

MINERAL SURVEY No. 4083

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Edmond B. Bronson

KNOWN AS THE

Henry, Bismark No. 1, Bismark No. 2, Bismark No. 3,
Iron King, Iron King No. 1, and Orion lodes.

Eureka Mining District,

Yavapai County, Arizona

Sections 30 + 31, Township 15 N., Range 9 W

Surveyed under instructions dated Dec. 13, 1928.

by Richard L. Merritt

U. S. Mineral Surveyor.

Claim located See location Notices, 19

Survey commenced Dec. 16, 1928.

Survey completed Dec. 31, 1928.

Address of claimant's Atty.s: Cornick & Crable, Box 653,
Prescott, Ariz.

DATES OF AMENDED LOCATIONS.

See location Notices

MINERAL SURVEY NO. 4083
HENRY LODGE

FEET

Beginning at Cor. No. 1 identical ^{with} the loca^{tion}, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X H-1-4083; the common cor. to secs. 29, 30, 31 & 32, T. 15 N. R. 9 W. brs. N. 43°08'20"E 723.18 ft. A malpais rock in place 2 ft. x 2 ft. x 2 ft. above ground chiseled X B. R. H-1-4083 brs. S 18°26'E. 16.3 ft. A malpais rock in place 2' x 3' x 2' above ground chiseled X B. R. H-1-4083 brs. S 69°20'W. 18.0' Loc. cor. a mound of stones 3 x 3 ft.

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Thence S 83° 34' W. Va. 14°E.

300.00 To the S. C. E. a mound of stones 3' x 3' iden^{tical} with the location.

600.00 To cor. No. 2 iden^{tical} with the loca^{tion}, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap marked X H-2-4083. A malpais rock 4 1/2' x 3' x 1 1/2' above ground chiseled X B. R. H-2-4083, brs. N. 19°32'E. 9.6 ft. A malpais rock 3' x 2' x 1' above ground chiseled X B. R. H-2-4083 brs. N. 57°03'E. 20.51 ft. Loc. cor. a mound of stones 3' x 3'.

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Thence N. 6°26'W. Va. 14°E.

491.92 To cor. No. 4 Bismark No. 2 lode of this lode survey, hereinafter described

~~599.38 Intersect section line bet. secs. 30 & 31 T. 15 N. R. 9 W. at N. 89°58'W. 1482.13 to the 1/4 cor.~~

1500.00 To cor. No. 3, iden^{tical} with the loca^{tion}, and with cor. No. 3, Bismark No. 1 lode of this survey, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X H-3, B. N°1-3-4083. A granite rock in place 4' x 4' x 2' above ground chiseled X B. R. H-3, B. N° 1-3-4083 brs. S 84°30'E. 39.82'. A granite rock in place 3' x 3' x 1' above ground chiseled X B. R. H-3, BN°1-3-4083 brs. S 64°45'W. 19.8'. Loc. cor. a mound of stones 3' x 3'.

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FEET

Thence N. $83^{\circ}34'E$. Va. $14^{\circ}E$.

300.00 To the N. C. E. iden.^{tical} with the loc^{ation} and with the S. C. E. Bismark No. 1 lode of this survey, a mound of stones 3' x 3'.

409.54 Intersect west side line of Graham lode unsurveyed at S. $26^{\circ}47'45"E$. 521.8ft from the N. W. Cor.

600.00 To cor. No. 4 iden.^{tical} with the loc^{ation} and with cor. No. 2 Bismark No. 1 lode of this survey. A $3/4"$ galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X H-4-; BN^o1-2-4083. A granite stone in place 2' x 1' x 1' above ground chiseled X B. R. H-4-BN^o1-2-4083 brs. N. $16^{\circ}31'W$. 19.2 ft. A granite stone in place 2' x 2' x 1' above ground chiseled X B. R. H-4, BN^o1-2-4083 brs. S. $54^{\circ}58'E$. 16.6 ft. The N. W. Cor. of Graham lode unsurveyed brs. N. $43^{\circ}41'10"W$. 614.58'. Loc. cor. a mound of stones 3' x 3'.

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Thence S $6^{\circ}26'E$. Va. $14^{\circ}E$.

