

MINERAL SURVEY No. 4149

ARIZONA

Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MAGMA COPPER COMPANY

KNOWN AS THE

Yellow Coat, Florence Adams, North Queen, Black Rock and Baltic lodes

Pioneer

Mining District,

Pinal

County,

Arizona

Sections 25, 26, 35, Township 1 S., Range 12 E. in the Crook National Forest.

Surveyed under instructions dated September 9, 1931.

By Edwin T. Stewart

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced September 9, 1931.

Survey completed September 20, 1931.

Address of claimant's attorneys Rice & Mathews, Globe, Arizona.

DATES OF AMENDED LOCATIONS

See location notices.

SURVEY NO. 4149.

This survey was made with a C. L. Berger & Sons engineers transit, No. 6217, with horizontal limb 6.25 ins. diameter, having two double opposite verniers and full vertical circle 5 ins. diameter, having one double vernier; the verniers read to one minute of arc; the eye piece of the telescope is equipped with a colored glass set in the dust shutter for making direct observations on the sun. An auxiliary telescope that may be used on top or at the side of the main telescope of the instrument is equipment for observations when the sun is too high for direct observations. The instrument was in good condition at the time of the survey, and all adjustments were checked and found in good order. An observation was made on Polaris at its east elongation for meridian and on the sun at noon for latitude and time, the details of which observations are submitted herewith for examination. It not being convenient to make an observation on Polaris from one of the corners of the survey, the observation was made at a point about 2000 feet nearly due south of Cor. No. 2 of the Yellow Coat lode, and the bearing turned from the point of observation to Cor. No. 3 of said Yellow Coat lode and to Cor. No. 4 of the Black Rock lode. From these corners the bearings for the lines of the survey were obtained by angles.

The lines were measured with 650 ft. and 50 ft. steel tapes made by the Lufkin Rule Company. The 650 ft. tape is graduated every foot, with an extra ft. before the zero mark graduated to tenths and hundredths of a ft. The 50 ft. tape is graduated to feet, tenths and hundredths. Both of these tapes have recently been compared with a tape of known length and found correct.

All the lines of the survey were run by direct methods except those that were traversed and calculated, and for which I submit calculation sheets herewith.

The magnetic variation observed at each corner of the survey is 14°-00' E.

YELLOW COAT LODE.

Feet	Beginning at Cor. No. 1 of the Yellow Coat Lode, identical with Cor. No. 1 Sur. No. 2144 Silver Tip Lode, which is A limestone showing 7 x 7 x 15 ins. out of the ground, with mound of stone alongside; mkd. 1-S. T.-2144, to which I add 1-Y.C.-4149 for Cor. No. 1; from which The S. E. corner of the location, a 4 x 4 pine post in monument of stone, bears N. 88°-51' E. 189.9 ft. dist. The corner of sections 25, 26, 35 and 36, T. 1 S., R. 12 E., G. & S. R. M., bears S. 89°-51' E. 153.55 ft. dist.; an iron post, with brass cap, showing two feet above the ground and surrounded by a monument of stone; properly mkd. Cor. V, Sur. No. 342 Hub lode which is identical with Cor. II Sur. No. 350 Irene lode, bears N. 88°-51' E. 12.0 ft. dist. Thence S. 88°-51' W.
27.70	S. E. E. C. monument of the location; a monument of stone 4 ft. base, 4 ft. high.
323.00	Center of gulch, 22 ft. wide, course S. 25° E.
346.20	Cor. No. 2, which agrees with S. E. Cor. of the location. Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 2-Y.C.-4149, 20 ins. in the ground and built a monument of stone alongside for Cor. No. 2; whence A limestone 1.5 x 1.5 x 3 ft. out of the ground bears S. 31°-38' W. 24.58 ft. dist.; mkd. X B.R.-2-Y.C.-4149. Thence N. 20°-50'-30" W.
0.38	Cor. No. 4 Sur. No. 2929 Silveride lode, from which the point of intersection of line 3-4 of said Silveride lode with line II-III Sur. No. 350 Irene lode bears N. 20°-49'-30" W. 1.73 ft. dist.
2.11	Intersect line II-III Sur. No. 350 Irene lode at a point from which Cor. II bears N. 89°-10' E. 358.92 ft. dist. and the intersection of said line II-III Sur. No. 350 Irene lode with line 3-4 Sur. No. 2929 Silveride lode bears N. 89°-10' E. .0006 ft. dist. Thence N. 20°-50'-30" W.
128.00	Center of gulch, 20 ft. wide, course S. 25° E.
228.00	Center of gulch, 20 ft. wide, course south.
823.00	Center of gulch, 15 ft. wide, course S. 40° E.
1400.03	Intersect line 4-1 Sur. No. 3778 New East Horn Silver lode at a point from which Cor. No. 4 bears S. 85°-42' E. 2.95 ft. dist. and the intersection of said line 4-1 Sur. No. 3778 New East Horn Silver lode with line 3-4 Sur. No. 2929 Silveride lode bears S. 85°-42' E. 0.46 ft. dist.
1499.20	Cor. No. 3, identical with Cor. No. 3 of the Baltic lode of this survey and agrees with the N. W. Cor. of the location.

Feet

On line 3-4 Sur. No. 3778 New East Horn Silver lode.

Set a standard 2 in. iron pipe, 3 ft. long, with brass cap marked 3-Y.C.-4149-3-B.-4149, 20 ins. in the ground, and built a monument of stone alongside for Cor. No. 3, and Cor. No. 3 of said Baltic lode; from which

Cor. No. 4 Sur. No. 3778 New East Horn Silver lode bears S. 22°-22' E. 100.46 ft. dist.

