

MINERAL SURVEY No. 4168

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Western Copper and Mining Company

KNOWN AS THE

Minnesota, Novo No. 1, Novo No. 2, Novo No. 4, Novo No. 5, Novo No. 6, Novo No. 7, Novo No. 8, Novo No. 9, Novo No. 11, Novo No. 12, Novo No. 13, Novo No. 14, Novo No. 16, Novo No. 17, Novo No. 18, Novo No. 19, Detroit No. 1, Detroit No. 5, Detroit No. 6, Detroit No. 8, Detroit No. 10, Detroit No. 11, Detroit No. 12, and Detroit No. 13 - Greenlee Gold Mountain *Mining District,*

Greenlee County, Arizona

Section s 10,11,14,15, Township 4 S, Range 29 E, G & S R B & M

Surveyed under instructions dated August 12, 1933

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

Claim located Minnesota - Oct. 7, 1930, 19

Survey commenced November 16, 1933

Survey completed December 14, 1933

Address of claimant's Attorney, Cleon T. Knapp,
Consol. Nat. Bank Bldg.,
Tucson, Arizona.

DATES OF AMENDED LOCATIONS

February 4, 5, 6, 7, 20, 23, 24 25; 1931

March 3, 13, 14, 16, 23; 1931

*Amended Field Notes approved July 1, 1935,
pertaining to Detroit No. 1, Detroit No. 11 and
Detroit No. 12 lodes, and Areas, are attached hereto.*

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SURVEY NO. 4168

Feet

Mineral Survey No. 4168 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 the survey and all adjustments were in good order. An a. m. altitude observation of the sun for time and azimuth, was made at Cor. No. 2 of the Detroit No. 1 lode; and at noon on the meridian for latitude was made at same place, 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 $15^{\circ} 50'$ E.

NOVO NO. 19

Beginning at Cor. No. 1 of the Novo No. 19 lode,

Identical with Cor. No. 1 of the Novo No. 20 lode of Survey No. 4166, and situated on line 3-4 of Survey No. 2709 Good Site

A quartz porphyry rock 6x10 inches, 10 inches above the ground, marked N19-1-4168, from which

The $\frac{1}{4}$ Cor. between Secs. 10 and 11, 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 $N 72^{\circ} 18' E$ 301.3 ft. dist.

thence $S 25^{\circ} 00' E$

306.8 Original location for the east end center, identical with the west end center of the Novo No. 20 lode, Survey No. 4166, being a mound of rocks 3 feet high with 3 feet base

411.6 Cross gulch, 20 feet wide, course southeasterly

613.6 Cor. No. 2

Identical with Cor. No. 4 of Survey No. 4166 Novo No. 20 lode, Cor. No. 1 Survey No. 4166 Novo No. 3 lode and Cor. No. 1 of the Novo No. 2 lode of this survey

A porphyry rock 6x8 inches, 10 inches above ground

Foot	
	marked N19-2-4168 and N2-1-4168
	Thence S 52° 53' W
1500.0	Cor. No. 3
	Identical with Cor. No. 4 of the Novo No. 2 lode, Cor. No. 2 of the Novo No. 6 lode, and Cor. No. 4 of the Novo No. 4 lode, all of this survey
	Set a granite rock 26x0x6 ins., 16 inches in the ground, for Cor. No. 3, marked N19-3-4168; N2-4-4168; N6-2-4168; N4-4-4168; from which
	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 5.3 ft.
	A granite ledge 10x44 ins., 28 inches above the ground, marked BR X N19-3-4168, bears N 21° 05' W 14.3 ft.
	A granite ledge 10x134 inches, 39 inches above the ground, bears S 48° 15' W 9.2 ft. dist., marked BR X N19-3-4168
	Thence N 25° 00' W
306.8	Original location for the west end center, identical with the east end center of the Novo No. 4 lode of this survey, being a mound of rocks 3 feet high with 3 feet base
615.6	Cor. No. 4
	Identical with Cor. No. 3 of the Novo No. 4 lode of this survey and situated on line 3-4 of Vallie View lode Survey No. 2709
	Set a granite rock 25x10x7 inches; 16 inches in the ground for Cor. No. 4, marked N19-4-4168; N4-3-4168; from which
	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 4.0 ft.
	A granite ledge 39x112 inches; 12 inches above the ground, bears N 37° 24' W 8.2 ft., marked BR X N19-4-4168
	A granite ledge 4x37 inches, 42 inches above the ground, bears N 42° 12' E 7.9 ft., dist., marked BR X N19-4-4168
	thence N 52° 53' E
952.5	Cors: 3 and 4, of Survey No. 2709, Vallie View and Good Site lodes, respectively
1102.5	Cross gulch, 15 feet wide, course southeasterly
1500.0	Cor. No. 1 and place of beginning.
	NOVO NO. 2
	Beginning at Cor. No. 1 of the Novo No. 2 lode
	Identical with Cor. No. 2 of the Novo No. 19 lode of this survey and Cor. No. 4 of Novo No. 20 and Cor. No. 1 of Novo No. 3 both of Survey No. 4166

Feet

From which

The 1/4 Cor. between Secs. 10 and 11, T 4 S, R 29 E, G & S R B & M, previously described, bears N 2° 27' E 648.3 ft.

Thence S 25° 00' E

306.8 Original location for the east end center, identical with the west end center of the Novo No. 3 lode of Survey No. 4166, being a mound of rocks 3 feet high with 3 feet base

583.6 Cross gulch, 25 feet wide, course southerly

613.6 Cor. No. 2

Identical with Cor. No. 3 of the Novo No. 1 lode of this survey, and Cors. 4 and 2 of Survey No. 4166 Novo No. 3 and Novo lodes, respectively

A porphyry rock 5x7 inches, 12 inches above the ground, for Cor. No. 2; marked N2-2-4168; N1-3-4168

Thence S 52° 53' W

30.0 Cross gulch, 25 feet wide, course southerly

1500.0 Cor. No. 3

Identical with Cor. No. 2 of the Novo No. 1 lode, Cor. No. 2 of the Novo No. 8 lode, Cor. No. 3 of the Novo No. 6 lode, all of this survey

Set a granite rock 25x10x8 ins., 18 inches in the ground, for Cor. No. 3, marked N2-3-4168; N1-2-4168; N8-2-4168; N6-3-4168; from which

A pine post, 4 feet long, 4 inches square, set 18 inches in the ground in a mound of stones, bears S 25° 00' E 4.75 ft.

A granite ledge 38x133 inches, 6 inches above the ground, bears N 25° 00' W 14.3 ft. dist., marked BRX N2-3-4168

A granite rock in place 10x28 inches, 9 inches above ground, bears S 35° 45' W 12.1 ft. dist., marked BR X N2-3-4168

Thence N 25° 00' W

306.8 Original location for the west end center, identical with the east end center of the Novo No. 6 lode of this survey, being a mound of rocks 3 feet high with 3 feet base

613.6 Cor. No. 4

Identical with Cor. No. 3 of the Novo No. 19 and Cors. Nos. 4 and 2 of Novo No. 4 and Novo No. 6, respectively of this Survey

Thence N 52° 53' E

1500.0 Cor. No. 1 and place of beginning.

NOVO NO. 1

Beginning at Cor. No. 1 of the Novo No. 1 lode

Feet	
	<p>Identical with Cor. No. 1 of the Novo No. 9 lode, Cor. No. 1 of the Novo No. 7 lode, Cor. No. 3 of the Novo No. 8 lode, all of this survey</p> <p>Set a granite rock, 24x11x5 ins., 16 inches in the ground for Cor. No. 1, marked N1-1-4168; N7-1-4168; N9-1-4168; N8-3-4168; from which</p> <p>The Cor. of Secs. 10, 11, 14 and 15, T 4 S, R 29 E, G & S R B & M; being an iron post, 2 inches diam. 12 inches above ground, firmly set, with brass cap properly marked, bears N 89° 17' E 688.6 ft.</p> <p>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 4.0 ft.</p> <p>Thence N 25° 00' W</p>
306.8	Original location for the west end center, identical with the east end center of the Novo No. 8 lode of this survey, being a mound of rocks, 3 feet high with 3 feet base
613.6	Cor. No. 2
	<p>Identical with Cor. No. 3 of the Novo No. 2 and Cors. Nos. 3 and 2 of Novo No. 6 and Novo No. 8 lodes, all of this survey.</p> <p>Thence N 52° 53' E</p>
1400.0	Cross gulch, 25 feet wide, course southerly
1500.0	Cor. No. 3
	<p>Identical with Cor. No. 2 of the Novo No. 2 and Cors. Nos. 4 and 2 of Novo No. 3 and Novo lodes of Survey No. 4166 of this survey</p> <p>Thence S 25° 00' E</p>
306.8	Original location for the east end center, identical with the west end center of Survey No. 4166 Novo lode, being a mound of rocks 3 feet high with 3 feet base
338.6	Cross gulch, 25 feet wide, course southeasterly
613.6	Cor. No. 4
	<p>Identical with Cors. 1 and 2 of Survey No. 4166 Novo and Novo No. 10 lodes, respectively and Cor. No. 2 of the Novo No. 9 lode of this survey</p> <p>A porphyry rock 7x10 inches, 10 inches above the ground, for Cor. No. 4, marked N1-4-4168; N9-2-4168</p> <p>Thence S 52° 53' W</p>
1500.0	Cor. No. 1 and place of beginning.
	<p>NOVO NO. 9</p> <p>Beginning at Cor. No. 1 of the Novo No. 9 lode</p> <p>Identical with Cors. Nos. 1, 3 and 1 of the Novo No. 1, Novo No. 8, Novo No. 7 lodes, respectively, all of this survey,</p> <p>Thence N 52° 53' E</p>

Feet	
1500.0	Cor. No. 2 Identical with Cor. No. 4 of the Novo No. 1 and Cors. Nos. 1 and 2 of Novo and Novo No. 10 lodes of Survey No. 4166 Thence S 25° 00' E of this survey
113.6	Cross gulch, 30 feet wide, course southwesterly
306.8	Original location for the west end center, identical with the west end center of Survey No. 4166, Novo No. 10 lode, being a mound of rocks, 3 feet high with 3 feet base
613.6	Cor. No. 3 Identical with Cors. 1 and 3 of Survey No. 4166, Novo No. 10 and Novo No. 22 lodes, respectively and Cor. No. 2 of the Novo No. 11 lode of this survey A granite rock 6x10 inches, 13 inches above the ground, for Cor. No. 3; marked N9-3-4168; N11-2-4168 Thence S 52° 53' W
1095.0	Rock House Cross gulch, 30 feet wide, course southerly
1500.0	Cor. No. 4 Identical with Cor. No. 1 of the Novo No. 11 lode, Cor. No. 1 of the Novo No. 12 lode, Cor. No. 2 of the Novo No. 7 lode, all of this survey Mark an x on the granite bed rock, over this set a granite rock 24x11x5 ins. 16 inches in a mound of rocks, for Cor. No. 4, marked N9-4-4168; N11-1-4168; N12-1-4168; N7-2-4168; from which A pine post, 4 feet long, 4 inches square, set on bed rock in a mound of rocks, bears N 25° 00' W 5.0 ft. A granite ledge 180 x 300 inches forming surface of ground, bears S 25° 00' E 5.95 ft. marked BR X N9-4-4168 A point on same ledge, bears S 25° 00' E 17.5 ft., marked BR X N9-4-4168 Thence N 25° 00' W
306.8	Original location for the west end center, identical with the east end center of the Novo No. 7 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. NOVO NO. 11 Beginning at Cor. No. 1 of the Novo No. 11 lode Identical with Cors Nos. 1, 2 and 4 of Novos Nos. 12, 7 and 9 respectively, all of this survey The Cor. of Secs. 10, 11, 14 and 15, T 4 S, R 29 E, G & S R B & M, previously described bears N 37° 14' E 709.4 ft.