513.16 Intersect west side line of Graham lode unsurveyed at S. $26^{\circ}47'45"E$. 1069.16ft from the N. W. Cor.

~~832.61 Intersect section line bet. secs. 30 & 31, T. 15 N. R. 9 W. at N. $89^{\circ}58'W$. 2085.96' to the 1/4 cor. →~~

1500.00 To cor. No. 1, the place of beginning.

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BISMARK NO. 1 LODE

Beginning at cor. No. 1, iden.^{tical} with the loc^{ation}, a $3/4"$ galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X BN^o1-1-4083. The 1/4 cor. betweⁿ secs. 29 & 30 T. 15 N. R. 9 W. brs. N. $77^{\circ}18'20"E$. 849.09'. A malpais rock 5' x 4' x 2' above ground chiseled X B. R. BN^o1-1-4083 brs. N. $87^{\circ}37'E$. 12.42'. A malpais rock 2' x 2' x 1' above ground chiseled X B. R. BN^o1-1-4083 brs. S $14^{\circ}53'E$. 4.95 ft. Loc. cor. a mound of stones 3 x 3 ft.

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Thence S $6^{\circ}26'E$. Va. $14^{\circ}E$.

875.04 Intersect north end line of Graham lode unsurveyed at N. $63^{\circ}31'E$. 396.03^{ft.} from the N. W. Cor.

1050.00 Center of Copper Creek 240 ft. wide course N. $66^{\circ}00'W$.

1500.00 To cor. No. 2 ^{tical}iden. with the loc^{ation}, and with cor. No. 4 Henry lode of this survey hereinbefore described.

Thence S. $83^{\circ}34'W$. Va. $14^{\circ}E$.

190.46 Intersect west side line of Graham lode unsurveyed at S. $26^{\circ}47'45''E$. 521.80^{ft.} from the N. W. cor.

300.00 To the S. C. E. ^{tical}iden. with the loc^{ation}, and with the N. C. E. Henry lode of this survey hereinbefore described.

600.00 To cor. No. 3 ^{tical}iden. with the loc^{ation}, and with cor. No. 3 Henry lode of this survey hereinbefore described.

Thence N. $6^{\circ}26'W$. Va. $14^{\circ}E$.

491.92 To cor. No. 3 Bismark No. 2, ^{lode}iden. with cor. No. 2 Bismark No. 3 ^{both}lodes of this survey, hereinafter described.

837.70 To the E. C. E. Bismark No. 3 lode of this survey hereinafter described.

873.48 Center of Copper Creek 150 ft. wide course N. $69^{\circ}W$.

1183.48 To cor. No. 1 Bismark No. 3 lode of this survey hereinafter described.

1500.00 To cor. No. 4, ^{tical}iden. with the loc^{ation}, a $3/4''$ galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap marked X BN^o1-4-4083. A malpais rock in place 5' x 4' x 3' above ground chiseled X B. R. BN^o1-4-4083 brs. S. $34^{\circ}41'W$. 8.34^{ft.} A malpais rock in place 5' x 3' x 2' above ground chiseled X B. R. BN^o1-4-4083 brs. S. $87^{\circ}22'E$. 9.80'. *Loc. Cor a mound of stones 3'x3'*

Thence N. $83^{\circ}34'E$. Va. $14^{\circ}E$.

300.00 To the N. C. E. a mound of stones 3 x 3 ft. ^{tical}iden. with the loc^{ation}.

600.00 To cor. No. 1, the place of beginning.

(4)

BISMARCK NO. 3 LODE

Beginning at cor. No. 1 iden.^{tical} with the loc.^{ation,} a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap marked X BN°3-1-4083. The 1/4 cor. bet.^{ween} secs. 29 & 30 T. 15 N. R. 9 W. brs. N. 67°44'50"E. 1500.85 ft. A malpais rock in place 4' x 3' x 1' above ground chiseled X B. R. BN°3-1-4083 brs. S. 93°06'W. 50.00'.

A malpais rock in place 4' x 2' x 2' ft. above ground chiseled X B. R. BN°3-1-4083 brs. N. 50°44'W. 12.4 ft. Loc. cor. a mound of stones 3' x 3'.