The point of intersection of line 3-4 Sur. No. 3778 New East Horn Silver lode with line 3-4, Sur. No. 2929 Silveride lode bears S. 22°-22' E. 16.45 ft. dist.

A point on limestone bed rock flush with the ground bears N. 62°-23' E. 11.84 ft. dist.; mkd. X B.R.-3B.-3 Y.C.-4149.

Thence N. 88°-51' E.

Along line 3-2 of said Baltic lode.

0.47 Cor. No. 3 Sur. No. 2929 Silveride lode, from which Cor. No. 4 of said Silveride lode bears S. 20°-49'-30" E. 1498.66 ft. dist.; the point of intersection of line 3-4 of said Silveride lode with line 3-4 Sur. No. 3778 New East Horn Silver lode bears S. 20°-49'-30" E. 16.29 ft. dist.; and the point of intersection of line 3-4 of said Silveride lode with line 4-1 of said New East Horn Silver lode bears S. 20°-49'-30" E. 99.21 ft. dist.

318.50 N. W. E. C. monument of the location, identical with S. E. E. C. of said Baltic lode; a monument of stone 4 ft. base, 3.5 ft. high.

637.00 Cor. No. 4, identical with Cor. No. 2 Baltic lode, Cor. No. 3 Florence Adams lode and Cor. No. 2 North Queen lode, all of this survey, and agrees with N. E. Cor. of the location.

Set a standard 2 in. iron pipe 3 ft. long, with brass cap mkd. 4-Y.C.-4149, 2-B.-4149, 3-F.A.-4149, 2-N.Q.-4149, 18 ins. in the ground, and built a monument of stone alongside, for Cor. No. 4, Cor. No. 2 Baltic lode, Cor. No. 3 Florence Adams lode and Cor. No. 2 North Queen lode; from which

A point on west face of limestone bluff bears N. 86°-11' E. 32.31 ft. dist.; mkd. X B.R.-4 Y.C.-2 B.-3 F.A.-2 N.Q.-4149.

Thence S. 17°-08' E.

Along line 2-1 of said North Queen lode.

779.10 Cor. No. 5, identical with Cor. No. 1 of said North Queen lode.

On line 4-1, Sur. No. 2144 Blackfoot lode

Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 5-Y.C.-4149-1-N.Q.-4149, 16 ins. in the ground to bed rock, and built a monument of stone alongside for Cor. No. 5, and Cor. No. 1 of said North Queen lode; from which

The southeast corner of the location, previously described, bears S. 17°-08' E., 689.1 ft. dist.

The corner of sections 25, 26, 35 and 36, T. 1 S.,

Feet

R. 12 E., G. & S. R. M., previously described,
bears S. $14^{\circ}-07'-20''$ E. 683.35 ft. dist.

Cor. No. 4 Sur. No. 2144 Blackfoot lode bears N.
 $01^{\circ} 16'$ W. 521.35 ft. dist.

A point on limestone bed rock flush with the ground
bears N. $17^{\circ}-08'$ W. 15.36 ft. dist. mkd. X B.R.
-5 Y.C.-1 N.Q.-4149.

Thence S. $01^{\circ}-16'$ E.

Along line 4-1, Sur. No. 2144 Blackfoot lode

68.20 Cor. No. 6, identical with Cor. No. 1 Blackfoot lode and
Cor. No. 4 Silver Tip lode, both of Sur. No. 2144.

The cross and other marking for corner on limestone bed
rock made for this corner at the time of executing Sur.
No. 2144 being very dim and difficult to find, I drilled
a hole 6 ins. deep in the limestone bed rock at the
exact position of the cross into which I grouted a
steel bar 1 in. in diameter with sulphur. Over the
steel bar I set and grouted in place with sulphur and
surrounded with a monument of stone a standard 2 in.
iron pipe, 3 ft. long with brass cap mkd. 4-S.T.-2144
for Cor. No. 4 of said Silver Tip lode, 1-B.F.-2144
for Cor. No. 1 of said Blackfoot lode and 6-Y.C.-4149
for Cor. No. 6 of this claim; from which

There are no local bearing objects available.

Thence S. $01^{\circ}-07'-30''$ E.

Along line 4-1 of said Silver Tip lode.

594.18 Intersect line II-III Sur. No. 350 Irene lode S. $89^{\circ}-10'$
W. 12.0 ft. from Cor. II.

594.25 Cor. No. 1, and place of beginning.

FLORENCE ADAMS LODGE.

Beginning at Cor. No. 1 of the Florence Adams lode which
agrees with N. E. Cor. of the location, where I

Set a standard 2 in. iron pipe, 3 ft. long, with brass
cap mkd. 1-F.A.-4149, on bed rock, over a 1 in. steel
bar which is grouted in a drill hole with sulphur, and
surrounded it with monument of stone, for Cor. No. 1;
from which

The quarter corner between sections 25 and 26, T. 1
S., R. 12 E., G. & S. R. M., an iron post with
brass cap, 20 ins. above the ground, surrounded by
a monument of stone, properly marked, bears S. $45^{\circ}-$
 $50'-40''$ E. 658.38 ft. dist.

Cor. No. 4 Sur. No. 3482 Palace lode bears S. $01^{\circ}-$
 $58'$ E. 510.8 ft. dist.

A point on west face of limestone bluff bears N. $58^{\circ}-$
 $24'$ W. 4.30 ft. dist.

Thence S. $22^{\circ}-22'$ E.

