

Form 3400-11
(September 1967)
(formerly 4-683)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number
4797

State
Arizona

Land District
Arizona

FIELD NOTES

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

Magma Copper Company
c/o Twitty, Siewright & Mills
100 W. Clarendon
Phoenix, AZ 85013

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
OAK #15	4/21/17	1/15/19
Oak No. 17	4/17/17	
Oak No. 16	4/18/17	
Oak No. 14	4/21/17	
Oak No. 7	2/28/17	

Mining district Pioneer			County Pinal	
Section 31 & 32	Township 1 South	Range 13 East	Meridian G. & S.R.	Survey under order dated June 7, 1978
Survey commenced June 26, 1978		Survey completed Dec. 15, 1978	Name of Mineral Surveyor Harvey W. Smith	

RECEIVED
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C. 20250

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 WASHINGTON, D. C. 20250

DATE	DESCRIPTION	AMOUNT
12/15/78
12/15/78
12/15/78
12/15/78
12/15/78

RECEIVED
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C. 20250

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 10-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:

July 18, 1978, at Cor. No. 2 of the Oak No. 7 lode, latitude $33^{\circ}18'02''N.$, longitude $111^{\circ}04'09''W.$, elevation 4,220. ft. above sea level, and temperature $90^{\circ}F.$, 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 from a reference point about 460 ft. northward S.W. to the sun.

Mean time of observation,
105th meridian standard
time = $4^h21^m58^s$ p.m.

Declination of sun at mean
time of observation = $20^{\circ}57'12.8''N.$

Mean observed vertical
angle to sun's center = $32^{\circ}17'38''$

Mean horizontal angle from
reference point to sun's
center = $277^{\circ}26'15''S.W.$

True bearing to reference
point = $N.2^{\circ}12'20''W.$

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; 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, a K & E Autoranger 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.

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 $13^{\circ}30'E.$

Mineral Survey No. 4797

FEET	
	<p style="text-align: center;">OAK No. 7 LODE</p> <p>Beginning at Cor. No. 1 of the Oak No. 7 lode, identical with Cor. No. 3 of the Oak No. 14 lode of this survey and Cor. No. 3, M.S. No. 4633, Oak No. 4 lode.</p> <p>Fd. an iron post, 3/4 in. diam., 10 ins. above ground, firmly set, with brass cap properly mkd. to which I add mks. 0.7 1 0.14 3 U.S.M.S. 4797; from which</p> <p style="padding-left: 40px;">The 1/4 sec. cor. of secs. 29 and 32, T.1S., R.13E., G. & S.R.M., bears N.51°22'18"E., 2,737.97 ft. dist.; monumented with an iron post 1 in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd.</p> <p style="padding-left: 40px;">Cor. No. 3, M.S.No. 4674, East No. 1 lode bears S.0°30'25"E., 131.51 ft. dist.</p> <p style="padding-left: 40px;">A wood post, 4 x 4 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 S.1°48'30"E.</p>
131.47	Intersect line 2-3, M.S. No. 4674, East No. 1 lode at a point from which Cor. No. 3 bears S.88°08'40"W., 2.99 ft. dist.
299.75	Lode line; discovery point bears S.88°44'43"W. 1000 ft. dist.
599.50	<p>Cor. No. 2, identical with Cor. No.2 of the Oak No. 14 lode and Cor. No. 4 of the Oak #15 lode, 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 0.7 2 0.14 2 0.15 4 U.S.M.S. 4797; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 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 S.88°44'43"W.</p>
1,470.29	<p>A point for witness 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 W.C. 0.7 3 U.S.M.S. 4797; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p>