Thence S. 6°26'E. Va. 14°E.

310.00 To center of Copper Creek 150 ft. wide course N. 69°00'W.

345.78 To the E. C. E. iden.^{tical} with the loc.^{ation,} a mound of stones 3 x 3 ft.

691.56 To cor. No. 2 iden.^{tical} with the loc.^{ation,} and with cor. No. 3 Bismark No. 2 lode of this survey a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap marked X B. No. 3-2, B. No. 2-3-4083. A granite rock in place 3' x 2' x 2' above ground, chiseled X B. R. B. No. 2-3- B. No.-3-2-4083 brs. S. 28° 12'E. 57.5 ft. *A Granite* rock in place 2' x 2' x 1' above ground chiseled X B. R. B. No. 3-2; B No. 2-3-4083 brs. S 60°56'E. 41.87'. Loc. cor. a mound of stones 3' x 3'.

Thence N. 66°36'^{30'}W. Va. 14°E.

345.78 To N. C. E. Bismark No. 2 lode of this survey hereinafter described.

691.56 To cor. No. 2 Bismark No. 2 ^{lode,} iden.^{tical} with cor. No. 3 Iron King ^{both} lode^s of this survey, hereinafter described.

1037.34 To N. C. E. Iron King lode of this survey hereinafter described.

1383.12 To cor. No. 2 Iron King, ^{lode} iden.^{tical} with cor. No. 4 Iron

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King No. 1 lode^{both} of this survey hereinafter described.
 1500.00 To cor. No. 3 iden.^{tical} with the loc.^{ation} and with cor. No. 1 Orion lode of this survey, a 3/4" galvanized iron pipe, 3 ft. long set 18" in the ground, with a brass cap marked X BNo. 3-3-0-1-4083. A malpais rock in place 3' x 2' x 1' above ground chiseled X B. R. B. No. 3-3,-0-1-4083 brs. N. 35°53'W. 7.3'; a malpais rock in place 2 x 1 x 1' above ground chiseled X B. R. B. No. 3-3,0-1,4083 brs. N. 63°58'E. 18.2'. Loc. cor. a mound of stones 3' x 3'.

Thence N. 6° 26' W. Va. 14° E.

275.00 To the center of Copper Creek 50' wide, course N. 68° 00'W.

318.88 To the E. C. E. Orion lode of this survey hereinafter described.

345.78 To the W. C. E. iden.^{tical} with the loc.^{ation}, a mound of stones 3' x 3'.

637.76 To cor. No. 4 Orion lode of this survey hereinafter described.

691.56 To cor. No. 4 iden.^{tical} with the location, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap chiseled X B. No.3-4-4083. A malpais rock in place 2' x 1' x 2' above ground chiseled X B. R. B. No. 3-4-4083 brs. N. 54°36'W. 28.15 ft. A malpais 1' x 1' x 1/2' above ground, chiseled X. B. R. B. No.-3-4-4083 brs. S. 54°47'E. 15.1 ft. Loc. cor. a mound of stones 3 x 3 ft.

Thence S. 66°36'30"E. Va. 14°E.

1500.00 To cor. No. 1 the place of beginning.

ORION LODGE

Beginning at cor. No. 1 iden.^{tical} with the loc.^{ation}, and cor. No. 3 Bismark No. 3 lode of this survey, hereinbefore described. The 1/4 cor. bet.^{ween} secs. 30 & 31, T. 15 N. R. 9 W. brs. S 1°27'55" E. 1979.07 ft.

(6)

Thence N. $76^{\circ}37'W$. Va. $14^{\circ}E$.

529.94 Intersect line 2-3 Iron King No. 1 lode of this survey at S. $6^{\circ}26'E$. 106.16 ft. from cor. No. 3.

1500.00 To cor. No. 2, iden.^{tical} with the loc.^{ation}, a $3/4$ " galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X 0-2-4083. A malpais rock in place 1' x 2' x 3' above ground chiseled X B. R. 0-2-4083 brs. No. $84^{\circ}50'E$. 55.0'; a malpais rock in place 2 x 2' flush with ground, chiseled X B. R. -0-2-4083 brs. N. $57^{\circ}44'E$. 60.4'; Loc. cor. a mound of stones 3 x 3 ft.

