

MINERAL SURVEY No. 4165

Arizona *Land District*

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Western Copper & Mining Company

KNOWN AS THE
NOVO NO. 24, DETROIT NO. 2, DETROIT NO. 3, DETROIT NO. 7 and DETROIT NO. 9

Greenlee Gold Mountain *Mining District,*

Greenlee *County,* Arizona

Section 11 & 14, Township 4 S, Range 29 E
G & S R B & M

Surveyed under instructions dated August 7, 19 33

By Ralph L. Motz
U. S. Mineral Surveyor.

Claim located Sept. 10, 1925 and July 1, 1925, 19

Survey commenced October 7, 19 33

Survey completed October 14, 19 33

Address of claimant's attorney, Cleon T. Knapp,
Tucson, Arizona.

DATES OF AMENDED LOCATIONS

Novo No. 24, Feb. 19, 1931; Detroit No. 2, March 4, 1931;

Detroit No. 3, March 4, 1931; Detroit No. 7, Feb. 20, 1931;

Detroit No. 9, Feb. 16, 1931.

SURVEY NO. 4165

Mineral Survey No. 4165 was made with a Gurley & Sons Precise Transit, Light Mountain Model, with horizontal limb 6.25 inches in diameter, having two double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a prismatic eye piece with colored glass slide for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order. An a. m. altitude observation of the sun for time and azimuth, and at noon on the meridian for latitude, were made at Cor. No. 4 of the Detroit No. 2 lode, the details of which observations are shown in the calculation sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a Lufkin steel tape, 150 feet in length, graduated to feet, tenths and hundredths for entire length; a Kueffel & Esser Steel tape, 300 feet in length, graduated to feet, tenths and hundredths for entire length; and a Lufkin steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for entire length. All tapes were compared with a Lufkin standard at the time of beginning the survey, and found correct.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of 13° 50' E.

NOVO NO. 24

Beginning at Cor. No. 1 of the Novo No. 24 lode, where I

Set a granite rock 29x10x7 inches, 17 inches in the ground, for Cor. No. 1, marked N24-1-4165, D7-2-4165, D9-1-4165; from which

The 1/4 Cor. between Secs. 11 and 14, T 4 S, R 29 E, G & S R B & M; an iron post, 1 in. diam., 12 inches above ground, firmly set, with brass cap properly marked, bears N 13° 34' W 435.9 ft. dist.

A pine post, 4 inches square, 4 feet long, set 18 inches in the ground in a mound of rocks bears N 52° 53' E 3.4 ft.

A granite ledge 24x148 ins., 108 inches above ground, bears N 25° 00' W 3.0 ft. dist., marked BR x N24 - 1-4165.

A granite rock in place 23x64 ins., 11 inches above ground, bears N 81° 48' W 20.58 ft. dist., marked BR x N24-1-4165

Thence N 52° 53' E

375.0 Cross gulch, 10 feet wide, course southeasterly.

1380.0 Cross gulch, 20 feet wide, course southeasterly.

1500.0 Cor. No. 2.

Set a granite rock 26x10x9 ins., 16 inches in the ground for Cor. No. 2, marked N24-2-4165; identical with Cor. No. 3, Survey No. 4166 Novo No. 25 lode; from which

A pine post, 4 feet long, 4 inches square set 18 inches in the ground in a mound of rocks bears N 25° 00' W 4.9 ft.

A porphyry rock in place 16x23 ins., 21 inches above ground, bears N 34° 21' E 22.27 ft., dist. marked BR x N24 - 2-4165

Thence S 25° 00' E

306.8 Original location for the east end center, being
 A mound of rocks 3 feet high with 3 feet base.

613.6 Cor. No. 3
 Set a granite rock 25x8x6 ins., 16 inches in the ground, for Cor. No. 3, marked N24-3-4165; from which

A granite rock in place 19x29 ins., 18 inches above ground, bears S 35° 55' E 60.27 ft. dist., marked BR x N24-3-4165

A granite rock in place 16x21 ins., 18 inches above ground, bears S 41° 42' W 16.78 ft. dist., marked BR x N24-3-4165

A pine post 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears N 25° 00' W 4.2 ft. dist.