FEET	
	No local bearing objects or bearing trees available.
1,490.29	Cor. No. 3 This corner falls at an inappropriate position to construct a monument. Thence N.1°48'30"W.
189.75	Power line bears N.64°30'20"W. and S.64°30'20"E.
299.75	Lode line; discovery point bears N.88°44'43"E., 490.29 ft. dist.
599.50	Cor. No. 4, identical with Cor. No. 2 M.S. No. 4633 Oak No. 3 lode and Cor. No. 4 of the Oak No. 4 lode of the same survey. Fd. a brass tablet set flush in a dacite rock ledge firmly set and properly mkd. to which I add mks. 0.7 4 U.S.M.S. 4797; from which A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post. No local bearing objects or bearing trees available. Thence N.88°44'43"E.
883.43	Power line bears N.29°24'40"E. and S.29°24'40"W.
1,487.35	Intersect line 3-4, M.S. No. 4674, East No. 1 lode at a point from which Cor. No. 3 bears S.1°47'20"E., 131.50 ft. dist.
1,490.29	Cor. No. 1, and place of beginning.
OAK No. 14 LODE	
	At Cor. No. 1 of the Oak No. 14 lode, identical with Cor. No. 1 of the Oak #15 lode of this survey. Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X 0.14 1 0.15 1 U.S.M.S. 4797; from which The 1/4 sec. cor. of secs. 29 and 32 bears N.15°28'41"E., 2,349.37 ft. dist.; heretofore described. A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post. No local bearing objects or bearing trees available. Thence S.88°18'09"W.
683.7	Center line of improved, asphalt-topped road, 20 ft. wide, bears N.35°W. and S.40°E.

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FEET	
1,493.70	Cor. No. 2, identical with Cor. No. 4 of the Oak #15 lode and Cor. No. 2 of the Oak No. 7 lode, both of this survey. Thence N.1°48'30"W.
299.75	Lode line; discovery point bears N.88°18'09"E., 100 ft. dist.
468.03	Intersect line 2-3, M.S. No. 4674, East No. 1 lode at a point from which Cor. No. 2 bears N.88°08'40"E., 597.32 ft. dist.
599.50	Cor. No. 3, identical with Cor. No. 1 of the Oak No. 7 lode of this survey and Cor. No. 3, M.S. No. 4633, Oak No. 4 lode. The 1/4 sec. cor. of secs. 29 and 32 bears N.51°22'18"E., 2,737.97 ft. dist., heretofore described. Thence N.88°18'09"E.
597.27	Intersect line 1-2, M.S. No. 4674, East No. 1 lode, common with line 3-4 East No. 2 lode of the same survey at a point from which Cor. No. 3 of the East No. 2 lode bears S.1°47'20"E., 44.83 ft. dist.; thence S.1°51'20"E., 85.0 ft. dist. to Cor. No. 2 of the East No. 1 lode.
740.	Centerline of improved, asphalt-topped road, 20 ft. wide, bears N.46°E. and S.46°W.
1,197.07	Intersect line 1-2, M.S. No. 4674, East No. 2 lode, common with line 3-4 of the East No. 3 lode of the same survey, at a point from which Cor. No. 2 of the East No. 2 lode, identical with Cor. No. 3 of the East No. 3 lode, bears S.1°47'20" E., 43.48 ft. dist.
1,493.70	Cor. No. 4. 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 0.14 4 U.S.M.S. 4797; from which Cor. No. 3, M.S. No. 4674, East No. 3 lode, identical with Cor. No. 2 of the East No. 2 lode of the same survey, bears S.79°57'44"W., 299.73 ft. dist. A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post. No local bearing objects or bearing trees available. Thence S.1°48'30"E.
42.86	Intersect line 2-3, M.S. No. 4674, East No. 3 lode at a point from which Cor. No. 3, identical with Cor. No. 2 of the East No. 2 lode of the same survey, bears S.88°11'W., 296.64 ft. dist.

FEET	
299.75	Lode Line; discovery point bears S.88°18'09"W., 1,393.7 ft. dist.
599.50	Cor. No. 1, and place of beginning.
OAK #15 LODE	
Beginning at Cor. No. 1 of the Oak #15 lode, identical with Cor. No. 1 of the Oak No. 14 lode of this survey.	
Thence S.1°48'30"E.	
299.75	Lode line; discovery point bears S.88°18'09"W., 1,393.7 ft. dist.
320.	Centerline of improved, asphalt-topped road, 20. ft. wide, bears N.77°30'W. and S.77°30'E.
599.50	Cor. No. 2, identical with Cor. No. 4 of the Oak No. 16 lode 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 0.15 2 0.16 4 U.S.M.S. 4797; from which	
A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.	
No local bearing objects or bearing trees available.	
Thence S.88°18'09"W.	
1,493.70	Cor. No. 3, identical with Cor. No. 3 of the Oak No. 16 lode 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 0.15 3 0.16 3 U.S.M.S. 4797; from which	
A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.	
No local bearing objects or bearing trees available.	
Thence N.1°48'30"W.	
299.75	Lode line; discovery point bears N.88°18'09"E., 100. ft. dist.
599.50	Cor. No. 4, identical with Cor. No. 2 of the Oak No. 7 lode and Cor. No. 2 of the Oak No. 14 lode, both of this survey.
Thence N.88°18'09"E.	
810.	Center line of improved asphalt-topped road, 20. ft. wide, bears N.35°W. and S.40°E.