Feet	
	Thence N 52° 53' E
405.0	Rock House gulch, 30 feet wide, course southerly
1500.0	Cor. No. 2
	Identical with Cor. No. 3 of the Novo No. 9 lode of this survey and Cors. No. 1 and 3 of Novos Nos. 10 and 22, respectively of Survey No. 4166
	Thence S 25° 00' E
306.8	Original location for the east end center, identical with the west end center of Survey No. 4166 Novo No. 22 lode, being a mound of rocks 3 feet high with 3 feet base
613.6	Cor. No. 3
	Identical with Cors. 2 and 3 of Survey No. 4166, Novo No. 22 and Novo No. 23 lode, respectively and Cor. No. 3 of the Novo No. 18 lode, of this survey
	A quartzite rock 5x7 inches, 8 inches above the ground, marked N11-3-4168; N18-3-4168
	Thence S 52° 53' W
1298.0	Rock House gulch, 30 feet wide, course southeasterly
1500.0	Cor. No. 4
	Identical with Cor. No. 2 of the Novo No. 18 lode, Cor. No. 4 of the Novo No. 17 lode, Cor. No. 2 of the Novo No. 12 lode, all of this survey
	Set a granite rock 24x10x6 inches, 16 inches in the ground, for Cbr. No. 4; marked N11-4-4168; N18-2-4168; N17-4-4168; N12-2-4168; from which
	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 3.4 ft.
	A granite rock in place 23x27 ins., 4 inches above the ground, bears N 51° 42' W 22.8 ft., marked BRX N11-4-4168
	A granite rock in place 70x81 ins., 25 inches above ground, bears S 70° 31' W 27.2 ft., marked BR X N11-4-4168
	Thence N 25° 00' W
306.8	Original location for the west end center, identical with the east end center of the Novo No. 12 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.
	NOVO NO. 18
	Beginning at Cor. No. 1 of the Novo No. 18 lode
	Identical with Cor. No. 2 of the Detroit No. 6 lode, Cor. No. 3 of the Detroit No. 5 lode and Cor. No. 1 of the Novo No. 17 lode, all of this survey

Feet

- Set a granite rock 27x12x3 inches, 16 inches in the ground, for Cor. No. 1, marked N18-1-4168; D6-2-4168; D5-3-4168; N17-1-4168; from which
- The 1/4 Cor. between Secs. 14 and 15, T 4 S, R 29 E, G & S R B & M; an iron post 1 inch diameter, 12 inches above ground, firmly set, with brass cap, properly marked, bears S 5° 53' W 966.2 ft.
- 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 4.2 ft.
- A granite rock in place, 10x15 ins., 15 inches above ground, bears N 64° 22' W 40.9 ft. dist., marked BR X N18-1-4168
- A quartzite rock in place, 21x23 inches, 12 inches above ground, bears S 14° 41' E 27.45 ft. dist., marked BR X N18-1-4168
- Thence N 25° 00' W
- 306.8 Original location for the west end center, identical with the east end center of the Novo No. 17 lode of this survey, being a mound of rocks 3 feet high with 3 feet base
- 613.6 Cor. No. 2
- Identical with Cor. No. 4 of the Novo No. 11, Cors. Nos. 2 and 4 of Novo No. 12 and Novo No. 17 lodes, respectively of this survey
- Thence N 52° 53' E
- 202.0 Rock House Gulch, 30 feet wide, course southeasterly
- 1500.0 Cor. No. 3
- Identical with Cor. No. 3 of the Novo No. 11 lode of this survey and Cors. Nos. 2 and 3 of Novo No. 22 and Novo No. 23 lodes, respectively, of Survey No. 4166
- Thence S 25° 00' E
- 306.8 Original location for the east end center, identical with the west end center of Survey No. 4166 Novo No. 23 lode, being a mound of rocks 3 feet high with 3 feet base
- 613.6 Cor. No. 4
- Identical with Cor. No. 4 Survey No. 4165 Detroit No. 7 lode, Cor. No. 2, Survey No. 4166 Novo No. 23 lode and Cor. No. 3 of the Detroit No. 6 lode of this survey
- A granite rock, 7x16 inches, 9 inches above the ground; marked N18-4-4168; D6-3-4168
- Thence S 52° 53' W
- 1215.0 Cross Rock House Gulch, 30 feet wide, course southeasterly
- 1500.0 Cor. No. 1 and place of beginning.
- DETROIT NO. 6
- Beginning at Cor. No. 1 of the Detroit No. 6 lode
- Identical with Cor. No. 1 of the Detroit No. 8 lode

	<p>of this survey, and situated on line 3-4 of the Detroit No. 5 lode of this survey</p> <p>Set a quartzite rock 26x8x8 inches, 17 inches in the ground, for Cor. No. 1, marked D6-1-4168; D8-1-4168; from which</p> <p>The 1/4 Cor. between Secs. 14 and 15, T 4 S, R 29 E, G & S R B & M, previously described, bears S 41° 30' W 540.8 ft.</p> <p>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 4.0 ft.</p> <p>Thence N 25° 00' W</p>
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. 2
	<p>Identical with Cors. Nos. 1 of the Novo No. 17 and Novo No. 18 and Cor. No. 3 Detroit No. 5 lodes all of this survey</p> <p>Thence N 52° 53' E</p>
285.0	Cross Rock House Gulch, 30 feet wide, course southeasterly
1500.0	Cor. No. 3
	<p>Identical with Cor. No. 4 of the Novo No. 18 lode of this survey and Cor. No. 2 of Novo No. 23 of Survey No. 4166 and Cor. No. 4 of Detroit No. 7 of Survey No. 4165, Thence S 25° 00' E</p>
306.8	Original location for the east end center, identical with the west end center of Survey No. 4165, Detroit No. 7 lode, being a mound of rocks 3 feet high with 3 feet base
613.6	Cor. No. 4
	<p>Identical with Cor. No. 2 of the Detroit No. 8 lode of this survey and Cors. 3 and 4 of Survey No. 4165 Detroit No. 7 and Detroit No. 9 lodes, respectively</p> <p>A granite rock 10x10 inches, 10 inches above the ground, marked D6-4-4168; D8-2-4168</p> <p>Thence S 52° 53' W</p>
988.0	Cross Rock House Gulch, 30 feet wide, course southeasterly
1500.0	Cor. No. 1 and place of beginning.
	<p>DETROIT NO. 8</p> <p>Beginning at Cor. No. 1 of the Detroit No. 8 lode</p> <p>Identical with Cor. No. 1 of the Detroit No. 6 lode of this survey and situated on line 3-4 of the Detroit No. 5 lode of this survey</p> <p>Thence N 52° 53' E</p>
512.0	Cross Rock House Gulch, 30 feet wide, course southeasterly

- Feet
- 1500.0 Cor. No. 2
 Identical with Cor. No. 4 of the Detroit No. 6 lode of this survey and Cors. Nos. 3 and 4 of Detroit No. 7 and Detroit No. 9 lodes of Survey No. 4165
 Thence S 25° 00' E
- 306.8 Original location for the east end center, identical with the west end center of the Detroit No. 9 lode of Survey No. 4165, being a mound of rocks 3 feet high with 3 feet base
- 613.6 Cor. No. 3
 Identical with Cor. No. 3 of Survey No. 4165, Detroit No. 9 lode and situated on line 4-1 of Survey No. 4165 Detroit No. 2 lode
 a porphyry rock 7x11 inches, 11 inches above ground, marked D8-3-4168
 Thence S 52° 53' W
- 356.0 Cor. No. 4 of Survey No. 4165 Detroit No. 2 lode and Cor. No. 2 of the Detroit No. 10 lode of this survey
- 765.0 Cross Rock House Gulch, 35 feet wide, course southeasterly
- 1500.0 Cor. No. 4
 Identical with Cor. No. 4 of the Detroit No. 5 lode of this survey and situated on line 1-2 of the Detroit No. 10 lode of this survey
 Set a quartzite rock, 26x8x6 inches, 16 inches in the ground, for Cor. No. 4; marked D8-4-4168; D5-4-4168; from which
 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 3.2 ft.
 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. 1 and place of beginning.

DETROIT NO. 10

Beginning at Cor. No. 1 of the Detroit No. 10 lode
 Identical with Cor. No. 1 of the Detroit No. 11 lode, Cor. No. 2 of the Detroit No. 13 lode, Cor. No. 1 of the Detroit No. 5 lode, all of this survey
 Set a porphyry rock 6x6x27 inches, 18 inches in the ground for Cor. No. 1; marked D10-1-4168; D11-1-4168; D13-2-4168; D5-1-4168; from which
 The 1/4 Cor. between Secs. 14 and 15, T 4 S, R 29 E, G & S R B & M; previously described, bears N 42° 22' W 495.5 ft.
 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 4.5 ft.

Feet	
	<ul style="list-style-type: none"> ▲ quartzite rock in place 10x14 inches, 11 inches above ground, bears S 19° 39' E 35.8 ft., marked BR X D10-1-4168 ▲ quartzite rock in place 12x17 inches, 15 inches above ground, bears S 7° 41' E 46.6 ft., marked BR X D10-1-4168
	Thence N 52° 53' E
49.2	South end center of the Detroit No. 5 lode of this survey
356.0	Cor. No. 4 of the Detroit No. 5 lode of this survey and Cor. No. 4 of the Detroit No. 8 lode of this survey
1091.0	Cross Rock House Gulch, 35 feet wide, course southeasterly
1500.0	Cor. No. 2
	Identical with Cor. No. 4 of Survey No. 4165 Detroit No. 2 lode and situated on line 3-4 of the Detroit No. 8 lode of this survey
	A granite rock 7x7 inches, 10 inches above the ground, marked D10-2-4168
	Thence S 37° 07' E
300.0	Original location for the east end center, identical with the west end center of Survey No. 4165 Detroit No. 2 lode, being a mound of rocks 3 feet high with 3 feet base
600.0	Cor. No. 3
	Identical with Cor. No. 3 of Survey No. 4165 Detroit No. 2 lode and situated on line 1-2 of Survey No. 4167 Detroit No. 14 lode
	▲ diorite rock 5x12 inches, 9 inches above ground, marked D10-3-4168
	Thence S 52° 53' W
685.2	Cross Rock House Gulch, 40 feet wide, course southerly
1055.2	Cors. 1 and 3 of Survey No. 4167, Detroit No. 14 and Detroit No. 15 lodes, respectively
1500.0	Cor. No. 4
	Identical with Cor. No. 2 of the Detroit No. 11 lode of this survey and situated on line 2-3 of Survey No. 4167 Detroit No. 15 lode
	Set a sandstone rock, 25x8x8 inches, 16 inches in the ground, for Cor. No. 4; marked D10-4-4168; D11-2-4168; from which
	▲ a pine post, 4-feet long, 4 inches square, set 16 inches in the ground to bed rock, in a mound of rocks, bears N 52° 53' E 3.0 ft.
	▲ sandstone ledge, 30x40 inches, 25 inches above ground, bears N 9° 43' W 12.5 ft. dist., marked BR X D10-4-4168
	▲ sandstone ledge, 24x82 inches, 44 inches above ground, bears S 7° 41' E 8.95 ft. dist., marked

Feet

BR X D10-4-4168

Thence N 37° 07' W

300.0 Original location for the west end center, identical with the east end center of the Detroit No. 11 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. 5

beginning at Cor. No. 1 of the Detroit No. 5 lode

Identical with Cors Nos. 1 of the Detroit No. 10 and Detroit No. 11 lodes ~~of this survey~~ and Cor. No. 2 of Detroit No. 13 lode, all of this survey

The original location for the southwest corner, being a pine post, 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 12° 38' W 412.5 ft.