249.22 Intersect line 3-4 Sur. No. 3482 Palace lode at a point
from which Cor. No. 4 bears S. $15^{\circ}-26'$ W. 290.5 ft.
dist., and the point of intersection of said line 3-4
Sur. No. 3482 Palace lode with line 1-2 Sur. No. 3482
Picket Post lode bears S. $15^{\circ}-26'$ W. 24.46 ft. dist.

270.63 Intersect line 1-2 Sur. No. 3482 Picket Post lode at a
point from which Cor. No. 1 bears S. $75^{\circ}-33'$ W. 427.18
ft. dist., and the point of intersection of said line
1-2 Sur. No. 3482 Picket Post lode with line 3-4 Sur.

Feet No. 3482 Palace lode bears S. 75°-33' W. 15.13 ft.

618.29 Intersect line 1-4 Sur. No. 3482 Palace lode at a point from which Cor. No. 4 bears N. 74°-17' W. 226.21 ft.

1499.50 Cor. No. 2 which is identical with Cor. No. 3, North Queen lode of this survey, and agrees with S. E. Cor. of the location.

Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 2-F.A.-4149- 3-N.Q.-4149, 18 ins. in the ground, and built a monument of stone alongside for Cor. No. 2 and Cor.No. 3 of the North Queen lode; from which

Cor. No. 4 Sur. No. 2144 Blackfoot lode bears S. 28°-56'-20" W. 619.0 ft. dist.

Cor. No. 1, Black Rock lode of this survey bears S. 06°-19' W. 112.3 ft.

A point on west face of limestone bluff bears N. 58°-24' E. 11.69 ft. dist. mkd. X B.R.-2 F.A.-3 N.Q.-4149.

Thence S. 58°-24' W.

Along line 3-2 of said North Queen lode.

303.80 S. E. E. C. monument of the location, identical with N. W. E. C. of said North Queen lode, a monument of stone 4 ft. base, 3.5 ft. high

607.60 Cor. No. 3, identical with Cor. No. 2 North Queen lode, Cor. No. 4, Yellow Coat lode and Cor. No. 2 Baltic lode, all of this survey, and agrees with S. W. Cor. of the location.

Thence N. 22°-22' W.

Along line 2-1 Baltic lode of this survey.

994.50 Center of gulch, 15 ft. wide, course S. 25° W.

1409.76 Intersect line 1-2 Sur. No. 3482 Watson lode at a point from which Cor. No. 2 of said Watson lode, which is identical with Cor. No. 1 Picket Post lode, also of Sur. No. 3482, bears N. 75°-33' E. 178.32 ft. dist.

1499.50 Cor. No. 4, identical with Cor. No. 1 Baltic lode of this survey and agrees with N. W. Cor. of the location.

Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 4-F.A.-4149- 1-B.-4149, 18 ins in the ground, and built a monument of stone alongside for Cor. No. 4, and Cor. No. 1 of said Baltic lode; from which

The quarter corner between sections 25 and 36, T. 1 S., R. 12 E., G. & S. R. M., bears S. 80°-52'-10" E. 986.05 ft. dist.; previously described.

Cor. No. 5 Sur. No. 3778 Black Prince lode bears N. 84°-33' W. 35.5 ft. dist.

Cor. No. 1 Sur. No. 3482 Watson lode bears S. 62°-44' W. 400.7 ft. dist.

Cor. No. 2 of the Watson lode which is identical with Cor. No. 1 of the Picket Post lode, both of Sur. No. 3482, bears S. 79°-27'-30" E. 210.38 ft. dist.

A point on limestone outcrop bears N. 80°-57' E.

Feet	7.98 ft. dist.; mkd. X B.R.-4 F.A.-4149- 1 B.-4149.
	Thence N. 58°-24' E.
198.00	Center of gulch, 12. ft. wide, course S. 10° E.
269.83	Intersect line 2-3 Watson lode and line 4-1 Picket Post lode, both of Sur. No. 3482, at a point from which Cor. No. 2 of said Watson lode, which is identical with Cor. No. 1 of said Picket Post lode, bears S. 07°-17' W. 181.34 ft. dist.
303.80	N. W. E. C. monument of the location; a monument of stone 4 ft. base, 3 ft. high.
607.60	Cor. No. 1, and place of beginning.
	NORTH QUEEN LODE.
	Beginning at Cor. No. 1 of the North Queen lode, which is identical with Cor. No. 5 of the Yellow Coat lode of this survey, and agrees with S. W. Cor. of the location.
	Thence N. 17°-08' W.
	Along line 5-4 of the Yellow Coat lode of this survey.
779.10	Cor. No. 2 which is identical with Cor. No. 4 Yellow Coat lode, Cor. No. 2 Baltic lode and Cor. No. 3 Florence Adams lode, all of this survey, and agrees with N. W. Cor. of the location.
	Thence N. 58°-24' E.
	Along line 3-2 of said Florence Adams lode.
303.80	N. W. E. C. monument of the location which is identical with S. E. E. C. of said Florence Adams lode.
607.60	Cor. No. 3 which is identical with Cor. No. 2 of the Florence Adams lode of this survey.
	Thence S. 03°-02'-30" E.
113.01	Intersect line 1-2 Black Rock lode of this survey.
537.55	Intersect line 3-4 Sur. No. 2144 Blackfoot lode at a point from which Cor. No. 4 bears S. 89°-08'-30" W. 328.08 ft. dist.
634.68	Intersect line 3-4 Black Rock lode this survey.
858.85	Cor. No. 4 which agrees with S. E. Cor. of the location.
	Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 4-N.Q.-4149, six inches below the surface, over a steel bar 1 in. in diameter grouted with sulphur in a drill hole in the limestone bed rock, and surrounded with a monument of stone, for Cor. No. 4; from which
	A point on top of limestone outcrop bears N. 47°-15' W. 5.39 ft.; mkd. X-B.R.-4 N.Q.-4149.
	Thence S. 58°-24' W.
87.85	S. E. E. C. monument of the location; a monument of stone 3.5 ft. base, 3.5 ft. high.
391.65	Cor. No. 1, and place of beginning.