Thence S 52° 53' W

75.0 Cross gulch, 20 feet wide, course southeasterly.

356.0 Cor. No. 2, Detroit No. 3 lode of this survey.

1132.0 Cross gulch, 15 feet wide, course southerly.

1500.0 Cor. No. 4
 Identical with Cor. No. 2; Detroit No. 9 lode of this survey,
 On line 1-2 of Detroit No. 3 lode of this survey.

Set a diorite rock 29x8x6 ins.; 16 inches in the ground, for Cor. No. 4, marked N24-4-4165; D9-2-4165; from which

A granite rock in place 9x16 ins., 12 inches above ground, bears N 86° 21' W 26.85 ft. dist., marked BR x N24-4-4165

A granite ledge 24x25 ins., 42 inches above ground, bears N 25° 04' W 34.20 ft. dist., marked BR x N24-4-4165

A pine post 4 feet long, 4 inches square, set 18 inches in the ground, in a mound of rocks, bears N 52° 53' E, 4.0 ft. dist.

Thence N 25° 00' W

306.8 Original location for the west end center, identical with east end center Detroit No. 9 lode of this survey, being a mound of rocks 3 feet high with 3 feet base

613.6 Cor. No. 1 and place of beginning.

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DETROIT NO. 3

Beginning at Cor. No. 1 of the Detroit No. 3 lode, where

I
Set a granite rock 29x12x5 ins., 16 inches in the ground, for Cor. No. 1, marked D3-1-4165; D2-1-4165; from which

The 1/4 Cor. between Secs. 11 and 14, T. 4 S., R. 29 E., G & S R B & M bears N 3° 43' W 1197.2 ft. dist., Previously described.

Cors. 2 and 4 of Detroit No. 9 and Novo No. 24 lodes of this survey bear N 52° 53' E 356.0 ft. dist.

A pine post 4 feet long 4 inches square, set 18 inches in the ground in a mound of rocks bears S 52° 53' W 4.2 ft.

Thence N 52° 53' E

356.0 To Cors. 2 and 4 of the Detroit No. 9 and Novo No. 24 lodes of this survey.

724.0 Cross gulch, 15 feet wide, course southerly.

1500.0 Cor. No. 2.

On line 3-4 of the Novo No. 24 lode of this survey.

Set a granite rock 29x9x7 ins., 17 inches in the ground, for Cor. No. 2, marked D3-2-4165, from which

A granite rock in place, 22 x 48 ins., 11 inches above ground, bears N 50° 40' W 15.35 ft. dist., marked BR x D3-2-4165

A granite ledge 20x81 ins., 67 inches above ground, bears N 10° 55' E 29.08 ft. dist., marked BR x D3-2-4165

A pine post 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 52° 53' W 4.7 ft. dist.

Thence S 37° 07' E

300.0 Original location for the east end centerm being a mound of rocks, 3 feet high with 3 feet base.

600.0 Cor. No. 3

Set a granite rock 33x9x8 ins., 16 inches in the ground, for Cor. No. 3, marked D3-3-4165, from which

A granite rock in place 32x41 ins., 10 inches above ground, bears N 75° 12' W 20.7 ft. dist., marked BR x D3-3-4165

A granite rock in place 21x43 ins., 8 inches above ground, bears N 88° 39' W 6.2 ft. dist., marked BR x D3-3-4165

A pine post 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 52° 53' W 4.3 ft. dist.

Thence S 52° 53' W

455.2 Cor. No. 4, Detroit No. 24 lode, Survey No. 4167.

1055.2 Cors. 3 and 4 of the Detroit No. 24 and Detroit No. 4 lodes, both of Survey No. 4167.

1315.0 Cross gulch 20 feet wide, course southeasterly

1500.0 Cor. No. 4
Identical with Cor. No. 2 of Detroit No. 2 lode of this survey
On line 3-4 Survey No. 4167 Detroit No. 4 lode.