Thence N 37° 07' W

300.0 East end center of the Detroit No. 13 lode of this survey

600.0 Cor. No. 1 of the Detroit No. 13 lode and Cor. No. 1 of the Detroit No. 12 lode, both of this survey

900.0 East end center of the Detroit No. 12 lode of this survey

1200.0 Cor. No. 2

Identical with Cor. No. 4 of the Detroit No. 12 lode of this survey and situated on line 1-2 of the Novo No. 17 lode of this survey

Set a porphyry rock 26x11x5 inches, 17 inches in the ground, for Cor. No. 2, marked D5-2-4168; D12-4-4168; from which

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 4.0 ft.

a porphyry ledge, 14x22 inches, 8 inches above the ground, bears S 14° 33' W 34.2 ft., marked BR X D5-2-4168

Thence N 52° 53' E

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

613.6 Cor. No. 3

Identical with Cors Nos. 1 of the Novo No. 18 and Novo No. 17 and Cor. No. 2 of the Detroit No. 6 lodes, all of this survey

Thence S 25° 00' E

306.8 West end center of the Detroit No. 6 lode of this survey

613.6 Cor. No. 1 of the Detroit No. 6 lode and Cor. No. 1 of the Detroit No. 8 lode, both of this survey

920.4 West end center of the Detroit No. 8 lode of this survey

- Feet
1227.2 Cor. No. 4
- Identical with Cor. No. 4 of the Detroit No. 8 lode of this survey and situated on the 1-2 line of Detroit No. 10 lode of this survey,
Original location for the southeast corner, being 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 272.8 ft.
Thence S. 52° 53' W.
- 306.8 South end center, being a mound of rocks 3 feet high with 3 feet base, from which the original location for the south end center, being a mound of rocks 3 feet high with a 3 feet base, bears S 25° 00' E 272.8 ft.
- 356.0 Cor. No. 1 and place of beginning.
- NOVO NO. 4
- Beginning at Cor. No. 1 of the Novo No. 4 lode
- Identical with Cor. No. 1 of the Novo No. 6 lode of this survey and situated on line 4-1 of the Novo No. 5 lode of this survey
- Set a granite rock 26x9x7 inches, 16 inches in the ground for Cor. No. 1, marked N4-1-4168; N6-1-4168, from which
- The witness corner for the L/4 Cor. between Secs. 10 and 15, T 4 S, R 29 E, G & S R B & M; being an iron post, 1 inch diameter, 12 inches above ground, firmly set, with brass cap, properly marked, bears S 75° 51' E 707.85 ft.
- A pine post, 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears East 3.1 ft.
- A granite rock in place, 16x39 inches, 6 inches above ground, bears S 25° 00' E 9.5 ft., marked BR X N4-1-4168
- A granite ledge, 25x92 inches, 45 inches above ground, bears N 58° 11' E 5.3 ft., marked BR X N4-1-4168
- Thence N 25° 00' W
- 191.5 Cors. 4 and 1 of the Novo No. 5 lode and the Minnesota lode, both of this survey, respectively
- 301.2 Cor. No. 3 of the Magestral No. 2 lode of Survey No. 2709
- 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. 2
- Situated on line 2-3 of Survey No. 2709 Magestral No. 2 lode
- Set a granite rock, 27x10x8 inches, 17 inches in the ground for Cor. No. 2, marked N4-2-4168, from which
- A pine post, 4 feet long, 4 inches square, set 18

Feet	<p>inches in the ground in a mound of rocks bears N 87° 58' E 3.2 ft.</p> <p>A granite ledge, 25x31 inches, 80 inches above ground, bears N 52° 53' E 6.9 ft., marked BR X N4-2-4168</p> <p>A granite ledge, 23x25 inches, 42 inches above ground, bears S 25° 00' E 3.6 ft., marked BR X N4-2-4168</p> <p>Thence N 52° 53' E</p> <p>352.5 Cor. No. 4 of Survey No. 2709 Copper Slide lode and intersect line 4-1 of the Minnesota lode of this survey, at N 9° 47' E 604.05 ft. from Cor. No. 1</p> <p>952.5 Cors. 3 and 4 of Survey No. 2709, Copper Slide and Vallie View lodes, respectively</p> <p>1500.0 Cor. No. 3</p> <p>Identical with Cor. No. 4 of the Novo No. 19 lode of this survey and situated on the 3-4 line of the Vallie View Survey No. 2709</p> <p>Thence S 25° 00' E</p> <p>306.8 Original location for the east end center, identical with the west end center of the Novo No. 19 lode of this survey</p> <p>613.6 Cor. No. 4</p> <p>Identical with Cor. No. 3 of the Novo No. 19 and Cors. Nos. 2 and 4 of the Novo No. 6 and Novo No. 2 lodes, respectively, all of this survey</p> <p>Thence S 52° 53' W</p> <p>1500.0 Cor. No. 1 and place of beginning.</p> <p>NOVO NO. 6</p> <p>Beginning at Cor. No. 1 of the Novo No. 6 lode</p> <p>Identical with Cor. No. 1 of the Novo No. 4 lode of this survey and situated on the 4-1 line of Novo No. 5 lode of this survey</p> <p>Thence N 52° 53' E</p> <p>1500.0 Cor. No. 2</p> <p>Identical with Cor. No. 3 of the Novo No. 19 and Cors. Nos. 4 of the Novo No. 4 and Novo No. 2 lodes, all of this survey</p> <p>Thence S 25° 00' E</p> <p>306.8 Original location for the east end center, identical with the west end center of the Novo No. 2 lode of this survey</p> <p>613.6 Cor. No. 3</p> <p>Identical with Cor. No. 3 of the Novo No. 2 and Cors. Nos. 2 of the Novo No. 8 and Novo No. 1 lodes, all of this survey</p> <p>Thence S 52° 53' W</p> <p>1478.85 Cor. No. 1 of the Novo No. 8 lode of this survey also intersect line 4-1 of Survey No. 2974 King Bolt lode at S 30° 53' E 201.72 ft. from Cor. No. 4</p>
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1500.0	Cor. No. 4	<p>Mark a cross on granite ledge for exact corner, ledge 44x74 inches, 12 inches above ground, marked x N6-4-4168; from which</p> <p>A granite ledge, 42x97 inches 11 inches above ground bears N 77° 28' E 9.0 ft. dist., marked BR X'N6-4-4168</p> <p>A pine post 4 feet long, 4 inches square, set on bed rock in a mound of rocks bears S 25° 00' E 4.8 ft.</p> <p>Thence N 25° 00' W</p>
205.1	Cors. 4 and 1, of Survey No. 2974 King Bolt lode and Novo No. 5 lode of this survey, respectively	
306.8	Original location for the west end center, being a mound of rocks 3 feet high with 3 feet base	
505.1	East end center of the Novo No. 5 lode of this survey	
613.6	Cor. No. 1 and place of beginning.	
		<p>NOVO NO. 8</p> <p>Beginning at Cor. No. 1 of the Novo No. 8 lode</p> <p>Situated on line 3-4 of the Novo No. 6 lode of this survey</p> <p>Mark a cross on granite ledge for exact corner, ledge 23x85 inches, 6 inches above ground, marked x N8-1-4168; from which</p> <p>The witness corner for the 1/4 Cor. between Secs. 10 and 15, T 4 S, R 29 E, G & S R B & M, previously described, bears N 49° 22' E 532.0 ft.</p> <p>The original location for the northwest corner, identical with Cor. No. 4 of the Novo No. 6 lode of this survey bears S 52° 53' W 21.15 ft.</p> <p>Thence N 52° 53' E</p>
1478.85	Cor. No. 2	<p>Identical with Cors. Nos. 3 of the Novo No. 2 and Novo No. 6 and Cor. No. 2 of the Novo No. 1 lodes of this survey</p> <p>Thence S 25° 00' E</p>
306.8	Original location for the east end center, identical with the west end center of the Novo No. 1 lode of this survey	
613.6	Cor. No. 3	<p>Identical with Cors. Nos. 1 of the Novo No. 7 and 9 lodes of this survey</p> <p>Thence S 52° 53' W</p>
1167.03	Intersect line 3-4 of Survey No. 3012 Chulo Visto lode at N 70° 45' W 106.35 ft. from Cor. No. 4	
1478.85	Cor. No. 4	

Feet

Situated on line 4-1 of the Novo No. 7 lode of this survey

Set a porphyry rock, 26x11x7 inches, 16 inches in the ground for Cor. No. 4; marked N8-4-4168; from which

The original location for the southwest corner, identical with Cor. No. 4 of the Novo No. 7 lode of this survey, bears S 52° 53' W 21.15 ft.

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 11.15 ft.

A granite ledge, 32 x 43 inches, 9 inches above ground, bears S 38° 50' E 28.5 ft., marked BR X N8-4-4168

A granite ledge, 22x77 inches, 39 inches above ground, bears N 52° 53' E 30.3 ft., marked BR X N8-4-4168

Thence N 25° 00' W

227.2 Intersect line 1-2 of Survey No. 2974 King Bolt lode at S 78° 27' W 41.98 ft. from Cor. No. 1

306.8 West end center, being a mound of rocks, 3 feet high with 3 feet base. The original location for the west end center, being a mound of rocks, 3 feet high with 3 feet base, bears S 52° 53' W 21.15 ft.

362.5 Intersect line 3-4 of Survey No. 3012 Chulo Visto lode at N 70° 45' W 531.99 ft. from Cor. No. 4. The intersection of line 3-4 of Survey No. 3012 Chulo Visto lode and line 4-1 of Survey No. 2974 King Bolt lode bears S 70° 45' E 40.15 ft. from this point.

613.6 Cor. No. 1 and place of beginning.

Thence N 52° 53' E
Novo No. 7

Beginning at Cor. No. 1 of the Novo No. 7 lode

Identical with Cors. Nos. 1 of the Novo No. 1 and Novo No. 9 lodes and Cor. No. 3 of the Novo No. 8 lode, all of this survey;

Thence S 25° 00' E

306.8 Original location for the east end center, identical with the west end center of the Novo No. 9 lode of this survey

613.6 Cor. No. 2

Identical with Cor. No. 4 of the Novo No. 2 and Cors. Nos. 1 of the Novo No. 12 and Novo No. 11 lodes, all of this survey

Thence S 52° 53' W

1500.0 Cor. No. 3

Identical with Cor. No. 4 of the Novo No. 12 lode of this survey and situated on line 4-1 of the Novo No. 13 lode of this survey

Set a quartzite rock 30x9x6 inches, 11 inches in

Feet	
	the ground to bed rock, for Cor. No. 3; marked N7-3-4168; from which
	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 4.3 ft.
	A quartzite ledge, 37x57 inches, 83 inches above ground, bears S 83° 33' W 14.54 ft., marked BR X N7-3-4168
	A quartzite ledge, 63x112 inches, 82 inches above ground, bears S 5° 46' E 17.2 ft. dist., marked BR X N7-3-4168
	Thence N 25° 00' W
196.9	Intersect line 4-1 of Survey No. 3012 Chulo Visto lode at S 19° 15' W 575.7 ft. from Cor. No. 4
233.4	Cor. No. 4 of the Novo No. 13 lode of this survey
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 Set a quartzite rock 28x10x4 inches, 16 inches in the ground, for Cor. No. 4; marked N7-4-4168; from which 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 10.0 ft. A quartzite ledge, 18x50 inches, 39 inches above ground, bears S 80° 47' W 35.9 ft., marked BR X N7-4-4168 A quartzite ledge, 35x78 inches, 4 inches above the ground, bears S 2° 54' E 27.85 ft., marked BR X N7-4-4168 Thence N 52° 53' E
21.15	Cor. No. 4 of the Novo No. 8 lode of this survey
332.97	Intersect line 3-4 of Survey No. 3012 Chulo Visto lode at N 70° 45' W 106.35 ft. from Cor. No. 4
1500.0	Cor. No. 1 and place of beginning.
	NOVO NO. 12 Beginning at Cor. No. 1 of the Novo No. 12 lode Identical with Cor. No. 1 of the Novo No. 11 lode, Cors. Nos. 2 and 4 of Novo No. 7 and Novo No. 9 lodes, respectively, all of this survey Thence S 25° 00' E
306.8	Original location for the east end center, identical with the west end center of the Novo No. 11 lode of this survey
613.6	Cor. No. 2 Identical with Cors. Nos. 4 of the Novo No. 11 and Novo No. 17 and Cor. No. 2 of the Novo No. 18 lodes, all of this survey

