.00	Lode line; discovery point bears S.1°41'55"E., 1489.93 ft. dist.
600.00	Cor. No. 4, identical with Cor. No. 2 of the EAST No. 14 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E 13 4 E14 2 X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.1°41'55"E.
1435.00	Power line bears N.61°30'E. and S.61°30'W.
1499.93	Cor. No. 1, and place of beginning.
	EAST No. 14 LODE
	Beginning at Cor. No. 1 of the EAST No. 14 Lode, identical with Cor. No. 1 of the EAST No. 13 lode of this survey.
	On line 3-4 EAST No. 9 lode of this survey.
	Thence N.1°41'55"W.
64.93	Power line bears N.61°30'E. and S.61°30'W.
1499.93	Cor. No. 2, identical with Cor. No. 4 of the EAST No. 13 lode of this survey.
	Thence N.88°12'40"E.
300.00	Lode line; discovery point bears S.1°41'55"E., 1489.93 ft. dist.
600.00	Cor. No. 3, identical with Cor. No. 2 of the EAST No. 15 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E14 3 E15 2 X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.1°41'55"E.
1125.00	Power line bears N.61°30' E. and S.61°30'W.

Form 9180–21
(November 1967)

FEET	
1499.93	Cor. No. 4, identical with Cor. No. 1 of the EAST No. 15 lode of this survey.
	On line 2-3 EAST No. 10 lode of this survey.
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E14 4 E15 1X; from which
	The 1/4 cor. of secs. 29 and 32 bears S.14°34'05"W., 1279.15 ft. dist., previously described.
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.88°12'40"W.
155.75	Cor. No. 2 EAST No. 10 lode, identical with Cor. No. 4 EAST No. 9 lode, both of this survey.
300.00	Lode line; discovery point bears N.1°41'55"W., 10.0 ft. dist.
600.00	Cor. No. 1, and place of beginning.
	EAST No. 15 LODE
	Beginning at Cor. No. 1 of the EAST No. 15 Lode, identical with Cor. No. 4 of the EAST No. 14 lode of this survey.
	On line 2-3 EAST No. 10 lode.
	Thence N.1°41'55"W.
374.93	Power line bears N.61°30'E. and S.61°30'W.
1499.93	Cor. No. 2, identical with Cor. No. 3 of the EAST No. 14 lode of this survey.
	Thence N.88°12'40"E.
300.00	Lode line; discovery point bears S.1°41'55"E., 1489.93 ft. dist.
600.00	Cor. No. 3
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E15 3X; from which

FEET	
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.1°41'55"E.
820.00	Power line bears N.61°30'E. and S.61°30'W.
1320.00	Center of highway, U. S. 60-70, bears N.53°E. and S.53°W.
1390.00	Right bank Queen Creek, 15 ft. wide, course S.54°W.
1499.93	Cor. No. 4
	Set an iron post, 1/2 in. diam., 18 ins. long, cemented in a 6 ins.-deep hole in the dacite bedrock with Rocktite epoxy. Firmly secured to the iron post is a brass cap, 2 ins. diam., mkd. M.S. 4674 E15 4X; from which
	A wood post, 4 x 3 ins., 4 ft. long, in a mound of stones, sets adjacent to the iron post.
	Thence S.88°12'40"W.
115.00	Left Bank Queen Creek, 15 ft. wide, Course S.43°W.
155.75	Cor. No. 3 EAST No. 10 lode of this survey.
193.53	Center of highway, U. S. 60-70, bears N.45°E. and S.45°W.
285.81	Witness Cor. No. 3 EAST No. 10 lode of this survey.
300.00	Lode line; discovery point bears N.1°47'55"W., 10.0 ft. dist.
600.00	Cor. No. 1, and place of beginning.