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Thence N. $6^{\circ}26'W$. Va. $14^{\circ}E$.

318.88 To the W. C. E. iden.^{tical} with the loc.^{ation}, a mound of stones 3 x 3 ft.

390.00 To center of Copper Creek 200 ft. wide course S. $86^{\circ}W$.

637.76 To cor. No. 3 iden.^{tical} with the loc.^{ation}, a $3/4$ " galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap marked X 0-3-4083; a granite boulder chiseled X B. R.-0-3-4083 brs. N. $88^{\circ}45'W$. 18.12 ft. A granite boulder chiseled X. B. R.-0-3-4083 brs. N. $73^{\circ}04'E$. 4.5' Loc. cor. a mound of stones 3 x 3 ft.

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Thence S. $76^{\circ}37'E$. Va. $14^{\circ}E$.

1500.00 To cor. No. 4 iden.^{tical} with the loc.^{ation}, a $3/4$ " galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap chiseled X 0-4-4083; a malpais rock in place 4' x 2' x 1' above ground chiseled X B. R.-0-4-4083 brs. S. $40^{\circ}45'E$. 10.6'. A malpais rock in place 5 x 5 x 3' above ground chiseled X B. R. -0-4-4083 brs. N. $84^{\circ}36'E$. 17.5'. Loc. cor. a mound of stones 3 x 3 ft.

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Thence S. $6^{\circ}26'E$. Va. $14^{\circ}E$.

291.98 To the W. C. E. Bismark No. 3 lode of this survey hereinbefore described.

318.88 To the E. C. E. iden.^{tical} with the loc.^{ation}, a mound of stones 3 x 3 ft.

(7)

362.76 To the center of Copper Creek, 50' wide course N.68°00'W.
637.76 To cor. No. 1 the place of beginning.

IRON KING No. 1 LODE

Beginning at cor. No. 1 iden.^{tical} with the loc^{ation}, and with cor. No. 1 Iron King lode of this survey, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked I. K. No. 1-1, IK-1-4083. The 1/4 cor. between sec. 30 & 31 T. 15 N. R. 9 W. brs. S. 26°58'40"W. 495.38'. A basalt rock in place 4' x 3' x 2' above ground chiseled X B. R. I. K.-1, I. K. No. 1-1-4083 brs. N. 56°30'W. 4.87 ft. A basalt rock in place 4' x 3' x 2' above ground chiseled X B. R. I. K.-1, I. K. No. 1-1-4083 brs. N. 32°18'E. 15.55^{ft}. Loc. cor. a mound of stones 3 x 3'.

Thence N. 66°36'30"W. Va. 14°E.

345.78 To the S. C. E. iden.^{tical} with the Loc^{ation}, a mound of stones 3' x 3'.

691.56 To cor. No. 2 iden.^{tical} with the loc^{ation}, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X I. K. No. 1-2-4083. A basalt rock in place 3' x 1 1/2' x 1 1/2' above ground chiseled X. B. R. I. K. No. 1-2-4083 brs. S. 72°W. 14.0'. A basalt rock in place 1x1 1/2x2 ft. above ground chiseled X B. R. I. K. No. 1-2-4083 brs. S. 25°05'E. 25.7'. Loc. cor. a mound of stones 3' x 3'.

Thence N. 6°26'W. Va. 14°E.

1393.84 Intersect line 1-2 Orion lode of this survey at N. 76°37'W. 529.94' from cor. No. 1.

1500.00 To cor. No. 3 iden.^{tical} with the loc^{ation}, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X I. K. No. 1-3-4083. Malpais rock in place 3' x 2' x 1/2' above ground chiseled X B. R. I. K. No. 1-3-4083 brs. S. 65°39'W. 12.43'. Malpais rock in place 2' x 3' x 1' above ground chiseled X B. R. I. K.

Feet

No. 1-3-4083 brs. S. $9^{\circ}47'E$. 3.2 ft. Loc. cor. a mound of stones 3 x 3 ft.

Thence S. $66^{\circ}36'30"E$. Va. $14^{\circ}E$.