	Thence S 52° 53' W
1500.0	Cor. No. 3 Identical with Cor. No. 3 of the Novo No. 17 lode of this survey and situated on line 4-1 of the Detroit No. 1 lode of this survey Set a quartzite rock 28x12x7 inches, 17 inches in the ground, for Cor. No. 3; marked N12-3-4168; N17-3-4168; from which 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 4.35 ft. A quartzite ledge, 6x37 inches, 26 inches above ground, bears N 25° 00' W 5.9 ft., marked BR X N12-3-4168 A quartzite ledge, 12x44 inches, 14 inches above ground, bears N 89° 44' W 11.5 ft., marked BR X N12-3-4168
	Thence N 25° 00' W
230.2	Cor. No. 1 of the Novo No. 13 lode of this survey
306.8	Original location for the west end center, being a mound of rocks 3 feet high with 3 feet base
433.92	Cor. No. 4 of the Detroit No. 1 lode of this survey
538.6	East end center of the Novo No. 13 lode of this survey
613.6	Cor. No. 4 Identical with Cor. No. 3 of the Novo No. 7 lode of this survey and situated on the 4-1 line of the Novo No. 13 lode of this survey Thence N 52° 53' E
1500.0	Cor. No. 1 and place of beginning.
	NOVO NO. 17
	Beginning at Cor. No. 1 of the Novo No. 17 lode Identical with Cor. No. 1 of the Novo No. 18, Cors. Nos. 2 and 3 of the Detroit No. 6 and Detroit No. 5 lodes, all of this survey Thence S 52° 53' W
306.8	North end center of the Detroit No. 5 lode of this survey
613.6	Cor. No. 2 of the Detroit No. 5 lode of this survey and Cor. No. 4 of the Detroit No. 12 lode of this survey
1500.0	Cor. No. 2 Identical with Cor. No. 1 of the Detroit No. 1 lode of this survey and situated on line 3-4 of the Detroit No. 12 lode of this survey Mark a cross on a quartzite rock in place, 14x16 inches, 14 inches above ground, for Cor. No. 2, marked N17-2-4168; D1-1-4168; from which A pine post 4 feet long, 4 inches square, set 18

Feet

inches in the ground in a mound of rocks, bears S 52° 53' W 3.3 ft.

A quartzite ledge, 24x38 inches, 19 inches above ground, bears N 77° 08' E 35.2 ft., marked BR X NI7-2-4168

A quartzite ledge, 14x25 inches, 19 inches above ground, bears S 88° 53' W 15.3 ft., marked BR X NI7-2-4168

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. 3

Identical with Cor. No. 3 of the Novo No. 12 lode of this survey and situated on the 4-1 line of Detroit No. 1 lode of this survey

Thence N 52° 53' E

1500.0 Cor. No. 4

Identical with Cor. No. 4 of the Novo No. 11 and Cors. Nos. 2 of the Novo No. 12 and Novo No. 18 lodes, all of this survey

Thence S 25° 00' E

306.8 Original location for the east end center, identical with the west end center of the Novo No. 18 lode of this survey

613.6 Cor. No. 1 and place of beginning.

MINNESOTA

Beginning at Cor. No. 1 of the Minnesota lode

Identical with Cor. No. 4 of the Novo No. 5 lode of this survey and situated on line 1-2 of the Novo No. 4 lode of this survey

A section of granite ledge 7x23 inches in the easterly face of a tall spire, marked for Cor. No. 1, marked M-1-4168; N5-4-4168; from which

The witness corner for the 1/4 Cor. between Secs. 10 and 15, T 4 S, R 29 E, G & S R B & M, previously described bears S 64° 02' E 846.2 ft.

A pine post 4 feet long, 4 inches square, set on bed rock in a mound of rocks, bears East 4.4 ft.

A granite ledge, 9x27 inches, 70 inches above ground, bears N 68° 32' E 9.3 ft., marked BR X M-1-4168

A granite ledge, 22x34 inches, 18 inches above ground, bears N 25° 00' W 10.4 ft., marked BR X M-1-4168

Original location for the Southeast cor. being a mound of rocks 3 feet high with 3 feet base, bears S 63° 23' E. 286.4 ft.

Thence S. 51° 46' W.

65.0 South end center, being a mound of stones 3 feet high with 3 feet base, from which the original location

Feet

- for the south end center, being a mound of rocks 3 feet high with 3 feet base, bears S 4° 08' E 110.0 ft.
- 203.4 Cor. No. 2
- Set a granite rock, 27x10x6 inches, 17 inches in the ground for Cor. No. 2, marked M-2-4168; from which
- A granite ledge, 15x29 inches, 14 inches above the ground, bears S 42° 25' E 13.4 ft., marked BR X M-2-4168
- A granite ledge, 23x46 inches, 16 inches above the ground, bears N 35° 57' E 12.25 ft., marked BR X M-2-4168
- The original location for the southwest corner, being a mound of rocks 3 feet high with 3 feet base bears S 75° 57' W 188.2 ft.
- Thence N 10° 31' W
- 91.33 Intersect line 3-4 of Survey No. 2709 Magestral No. 2 lode at S 43° 50' W 187.8 ft. from Cor. No. 3; also intersect line 3-4 of the Novo No. 5 lode of this survey at S 78° 27' W 180.08 ft. from Cor. No. 4
- 580.1 Cor. No. 3
- Identical with Cor. No. 4 of Survey No. 2709 Copper Head No. 2 lode
- A pine post, 4 inches square, set firmly in the ground in a mound of rocks, scribed CH2-4-2709; M-3-4168; from which
- The original location for the northwest corner, being a mound of rocks 3 feet high with 3 feet base, bears N 12° 29' W 901.2 ft.
- Thence N 51° 46' E
- 54.32 Intersect line 2-3 of Survey No. 2709 Magestral No. 2 lode at N 25° 00' W 417.87 ft. from Cor. No. 3
- 204.2 North end center, being a mound of rocks 3 feet high with 3 feet base, from which the original location for the north end center, being a mound of rocks 3 feet high with 3 feet base bears N 4° 08' W 777.3 ft.
- 357.5 Intersect line 4-1 of Survey No. 2709 Copper Slide lode at N 51° 10' W 112.3 ft. from Cor. No. 4
- 504.2 Cor. No. 4
- Situated on line 3-4 of Survey No. 2709 Copper Head No. 2 lode at S 51° 46' W 111.4 ft. from Cor. No. 3
- Set a granite rock, 26x9x8 inches, 16 inches in the ground, for Cor. No. 4, marked M-4-4168; from which
- The original location for the northeast corner being a mound of rocks 3 feet high with 3 feet base, bears N 0° 42' E 611.2 ft.
- A granite ledge, 34x48 inches, 17 inches above the ground, bears N 12° 48' E 34.7 ft., marked BR X M-4-4168
- A granite ledge, 32x104 inches, 28 inches above the ground bears N 34° 17' W 33.6 ft., marked BR X M-4-4168

	Feet	
		Thence S 9° 47' W
163.65	To Cor. No. 4 of Survey No. 2709 Copper Slide lode; also intersect line 2-3 of the Novo No. 4 lode of this survey at N 52° 53' E 352.5 ft. from Cor. No. 2	
767.7	Cor. No. 1 and place of beginning.	
		NOVO NO. 5
	Beginning at Cor. No. 1 of the Novo No. 5 lode	
	Situated on line 4-1 of the Novo No. 6 lode of this survey, and identical with Cor. No. 4 of the King Bolt lode, Survey No. 2974	
	A pine post, 4 x 6 inches in size, firmly set in the ground in a mound of rocks, marked KB-4-2974; N5-1-4168; from which	
	The witness corner for the 1/4 Cor. between Secs. 10 and 15, T 4 S, R 29 E, G & S R B & M, previously described, bears N 71° 08' E 536.1 ft.	
	A granite ledge, 25x57 inches, 63 inches above the ground, bears S 25° 00' E 18.5 ft., marked BR X N5-1-4168	
	A granite ledge; 35x83 inches, 31 inches above the ground, bears N 25° 00' W 12.0 ft., marked BR X N5-1-4168	
		Thence S 78° 27' W
1165.0	Cor. No. 2	
	Situated at intersection of line 3-4 of Survey No. 2974 King Bolt lode and line 3-4 of Survey No. 2709 Magestral No. 2 lode at S 43° 50' W 1215.1 ft. from Cor. No. 3 of Survey No. 2709 Magestral No. 2 lode	
	Set a granite rock, 26x8x6 inches, 16 inches in the ground, for Cor. No. 2, marked N5-2-4168; from which	
	The original location for the southwest corner, identical with Cor. No. 3 of Survey No. 2974 King Bolt lode bears S 78° 27' W 266.8 ft.	
	A mound of rocks 3 feet high with 3 feet base. bears Southerly 4.0 ft.	
	A granite ledge 20x30 inches, 21 inches above the ground, bears N 25° 00' W 10.1 ft., marked BR X N5-2-4168	
	A granite ledge, 25x31 inches, 41 inches above the ground, bears S 62° 10' W 7.8 ft., marked BR X N5-2-4168	
		Thence N 25° 00' W
300.0	West end center, being a mound of rocks 3 feet high with 3 feet base, from which the original location for the west end center being a mound of rocks 3 feet high with 3 feet base bears S 78° 27' W 266.8 ft.	
600.0	Cor. No. 3	
	Mark a cross on a granite ledge for exact corner, ledge is 15x27 inches, 9 inches above the surrounding	

Feet

surface, for Cor. No. 3, marked N5-3-4168; from which

A granite ledge, 19x56 inches, 20 inches above the ground, bears S 54° 25' E 34.4 ft., marked BR X N5-3-4168

A pine post, 4 inches square, 4 feet long, set on bed-rock in a mound of rocks, bears N 89° 58' W 3.0 ft.

The original location for the northwest corner, being a pine post 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 78° 27' W 266.8 ft.

Thence N 78° 27' E

984.92 Intersect line 3-4 of Survey No. 2709 Magestral No. 2 lode at S 43° 50' W 187.8 ft. from Cor. No. 3; also intersect line 2-3 of the Minnesota lode of this survey at N 10° 31' W 91.33 ft. from Cor. No. 2

1165.0 Cor. No. 4

Identical with Cor. No. 1 of the Minnesota lode of this survey and situated on the 1-2 line of Novo No. 4 lode of this survey

Thence S 25° 00' E

191.5 Cor. No. 1 of the Novo No. 4 lode of this survey, and Cor. No. 1 of the Novo No. 6 lode of this survey

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

498.3 West end center of the Novo No. 6 lode of this survey

600.0 Cor. No. 1 and place of beginning

NOVO NO. 16

Beginning at Cor. No. 1 of the Novo No. 16

Situated on line 1-2 of Survey No. 2974 King Bolt lode

Set a quartzite rock, 27x9x6 inches, 18 inches in the ground for Cor. No. 1, marked N16-1-4168; from which

The witness corner for the 1/4 Cor. between Secs. 10 and 15, T 4 S, R 29 E, G & S R B & M, bears N 26° 24' E 804.51 ft.

A monument of rocks 3 feet high with 3 feet base bears S 78° 27' W 3.7 ft.

The original location for the north east corner, being a pine post, identical with Cor. No. 1 of Survey No. 2974 King Bolt lode, bears N 78° 27' E 161.7 ft.