Set a granite rock 28x8x7 ins. 16 inches in the ground for Cor. No. 4, marked D3-4-4165, D2-2-4165; from which

A granite ledge 21x22 ins., 25 inches above ground, bears N 14° 41' W 97.77 ft. dist., marked BR x D3-4-4165

A granite rock in place 14x27 ins., 34 inches above ground, marked BR x D3-4-4165, bears S 77° 24' W 66.9 ft. dist.

A pine post 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 37° 07' E 2.7 ft. dist.

Thence N 37° 07' W

300.0 Original location for the west end center, identical with east end center of the Detroit No. 2 lode of this survey, being a mound of rocks 3 feet high with 3 feet base

600.0 Cor. No. 1 and place of beginning.

DETROIT NO. 7

Beginning at Cor. No. 1 of the Detroit No. 7 lode, where I

Set a granite rock 26x12x7 ins., 14 inches in the ground to bed rock, for Cor. No. 1, marked D7-1-4165; identical with Cors. Nos. 1 of Novo No. 23, Novo No. 25 and Novo No. 26 lodes, all of Survey No. 4166, from which

The 1/4 Cor. between Secs. 11 and 14, T 4 S, R 29 E G & S R B & M, previously described, bears S 49° 52' E 205.4 ft. dist.

A granite ledge 96x180 ins. 54 inches above ground, bears N 25° 00' W 20.12 ft. dist., marked BR x D7-1-4165

A granite ledge 44 x 74 ins., 41 inches above ground, bears S 25° 00' E 12.33 ft. dist., marked BR x D7-1-4165

A pine post 4 feet long 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 25° 00' E 2.7 ft. dist.

Thence S 25° 00' E

306.8 Original location for east end center, being a mound of rocks 3 feet high with 3 feet base

562.0 Cross trail, course southwesterly.

613.6 Cor. No. 2

Identical with Cors. Nos. 1 of the Novo No. 24 and Detroit No. 9 lodes of

this survey and Cor. No. 4 of Novo No. 25 lode Survey No. 4166

Thence S 52° 53' W

426.0 Cross gulch, 10 feet wide, course southeasterly.

605.0 Cross trail, course southeasterly.

922.0 Cross trail, course westerly.

1008.0 Cross trail, course southerly.

1500.0 Cor. No. 3

Identical with Cor. No. 4 of the Detroit No. 9 lode of this survey and Cors. 4 and 2 of Detroit No. 6 and Detroit No. 8 lodes, both of Survey No. 4166.

Set a granite rock 26x10x10 ins., 16 inches in the ground for Cor. No. 3, marked D7-3-4165, D9-4-4165, from which

A granite rock in place 43x69 ins., 25 inches above ground, bears N 20° 18' W 37.4 ft. dist., marked BR x D7-3-4165

A granite rock in place 64x135 ins., 66 inches above ground bears S 80° 52' W 32.65 ft. dist., marked BR x D7-3-4165

A pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of rock bears southerly 6.05 ft. dist.

Thence N 25° 00' W

306.8 Original location for the west end center, being a mound of rocks 3 feet high with 3 feet base

613.6 Cor. No. 4

Identical with Cors. Nos. 3, & 4, Detroit No. 6 and Novo No. 18 lodes of Survey No. 4166 and Cor. No. 2, Novo No. 23 lode of Survey No. 4166.

Set a granite rock 27x16x7 ins., 18 inches in the ground for Cor. No. 4, marked D7-4-4165, from which

A granite ledge 36x57 ins., 35 inches above ground, bears N 12° 37' E 16.3 ft., marked BR x D7-4-4165

A granite ledge 25x45 ins., 13 inches above ground bears S 47° 02' W 15.83 ft., dist., marked BR x D7-4-4165

A pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of rocks, bears N 60° 00' E 4.6 ft. dist.

Thence N 52° 53' E

1500.0 Cor. No. 1 and place of beginning.

DETROIT NO. 9.