Survey No. 4674

AREAS	Acres
Total area EAST No. 1 lode	20.654
Area in conflict with	
Sur. No. 4633 OAK No. 4 lode	0.034
Sur. No. 4633 OAK No. 1 lode	0.024
Sur. No. 4633 HORSESHOE No. 3 lode	0.005
Total area EAST No. 2 lode	20.654
Total area EAST No. 3 lode	20.654
Total area EAST No. 4 lode	20.654
Total area EAST No. 5 lode	20.654
Total area EAST No. 6 lode	20.654

FEET		
	Area in conflict with	
	Sur. No. 4633 HORSESHOE No. 3 lode	0.008
	Sur. No. 4633 SILVER TIP EXTENSION No. 3 lode	2.085
	Sur. No. 4633 BLACKFOOT No. 4 lode	1.735
	Total area EAST No. 7 lode	19.483
	Total area EAST No. 8 lode	19.483
	Total area EAST No. 9 lode	19.483
	Total area EAST No. 10 lode	19.483
	Total area EAST No. 11 lode	20.660
	Area in conflict with	
	Sur. No. 4633 BLACKFOOT No. 4 lode	0.003
	Sur. No. 4633 WHITE-FOOT No. 3 lode	0.035
	Sur. No. 4633 ASH No. 3 lode	0.066
	Sur. No. 4633 ASH No. 8 lode	0.026
	Total area EAST No. 12 lode	20.660
	Total area EAST No. 13 lode	20.660
	Total area EAST No. 14 lode	20.660
	Total area EAST No. 15 lode	20.660

LOCATION

This survey is located in the NE.1/4, NW.1/4, SW.1/4 & SE.1/4 sec. 29 and NW.1/4 & NE. 1/4 sec. 32, T.1S., R.13E., G.&S.R. Mer.

The survey of the EAST Nos. 1-15 lodes is identical with the respective location or amended location as marked on the ground.

EXPENDITURES

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 claim by the claimant or its grantors are as follows:

No. 1 — The discovery point of the EAST No. 1 lode is on the lode line 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4.

Value, None

No. 1 — The discovery point of the EAST No. 2 lode is on the lode line, 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4.

Value, None

No. 1 — The discovery point of the EAST No. 3 lode is on the lode line, 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4.

Value, None

No. 1 — The discovery point of the EAST No. 4 lode is on the lode line, 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4.

Value, None.

FEET	
No. 1	The discovery point of the EAST No. 5 lode is on the lode line, 10.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, None
No. 1	The discovery point of the EAST No. 6 lode is on the lode line, 10.0 ft. from a point on line 1-2,300.0 ft. from Cor. No. 1. Value, None
No. 1.	The discovery point of the EAST No. 7 lode is on the lode line, 10.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, None
No. 1	The discovery point of the EAST No. 8 lode is on the lode line, 10.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, None
No. 1	The discovery point of the EAST No. 9 lode is on the lode line, 10.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, None
No. 1	The discovery point of the EAST No. 10 lode is on the lode line, 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4. Value, None
No. 1	The discovery point of the EAST No. 11 lode is on the lode line, 10.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, None
No. 1	The discovery point of the EAST No. 12 lode is on the lode line, 93.28 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4. Value, None
No. 1	The discovery point of the EAST No. 13 lode is on the lode line, 10.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, None
No. 1	The discovery point of the EAST No. 14 lode is on the lode line, 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4. Value, None
No. 1	The discovery point of the EAST No. 15 lode is on the lode line, 10.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4. Value, None

FEET

An interest in a common improvement described as follows:

On the 3600 level of the Magma mine, the North 6 Main Cross-Cut East, 9 x 11 ft. in size, partially timbered, has been driven to point on the EAST No. 7 lode, the face of which bears N.74°30'E., 200.0 ft. from Cor. No. 2 of the EAST No. 7 lode. This cross-cut was extended from the HORSESHOE No. 3 patented lode, Sur. No. 4633, and crosses the EAST No. 6 lode to reach the point on the EAST No. 7 lode, 795 ft. of this cross-cut are on the EAST Nos. 6 & 7 lodes. From the face of this cross-cut the following diamond core holes, size NX and BX, have been drilled:

No.	Bearing	Inclination	Depth
36104	S.37°30'E.	+40°	126 ft.
36104A	S.37°30'E.	+ 3°	65 ft.
36104B	S.88°W.	-48°	95 ft.
36104C	N.69°30'E.	+ 2°	229 ft.
36104D	S.51°W.	-77°30'	671 ft.
36104E	S.69°30'W.	-75°	910 ft.