345.78 To the N. C. E. iden.^{tical} with the loc^{ation}, a mound of stones 3 x 3 ft.

574.68 To cor. No. 1 Orion^{and} Cor. No. 3 Bismark No. 3 lodes of this survey, hereinbefore described.

691.56 To cor. No. 4 iden.^{tical} with the loc^{ation}, and with cor. No. 2 Iron King lode of this survey a $\frac{3}{4}$ " galvanized iron pipe 3 ft. long set 18" in the ground, with a brass cap marked X I. K. No. 1-4- I. K.-2-4083. A granite rock in place 4' x 4' x 3' above ground chiseled X B. R. I. K. No. 1-4--I. K. -2-4083 brs. S. $65^{\circ}51'E$. 54.37'. A malpais rock in place 3' x 3' x 2' above ground chiseled X B. R. I. K. No. 1-4--I. K. 2-4083 brs. N. $88^{\circ}25'W$. 21.03' Loc. cor. a mound of stones 3' x 3'.

Thence S. $6^{\circ}26'E$. Va. $14^{\circ}E$.

1500.00 To cor. No. 1 the place of beginning.

IRON KING LODE

Beginning at cor. No. 1 iden.^{tical} with the loc^{ation}, and with cor. No. 1 Iron King No. 1 lode of this survey, hereinbefore described. The $\frac{1}{4}$ cor. bet. Secs. 30 & 31 T. 15 N. R. 9 W. brs. S. $26^{\circ}58'40"W$. 495.38'

Thence N. $6^{\circ}26'W$. Va. $14^{\circ}E$.

1500.00 To cor. No. 2 iden.^{tical} with the loc^{ation}, and with cor. No. 4 Iron King No. 1 lode of this survey hereinbefore described.

Thence S. $66^{\circ}36'30"E$. Va. $14^{\circ}E$.

345.78 To the N. C. E. iden.^{tical} with the loc^{ation}, a mound of stones 3' x 3'.

691.56 To cor. No. 3 iden.^{tical} with the loc^{ation}, and with cor. No. 2

Bismark No 2

lode of this survey, a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X I. K.-3--B. No. 2-2-4083. A malpais rock in place 2' x 1 1/2' flush with ground chiseled X B. R. I. K.-3, B No. 2-2 4083 brs. S. 41°37'E. 20'. A malpais rock in place 3' x 2' x 2' chiseled X B. R. I. K. 3-B. No. 2-2-4083 brs. S. 66° W. 20.5'. Loc. cor. a mound of stones 3' x 3'.

Thence S. 6°26'E. Va. 14°E.

1500.00 To cor. No. 4 iden.^{tical} with the loc^{ation}, and with cor. No. 1 Bismark No. 2 lode of this survey a 3/4" galvanized iron pipe 3 ft. long set 18" in the ground with a brass cap marked X I. K.-4-B No. 2-1-4083. A cedar tree 12" diam. scribed X B. T. I. K. 4 B. No. 2-1-4083 brs. N. 41°W. 11.2'. A basalt rock in place 2 1/2 x 3 x 2 ft. chiseled X B. R. I. K. 4-B. No. 2-1-4083 brs. N. 3°34'E. 31.5'. Loc. cor. a mound of stones 3 x 3 ft.

Thence N. 66°36'30"W. Va. 14°E.

345.78 To the S. C. E. iden.^{tical} with the loc^{ation}, a mound of stones 3' x 3'.

691.56 To cor. No. 1 the place of beginning.

BISMARK No. 2 LODGE

Beginning at cor. No. 1 iden.^{tical} with the loc^{ation}, and with cor. No. 4 Iron King lode of this survey hereinbefore described. The 1/4 cor. bet^{ween} secs. 30 & 31 T. 15 N. R. 9 W. brs. S. 79°00'35"W. 875.51 ft.

Thence N. 6°26'W. Va. 14°E.

1500.00 To cor. No. 2 iden.^{tical} with the loc^{ation}, and with cor. No. 3 Iron King lode of this survey hereinbefore described.

Thence S. 66°36'30"E. Va. 14°E.