Beginning at Cor. No. 1 of the Detroit No. 9 lode, which

is identical with Cor. No. 1 of the Novo No. 24 lode and Cor. No. 2 of the Detroit No. 7 lode both of this survey and Cor. No. 4 of Novo No. 25 lode of Surv. No. 4166.

Thence S 25° 00' E

- 306.8 Original location for the east end center, identical with west end center of the Novo No. 24 lode of this survey, previously described
 - 613.6 Cor. No. 2
Identical with Cor. No. 4 of the Novo No. 24 lode of this survey
Thence S 52° 53' W
 - 356.0 Cors. Nos. 1 of the Detroit No. 3 and Detroit No. 2 lodes both of this survey.
 - 614.0 Cross gulch, 10 feet wide, course southeasterly
 - 1320.0 Cross trail, course southerly
 - 1500.0 Cor. No. 3
On line 4-1 of the Detroit No. 2 lode of this survey.
Identical with Cor. No. 3 of the Detroit No. 8 lode of Survey No. 4168.
Set a porphyry rock 27x11x7 ins., 16 inches in the ground, for Cor. No. 3, marked D9-3-4165, from which
A porphyry ledge 20x25 ins., 10 inches above ground bears S 13° 45' W 22.05 ft. dist., marked BR x D9-3-4165
A pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of rocks bears S 52° 53' W 4.35 ft. dist.
Thence N 25° 00' W
 - 306.8 Original location for the west end center being a mound of rocks 3 feet high with 3 feet base
 - 613.6 Cor. No. 4
Identical with Cor. No. 3 of the Detroit No. 7 lode of this survey, and Cors. Nos. 2 & 4 Detroit No. 8 and Detroit No. 6 lodes, Survey No. 4168.
Thence N 52° 53' E
 - 492.0 Cross trail, course southerly.
 - 578.0 Cross trail, course westerly.
 - 895.0 Cross trail, course southeasterly.
 - 1074.0 Cross gulch, 10 feet wide, course southeasterly.
 - 1500.0 Cor. No. 1 and place of beginning.
Thence N 52° 53' E
- DETROIT NO. 2
- Beginning at Cor. No. 1, which is identical with Cor. No. 1 of the Detroit No. 3 lode of this survey.
Thence S 37° 07' E
- 300.0 Original location for the east end center, identical with the west end center of the Detroit No. 3 lode of this survey.
 - 600.0 Cor. No. 2

- Identical with Cor. No. 4 of the Detroit No. 3 lode of this survey.
- Thence S 52° 53' W
- 361.0 Cross gulch, 15 feet wide, course southeasterly
- 1055.2 To Cors. Nos. 3 and 2, of the Detroit No. 4 and Detroit No. 14 lodes, both of Survey No. 4167.
- 1886.0 Cross trail, course southerly.
- 1500.0 Cor. No. 3
- On line 1-2 of the Detroit No. 14 lode, Survey No. 4167.
- Identical with Cor. No. 3 of the Detroit No. 10 lode, Survey No. 4168.
- Set a diorite rock 26x12x5 ins., 17 inches in the ground for Cor. No. 3, marked D2-3-4165, from which
- A porphyry ledge 19x32 ins., 29 inches above ground, bears S 18° 25' E 23.74 ft. dist., marked BR x D2-3-4165
 - A porphyry ledge 16x23 ins., 14 inches above ground bears N 43° 31' W 17.10 ft. dist., marked BR x D2-3-4165
 - A pine post 4 feet long 4 inches square set 18 inches on the ground in a mound of rocks Bears N 52° 53' E 4.9 ft. dist.
- Thence N 37° 07' W
- 300.0 Original location for the west end center, being a mound of rocks 3 feet high with 3 feet base
- 600.0 Cor. No. 4
- On line 3-4 of Survey No. 4168 Detroit No. 8 lode.
- Identical with Cor. No. 2 of Survey No. 4168 Detroit No. 10 lode.
- Set a granite rock 27x7x7 ins., 17 inches in the ground for Cor. No. 4, marked D2-4-4165, from which
- A granite rock in place 18 x 18 ins., 10 inches above ground, bears S 15° 56' W 12.36 ft. dist., marked BR x D2-4-4165
 - A granite rock in place 18 x 32 ins., 17 inches above ground, bears N 8° 02' E 10.04 ft. dist., marked BR x D2-4-4165
 - A pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of rocks bears S 52° 53' W 5.40 ft. dist.
- Thence N 52° 53' E
- 356.0 To Cors. 3 and 3 of Detroit No. 9 lode of this survey and Detroit No. 8 lode of Survey No. 4168.
- 536.0 Cross trail, course southerly.
- 1242.0 Cross gulch, 10 feet wide, course southeasterly.
- 1500.0 Cor. No. 1 and place of beginning.