Feet	BLACK ROCK LODGE.
	Beginning at Cor. No. 1 of the Black Rock lode which agrees with the N. W. Cor. of the location, where I Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 1-B.R.-4149, 18 ins. in the ground, and built a monument of stone alongside for Cor. No. 1, from which The quarter corner between sections 25 and 26, T. 1 S., R. 12 E., G. & S. R. M., bears N. 05°-42'-10" W. 1028.54 ft. dist.; previously described. A point on the west face of limestone bluff bears S. 86°-08' E. 16.41 ft. dist.; mkd. X E.R. 1-B.R.-4149. Thence S. 86°-08' E.
18.39	Intersect line 3-4, North Queen lode of this survey.
922.30	Intersect line 4-1 Sur. No. 3482 Tuna lode at a point from which Cor. No. 1 bears S. 11°-23' E. 56.85 ft. dist.
1136.38	Intersect line 1-2 Sur. No. 3482 Tuna lode at a point from which Cor. No. 1 bears S. 78°-28' W. 206.54 ft. dist..
1150.10	Cor. No. 2 which agrees with N. E. Cor. of the location. Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 2-B.R.-4149, 18 ins. in the ground, and built a monument of stone alongside for Cor. No. 2, from which Cor. No. 1 Sur. No. 3482 Tuna lode bears S. 79°-25' W. 219.8 ft. dist. A point on the west face of dacite bluff bears S. 57°-48' E. 17.30 ft. dist.; mkd. X B.R.-2 B.R.-4149. Thence S. 04°-02' W.
299.30	E. E. C. monument of the location, a monument of stone 4 ft. base, 3 ft. high.
332.14	Intersect line 3-4 Sur. No. 2144 Blackfoot lode at a point from which Cor. No. 3 bears N. 89°-08'-30" E. 66.96 ft. dist. and Cor. No. 4 bears S. 89°-08'-30" W. 1411.45 ft. dist.
599.10	Cor. No. 3 which agrees with S. E. Cor. of the location. Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 3-B.R.-4149, 22 ins. in the ground, and built a monument of stone alongside for Cor. No. 3, from which A point on top of the west end of a dacite boulder, 4 x 6 x 11 ft. out of the ground, bears N. 11°-28' E. 7.49 ft. dist.; mkd. X B.R.-3 B.R.-4149. Cor. No. 3, Sur. No. 2144, Blackfoot lode, bears N. 17° 47' E. 280.71 ft. Thence N. 81° 47' W.
1070.24	Intersect line 3-4 North Queen lode of this survey (at a point from which the intersection of said line 3-4 North Queen lode with line 3/4 Sur. No. 2144 Blackfoot lode bears N. 03°-02'-30" W. 97.13 ft. dist.)
1153.20	Cor. No. 4, which agrees with the S. W. Cor. of the location.

Feet Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 4-B.R.-4149, 10 ins. in the ground over a steel bar grouted in the limestone bed rock with sulphur, and built a monument of stone alongside for Cor. No. 4; from which

Cor. No. 4 Sur. No. 2144 Blackfoot lode bears N. 72°-17' W. 263.7 ft. dist.

A point on limestone out crop bears N. 84°-26' W. 14.58 ft. dist.; mkd. X B.R.-4 B.R.-4149.

Thence N. 04°-02' E.

84.30 Intersect line 3-4 Sur. No. 2144 Blackfoot lode at a point from which Cor. No. 4 bears S. 89°-08'-30" W. 257.15 ft. dist. and from which the point of intersection of said line 3-4 Sur. No. 2144 Blackfoot lode with line 3-4 North Queen lode of this survey bears N. 89°-08'-30" E. 70.93 ft. dist.

212.30 W. E. C. monument of the location; a monument of stone 3 ft. base, 3 ft. high.

511.60 Cor. No. 1, and place of beginning.

BALTIC LODE.

Beginning at Cor. No. 1 of the Baltic lode which is identical with Cor. No. 4 of the Florence Adams lode of this survey and agrees with N. E. Cor. of the location.

Thence S. 22°-22' E.

Along line 4-3 of said Florence Adams lode.

89.74 Intersect line 1-2 Sur. No. 3482 Watson lode at a point from which Cor. No. 1 bears S. 75°-33' W. 403.08 ft. dist. and the point of intersection of said line 1-2 Sur. No. 3482 Watson lode with line 5-6 Sur. No. 3778 Black Prince lode bears S. 75°-33' W. 106.05 ft. dist.

505.00 Bed of gulch, 15 ft. wide, course S. 25° W.

1499.50 Cor. No. 2 which is identical with Cor. No. 3 Florence Adams lode, Cor. No. 2 North Queen lode and Cor. No. 4 Yellow Coat lode, all of this survey, and agrees with S. E. Cor. of the location.

Thence S. 88°-51' W.

Along line 4-3 of said Yellow Coat lode.