345.78 To the N. C.E. Iden.^{tical} with the loc^{ation}, a mound of stones

3 x 3 ft.
 691.56 To cor. No. 3 ^{tical} iden. with the loc^{ation}, and with cor. No. 2
 Bismark No. 3 lode of this survey hereinbefore described.

Thence S. 6°26'E. Va. 14°E.

491.92 To cor. No. 3 Bismark No. 1 lode ^{tical} iden. with cor. No. 3
 Henry lode of this survey hereinbefore described.

~~1392.54 Intersect sec. line bet. secs. 30 & 31 T. 15 N. R. 9 W.
 at N. 89°58'W. 1432.12' to the 1/4 cor.~~

1500.00 To cor. No. 4 ^{tical} iden. with the loc^{ation}, a 3/4" galvanized
 iron pipe 3 ft. long set 18" in the ground with a brass
 cap marked X B. No. 2-4-4083. A cedar 6" dia. scribed
 X B. T. B. No. 2-4-4083 brs. S. 60°15'E. 2.1' a basalt
 2' x 3' x 1/2' above ground chiseled X B. R. B No. 2-4
 4083 brs. N. 88°51'W. 29.14'. Loc. cor. a mound of
 stones 3' x 3'.

Thence N. 66°36'30" W. Va. 14°E.

~~269.82 Int. Sec. Line bet. Secs 30 & 31, T. 15 N. R. 9 W. at N 89°58' W 1246.98 to 1/4 Cor.~~

345.78 To the S. C. E. iden. with the loc. a mound of stones
 3 x 3 ft.

691.56 To cor. No. 1 the place of beginning.

AREA

Henry Lode total area, - - - - -	20.661 acres
Area in conflict with Graham lode Unsurveyed, - - - - -	1.122 "
Bismark No. 1 total area, - - - - -	20.661 "
Area in conflict with Graham lode Unsurveyed, - - - - -	3.738 "
Bismark No. 3 lode total area, - - -	20.660 "
Orion lode total area, - - - - -	20.661 "
Area in conflict with Iron King No. 1 lode of this survey	0.608 "
Iron King No. 1 lode total area,	20.660 "
Iron King lode total area, - - -	20.660 "
Bismark No. 2 lode total area, -	20.660 "

FEET

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LODE LINES

As near as can be determined from the present development the veins on these lodes extend from the discovery as follows:

Bismark No. 1 lode S $6^{\circ}26'E$. 73.0' N. $6^{\circ}26'W$. 1427.0'
Henry lode S $6^{\circ}26'E$ 380' N $6^{\circ}26'W$ 1120'
 Bismark No. 3 lode N. $66^{\circ}36'30''W$. 10', & S. $66^{\circ}36'30''E$.
 1490.'.

Orion Lode N. $76^{\circ}37'W$. 790.'; S. $76^{\circ}37'E$. 710.'.

Iron King No. 1 lode S. $6^{\circ}26'E$. 1470 ft. N. $6^{\circ}26'W$. 30'.

Iron King lode S. $6^{\circ}26'E$. 1485'. N. $6^{\circ}26'W$. 15'.

Bismark No. 2 lode S. $6^{\circ}26'E$. 1080'. N. $6^{\circ}26'W$. 420'.

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ADJOINING CLAIMS

This claim is bounded on the East by Graham lode unsurveyed, Bagdad Copper Corporation claimant, and U. S. Land on all other sides by U. S. Land.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of labor and improvements made upon this claim, by the claimant or his grantors is not less than Five Hundred Dollars for each lode and that said improvements consist of:

HENRY LODE

No. 1 the dis. tunnel mouth of which is on the lode line 380' from the S. C. E. course S $6^{\circ}26'E$., 4' x 6' x 75',
 Value \$1,500.00.

No. 2 a tunnel mouth of which is on the lode line 320' from the S. C. E. course S. $14^{\circ}30'W$., 4' x 6' x 80'.
 Value \$1,600.00.

One-seventh of the value of

Tunnel No. 1 Orion Lode, is a common improvement, and ~~one-seventh its value, \$500.00,~~ is credited this lode. *Value \$500.*

Total value improvements credited this lode - \$3,600.00.

BISMARK NO. 1 LODE

No. 1 the dis. which is on the lode line 75' from the S. C. E. an iron cropping. No value.