At a point 350 ft. west of the face of this cross-cut, the following diamond core holes, size NX and BX, have been drilled:

No.	Bearing	Inclination	Depth
36100	S.48°30'E.	+ 5°	207 ft.
36100A	S.57°W.	-51°	314 ft.
36100B	S.88°W.	-48°	655 ft.
36100C	S.3°30'E.	+ 2°	749 ft.

On the 3400 level of the Magma mine, the North 2 Cross-Cut East, 9 x 11 ft. in size, partially timbered, has been driven to a point on the EAST No. 12 lode, the face of which bears N.18°W., 555 ft. from Cor. No. 4 of the EAST No. 12 lode. This cross-cut was extended from the WHITE-FOOT No. 3 patented lode, Sur. No. 4633, and crosses the EAST No. 11 lode to reach the point on the EAST No. 12 lode. 1080 ft. of this cross-cut are on the EAST Nos. 11 & 12 lodes. From the face of this cross-cut the following diamond core hole, size NX and BX, has been drilled:

No.	Bearing	Inclination	Depth
34109	N.62°30'W.	-52°	860 ft.

Value of cross-cuts and diamond core holes $171,460.00

Value of one-fifteenth interest 11,430.67

FEET

These improvements are part of a continuing development program to plan for the orderly extraction of known ore reserves. Present plans call for the sinking of a new shaft on the EAST No. 1 lode to connect with the North 6 Main Cross-Cut East. The extension of the 3400 and 3600 level cross-cuts with necessary laterals and drifts to connect with the new shaft affords the most practical and economical means of developing all of the lodes of this survey.

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore, an undivided one-fifteenth interest in their value is hereby credited to each of the lodes of this survey.

No portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 4633 OAK No. 4 lode: Cor. No. 2, identical with Cor. No. 3 Sur. No. 4633 OAK No. 1 lode and Cor. No. 3 are iron posts with brass caps, firmly set and properly marked. Lines 1-2 and 3-4 are shown as approved. Line 2-3 was found to be S.1°51'30"E., 597.53 ft. instead of S.1°55'40"E., 597.69 ft. as approved.

Sur. No. 4633 OAK No. 1 lode: Cor. No. 3 described above. Cor. No. 2, identical with Cor. No. 4 Sur. No. 4633 HORSESHOE No. 3 lode, is an iron post with a brass cap, firmly set and properly marked. Lines 1-2 and 3-4 are shown as approved. Line 2-3 was found to be S.1°52'20"E., 596.57 ft. instead of S.1°55'40"E., 596.70 ft. as approved.

Sur. No. 4633 HORSESHOE No. 3 lode: Cor. No. 4 described above. Cor. No. 3, identical with Cor. No. 5 Sur. No. 4633 SILVER TIP EXTENSION No. 3 lode, is an iron post with a brass cap firmly set and properly marked. Lines 2-3 and 4-5 are shown as approved. Line 3-4 was found to be S.1°51'40"E., 596.71 ft. instead of S.1°54'40"E., 596.71 ft. as approved.

Form 9180–21
(November 1967)

FEET

Sur. No. 4633 SILVER TIP EXTENSION No. 3 lode: Cor. No. 5 described above. Cor. No. 3, identical with Cor. No. 4 Sur. No. 4633 BLACKFOOT No. 4 lode, and Cor. No. 4 are iron posts with brass caps, firmly set and properly marked. Lines 2-3 and 5-1 are shown as approved. Line 3-4 was found to be S.1°30'50"E., 592.39 ft. instead of S.1°33'50"E., 592.39 ft. as approved. Line 4-5 was found to be S.88°34'30"W., 151.43 ft. instead of S.88°31'30"W., 151.43 ft. as approved.