A porphyry ledge, 25x63 inches, 38 inches above the ground, bears S 78° 27' W 16.95 ft., marked BR X N16-1-4168

A porphyry ledge, 19x58 inches, 25 inches above ground, bears N 60° 49' W 10.0 ft., marked BR X N16-1-4168

Thence S 25° 00' E

Feet 308.4	East end center, being a mound of rocks, 3 feet high with 3 feet base, from which the original location for the east end center, being a mound of rocks 3 feet high with 3 feet base, bears N 78° 27' E 161.7 ft.
616.8	Cor. No. 2 Situating at intersection of line 1-2 of Survey No. 3012 Chulo Visto lode and line 3-4 of the Novo No. 13 lode of this survey Set a granite rock 25x7x4 inches, 15 inches in the ground to bed rock, for Cor. No. 2, marked N16-2-4168; from which Cor. No. 4 of the Novo No. 13 lode of this survey bears N 78° 27' E 98.5 ft. The original location for the southeast corner, being a pine post, 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks bears N 78° 27' E 161.7 ft. Cor. No. 1 of Survey No. 3012 Chulo Visto lode bears S 79° 45' E 110.1 ft. Cor. No. 2 of Survey No. 3012 Chulo Visto lode bears N 70° 45' W 1171.4 ft. A granite ledge, 18x34 inches, 63 inches above ground, bears N 89° 33' W 7.3 ft. marked BR X N16-2-4168 A granite ledge 22x81 inches, 23 inches above ground, bears N 3° 41' W 9.9 ft., marked BR X N16-2-4168 Thence S 78° 27' W
892.86	Intersect line 1-2 of the Novo No. 14 lode of this survey, at S 59° 51' E 355.79 ft. from Cor. No. 1
1270.1	Cor. No. 3 Identical with Cor. No. 3 of the Novo No. 13 lode of this survey Set a granite rock, 29x8x7 inches, 20 inches in the ground, for Cor. No. 3, marked N16-3-4168; N13-3-4168; from which A granite ledge, 33x44 inches, 17 inches above the ground, bears S 25° 00' E 26.5 ft., marked BR X N16-3-4168 A granite ledge, 56x67 inches 19 inches above the ground, bears N 25° 00' W 33.7 ft., marked BR X N16-3-4168 Thence N 25° 00' W
199.38	Intersect line 4-1 of the Novo No. 14 lode of this survey at S 63° 18' W 163.65 ft. from Cor. No. 1
308.4	Original location for the west end, center, being a mound of rocks, 3 feet high with 3 feet base
608.32	Intersect line 1-2 of Survey No. 2887, Utah lode at S 61° 30' W 0.87 ft.
616.8	Cor. No. 4

Feet

Identical with Cor. No. 2 of Survey No. 2974 King Bolt lode, a pine post, 4 inches square, set in the ground in a mound of rocks; marked KB-2-2974; N16-4-4168; from which

Cor. No. 1 of Survey No. 2887 Utah lode bears S 30° 53' E 8.47 ft.

Cor. No. 4 of Survey No. 2887 Utah lode bears N 30° 53' W 2.33 ft.

A porphyry ledge, 5x31 inches, 62 inches above the ground; bears N 52° 55' E 11.3 ft., marked BR X N16-4-4168

A porphyry ledge, 7x29 inches 37 inches above the ground; bears S 73° 00' E 11.9 ft., marked BR X N16-4-4168

Thence N 78° 27' E

407.3 Cor. No. 2 of Survey No. 3012 Chulo Visto lode

1270.1 Cor. No. 1 and place of beginning.

NOVO NO. 13

Beginning at Cor. No. 1 of the Novo No. 13 lode

Situated on line 3-4 of the Novo No. 12 lode and line 4-1 of the Detroit No. 1 lode, both of this survey

On quartzite bedrock outcrop, even with general surface, point for Cor. No. 1, marked N13-1-4168 X from which

The 1/4 Cor. between Secs. 14 and 15, T 4 S, R 29 E, G. & S R B & M, previously described, bears S 60° 33' E 1669.3 ft.

A granite ledge, 25x33 inches, 15 inches above ground, bears S 25° 00' E 3.78 ft., marked BR X N13-1-4168

A quartzite ledge, 38x73 inches, 50 inches above ground bears N 25° 00' W 13.67 ft., marked BR X N13-1-4168

A monument of rocks, 3 feet high with 3 feet base bears N 78° 27' E 3.5 ft.

The original location for the southeast corner, being a pine post, 4 feet long, 4 inches square, set 12 inches in the ground to bed rock, in a mound of rocks, bears N 78° 27' E 63.2 ft.

Thence S 78° 27' W

461.55 Intersect line 3-4 of the Detroit No. 1 lode of this survey at S 52° 53' W 459.1 ft. from Cor. No. 4; also intersect line 1-2 of the Novo No. 14 lode of this survey at N 59° 51' W 242.44 ft. from Cor. No. 2

1358.55 Intersect lines 3-4 and 4-1 of Novo No. 14 lode of this survey and Survey No. 2887 Ajax lode at N 59° 51' W 522.68 ft. from Cor. No. 3 of the Novo No. 14 lode of this survey and Cor. No. 1 of Survey No. 2887 Ajax lode

1361.1 East edge of the Coronado Trail, road, 15 feet wide,

Feet	
	bears northwesterly
1368.6	Cor. No. 2 This corner falls in the center of the Coronado Trail, where a permanent monument can not be established, an iron pin, 1 inch diameter, 18 inches long was driven in flush with surface of road for exact corner; from this point A granite ledge 26x53 inches, 25 inches above the ground bears N 81° 43' W 18.8 ft., marked BR X N13-2-4168 A granite ledge 14x18 inches, 6 inches above the ground, bears N 59° 44' E 9.0 ft., marked BR X N13-2-4168 Thence N 25° 00' W
11.72	Intersect lines 3-4 of Novo No. 14 lode of this survey and 4-1 of Survey No. 2887 Ajax lode at N 59° 51' W 539.82 ft. from Cor. No. 3 of the Novo No. 14 lode and Cor. No. 1 of the Ajax lode
12.5	East edge of the Coronado Trail
67.67	A quartzite rock, 25x6x6 inches, set 17 inches in the ground, for witness Corner No. 2, marked X WC N13-2-4168; from which A pine post 4 feet long, 4 inches square, set 18 inches in the ground, in a mound of rocks, bears S 65° 00' E 14.3 ft.
308.4	Original location for the west end center, being a mound of rocks 3 feet high with 3 feet base
616.8	Cor. No. 3 Identical with Cor. No. 3 of the Novo No. 16 lode of this survey Thence N 78° 27' E
377.24	Intersect line 1-2 of the Novo No. 14 lode of this survey at S 59° 51' E 355.79 ft. from Cor. No. 1
1270.1	Cor. No. 2 of the Novo No. 16 lode of this survey; also intersect line 1-2 of Survey No. 3012 Chulo Visto lode at N 70° 45' W 110.1 ft. from Cor. No. 1
1368.6	Cor. No. 4 Situated on line 3-4 of the Novo No. 7 lode of this survey Mark a cross on a granite bedrock outcrop, even with the general surface, face is 90x110 inches, for Cor. No. 4, marked X N13-4-4168; from which The original location for the northeast corner, being a pine post, 4 feet long, 4 inches square, set 18 inches in the ground, bears N 78° 27' E 63.2 ft. A monument of rocks 3 feet high with 3 feet base bears S 78° 27' W 7.7 ft. A granite ledge 39x66 inches, 13 inches above the ground, bears S 0° 27' W 18.36 ft., marked BR X

Feet

N13-4-4168

- A granite ledge, 48x69 inches, 19 inches above the ground, bears S 53° 00' E 20.55 ft., marked BR X N13-4-4168
- Thence S 25° 00' E
- 36.5 Intersect line 4-1 of Survey No. 3012 Chulo Visto lode at N 19° 15' E 24.3 ft. from Cor. No. 1
- 233.4 Cors. 3 and 4 of the Novo No. 7 lode and the Novo No. 12 lode, both of this survey, respectively
- 308.4 East end center, being a mound of rocks, 3 feet high with 3 feet base, from which the original location for the east end center, being a mound of rocks 3 feet high with 3 feet base, bears N 78° 27' E 63.2 ft.
- 413.08 Cor. No. 4 of the Detroit No. 1 lode of this survey
- 540.2 West end center of the Novo No. 12 lode of this survey
- 616.8 Cor. No. 1 and place of beginning.

DETROIT NO. 11

Beginning at Cor. No. 1 of the Detroit No. 1 lode

Identical with Cor. No. 2 of the Novo No. 17 lode and situated on line 3-4 of Detroit No. 12 lode of this survey, from which

The 1/4 Cor. between Secs. 14 and 15, T 4 S, R 29 E, G & S R. B & M, previously described, bears S 87° 05' E 1098.4 ft.

Thence S 52° 53' W

- 306.8 Original location for the south end center, being a mound of rocks 3 feet high with 3 feet base
- 469.6 East edge of Coronado Trail
- 472.6 Cor. No. 3 of the Detroit No. 12 lode of this survey
- 482.3 West edge of the Coronado Trail
- 563.0 Center of Chase Creek, 40 feet wide, course southerly
- 613.6 Cor. No. 2
- Set a granite rock, 26x8x7 inches, 16 inches in the ground for Cor. No. 2, marked D1-2-4168; from which
- A monument of rocks, 3 feet high with 3 feet base bears N 52° 53' E 4.0 ft.
- A granite ledge, 34x34 inches, 129 inches above the ground, bears S 65° 34' E 76.3 ft., marked BR X D1-2-4168
- A granite rock in place, 14x45 inches, 35 inches above ground, bears N 76° 37' W 46.5 ft., marked BR X D1-2-4168
- Thence N 25° 00' W
- 108.0 Center of Chase Creek, 40 feet wide, course southeasterly

See Amended Field Notes hereto attached, for Detroit's Nos. 1, 11 and 12 lodes

See Amended Field Notes hereto attached, for Details Nos. 1, 11 and 12 lodes.

Feet	
134.0	Center of Coronado Trail, road, 15 feet wide, bears southeasterly
531.87	Intersect east side line of unsurveyed Arrowhead lode at S 30° 04' W 271.51 ft. from the northeast corner
807.0	Intersect north end line of unsurveyed Arrowhead lode at N 26° 48' W 252.85 ft. from the northeast corner
872.4	Intersect line 2-3 of the Novo-No. 14 lode of this survey at S 65° 18' W 289.72 ft. from Cor. No. 2
1047.52	Cor. No. 3 Set a porphyry rock, 25x10x8 inches, 16 inches in the ground for Cor. No. 3, marked D1-3-4168; from which A monument of rocks 3 feet high with 3 feet base bears N 25° 00' W 4.6 ft. A porphyry rock in place, 84x85 inches, .37 inches above ground, bears S 10° 27' E 75.65 ft., marked BR X D1-3-4168 A porphyry rock in place, 21x31 inches, .28 inches above ground, bears N 51° 35' W 33.4 ft., marked BR X D1-3-4168 I Original location for the northwest corner, being a pine post 4 feet long, 4 inches square, set 10 inches in the ground to bedrock, in a mound of rocks, bears N 25° 00' W 452.48 ft. Thence N 52° 53' E
154.5	Intersect line 1-2 of the Novo No. 13 lode of this survey at S 78° 27' W 461.53 ft. from Cor. No. 1; also intersect line 1-2 of the Novo No. 14 lode of this survey at N 59° 51' W 242.44 ft. from Cor. No. 2
306.8	North end center, being a mound of rocks 3 feet high with 3 feet base, from which the original location for the north end center, being a mound of rocks 3 feet high with 3 feet base bears N 25° 00' W 452.48 ft.
613.6	Cor. No. 4 Situated on line 3-4 of the Novo No. 12 lode of this survey Set a quartzite rock 24x8x8 inches, 16 inches in the ground for Cor. No. 4, marked D1-4-4168; from which A monument of rocks 3 feet high with 3 feet base bears S 25° 00' E 4.0 ft. The original location for the northeast corner, being a pine post, 4 feet long, 4 inches square, set 14 inches in the ground to bedrock, in a mound of rocks, bears N 25° 00' W 452.48 ft. A quartzite ledge, 66x77 inches, 52 inches above ground, bears S 74° 39' W 48.05 ft., marked BR X D1-4-4168 A quartzite ledge, 26x32 inches, 61 inches above ground, bears S 85° 14' E 23.5 ft., marked BR X D1-4-4168 Thence S 25° 00' E

Feet	
127.12	West end center of the Novo No. 12 lode of this survey
203.72	Cor. No. 1 of the Novo No. 13 lode of this survey
433.92	Cors. Nos. 3 of the Novo No. 12 and the Novo No. 17 lodes, both of this survey, respectively
740.72	West end center of the Novo No. 17 lode of this survey
1047.52	Cor. No. 1 and place of beginning.

See marginal
note page 26

NOVO NO. 14

Beginning at Cor. No. 1 of the Novo No. 14 lode

A porphyry ledge, 6x25 inches, 42 inches above ground, point for Cor. No. 1, marked x N14-1-4168; from which

The witness corner for the 1/4 Cor. between Secs. 10 and 15, T 4 S, R 29 E, G & S R B & M, previously described, bears N 45° 00' E 1809.63 ft.