LODE LINES

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

- Novo No. 24 lode, N 52° 53' E 250 ft., and S 52° 53' W 1250 ft.
- Detroit No. 3 lode, N 52° 53' E 880 ft., and S 52° 53' W 620 ft.
- Detroit No. 7 lode, N 52° 53' E 980 ft., and S 52° 53' W 520 ft.
- Detroit No. 9 lode; N 52° 53' E 750 ft., and S 52° 53' W 750 ft.
- Detroit No. 2 lode, N 52° 53' E 750 ft., and S 52° 53' W 750 ft.

AREAS

	acres
Total area - Novo No. 24 lode - - - - -	20.659
Total area - Detroit No. 3 lode - - - - -	20.661
Total Area - Detroit No. 7 lode - - - - -	20.659
Total area - Detroit No. 9 lode - - - - -	20.659
Total area - Detroit No. 2 lode - - - - -	20.661

LOCATION

This survey is located in the S 1/2 of Sec. 11 and the N 1/2 of Sec. 14, T 4 S, R 29 E, G & S R B & M, Arizona.

The survey of each of the lode locations of this survey is identical with the amended location as marked on the ground.

EXPENDITURE OF \$500

I certify that 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 is not less than \$500, and that said improvements consist of:-

- No. 1 The discovery shaft of the Novo No. 24 lode, the center of which being the discovery point, is on the center line 250 ft. from the east end center, 4x6 ft., 10 ft. deep.
Value \$50
- No. 1 The discovery cut of the Detroit No. 3 lode, the face of which being the discovery point is on the center line, 620 ft. from the west end center; 4 feet wide, 10 ft. face, runs N 52° 53' E 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Detroit No. 7 lode, the face of which being the discovery point is on the center line, 520 ft. from the west end center; 4 feet wide, 10 ft. face, runs N 52° 53' E 12 ft. to face
Value \$50

- No. 1 The discovery cut of the Detroit No. 9 lode, the face of which being the discovery point is on the center line 750 ft. from the west end center; 4 feet wide, 10 ft. face, runs West 19 ft. to face
Value \$ 75
- No. 1 The discovery cut of the Detroit No. 2 lode, the face of which being the discovery point is on the center line 750 ft. from the west end center; 4 feet wide, 10 ft. face, runs S 52° 53' W 16 ft. to face
Value \$ 60
- A 1/26 interest in Improvement No. 2 of the Detroit No. 12 lode of survey No. 4168 has been allotted to each of the following claims of this survey - Detroit No. 2, Detroit No. 3, Detroit No. 7 and Detroit No. 9
Value of 1/26 interest - \$180
- A 1/26 interest in tunnel and cut, Improvement No. 2, of the Detroit No. 13 lode of Survey No. 4168 has been allotted to each of the following claims of this survey - Detroit No. 2, Detroit No. 3, Detroit No. 7 and Detroit No. 9
Value of 1/26 interest \$172
- a 1/26 interest in Improvement No. 3 of the Detroit No. 13 lode of Survey No. 4168 has been allotted to each of the following claims of this survey - Detroit No. 2, Detroit No. 3, Detroit No. 7, and Detroit No. 9
Value of 1/26 interest \$ 70
- A 1/26 interest in Improvement No. 4 of the Detroit No. 13 lode of Survey No. 4168 has been allotted to each of the following claims of this survey, Detroit No. 2, Detroit No. 3, Detroit No. 7 and Detroit No. 9
Value of 1/26 interest \$ 76
- A 1/30 interest in Improvement No. 2 of the Novo No. 14 lode of Survey No. 4168 has been allotted to the Novo No. 24 lode of this survey.
Value of 1/30 interest \$ 589
- A 1/75 interest in Improvement No. 1 of the Novo No. 5 lode of Survey No. 4168 has been allotted to each claim of this survey.
Value of 1/75 interest \$ 70
- A 1/75 interest in diamond drilling and other improvements made in Christie and Kentucky tunnels situated on Survey No. 2709 Copper Bluff and Kentucky lodes has been allotted to each of the claims of this survey
Value of 1/75 interest \$ 761.89