Sur. No. 4633 BLACKFOOT No. 4 lode; Cor. No. 4 described above. Cor. No. 3, identical with Cor. No. 3 Sur. No. 4633 WHITE-FOOT No. 3 lode, is a brass cap, properly marked and firmly set in the dacite bedrock. Lines 2-3 and 4-1 are shown as approved. Line 3-4 was found to be S.1°33'00"E., 597.83 ft. instead of S.1°36'00"E., 597.83 ft. as approved.

Sur. No. 4633 WHITE-FOOT No. 3 lode: Cor. No. 3 described above. Cor. No. 2, identical with Cor. No. 3 Sur. No. 4633 ASH No. 3 lode, is a brass cap, properly marked and firmly set in the dacite bedrock. Lines 1-2 and 3-4 are shown as approved. Line 2-3 was found to be S.1°28'50"E., 600.28 ft. instead of S.1°34'20"E., 600.0 ft. as approved.

Sur. No. 4633 ASH No. 3 lode: Cor. No. 3 described above. Cor. No. 2, identical with Cor. No. 4 Sur. No. 4633 ASH No. 8 lode, is an iron post with a brass cap, firmly set and properly marked. Lines 1-2 and 3-4 are shown as approved. Line 2-3 was found to be S.1°29'15"E., 600.06 ft. instead of S.1°34'20"E., 599.97 ft. as approved.

Sur. No. 4633 ASH No. 8 lode: Cor. No. 4 described above. Lines 3-4 and 4-1 shown as approved.

The angle point on the section line between sections 29 and 32 is an iron post, 1 in. diam., with a brass cap properly marked. The iron post is in a mound of stones and not firmly set. The line between the 1/4 cor. of secs. 29 and 32 and the angle point between secs. 29 and 32 was found to be N.89°38'55"W., 1520.27 ft. dist., instead of N.89°55'W., 1499.52 ft. (22.72 chs.) as approved.

FIELD ASSISTANTS

Name	Capacity
George Erickson	Chainman
David Sety	Axeman

(This form bound on left side)

	FEET		

Form 4–686
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

29

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
Harvey W. Smith	May 13, 1969

I HEREBY CERTIFY That in pursuance of an order received from the Chief, Division of Engineering, Bureau of Land Management, at Phoenix, Arizona dated April 17, 19 69, I have carefully executed the survey of the claim of Magma Copper Company, known as the *(lode, ~~placer, or mill site~~)* (see back of page), situated in Pioneer Mining District, Pinal County, Secs. 29 & 32, Township 1 S., Range 13 E., Gila & Salt River Meridian, in the State of Arizona.

This survey, designated as number 4674, 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 the 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 *(lode or placer)* lode 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)

Harvey W. Smith
(Signature of Mineral Surveyor)
Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management
Office: Arizona State Office
Location: Phoenix, Arizona
Date: July 15, 1969

The foregoing field notes of mineral survey number 4674, in Sections 29 and 32, [x] surveyed [ ] unsurveyed Township 1 S., Range 13 E., Gila and Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated April 17, 19 69, 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.

Fred J. Weiler
(Authorized Signature)
Fred J. Weiler

State Director
(Title)

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY That the foregoing transcript of field notes of the above described mineral survey number is a true copy of the original field notes.~~

~~(Authorized Signature)~~ ~~(Title)~~

Sec. 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.

GPO 831245

EAST NO. 1
EAST NO. 2
EAST NO. 3
EAST NO. 4
EAST NO. 5
EAST NO. 6
EAST NO. 7
EAST NO. 8
EAST NO. 9
EAST NO. 10
EAST NO. 11
EAST NO. 12
EAST NO. 13
EAST NO. 14
EAST NO. 15