A pine post, 4 feet long, 4 inches square, set 18 inches in the ground in a mound of rocks, bears S 63° 18' W 2.5 ft.

A porphyry ledge, 4x37 inches, 74 inches above the ground, bears N 41° 35' E 4.7 ft., marked BR X N14-1-4168

A porphyry ledge, 12x73 inches, 99 inches above the ground, bears S 78° 21' W 6.0 ft. marked BR X, N14-1-4168

Thence S 59° 51' E

355.79	Intersect line 2-3 of the Novo No. 16 lode of this survey at N 78° 27' E 377.24 ft. from Cor. No. 3; also intersect line 3-4 of the Novo No. 13 lode of this survey, at N 78° 27' E 377.24 ft. from Cor. No. 3.
1257.56	Intersect line 1-2 of the Novo No. 13 lode of this survey at N 78° 27' E 907.07 ft. from Cor. No. 2, also intersect line 3-4 of the Detroit No. 1 lode of this survey at N 52° 53' E 154.5 ft. from Cor. No. 3
1500.0	Cor. No. 2 Set a quartzite rock 30x7x6 inches, 21 inches in the ground for Cor. No. 2, marked N14-2-4168; from which A pine post, 4 feet long, 4 inches square, set 14 inches in the ground to bedrock in a mound of rocks, bears S 63° 18' W 3.4 ft. A quartzite ledge, 29x39 inches, 18 inches above ground, bears N 43° 55' W 7.7 ft., marked BR X, N14-2-4168 A quartzite ledge, 51x90 inches, 85 inches above ground, bears N 13° 01' W 44.5 ft., marked BR X, N14-2-4168 Thence S 63° 18' W
289.72	Intersect line 2-3 of the Detroit No. 1 lode of this survey at S 25° 00' E 175.12 ft. from Cor. No. 3

Feet	
356.5	Original location for the south end center, being a mound of rocks, 3 feet high with 3 feet base
405.35	Intersect north line of the Arrowhead lode, unsurveyed, at S 86° 48' E 208.6 ft. from the northwest corner
713.0	Cor. No. 3
	Identical with Cor. No. 1 of Survey No. 2887 Ajax lode
	A pine post, 4x6 inches in size, set in a mound of rocks, firmly, marked SE COR AJAX; N14-3-4168; from which
	The northwest corner of the Arrowhead lode, unsurveyed, being a pine post firmly set, marked NWC AH bears N 23° 57' E 164.0 ft.
	A quartzite ledge, 29x46 inches, 18 inches above ground, bears N 9° 22' E 17.3 ft., marked BR X N14-3-4168
	A quartzite ledge, 20x32 inches, 15 inches above ground, bears N 25° 14' W 8.3 ft. marked BR X N14-3-4168
	Thence N 59° 51' W
522.68	Intersect line 1-2 of the Novo No. 13 lode of this survey at N 78° 27' E 10.07 ft. from Cor. No. 2
539.82	Intersect line 2-3 of the Novo No. 13 lode of this survey at N 25° 00' W 11.72 ft. from Cor. No. 2
590.0	Center of Coronado Trail, road 15 feet wide, bears southeasterly
1260.0	Center of Chase Creek, 40 feet wide, course southwesterly
1370.0	Cross tunnel of railroad, 15x15-foot in size, course N 1° 30' E
1500.0	Cor. No. 4
	Identical with Cor. No. 4 of Survey No. 2887 Ajax lode,
	A redwood post, 4x6 inches in size, firmly set in the ground in a mound of rocks, marked A-4-2887; N14-4-4168; from which
	A granite ledge 33x58 inches, 25 inches above the ground, bears N 33° 39' W 14.7 ft., marked BR X N14-4-4168
	A granite ledge, 20x43 inches, 21 inches above the ground, bears S 46° 40' W 8.0 ft., marked BR X N14-4-4168
	Thence N 63° 18' E
130.0	Cross railroad tunnel, 15x15 feet in size, course N 1° 30' E
356.5	Original location for the north end center, being a mound of rocks, 3 feet high with 3 feet base
400.0	Center of Chase Creek, 40 feet wide, course southerly
525.0	Center of Coronado Trail, road 15 feet wide, bears southerly

Feet

549.35 Intersect line 3-4 of the Novo No. 16 lode of this survey at N 25° 00' W 199.38 ft. from Cor. No. 3

713.0 Cor. No. 1 and place of beginning.

DETROIT NO. 12

Beginning at Cor. No. 1 of the Detroit No. 12 lode

Identical with Cor. No. 1 of the Detroit No. 13 lode of this survey and situated on line 1-2 of the Detroit No. 5 lode of this survey; where I

Set a granite rock 26x11x8 inches, 16 inches in the ground, for Cor. No. 1, marked D12-1-4168; D13-1-4168; from which

The 1/4 Cor. between Secs. 14 and 15, T 4 S, R 29 E, G & S R B & M, previously described, bears S 14° 03' E 115.8 ft.

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 3.5 ft.

A porphyry ledge, 19x19 inches, 20 inches above the ground, bears N 13° 58' E 4.9 ft. marked BR X D12-1-4168

A porphyry ledge 10x16 inches, 8 inches above the ground, bears S 41° 15' E 13.6 ft., marked BR X D12-1-4168

Thence S 52° 53' W

1294.0 Cor. No. 4 of the Detroit No. 13 lode of this survey also center of Coronado Trail, road 15 feet wide bears southeasterly

1315.34 Witness for Cor. No. 2

A granite rock in place, 29x38 inches, 30 inches above ground, marked WC X D12-2-4168

1329.0 East bank of Chase Creek

1359.0 Cor. No. 2

Situated in center of Chase Creek, 60 feet wide, course southeasterly, where a permanent monument can not be established; from this point

The original location for the southwest corner, being 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 141.0 ft.

A granite ledge, 53x93 inches, 75 inches above the ground, bears N 78° 53' E 67.4 ft., marked BR X D12-2-4168

A granite ledge, 20x48 inches, 61 inches above the ground, bears N 20° 11' W 68.0 ft., marked BR X D12-2-4168

Thence N 37° 07' W

114.0 Cross Coronado Trail, road 15 feet wide, bears southeasterly

See Amended Field Notes hereto attached, for Detroit's Nos. 1, 11 and 12 lodes

See Amended Field Notes hereto attached, for Detroit's Nos. 1, 11 and 12 lodes.

Feet 300.0	West end center, being a mound of rocks, 3 feet high with 3 feet base, from which the original location for the west end center, being a mound of rocks, 3 feet high with 3 feet base, bears S 52° 53' W 141.0 ft.
600.0	Cor. No. 3 Situating on line 1-2 of the Detroit No. 1 lode of this survey, and on the Coronado Trail, a road, where a permanent monument can not be established, an iron pin, 1 inch diameter, 18 inches long driven in flush with the surface of the road for Cor. No. 3; from this point Original location for the northwest corner, identical with Cor. No. 2 of the Detroit No. 1 lode of this survey, bears S 52° 53' W 141.0 ft. A granite ledge, 60x82 inches, 66 inches above the ground, bears N 37° 07' W 58.85 ft., marked BR X D12-3-4168 A granite ledge, 34x62 inches, 148 inches above the ground, bears S 37° 07' E 55.90 ft., marked BR X D12-3-4168 A monument of rocks 3 feet high with 3 feet base bears N 52° 53' E 17.8 ft. Thence N 52° 53' E
3.0	East edge of Coronado trail, road, 15 feet wide, bears southeasterly
4.37	Witness for Cor. No. 3 A granite ledge, 26x49 inches, 86 inches high above the ground, marked WC X on top for exact point, D12-3-4168 on face facing road
165.8	South end center of the Detroit No. 1 lode of this survey
472.6	Cor. No. 1 of the Detroit No. 1 lode of this survey and Cor. No. 2 of the Novo No. 17 lode of this survey
1359.0	Cor. No. 4 Identical with Cor. No. 2 of the Detroit No. 5 lode and situated on line 1-2 of Novo No. 17 lode of this survey. Thence S 37° 07' E
300.0	Original location for the east end center, being a mound of rocks 3 feet high with 3 feet base
600.0	Cor. No. 1 and place of beginning.
	DETROIT NO. 13
	Beginning at Cor. No. 1 of the Detroit No. 13 lode Identical with Cor. No. 1 of the Detroit No. 12 lode of this survey Thence S 37° 07' E
300.0	Original location for the east end center, being a mound of rocks 3 feet high with 3 feet base

Feet	Cor. No. 2
600.0	<p>Identical with Cors. Nos. 1 of the Detroit No. 5, Detroit No. 10 and Detroit No. 11 lodes, all of this survey</p> <p>Thence S 52° 53' W</p>
1236.0	Center of Coronado Trail, road 15 feet wide, bears southerly
1255.8	<p>Witness for Cor. No. 3</p> <p>A granite ledge, 42x67 inches, 24 inches above the ground, marked WC X D13-3-4168; D11-4-4168</p>
1294.0	<p>Cor. No. 3</p> <p>Identical with Cor. No. 4 of the Detroit No. 11 lode of this survey, and situated in Chase Creek, 65 ft. wide, course southerly, where a permanent monument can not be established; from this point</p> <p>The original location for the southwest corner, being 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 206.0 ft.</p> <p>A granite ledge, 50x56 inches, 85 inches above the ground, bears S 52° 53' W 63.3 ft., marked BR X D13-3-4168</p> <p>A granite ledge 16x19 inches, 14 inches above the ground, bears S 37° 07' E 78.3 ft., marked BR X D13-3-4168</p> <p>Thence N 37° 07' W</p>
300.0	<p>West end center, being a mound of rocks, 3 feet high with 3 feet base, from which the original location for the west end center, being a mound of rocks 3 feet high with 3 feet base, bears S 52° 53' W 206.0 ft.</p>
565.0	East edge of Chase Creek
600.0	<p>Cor. No. 4</p> <p>Situated on line 1-2 of the Detroit No. 12 lode of this survey, and in center of Coronado Trail, a road 15 feet wide, bears southeasterly, where a permanent monument can not be established, an iron pin, 1 inch diameter, 18 inches long, driven in flush with the surface of the road, for Cor. No. 4; from this point</p> <p>The original location for the northwest corner, identical with the southwest corner of the Detroit No. 12 lode of this survey, bears S 52° 53' W 206.0 ft.</p> <p>The vertical face of granite ledge, 25x25 ft., bears N 37° 07' W 41.8 ft. marked BR X D13-4-4168</p> <p>A granite ledge, 85x16 inches, 104 inches above the ground, bears S 37° 07' E 33.3 ft., marked BR X D13-4-4168</p> <p>A monument of rocks, 3 feet high with 3-foot base, bears N 52° 53' E 32.6 ft.</p> <p>Thence N 52° 53' E</p>

Feet	
17.45	Point for witness for Cor. No. 4 The vertical face of a granite ledge, 20 feet wide, 28 feet high, marked WC X D13-4-4168
1294.0	Cor. No. 1 and place of beginning.
	DETROIT NO. 11
	Beginning at Cor. No. 1 of the Detroit No. 11 lode, Identical with Cors. Nos. 1 of the Detroit No. 5 and Detroit No. 10 and Cor. No. 2 of Detroit No. 13 lodes, all of this survey Thence S 37° 07' E.
300.0	East end center, identical with location and with the west end center of the Detroit No. 10 lode of this survey
600.0	Cor. No. 2 Identical with Cor. No. 4 of the Detroit No. 10 lode of this survey and situated on line 2-3 of Detroit No. 15 lode of Survey No. 4167 Thence S 52° 53' W
1055.2	Cor. No. 2 of the Detroit No. 15 lode, Survey No. 4167
1294.0	Cor. No. 3 Set a sandstone rock 25x7x5 inches, 17 inches in the ground, for Cor. No. 3, marked D11-3-4168; from which A monument of rocks 3 feet high with 3 feet base bears N 52° 53' E 4.7 ft. The original location for the southwest corner, being a pine post, 4 feet long, 4 inches square, set on bed rock, in a mound of rocks, bears S 52° 53' W 206.0 ft. Thence N 37° 07' W
300.0	West end center, being a mound of rocks 3 feet high with 3 feet base, from which the original location for the west end center, being a mound of rocks 3 feet high with 3 feet base bears S 52° 53' W 206.0 ft.
450.0	Center of Coronado Trail, bears southerly.
600.0	Cor. No. 4 Identical with Cor. No. 3 of the Detroit No. 13 lode of this survey Thence N 52° 53' E
38.2	Witness for Cor. No. 4 Identical with witness for Cor. No. 3 of the Detroit No. 13 lode of this survey
58.0	Center of Coronado trail, a road, 15 feet wide, bears southerly
1294.0	Cor. No. 1 and place of beginning.