318.50 S. E. E. C. monument of the location, identical with N. W. E. C. of said Yellow Coat lode.

636.53 Cor. No. 3 Sur. No. 2929 Silveride lode.

637.00 Cor. No. 3 which is identical with Cor. No. 3 of the Yellow Coat lode of this survey and agrees with S. W. Cor. of the location.

Thence N. 22°-22' W.

Along line 4-3 Sur. No. 3778 New East Horn Silver lode.

.0006 Intersect line 2-3 Sur. No. 2929 Silveride lode S. 88°-55' W. 0.47 ft. from Cor. No. 3.

237.00 Center of gulch, 15 ft. wide, course S. 20° W.

1186.18 Cor. No. 3 of said New East Horn Silver lode and inter-

- Feet sect line 6-1 Sur. No. 3778 Black Prince lode at a point from which Cor. No. 6 bears S. 85°-44' E. 384.9 ft. dist.
- 1499.50 Cor. No. 4 which agrees with N. W. Cor. of the location.
- Set a standard 2 in. iron pipe, 3 ft. long, with brass cap mkd. 4-B.-4149, 22 ins. in the ground and built a monument of stone alongside for Cor. No. 4; from which
- Cor. No. 1 Sur. No. 3778 New Tel uride lode bears N: 19°-32' W. 45.80 ft. dist.
- Cor. No. 4 Sur. No. 3482 Long Wedge lode bears N. 11°-19' W. 101.3 ft. dist.
- Cor. No. 6 Sur. No. 3778 Black Prince lode bears S. 57°-40' E. 595.35 ft. dist.
- A point on the north east face of quartzite out-crop bears S. 52°-15' W. 29.59 ft. dist.; mkd. X B.R.-4 B.-4149.
- Thence N. 88°-51' E.
- 302.73 Intersect line 4-1 Sur. No. 3482 Watson lode at a point from which Cor. No. 1 bears S. 07°-05' W. 178.22 ft. dist.
- 318.50 N. W. E. C. monument of the location; a monument of stone 4 ft. base, 3 ft. high.
- 600.44 Intersect line 5-6 Sur. No. 3778 Black Prince lode at a point from which Cor. No. 6 bears S. 16°-24' W. 344.45 ft. dist. and the point of intersection of said line 5-6 Sur. No. 3778 Black Prince lode with line 1-2 Sur. No. 3482 Watson lode bears S. 16°-24' W. 113.33 ft. dist.
- 637.00 Cor. No. 1, and place of beginning.

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LODE LINES.

The presumed course of the veins of each of the several locations embraced in this survey, counted from the respective points of discovery, is as follows:

Yellow Coat lode, N. 20°-50'-30" W. 892.7 ft.; and S. 20°-50'-30" E. 606.5 ft.

Florence Adams lode, N. 22°-22' W. 1337.0 ft.; and S. 22°-22' E. 162.5 ft.

North Queen lode, N. 17°-08' W. 96.1 ft.; and S. 17°-08' E. 683.0 ft.

Black Rock lode, N. 86°-08' W. 611.0 ft.; and S. 86°-08' E. 539.1 ft.

Baltic lode, N. 22°-22' W. 1009.5 ft. and S. 22°-22' E. 490.0 ft.

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AREAS

Total Area, Yellow Coat lode,	Acres. 17.563 ✓
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Area in conflict with---

Sur. No. 350 Irene lode,	.008 ✓
Sur. No. 2929 Silveride lode,	.008 ✓
Sur. No. 2929 Silveride lode, exclusive of its nominal common conflict with Sur. No. 350 Irene lode and this claim,	.008 ✓
Sur. No. 3778 New East Horn Silver lode,	.003 ✓
Sur. No. 3778 New East Horn Silver lode; ex- clusive of its common conflict with Sur. No. 2929 Silveride lode and this claim	.002 ✓

Total Area, Florence Adams lode,	20.645 ✓
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Area in conflict with---

Sur. No: 3482 Watson lode,	0.619 ✓
Sur. No. 3482 Picket Post lode,	1.862 ✓
Sur. No. 3482 Palace lode,	0.754 ✓
Sur. No. 3482 Palace lode, exclusive of its common conflict with the Picket Post lode, also of Sur. No. 3482, and this claim,	0.750 ✓

Total Area, North Queen lode,	8.653 ✓
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Area in conflict with---

Sur. No. 2144 Blackfoot lode,	3.232 ✓
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Total Area, Black Rock lode,	14.663 ✓
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Area in conflict with---

Sur. No: 2144 Blackfoot lode,	4.637 ✓
North Queen lode of this survey,	0.595 ✓
North Queen lode of this survey; exclusive of its common conflict with Sur. No. 2144 Blackfoot lode and this claim,	0.436 ✓
Sur. No: 3482 Tuna lode,	0.135 ✓

Total Area, Baltic lode,	20.442 ✓
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Area in conflict with---

Sur. No. 2929, Silveride lode, (nominal),	0.000+ ✓
Sur. No. 3778 Black Prince lode,	.3.501 ✓
Sur. No. 3778-Black Prince lode, exclusive of its common conflict with Sur. No. 3482 Watson lode and this claim,	2.567 ✓
Sur. No. 3482 Watson lode,	1.088 ✓

LOCATION.

This survey is located in the S. W. 1/4 sec. 25, N. E. 1/4 sec. 35, S. E. 1/4 sec. 26 and the N. E. 1/4 sec. 26, T. 1 S., R. 12 E., G. & S. R. M., Pinal County, Arizona.

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ADJOINING AND CONFLICTING CLAIMS.