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

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 _____

Western Copper and Mining Company

known as the Novo. No. 24, Detroit No. 2, Detroit No. 3, Detroit No. 7 and Detroit No. 9 lodes and showing the respective capacities in which they acted.

Allen Hanley, Chainman.

_____, Chainman.

Joe Billingsley, Jr., Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS

We, Allen Hanley

and Joe Billingsley, Jr., do solemnly swear that we assisted Ralph L. Motz

_____, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Western Copper and Mining Company

known as the Novo No. 24, Detroit No. 2, Detroit No. 3, Detroit No. 7 and Detroit No. 9 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.

Allen Hanley, Chainman.

_____, Chainman.

Joe Billingsley, Jr., Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 17th

day of November, 1933

J.B. Kline

Notary Public, in and for the County of _____
Greenlee, State of Arizona.

My Commission Expires Sept. 4, 1934

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Ralph L. Motz, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated August 7, 1933, 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 Western Copper and Mining Company, known as the Detroit No. 2, Detroit No. 3, Detroit No. 7, Detroit No. 9 and Nova No. 24 situate in Greenlee Hold Mountain Mining District, Greenlee County, Arizona, in Section 11 and 14, Township No. 4 S, Range No. 29 E, G. & S. R. B. & M, and designated as Survey No. 4165, 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.

Ralph L. Motz
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me D. M. Simpson, Notary Public
Notary Public this 13th
day of November, 1933

D. M. Simpson

Notary Public, in and for the County of Cochise, State of Arizona.

My commission expires Aug. 9, 1937



OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

February 3, 1934

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 Western Copper & Mining Company

known as the Mine No. 24, Detroit No. 2, Detroit No. 3, Detroit No. 7 and Detroit No. 9 situate in Greenlee Gold Mountain

Mining District Greenlee County Arizona

in Sections 11 & 14, Township No. 4 S., Range No. 29 E., G. & S. R. B. & M. and designated as Survey No. 4165, 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 Western Copper & Mining Company or its grantors, and that said improvements consist of 1 shaft and 4 cuts - Value \$285.00 and an undivided interest to the amount of \$6740.45 in certain common improvements located on claims of Mineral Surveys Nos. 2709 and 4168, as described in detail in the foregoing Field Notes.

Total Value of Improvements \$7,025.45

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.

Sherman C. Fiske

Sherman C. Fiske Acting Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona

February 3, 1934

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 Western Copper & Mining Company

known as the NOVO NO. 24, DETROIT NO. 2, DETROIT NO. 3, DETROIT NO. 7 & DETROIT No. 9

situate in Greenlee Gold Mountain mining district, Greenlee County, Arizona

in Sections 11 & 14, Township No. 4 S., Range No. 29 E.

G. & S.R.B. & M., designated as Survey No. 4165

executed by Ralph L. Motz, U. S. Mineral

Surveyor, October 7th to October 14th, 1933, under my instructions dated

August 7, 1933, 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

are 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.

Sherman C. Fiske

Sherman C. Fiske Acting Office Cadastral Engineer.