See Amended Field Notes hereto attached, for Detroit's Nos. 1, 11, and 12 lodes

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. 19 lode, N $52^{\circ} 53'$ E 175 ft., and S $52^{\circ} 53'$ W 1325 ft.

Novo No. 2 lode, N $52^{\circ} 53'$ E 1070 ft., and S $52^{\circ} 53'$ W 430 ft.

Novo No. 1 lode, N $52^{\circ} 53'$ E 125 ft., and S $52^{\circ} 53'$ W 1375 ft.

Novo No. 9 lode, N $52^{\circ} 53'$ E 500 ft., and S $52^{\circ} 53'$ W 1000 ft.

Novo No. 11 lode, N $52^{\circ} 53'$ E 1340 ft., and S $52^{\circ} 53'$ W 160 ft.

Novo No. 18 lode, N $52^{\circ} 53'$ E 1200 ft., and S $52^{\circ} 53'$ W 300 ft.

Detroit No. 6 lode, N $52^{\circ} 53'$ E 750 ft., and S $52^{\circ} 53'$ W 750 ft.

Detroit No. 8 lode, N $52^{\circ} 53'$ E 750 ft., and S $52^{\circ} 53'$ W 750 ft.

Novo No. 4 lode, N $52^{\circ} 53'$ E 1150 ft., and S $52^{\circ} 53'$ W 350 ft.

Novo No. 6 lode, N $52^{\circ} 53'$ E 1400 ft., and S $52^{\circ} 53'$ W 100 ft.

Novo No. 8 lode, N $52^{\circ} 53'$ E 460 ft., and S $52^{\circ} 53'$ W 1018.85 ft.

Novo No. 7 lode, N $52^{\circ} 53'$ E 300 ft., and S $52^{\circ} 53'$ W 1200 ft.

Novo No. 12 lode, N $52^{\circ} 53'$ E 900 ft., and S $52^{\circ} 53'$ W 600 ft.

Novo No. 17 lode, N $52^{\circ} 53'$ E 200 ft.; and S $52^{\circ} 53'$ W 1300 ft.

Detroit No. 5 lode, N $25^{\circ} 00'$ W 100 ft., and S $25^{\circ} 00'$ E 1127.2 ft.

Detroit No. 10 lode, N $52^{\circ} 53'$ E 300 ft., and S $52^{\circ} 53'$ W 1200 ft.

Detroit No. 11 lode, N $52^{\circ} 53'$ E 850 ft., and S $52^{\circ} 53'$ W 444 ft.

Detroit No. 12 lode, N $52^{\circ} 53'$ E 850 ft., and S $52^{\circ} 53'$ W 509 ft.

Detroit No. 13 lode, N $52^{\circ} 53'$ E 900 ft., and S $52^{\circ} 53'$ W 394 ft.

Minnesota lode, S $4^{\circ} 08'$ E 90 ft., and N $4^{\circ} 08'$ W 522.7 ft.

Novo No. 5 lode, N $78^{\circ} 27'$ E 350 ft., and S $78^{\circ} 27'$ W 815 ft.

Novo No. 16 lode, N $78^{\circ} 27'$ E 470.1 ft., and S $78^{\circ} 27'$ W 800 ft.

Novo No. 13 lode, N 78° 27' E 1293.6 ft., and S 78° 27' W 75 ft.

Novo No. 14 lode, S 59° 51' E 375 ft., and N 59° 51' W 1125 ft.

Detroit No. 1 lode, S 25° 00' E 650 ft., and N 25° 00' W 397.52 ft.

AREAS

	acres
Total area - Novo No. 19 lode - - - - -	20.659 ✓
Total area - Novo No. 2 lode - - - - -	20.659 ✓
Total area - Novo No. 1 lode - - - - -	20.659 ✓
Total area - Novo No. 9 lode - - - - -	20.659 ✓
Total area - Novo No. 11 lode - - - - -	20.659 ✓
Total area - Novo No. 18 lode - - - - -	20.659 ✓
Total area - Detroit No. 6 lode - - - - -	20.659 ✓
Total area - Detroit No. 8 lode - - - - -	20.659 ✓
Total area - Detroit No. 10 lode - - - - -	20.661 ✓
Total area - Novo No. 4 lode - - - - -	20.659 ✓
Total area - Novo No. 6 lode - - - - -	20.659 ✓
Area in conflict with Survey No. 2974 - King Bolt lode - - - - -	0.049 ✓
Total area - Novo No. 8 lode - - - - -	20.367 ✓
Area in conflict with Survey No. 2974 King Bolt lode - - - - -	0.181 ✓
Survey No. 3012 Chulo Visto lode - - - - -	1.269 ✓
Survey No. 3012 Chulo Visto lode, exclusive of its conflict with Survey No. 2974 King Bolt lode - - - - -	1.171 ✓
Total area - Novo No. 7 lode - - - - -	20.659 ✓
Area in conflict with Survey No. 3012 Chulo Visto lode - - - - -	2.260 ✓
Total area - Novo No. 12 lode - - - - -	20.659 ✓
Total area - Novo No. 17 lode - - - - -	20.659 ✓
Total area - Detroit No. 5 lode - - - - -	13.355 ✓
Total area - Detroit No. 11 lode - - - - -	17.824 ✓
Total area - Detroit No. 12 lode - - - - -	18.719 ✓
Total area - Detroit No. 13 lode - - - - -	17.824 ✓
Total area - Minnesota lode - - - - -	4.171 ✓
Area in conflict with Survey No. 2709 Copper Slide lode - - - - -	0.184 ✓

See Amended Field Notes hereto attached, for Areas

Survey No. 2709 Magestral No. 2 lode - - - -	1.110 ✓
Novo No. 4 lode, this survey - - - - -	1.670 ✓
Novo No. 5 lode, this survey - - - - -	0.191 ✓
Total area, Novo No. 5 lode - - - - -	15.607 ✓
Area in conflict with	
Survey No. 2709, Magestral No. 2 lode - - - -	6.597 ✓
Total area, Novo No. 16 lode - - - - -	17.491 ✓
Area in conflict with	
Survey No. 2887, Utah lode - - - - -	0.000 ✓
Survey No. 3012, Chulo Visto lode - - - - -	5.941 ✓
Total area, Novo No. 13 lode - - - - -	18.848 ✓
Area in conflict with	
Survey No. 2887, Ajax lode - - - - -	0.001 ✓
Survey No. 3012, Chulo Visto lode - - - - -	0.071 ✓
Total area, Novo No. 14 lode - - - - -	20.556 ✓
Area in conflict with	
Novo No. 16 lode, this survey - - - - -	1.399 ✓
Novo No. 13 lode this survey - - - - -	8.842 ✓
Arrowhead lode, unsurveyed - - - - -	0.367 ✓
Total area - Detroit No. 1 lode - - - - -	14.427 ✓
Area in conflict with	
Novo No. 13 lode, this survey - - - - -	1.050 ✓
Novo No. 14 lode, this survey - - - - -	0.979 ✓
Arrowhead lode, unsurveyed - - - - -	0.706 ✓

See Amended Field Notes hereto attached, for Areas.

LOCATION

This survey is located in the S W 1/4 of Sec. 11, SE 1/4 and S W 1/4 of Sec. 10, NW 1/4, NE 1/4 and SE 1/4 of Sec. 15 and NW 1/4 and SW 1/4 of Sec. 14, T 4 S, R 29 E, G & S R B & M.

The survey of each of the lode locations of this survey is identical with the amended location as marked on the ground, with the following exceptions, which are duly recorded in the notes:- Novo No. 8 lode, Minnesota lode, Novo No. 5 lode, Novo No. 16 lode, Novo No. 13 lode, Detroit No. 1 lode, Detroit No. 11 lode, Detroit No. 12 lode, Detroit No. 13 lode and Detroit No. 5 lode.

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 im-

provements consist of:-

- No. 1 The discovery shaft of the Novo No. 19 lode, the center of which being the discovery point, is on the center line 175 ft. from the east end center, 6x6 ft., 10 ft. deep
Value \$75
- No. 2 A shaft, the center of which bears from the east end center N 48° 05' W 71 ft., 4x6 ft., 10 ft. deep
Value \$50
- No. 1 The discovery cut of the Novo No. 2 lode, the face of which being the discovery point, is on the center line 430 feet from the west end center; 5 feet wide, 10 ft. face, runs North 13 ft. to face
Value \$ 70
- No. 1 The discovery cut of the Novo No. 1 lode, the face of which being the discovery point is on the center line 125 ft. from the east end center; 5 feet wide; 10 ft. face, runs S 52° 53' W 14 ft. to face
Value \$75
- No. 1 The discovery cut of the Novo No. 9 lode, the face of which being the discovery point is on the center line 500 feet from the east end center; 4 feet wide, 10 ft. face, runs South 14 ft. to face
Value \$70
- No. 2 An open cut, the mouth of which bears S 25° 25' W 298 feet from Cor. No. 2 of the Novo No. 9 lode; 5 feet wide, 10 ft. face, runs S 20° W 12 ft. to face
Value \$60
- No. 1 The discovery shaft of the Novo No. 11 lode, the center of which being the discovery point, is on the center line 160 feet from the west end center, 4x6 ft., 10 feet deep
Value \$50
- No. 1 The discovery shaft of the Novo No. 18 lode, the center of which being the discovery point, is on the center line 300 feet from the west end center, 4x6 ft., 10 feet deep
Value \$50
- No. 1 The discovery shaft of the Detroit No. 6 lode, the center of which being the discovery point, is on the center line 750 feet from the east end center, 4x6 ft., 10 feet deep
Value \$50
- No. 2 An open cut, the mouth of which bears from Cor. No. 2 of the Detroit No. 6 lode N 72° 30' E 215 ft; 4 feet wide, 10 ft. face, runs S 73° W 12 ft. to face
Value \$50
- No. 1 The discovery shaft of the Detroit No. 8 lode, the center of which being the discovery point, is on the center line, 750 feet from the east end center; 4x6 ft., 10 feet deep
Value \$50
- No. 2 An open cut, the mouth of which bears from Cor. No. 3 of the Detroit No. 8 lode S 89° 42' W 402 ft., 5 feet wide, 10 ft. face, runs East 15 ft. to face
Value \$ 80
- No. 3 An open cut, the mouth of which bears from Cor. No. 4