FEET	
1,493.70	<p>Cor. No. 1, and place of beginning.</p> <hr/> <p style="text-align: center;">OAK No. 16 LODE</p> <p>At Cor. No. 1 of the Oak No. 16 lode, identical with Cor. No. 1 of the Oak No. 17 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 0.16 1 0.17 1 U.S.M.S. 4797; from which</p> <p style="padding-left: 40px;">The 1/4 sec. cor. of secs. 29 and 32 bears N.9°39'22"E., 3,512.33 ft. dist.; heretofore described.</p> <p style="padding-left: 40px;">A wood post, 4 x 4 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 S.88°18'09"W.</p>
1,493.70	<p>Cor. No. 2, identical with Cor. No. 4 of the Oak No. 17 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 0.16 2 0.17 4 U.S.M.S. 4797; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 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.1°48'30"W.</p>
299.75	<p>Lode line, discovery point bears N.88°18'09"E., 100. ft. dist.</p>
599.50	<p>Cor. No. 3, identical with Cor. No. 3 of the Oak #15 lode of this survey.</p> <p style="text-align: center;">Thence N.88°18'09"E.</p>
1,493.70	<p>Cor. No. 4, identical with Cor. No. 2 of the Oak #15 lode of this survey.</p> <p style="text-align: center;">Thence S.1°48'30"E.</p>
299.75	<p>Lode line; discovery point bears S.88°18'09"W., 1,393.7 ft. dist.</p>
599.50	<p>Cor. No. 1, and place of beginning.</p> <hr/> <p style="text-align: center;">OAK No. 17 LODE</p>

	FEET		
		Beginning of Cor. No. 1 of the Oak No. 17 lode, identical with Cor. No. 1 of the Oak No. 16 lode of this survey.	
		Thence S.1°48'30"E.	
	299.75	Lode line; discovery point bears S.88°18'09"W., 1,293.7 ft. dist.	
	599.50	Cor. No. 2.	
		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 0.17 2 U.S.M.S. 4797; from which	
		A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.	
		No local bearing objects or bearing trees available.	
		Thence S.88°18'09"W.	
	1,493.70	Cor. No. 3.	
		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 0.17 3 U.S.M.S. 4797; from which	
		A wood post, 4 x 4 ins. in size, 4 ft above ground, sets adjacent to the iron post.	
		No local bearing objects or bearing trees available.	
		Thence N.1°48'30"W.	
	299.75	Lode line; discovery point bears N.88°18'09"E., 200. ft. dist.	
	599.50	Cor. No. 4, identical with Cor. No. 2 of the Oak No. 16 lode of this survey.	
		Thence N.88°18'09"E.	
	1,493.70	Cor. No 1, and place of beginning.	
Mineral Survey No. 4797			
		AREAS	Acres
		Total area Oak No. 7 lode-----	20.509
		Area in conflict with -	
		M.S. No. 4674 East No. 1 lode-----	0.009
		Total area Oak No. 14 lode-----	20.557
		Area in conflict with -	
		M.S. No. 4674 East No. 1 lode-----	1.791
		M.S. No. 4674 East No. 2 lode-----	0.608
		M.S. No. 4674 East No. 3 lode-----	0.294