No. 2 a tunnel mouth of which brs. N. $2^{\circ}30'W$. 665' from cor. No. 3, course west 4' x 6' x 12'. Value, \$120.00.

No. 3 a tunnel mouth of which brs. N. 25°50'E. 860'
 from cor. No. 3 course N. 77°E. 4' x 6' x 15'. Value
 \$150.00.

One-seventh of the value of

Tunnel No. 1 Orion Lode, ~~is~~ a common improvement, and ~~one-~~
~~seventh its value, \$500.00,~~ is credited this lode. ^{Value \$500.} Total
 value improvements credited this lode, - - - -\$770.00.

BISMARCK NO. 3 LODE

No. 1 the dis. which is on the lode line 10' from the W.
 C. E. an iron cropping. No value.

No. 2 a tunnel the mouth of which brs. N. 57°E. 545' from
 cor. No. 3 course N. 13°W. 4' x 6' x 40'. Value \$600.00.

One-seventh of the value of

Tunnel No. 1 Orion lode, ~~is~~ a common improvement, and ~~one-~~
~~seventh its value, \$500.00,~~ is credited this lode. ^{Value \$500.}
 Total value improvements credited this lode, - - \$1,100.00.

ORION LODE

No. 1 the dis. a tunnel the mouth of which is on the
 lode line 710' from the E. C. E, from mouth this tunnel

- brs.: S. 15°36'E. 24.5' to point A. then
- S. 8°00'W. 22.5' to point B. then
- S. 2°45'W. 31.5' then
- S. 32°30'W. 32.0' to face. from A
- S. 45°E. 45.0' to face of drift. From B
- S. 83°20'W. 23.5' to face of drift.

4' x 6' x 179'. Value, - - - - - \$3,500.00.

This tunnel is a common improvement and one-seventh
 its value, \$500.00, is credited this lode.

No. 2 a tunnel the mouth of which brs. N. 45°10'W. 512'
 from cor. No. 1 course S. 22°W. 4' x 6' x 20'. Value \$300.

Total value improvements credited this lode, - - \$800.00.

IRON KING NO. 1 LODE

No. 1 the dis. which is on the lode line 30' from the N. C.
 E. an iron cropping. No value.

No. 2 A cut the mouth of which brs. N. 87°10'W. 160'.
 from Cor. No. 4,

course S. 20°W. 4' x 15' x 10', face value \$50.00.
 One-seventh of the value of
 Tunnel No. 1 Orion lode, is a common improvement and one-
 seventh its value, ~~\$500.00~~, is credited this lode. Value, \$500.
 Total value improvements credited this lode, - - - -\$550.00.

- - - - -
 IRON KING LODE

No. 1 the dis. cut mouth of which is on the lode line, 15'
 from the N. C. E. course S. 6°26'E. 4' x 15' x 10'. Value
 \$50.00.
 One-seventh of the value of
 Tunnel No. 1 Orion lode, is a common improvement and one-
 seventh its value, ~~\$500.00~~, is credited this lode. Value, \$500.
 Total value improvements credited this lode, - - - -\$550.00.

- - - - -
 BISMARK NO. 2 LODE

No. 1 the dis. tunnel mouth of which is on the lode line
 420' from the N. C. E. course S. 77°W. 4' x 6' x 20'.
 Value, - - - - -\$150.00.
 No. 2 a cut and tunnel, mouth of cut brs. N. 66°36'30"W.
 40 ft. from cor. No. 3, course S. 44°30'W. cut 4' x 20'
 x 10' face, tunnel 4' x 6' x 50'. Value, - - - \$1,000.00.
 No. 3 a cut ^{and}/tunnel the mouth of which brs. S. 53°20'E.
 215' from cor. No. 2, course S. 2°00'E. Cut 4' x 20' x 10'
 face, tunnel 4' x 6' x 20'. Value, - - - -\$400.00.
 One-seventh of the value of
 Tunnel No. 1 Orion lode, is a common improvement and one-
 seventh its value, ~~\$500.00~~, is credited this lode, Value \$500.
 Total value improvements credited to this lode,
 - - - \$2,050.00.