The Black Prince lode of Sur. No. 3778 owned by the Sam Thorpe Mining Company, the Watson, Picket Post, Palace and Tuna lodes of Sur. No. 3482, and the Wedge, and New Year lodes unsurveyed owned by the Magma Chief Copper Company adjoin and conflict on the north and east. The Black Rock No. 1 lode unsurveyed, the Blackfoot and Silver Tip lodes of Sur. No. 2144, the Irene lode Sur. No. 350 and the Silveride lode Sur. No. 2929, owned by the claimant, adjoin and conflict on the east, south and west. The New East Horn Silver lode of Sur. No. 3778 owned by the Sam Thorpe Mining Company adjoins and conflicts on the west.

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EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of labor and improvements made upon or for the benefit of each of the lode locations embraced in this survey by the claimant or its grantors is not less than \$500.00, and that said improvements consist of:

Yellow Coat.

No. 1 The discovery tunnel of the Yellow Coat lode, 5 x 6.5 ft., which is intersected by the lode line at the discovery point 606.5 ft. from the S. E. E. C. and which runs thence N. 77°-59' E. 131.0 ft.; thence N. 78°-22' E. 320.0 ft. to breast; and, from the point of discovery, S. 77°-59' W. 72.5 ft.; thence S. 89°-42' W. 55.7 ft.; thence S. 64°-46' W. 25.1 ft.; thence S. 46°-47' W. 22.8 ft. to portal; and, from a point S. 78°-22' W. 70.0 ft. from breast, a lateral runs north 20.0 ft. to breast; total length of tunnel 647.1 ft. Value \$10,000.00.

No. 2 A cut 8 ft. wide, 13 ft. face and tunnel 7 x 7 ft., the center of the face, ^{of cut} and portal of tunnel bears S. 75°-13' E. 205.7 ft. from the N. W. E. C. of the Yellow Coat lode, and which runs from center of toe of cut S. 84° E. 17 ft. to portal ^{of tunnel} thence S. 79°-20' E. 210.0 ft. to breast of tunnel. Value, \$4000.00.

This tunnel has been made by the claimant and its grantors as a common improvement for the benefit of the five claims of the survey. The surface of the claims rises rapidly toward the north and east of the portal and the extension of the tunnel in its present course, with the necessary laterals, affords a practical and economical means of developing all of the claims of the survey at depth. The value of the improvement is, therefore, distributed equally to the five claims in the survey, \$800.00 being credited to each.

No. 3 A cut 5 ft. wide, 7 ft. face, the center of the toe of which bears S. 08°-46' W. 81.8 ft. from Cor. No. 4 of the Yellow Coat lode and runs thence N. 76° E. 14 ft. to breast; from which the tunnel, 3 x 5 ft. runs N. 76° E. 10 ft. to breast. Value of cut and tunnel, \$100.00.

Florence Adams

- No. 1 The discovery cut of the Florence Adams lode, .4 ft. wide, 10 ft. face and 25 ft. long, which is intersected by the lode line 162.5 ft. from the S. E. E. C., and which runs thence N. 29° W. 7 ft. to face and S. 29° E. 18 ft. to toe. Value, \$50.00.
- No. 2 A cut, 5 ft. wide, 10 ft. face and 19 ft. long, the center of the toe of which bears N. 24°-22' W. 153.0 ft. from the S. E. E. C. of the Florence Adams lode and which runs thence N. 60° W. to face. Value, \$45.00
- No. 3 A cut, 14 ft. wide, 6 ft. face, 8 ft. deep, the center of the toe of which bears S. 36°-19' E. 514.5 ft. from the N. W. E. C. of the Florence Adams lode and which runs thence east to face. Value, \$75.00.
- No. 4 A cut of irregular shape, averaging 13 ft. wide, 14 ft. long, with a 13 ft. face, the center of the toe of which bears S. 47°-12' E. 375.5 ft. from which the N. W. E. C. of the Florence Adams lode, and which runs thence N. 75° E. to face. Value, \$150.00.
- No. 5 A cut, 8 ft. wide, 10 ft. face, 15 ft. long, the center of the toe of which bears S. 51°-00' E. 343.8 ft. from the N. W. E. C. of the Florence Adams lode, and which runs thence N. 75° E. to face. Value, \$100.00.
- No. 6 An incline shaft, 4.5 x 5 ft., 55 ft. deep, dip 25° S. 75° E., the center of the west side of which bears S. 58°-18' E. 305.9 ft. from the N. W. E. C. of the Florence Adams lode. Value, \$700.00.
- No. 7 A cut, 7 ft. wide, 8 ft. face, 15 ft. long, the center of the toe of which bears N. 15°-00' W. 108.0 ft. from Cor. No. 3 of the Florence Adams lode, and which runs thence N. 20° E. to face. Value, \$40.00.

North Queen

- No. 1 The discovery cut of the North Queen lode, 6 ft. wide, 11 ft. face, 17 ft. long, which is intersected by the lode line 96.1 ft. from the N. W. E. C., and which runs thence S. 80° E. 14 ft. to face and N. 80° W. 3 ft. to toe. Value, \$40.00.
- No. 2 A cut, 10 ft. wide, 10 ft. face, 17 ft. long and tunnel, 3.5 ft. x 6 ft. The center of the toe of the cut bears S. 56°-19' W. 213.3 ft. from a point on the lode line of the North Queen lode 120.0 ft. from the N. W. E. C. of the North Queen lode, and runs thence N. 85° E. 17.0 ft. to face of cut and portal of tunnel; thence S. 30° E. 21 ft. to Pt. 1; thence N. 80° E. 9 ft. to breast; and, from Pt. 1, S. 10° W. 9 ft. to breast. Value of cut and tunnel, \$400.00.
- No. 3 A cut, 6 ft. wide, 10 ft. face, 10 ft. long, tunnel 4 x 5.5 ft., 13 ft. long and incline shaft, 4 x 5.5 ft., 27.5 ft. deep. The toe of cut bears S. 21°-46' W. 126.4 ft. from a point on the lode line of the North Queen lode 120.0 ft. from the N. W. E. C. and runs thence S. 30° E. 10.0 ft. to face of cut and portal of tunnel; thence south 13.0 ft. to breast of tunnel. The west side of collar of the incline shaft which dips 30° S. 89° E. is located along the northeast side of the cut at a distance of 2 ft. from the portal of the tunnel. Value of cut, tunnel and shaft, \$400.00.