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FEET	
	<p>Total area Oak #15 lode-----20.557 Total area Oak No. 16 lode-----20.557 Total area Oak No. 17 lode-----20.557</p>
	<p style="text-align: center;">LOCATION</p> <p>This survey is located in the NE 1/4 of sec. 31 and the NW and SW 1/4 of sec. 32, T.1 S., R.13 E., G. & S.R.M.</p> <p>The survey of the Oak Nos. 7, 14, 16, 17 and Oak #15 lodes is identical with the respective location as marked on the ground.</p>
	<p style="text-align: center;">EXPENDITURES</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 claim by the claimant or its grantors are as follows:</p>
No. 1	<p>The discovery point of the Oak No. 7 lode is on the lode line 1,000. ft. from a point on line 1-2, 299.75 ft. from Cor. No. 1. Value, None.</p>
No. 1	<p>The discovery point of the Oak No. 14 lode is on the lode line 100. ft. from a point on line 2-3, 299.75 ft. from Cor. No. 2. Value, None.</p>
No. 1	<p>The discovery point of the Oak #15 lode is on the lode line 100. ft. from a point on line 3-4, 299.75 ft. from Cor. No. 3. Value, None.</p>
No. 1	<p>The discovery point of the Oak No. 16 lode is on the lode line 100. ft. from a point on line 2-3, 299.75 ft. from Cor. No. 2. Value, None.</p>
No. 1	<p>The discovery point of the Oak No. 17 lode is on the lode line 200. ft. from a point on line 3-4, 299.75 ft. from Cor. No. 3. Value, None.</p>
	<p>An interest in a common improvement described as follows:</p> <p>A diamond drilling program to ascertain the location of copper-bearing veins on these lodes. A description of the drill holes follows:</p> <p>A diamond drill hole, No. 3091, the collar of which bears N.15°09'W., 931 ft. from Cor. No. 1 of the Oak No. 7 lode; BX in size, bearing S.6°45'W., and inclined at a plus 1°30'. Total depth 2,245 ft. of which 604 ft. crosses the Oak No. 7 lode. Value of portion crossing Oak No. 7 is \$12,000.00.</p>

FEET

A diamond drill hole, No. 34107, the collar of which bears N.76°59'E., 975 ft. from Cor. No. 3 of the Oak No. 14 lode; BX in size bearing S.10°E. and inclined at a plus 5°. Total depth 2,140 ft. of which 1,894 ft. crosses the Oak Nos. 14,16 and 17 and #15 lodes. Value of portion crossing these lodes is \$36,500.00.

A diamond drill hole, No. 41102A, the collar of which bears N.32°08'E., 907 ft. from Cor. No. 3 of the Oak No. 14 lode; BX in size bearing S.26°E. inclined at a plus 10°. Total depth 1,212 ft. of which 315 ft. penetrates into the Oak No. 14 lode. Value of this portion is \$6,000.00.

Value of drilling, \$54,500.00 or
Value of one-fifth interest, \$10,900.00

As the veins for which these holes are being drilled do not crop out on the surface, diamond drilling from underground positions is the only logical means of determining the location of the copper bearing veins.

Five hundred dollars or over has been expended in this improvement 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-fifth interest in its 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

An improved, asphalt-topped, highway which crosses the Oak No. 14 and #15 lodes.
Claimant unknown.

A powerline which traverses a portion of the Oak No. 17 lode.
Claimant unknown.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

M.S. No. 4633 Oak No. 3 lode: Cor. No. 2, identical with Cor. No. 4 of the Oak No. 4 lode of the same survey and Cor. No. 4 of the Oak No. 7 lode of this survey, described above. Line 1-2, common with line 4-1 of the Oak No. 4 lode of the same survey, shown as approved. Line 2-3 shown as approved.

M.S. No. 4633 Oak No. 4 lode: Cor. No. 2 is an iron post 3/4 in. diam., 10 ins. above ground, firmly set and properly mkd. Cor. No. 3, identical with Cor. No. 1 of the Oak No. 7 lode and Cor. No. 3 of the Oak No. 14 lode, both of this survey, described above. Cor. No. 4 identical with Cor. No. 2 of the Oak No. 3 lode of the same survey and Cor. No. 4 of the Oak No. 7 lode of this survey, described above.

FEET

Line 2-3 was found to be $S.1^{\circ}50'17''E.$, 597.70 ft. instead of $S.1^{\circ}51'30''E.$, 597.53 ft., as approved. Line 3-4, common with line 4-1 of the Oak No. 7 lode of this survey, was found to be $S.88^{\circ}44'43''W.$, 1,490.29 ft. instead of $S.88^{\circ}19'23''W.$, 1,489.86 ft., as approved. Line 4-1 common with line 1-2 of the Oak No. 3 lode of the same survey, described above.