- - - - -
 LOCATION

This claim is located in the Eureka mining district,
 Yavapai County, Arizona, in sections 30 & 31 T. 15 N. R.
 9 W.

- - - - -
 INSTRUMENT

This survey was made with a Lietz transit, the courses
 were deflected from the meridian as determined by direct

solar observations. The distances were measured with a 500 ft. and a 50 ft. steel tape.

REPORT

The lode lines of these claims were run direct upon the ground and the several corners were established by offsets therefrom. The tie lines were run direct upon the ground. The 1/4 cor. bet. sec. 30 & 31, the 1/4 cor. bet. sec. 29 & 30 and cor. to sections 29, 30, 31 & 32 T. 15 N. R. 9 W. are all iron pipes with brass caps properly marked. N. W. ^{NE + S.W} _^ cors Graham ^{etc} ~~is~~ # 4 x 4 posts painted white in a mound of stones.

This claim is located on mountainous ground and tunnel No. 1 Orion lode is located so that by cross-cutting and drifting the entire group will be developed.

I made a diligent search but was unable to find the 1/4 Cor. on the West line of Sec. 30, T. 15 N., R. 9 W., therefore the Orion lode was tied to the 1/4 Cor. between Secs. 30 and 31.

Richard L. Merrill
U. S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Richard L. Merritt

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 _____

_____ Edmond B. Bronson
known as the Henry, Bismark No. 1, Bismark No. 2, Bismark No. 3
Iron King, Iron King No. 1, and Orion lodes.

and showing the respective capacities in which they acted.

Fraser McKay, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

I
We, Fraser McKay

and _____, do solemnly swear that I we assisted Richard L. Merritt, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Edmond B. Bronson

_____ Henry, Bismark No. 1, Bismark No. 2, Bismark No. 3
known as the Iron King, Iron King No. 1 and Orion 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

Fraser McKay, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 2nd

day of January, 1929

My Comm. Expires
Decr 12 - 1930

R. L. Merritt

Natalie P. Miller

FINAL OATH OF U. S. MINERAL SURVEYOR

I, Richard L. Merritt, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix Arizona, dated Dec. 13 1928,
I have, in strict conformity to the laws of the United States, the official regula-
tions and instructions thereunder, and the instructions of said Office Cadastral
Engineer, faithfully and correctly executed the survey of the Mining Claim of
Edmond B. Bronson, known as the
Henry, Bismark No. 1, Bismark No. 2, Bismark No. 3
Iron King, Iron King No. 1, and Orion lodes.
situate in Eureka Mining District,
Yavapai County, Arizona, in Section
30 & 31, Township No. 15N, Range No. 9W
and designated as Survey No. 4083, 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 Engi-
neer with said instructions, and that all corners of said survey have been established
and perpetuated in strict accordance with the law, official regulations and instruc-
tions 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 his
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 in-
cluded in the estimate of expenditures upon any other claim.

Richard L. Merritt
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Richard L. Merritt

U. S. Mineral Surveyor, before me W. H. Merritt a Notary

Public this 2nd

day of January, 1929

My Commission Exp.
Decr. 12-1930

W. H. Merritt
Notary Public

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

January 21, 1929

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

Edmond B. Bronson known as the HENRY, BISMARK NO. 1, BISMARK NO. 2, BISMARK NO. 3, IRON KING, IRON KING NO. 1, and ORION lodes situate in Eureka

Mining District Yavapai County Arizona in Section 30A31, Township No. 15 N, Range No. 9 W, and designated as Survey No. 4083

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 his grantors, and that said improvements consist of 4 cuts and 10 tunnels, total value \$9420.

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,

January 21, 1929

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

Edmond B. Bronson

, known as the

HENRY, BISMARK NO. 1, BISMARK NO. 2, BISMARK NO. 3, IRON KING, IRON KING NO. 1 and ORION lodes

situate in Eureka mining district,

Yavapai County, Arizona

in Sections 30 and 31, Township No. 15 N, Range No. 9 W.

, designated as Survey No. 4083

executed by Richard L. Merritt, U. S. Mineral

Surveyor, Dec. 16 - 31, 1928, under my instructions dated

Dec. 13, 1928, 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.