Black Rock.

- No. 1 The discovery shaft of the Black Rock lode, 5 x 6 x 45 ft. deep, the center of the north side of which is on the lode line 539.1 ft. from the E. E. C. Value, \$450.00.

No. 2 A cut, 6 ft. wide, 8 ft. face, 23 ft. long, the center of the toe of which bears N. 34°-00' W. 83.8 ft. from a point on the lode line of the Black Rock lode 551.1 ft. from the E. E. C., and which runs thence N. 30° E. to face. Value, \$40.00.

No. 3 A cut, 6 ft. wide, 9 ft. face, 13 ft. long, the center of the toe of which bears S. 62°-27' W. 92.6 ft. from a point on the lode line of the Black Rock lode 551.1 ft. from the E. E. C. and which runs thence N. 75° E. to face. Value, \$30.00.

No. 4 A cut, 13 ft. wide, 10 ft. face, 23 ft. long, the center of the toe of which bears S. 87°-05' E. 80.0 ft. from a point on the lode line of the Black Rock lode 95.2 ft. from the W. E. C. and which runs thence N. 85° W. to face. Value, \$125.00.

No. 5 A shaft, 8 x 8 ft., 6 ft. deep (caved) the southeast corner of which bears N. 18°-22' E. 18.0 ft. from a point on the lode line of the Black Rock lode 95.2 ft. from the W. E. C. Value, \$45.00.

Baltic.

No. 1 The discovery of the Baltic lode, a cut 6 ft. wide, 10 ft. face and tunnel, 3.5 x 6 ft., the cut being intersected by the lode line at the point of discovery 490.0 ft. from the S. E. C. and runs thence N. 63°-08' W. 8.0 ft. to toe and S. 63°-08' E. 2.0 ft. to face of cut and portal of tunnel; thence S. 63°-08' E. 21.5 ft. to breast of tunnel. Value of cut and tunnel; \$200.00.

No. 2 A cut, 5 ft. wide, 12 ft. face, 12 ft. long and tunnel, 5 x 6.5 ft., the center of the face and portal of which bears N. 16°-20' W. 308.6 ft. from Cor. No. 3 of the Baltic lode, and which runs from the center of the toe of the cut N. 05° E. 12.0 ft. to face and portal; thence N. 08° W. 49.0 ft. to breast of tunnel. Value of cut and tunnel, \$500.00.

OTHER CORNER DESCRIPTIONS.

Sur. No. 342-Hub lode and Sur. No. 350 Irene lode: Cor. V of the Hub lode, which is identical with Cor. II of the Irene lode, is a standard two inch iron pipe with brass cap properly marked and firmly set; Cor. III of the Irene lode is not in, but I located its position from the record tie to the witness corner set for it. I find the bearing of line II-III of the Irene lode to be S. 89°-10' W. instead of S. 89°-15' W. as approved.

Sur. No. 2144 Blackfoot and Silver Tip lodes: Cor. No. 1 of the Silver Tip lode and Cor. No. 4 of the Blackfoot lode are limestones firmly set and properly marked. Cor. No. 4 of the Silver Tip lode, which is identical with Cor. No. 1 of the Blackfoot lode I found to be a cross on limestone bed rock, with the proper markings; but I reestablished this corner as reported herein. Cor. No. 3 of the Blackfoot lode is a cross on dacite bluff with the proper markings alongside, and a 4 x 4 post set over it. I find line 4-1 of said Silver Tip lode to be S. 01°-07'-30" E. 594.25 ft. instead of S. 0°-20' E. 600.0 ft., as approved; line 4-1 of said Blackfoot lode is S. 01°-16' E. 589.55 ft., instead of S. 0°-20' E. 600.0 ft. as approved; and line 3-4 of said Blackfoot lode is S. 89°-08'30" W. 1478.41 ft., instead of S. 89°-40' W. 1500.0 ft., as approved.

Sur. No. 2929, Silveride lode; Cor. 2 is a X on a ledge, by the side of which is chiseled S-2-2929. Cors. 3 and 4 are 4 x 4 pine posts firmly set and properly marked. I find the bearing of line 2-3 to be S. 88°-55' W. instead of S. 88°-51' W.; as approved; and I find line 3-4 to be S. 20°-49'-30" E. 1498.66 ft. instead of S. 20°-52' E. 1500.0 ft., as approved.