M.S. No. 4674 East No. 1 lode: Cor. No. 1, identical with Cor. No. 1 of the East No. 6 lode of the same survey, has been lost. Cors. Nos. 2 and 3 are iron posts, $3/4$ in. diam., 12 ins., above ground, firmly set, with brass caps properly mkd. Cor. No. 4, identical with Cor. No. 2 of the East No. 6 lode of the same survey, has been lost. Line 1-2, common with line 3-4 of the East No. 2 lode of the same survey, from Cor. No. 1 to Cor. No. 3 of the East No. 2 lode, is shown as approved. From Cor. No. 3 of the East No. 2 lode to Cor. No. 2 of the East No. 1 lode was found to be $S.1^{\circ}51'20''E.$, 85.0 ft. instead of $S.1^{\circ}47'20''E.$, 85.0 ft., as approved. Line 2-3 was found to be $S.88^{\circ}08'40''W.$, 600.31 ft. instead of $S.88^{\circ}12'40''W.$, as approved. Line 3-4 is shown as approved.

M.S. No. 4674 East No. 2 lode: Cor. No. 2, identical with Cor. No. 3 of the East No. 3 lode of the same survey, is an iron post, $3/4$ in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd. Cor. No. 3 is an iron post, $3/4$ in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd. Cor. No. 4, identical with Cor. No. 2 of the East No. 7 lode of the same survey has been lost. Line 1-2, common with line 3-4 of the East No. 3 lode, is shown as approved. Line 2-3 was found to be $S.88^{\circ}10'25''W.$, 599.80 ft. instead of $S.88^{\circ}12'40''W.$, 600.0 ft. as approved. Line 3-4, common with line 1-2 of the East No. 1 lode of the same survey, described above.

M.S. No. 4674 East No. 3 lode: Cor. No. 2, identical with Cor. No. 3 of the East No. 4 lode of the same survey, is an iron post, $3/4$ in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd. Cor. No. 3, identical with Cor. No. 2 of the East No. 2 lode of the same survey, described above. Line 2-3 was found to be $S.88^{\circ}11'W.$, 599.90 ft. instead of $S.88^{\circ}12'40''W.$, 600.0 ft., as approved. Line 3-4, common with line 2-3 of the East No. 2 lode of the same survey, described above.

MEMORANDUM

None

FIELD ASSISTANTS

Name	Capacity
Louis Machamer	Assistant Instrument-man
Michael Knox	Chainman-Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

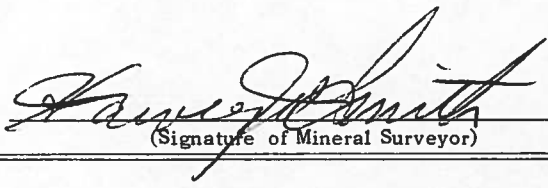
CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor <u>Harvey W. Smith</u>	Date <u>Jan. 5, 1979</u>
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I HEREBY CERTIFY That in pursuance of an order received from the Chief, Branch of Cadastral Survey, Bureau of Land Management, at Phoenix, AZ, dated June 7, 1978, I have carefully executed the survey of the claim of Magma Copper Company known as the (lode, placer, or mill site) Oak Nos. 7, 14, 16, 17 & #15 lodes situated in Pioneer Mining District, Pinal County. Secs. 31 & 32, Township 1 South Range 13 East, Gila & Salt River Meridian, in the State of Arizona

This survey, designated as number 4797, 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 (lode or placer) Oak Nos. 7, 14, 16, 17 & #15 lodes location(s) embraced in the said mining claim by claimant(s) or their 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.

<u>Scottsdale, AZ</u> (Location)	 (Signature of Mineral Surveyor)
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CERTIFICATE OF APPROVAL

Office <u>Arizona State Office</u>
Location <u>Phoenix, Arizona</u>
Date <u>November 15, 1979</u>

The foregoing field notes of mineral survey number 4797, in Section 31 & 32, Range 13 E., Gila and Salt River Meridian, in the State of Arizona, surveyed unsurveyed Township 1 S., executed by Harvey W. Smith, Mineral Surveyor, under order dated June 7, 1978, 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.

 Boyd S. Owens (Authorized Signature)	<u>Chief, Branch of Cadastral Survey</u> (Title)
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CERTIFICATE OF TRANSCRIPT

I HEREBY 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)
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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.