Sur. No. 3482, Long Wedge, Watson, Picket Post, Palace and Tuna lodes: Cor. No. 4 of the Long Wedge lode, Cors. 1, 2 and 3 of the Watson lode, Cors. 1, 2 and 4 of the Picket Post lode, Cors. 1, 2 and 3 of the Palace lode, and Cors. 1 and 4 and the witness Cor. for Cor. No. 2 of the Tuna lode are all 4 x 4" pine posts; properly marked and set in monuments of stone, but none of these posts appear to have been set below the surface of the ground; Cor. No. 4 of the Watson lode is not in, but I used the center of the stone monument I found for this corner to determine the bearing of line 4-1. I find the bearing of line 4-1 of the Watson lode to be S. 07°-05' W. instead of S. 06°-48' W.; as approved; line 1-2 of the Watson lode is N. 75°-33' E. 581.40 ft. instead of N. 75°-15' E. 581.76 ft.; as approved; the bearing of line 2-3 of the Watson lode; which is identical with line 4-1 of the Picket Post lode is N. 07°-17' E. instead of N. 06°-48' E.; as approved; and I find the bearing of line 1-2 of the Picket Post lode to be N. 75°-33' E. instead of N. 75°-15' E.; as approved. I find the bearing of line 1-4 of the Palace lode to be N. 74°-17' W. instead of N. 74°-50' W.; as approved; and the bearing of line 3-4 of said Palace lode is N. 15°-26' E. instead of N. 15°-10' E.; as approved. I find the bearing of line 1-2 of the Tuna lode to be N. 78°-28' E. as approved; and the bearing of line 4-1 of the Tuna lode is S. 11°-23' E. instead of S. 11°-28' E.; as approved.

Sur. No. 3778, New East Horn Silver, Black Prince and New Telluride lodes: Cors. 3, 4 and 1 of the New East Horn Silver lode, Cors. 5, 6 and 1 of the Black Prince lode and Cor. 1 of the New Telluride lode are all 4 x 4 posts firmly set and properly marked. I find the bearing of line 4-1 of the New East Horn Silver lode to be N. 85°-42' W. instead of N. 85°-45'-30" W.; as approved; line 3-4 of the New East Horn Silver lode is S. 22°-22' E. 1286.64 ft. instead of S. 22°-23' E. 1287.71 ft.; as approved. Line 5-6 of the Black Prince lode is S. 16°-24' W. 348.73 ft. instead of S. 16°-23'-30" W. 348.74 ft.; as approved.

There is no material disagreement between the lines of the several claims as reported herein and the corresponding lines as described in the location notices, except in the case of the south side line of the Black Rock lode. I find this line to be N. 81°-47' W. 1153.2 ft. instead of N. 75°-17' W. 11170.0 ft.

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Edwin T. Stewart

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of _____

MAGMA COPPER COMPANY

known as the Yellow Coat, Florence Adams, North Queen, Black Rock and Baltic lodes and showing the respective capacities in which they acted.

- C.A. Pennington, *Chainman.*
-, *Chainman.*
-, *Acman.*
-, *Flagman.*

FINAL OATHS OF ASSISTANTS

We, _____

and I, C.A. Pennington, do solemnly swear that ^I ~~we~~ assisted _____

Edwin T. Stewart, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Magma Copper Company

known as the Yellow Coat, Florence Adams, North Queen, Black Rock and Baltic lodes,

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona,

- C.A. Pennington, *Chainman.*
-, *Chainman.*
-, *Acman.*
-, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 30th day of October, 19 31.

My commission expires November 11, 1932.

M. L. Harrison

Notary Public, Gila County, Arizona.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Edwin T. Stewart, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated September 9, 1931, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of Magma Copper Company, known as the Yellow Coat, Florence Adams, North Queen, Black Rock and Baltic lodes, situate in Pioneer Mining District, Pinal County, Arizona, in Section s 25, 26, 35, Township No. 1 S., Range No. 12 E., G. & S. R. M., and designated as Survey No. 4149, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Edwin T. Stewart
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edwin T. Stewart
U. S. Mineral Surveyor, before me M. L. Harrison, a notary public,
this 30th
day of October, 1931.

My commission expires
November 11, 1932.

M. L. Harrison

Notary Public, Gila
County, Arizona.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

December 17, 1931

I, Office Cadastral Engineer, at Phoenix, Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Magma Copper Company

known as the YELLOW COAT, FLORENCE ADAMS, NORTH QUEEN, BLACK ROCK, and
situate in BALTIC lodes Pioneer

Mining District Pinal County Arizona

in Sections 25, 26, 35, Township No. 1 S., Range No. 12 E., and

designated as Survey No. 4149, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant
or its grantors,
and that said improvements consist of 16 cuts, 7 tunnels, and 4 shafts,
total value \$17,490.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,
Arizona, is correct and in conformity with the foregoing Field Notes.

John D. Adams

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

December 17, 19 31

I, Office Cadastral Engineer at Phoenix, Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of _____

Magma Copper Company

_____, known as the
YELLOW COAT, FLORENCE ADAMS, NORTH QUEEN, BLACK ROCK, and BALTIC lodes
situate in _____ Pioneer _____ mining district,

_____ Pinal County, _____ Arizona

in Section s 25, 26, 35, Township No. _____ 1 S., Range No. 12 E.

_____, designated as Survey No. _____ 4149

executed by _____ Edwin T. Stewart _____, U. S. Mineral

Surveyor, _____ September 9 - 20 _____, 1931, under my instructions dated

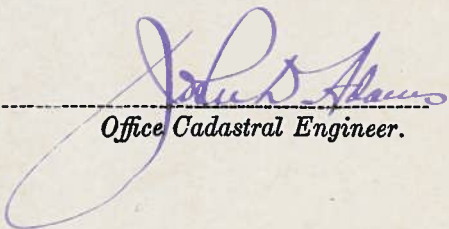
_____ September 9 _____, 1931, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.



Office Cadastral Engineer.