- of the Detroit No. 8 lode N 48° 04' E 391 ft., 5 feet wide, 8 ft. face, runs N 40° E 10 ft. to face
Value \$45
- No. 4 An open cut, the mouth of which bears from the east end center of the Detroit No. 8 lode, S 67° 28' W 259 ft., 4 feet wide, 10 ft. face, runs S 65° E 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Detroit No. 10 lode, the face of which being the discovery point, is on the center line 300 feet from the east end center, 4 feet wide, 10 ft. face, runs S 75° E 12 ft. to face
Value \$50
- No. 2 An open cut, the mouth of which bears from the east end center of the Detroit No. 10 lode, S 58° 16' W 298 ft., 6 feet wide, 10 ft. face, runs S 75° E 12 ft. to face and portal of tunnel, 5x6 ft. in size, running S 75° E 13 ft. to breast
Value of open cut and tunnel \$225
- No. 3 A shaft, the center of which bears from Cor. No. 3 of the Detroit No. 10 lode, S 57° 30' W 315 ft., 4x6 ft., 10 feet deep
Value \$50
- No. 4 An open cut, the mouth of which bears from Cor. No. 3 of the Detroit No. 10 lode S 72° 25' W 250 ft., 5 feet wide, 12 ft. face runs N 17° E 23 feet to face and portal of tunnel 7x10 ft. in size, running N 38° E 12 ft. to a point from which a drift 4x6 ft. in size runs N 60° E 7 ft. to breast; from same point tunnel 4x7 ft. in size runs N 17° E 20 ft. to breast; at same point is winze 5x6 ft. in size, 26 feet deep
Value of cut, tunnel and winze \$1265
drift
- No. 5 An open cut, the mouth of which bears from the East end center of the Detroit No. 10 lode S 29° 50' W 108 ft., 4 feet wide, 10 ft. face, runs S 60° E 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Novo No. 4 lode, the face of which being the discovery point is on the center line 350 feet from the west end center; 5 feet wide, 10 ft. face runs East 14 ft. to face
Value \$75
- No. 1 The discovery cut of the Novo No. 6 lode, the face of which being the discovery point is on the lode line 100 feet from the west end center; 5 feet wide, 10 ft. face, runs N 52° 53' E 14 ft. to face
Value \$75
- No. 1 The discovery cut of the Novo No. 8 lode, the face of which being the discovery point is on the center line 460 feet from the east end center; 4 feet wide, 10 ft. face, runs N 30° W 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Novo No. 7 lode, the face of which being the discovery point is on the center line 300 feet from the east end center; 4 feet wide, 10 ft. face, runs N 32° W 16 ft. to face
Value \$65
- No. 1 The discovery cut of the Novo No. 12 lode, the face of which being the discovery point is on the center line 600 feet from the west end center; 4 feet wide, 10 ft. face, runs S 52° 53' W 16 ft. to face
Value \$65

- No. 2 An open cut, the mouth of which bears from the East end center of the Novo No. 12 lode S 77° 20' W 451.0 ft., 4 feet wide, 8 ft. face, runs S 78° W 16 ft. to face
Value \$55
- No. 1 Discovery cut of the Novo No. 17 lode, the face of which being the discovery point is on the center line, 200 feet from the east end center; 4 feet wide, 10 ft. face, runs S 52° 53' W 15 ft. to face
Value \$60
- No. 2 An open cut, the mouth of which bears from the west end center of the Novo No. 17 lode N 46° 45' E 649 ft., 4 feet wide, 8 ft. face runs N 20° E 12 ft. to face.
Value \$45
- No. 3 an open cut, the mouth of which bears from the west end center of the Novo No. 17 lode N 44° 35' E 645 ft., 7 feet wide, 8 feet face, runs N 20° E 13 ft. thence 8 feet wide, 10 feet face, runs N 70° W 28 ft. to face, at face is shaft 4x6 ft., 8 ft. deep
Value of cut and shaft \$300
- No. 4 An open cut, the mouth of which bears from Cor. No. 3 of the Novo No. 17 lode, S 86° 35' E 216 ft., 6 feet wide, 8 feet face, runs N 10° W 14 ft. to face
Value \$79
- No. 5 An open cut, the mouth of which bears from Cor. No. 3 of the Novo No. 17 lode, N 85° 05' E 190 ft., 5 feet wide, 12 feet face, runs N 10° W 20 ft. to face
Value \$125
- No. 6 An open cut, the mouth of which bears from Cor. No. 3 of the Novo No. 17 lode, N 82° 50' E 170 ft., 6 feet wide, 8 feet face, runs N 10° W 14 ft. to face
Value \$70
- No. 1 The discovery cut of the Detroit No. 5 lode, the face of which being the discovery point is on the center line 100 feet from the north end center; 6 feet wide, 10 ft. face runs S 33° 30' W 12 ft. to face and portal of tunnel, 4x7 ft. in size, running S 33° 30' W 50 ft., thence S 48° W 210 ft., thence S 74° W 97.5 ft., thence N 73° W 67.5 ft. to breast
Value of open cut \$75
This tunnel starts in the Detroit No. 5 lode and ends in the Detroit No. 12 lode of this survey and since the work was done before the consolidation of the Detroit and Novo Groups, a 1/2 interest in this tunnel has been allotted to the Detroit No. 5 lode and 1/2 interest to the Detroit No. 12 lode
Value of 1/2 interest \$3200
- No. 2 A shaft, the center of which bears from Cor. No. 2 of the Detroit No. 5 lode, S 45° 10' E 142 ft., 4x6 ft., 8 ft. deep
Value \$40.
- No. 3 A shaft, the center of which bears from Cor. No. 1 of the Detroit No. 5 lode, N 25° 39' W 175 ft., 4x6 ft., 10 feet deep
Value \$50
- No. 1 The discovery cut of the Minnesota lode, the face of which being the discovery point is on the center line 90 feet from the south end center; 4 feet wide, 12 ft. face runs N 52° E 15 ft. to face
Value \$80
- No. 2 An open cut, the mouth of which bears from Cor. No. 4 of the Minnesota lode S 44° 05' W 237 ft., 5 feet wide,

- 10 ft. face, runs North 15 ft. to face
Value \$85
- No. 1 The discovery cut of the Novo No. 5 lode, the face of which being the discovery point is on the center line 350 feet from the east end center; 5 feet wide, 10 ft. face, runs N 14° 10' E 18 ft. to face and portal of tunnel 5x7 ft. in size, running N 14° 10' E 31 ft., thence N 72° 40' E 269 ft. to breast. This tunnel has been run since the consolidation of the property under the present ownership and has been run with the definite idea of developing the formation which comprises the basic rock of all of the claims of this property. For this reason a 1/75 interest has been allotted to the 30 claims of the Novo group; the 26 claims of the Detroit group; the Minnesota lode; Survey No. 2709 Copper Bluff, White tail, Bertrand, 4-11, Sun Set, Good Site, Copper Ridge, Vallie View, Copper Slide, Copper Head No. 2, Magestral No. 2 and Kentucky lodes; Survey No. 2708, Transit, Level, Bleak Wind, and C O D lodes; Survey No. 3012 Chulo Visto lode and Survey No. 2975 White Gance lode, a total of 75 claims.
a 1/75 interest \$70
Value of open cut (not included in above) \$100 .
- No. 1 The discovery cut of the Novo No. 16 lode, the face of which being the discovery point is on the center line 800 ft. from the west end center; 4 feet wide, 10 ft. face, runs North 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Detroit No. 1 lode, the face of which being the discovery point is on the center line 650 feet from the south end center; 4 feet wide, 10 ft. face, runs N 25° 00' W 13 ft. to face
Value \$50
- No. 2 An open cut, the mouth of which bears N 8° 20' W 578 ft. from Cor. No. 2 of the Detroit No. 1 lode; 6 feet wide, 12 ft. face, runs N 40° W 20 ft. to face and portal of tunnel 6x6 ft. in size, running N 40° W 13 ft. to breast
Value open cut and tunnel \$320.
- No. 3 An open cut, the mouth of which bears from Cor. No. 2 of the Detroit No. 1 lode, N 10° 45' W 545 ft., 5 feet wide, 8 ft. face runs N 40° E 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Detroit No. 11 lode, the face of which being the discovery point is on the center line 850 feet from the east end center; 8 feet wide, 10 ft. face, runs S 75° E 12 ft. to face
Value \$100
- No. 2 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 11 lode N 58° 10' E 438 ft., 7 feet wide, 10 ft. face, runs S 75° E 12 ft. to face
Value \$90
- No. 3 An open cut, the mouth of which bears from Cor. No. 4 S 76° 00' E 350 ft. 10 ft. wide, 12 ft. face, runs S 75° E 15 ft. to face
Value \$200
- No. 4 An open cut, the mouth of which bears from Cor. No. 3 of the Detroit No. 11 lode N 7° 15' W 265 ft., 5 feet wide, 8 ft. face, runs S 75° E 10 ft. to face
Value \$45

- No. 1 The discovery cut of the Detroit No. 12 lode, the face of which being the discovery point is on the center line 850 feet from the east end center; 6 feet wide, 14 ft. face, runs N 48° E. 35 ft. to face and portal of tunnel No. 2
Value \$250
- No. 2 At face of above open cut is tunnel 5x7 ft. in size, running N 48° E 60 ft. to a point from which cross cut 4x6 ft. in size runs N 54° 30' E 50 ft. to breast; from same point main tunnel runs 5x7 ft. in size N 16° E 204 ft. to breast. Value of tunnel \$4680.00. This tunnel has been driven as a development project with other tunnels of Detroit No. 13 for the whole of the Detroit Group. These tunnels are developing a strata of rock that underlies most of the claims of the Detroit Group. This work was done on the Detroit Group before the consolidation into the present ownership. Therefore a 1/26 interest has been allotted to each of the claims of the Detroit Group, all of which are in Mineral Surveys 4165, 4167 and 4168.
A 1/26 interest - \$180
- No. 3 A shaft, the center of which bears from Cor. No. 3 of the Detroit No. 12 lode N 79° 05' E 660 ft., 4x6 ft. in size, 10 feet deep
Value \$ 60
- No. 4 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 12 lode S 17° 38' W 142 ft., 4 feet wide, 8 ft. face, running N 56° E 22 ft. to face
Value \$70
- No. 5 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 12 lode S 26° 04' W 178 ft., 3 feet wide, 8 ft. face, runs N 80° E 22 ft. to face.
Value \$55
- No. 6 Shaft, the center of which bears from Cor. No. 4 of the Detroit No. 12 lode, South 145 ft., 4x6 ft., 10 feet deep
Value \$60
- No. 7 A shaft, the center of which bears from Cor. No. 4 of the Detroit No. 12 lode S 13° 30' W 162 ft., 4x6 ft., 10 feet deep
Value \$60
- No. 1 The discovery cut of the Detroit No. 13 lode, the face of which being the discovery point is on the center line 900 feet from the east end center; 4 feet wide, 10 ft. face, runs North 16 ft. to face
Value \$75
- No. 2 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 13 lode N 65° 45' E 425 ft., 10 feet wide, 10 ft. face runs N 65° 30' E 25 ft. to face and portal of tunnel 4x6 ft. in size, running N 65° 30' E 123 ft. thence N 84° 15' E 263 ft. to breast. This tunnel is a common improvement for the Detroit group for the reasons given under NO. 2 Detroit No. 12 lode
Total Value \$4472.00.
A 1/26 interest \$172.
- No. 3 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 13 lode N 69° 30' E 533 ft., 14 feet wide, 16 ft. face runs S 74° 30' E 16 ft. to face and portal of tunnel 4x6 ft. in size running S 74° 30' E 32 ft., thence N 69° E 16 ft., thence N

26 °E 71 ft., thence S 72° E 25 ft. to breast. Total Value \$1820, a 1/26 interest in this improvement has been allotted to each of the Detroit group.
Value of 1/26 interest \$70

No. 4 A tunnel, the portal of which bears from Cor. No. 2 of the Detroit No. 13 lode S 62° 08' W 560 ft., 4x6 ft. in size, running N 57° E 24 ft., thence N 73° 30' E 28 ft., thence N 40° E 19 ft., thence N 18° 30' E 108 ft., thence N 6° W 19 ft. to breast. Total value \$1976, a 1/26 interest in this improvement has been allotted to each claim of the Detroit group.
Value of 1/26 interest \$76

No. 5 A shaft, the center of which bears from Cor. No. 2 of the Detroit No. 13 lode S 70° 35' W 506 ft., 4x6 ft. in size, 10 ft. deep
Value \$60

No. 6 A shaft, the center of which bears from Cor. No. 2 of the Detroit No. 13 lode S 79° 20' W 534 ft., 4x6 ft. in size, 10 ft. deep
Value \$60

No. 7 An open cut, the mouth of which bears from Cor. No. 3 of the Detroit No. 13 lode, N 26° 55' E 508 ft., 5 feet wide, 12 ft. face, runs North 18 ft. to face and portal of tunnel 4x6 ft. in size, running North 36 ft. to breast
Value of cut and tunnel \$655

No. 8 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 13 lode N 79° 28' E 450 ft., 4 feet wide, 8 ft. face runs S 80° E 12 ft. to face
Value \$45

No. 9 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 13 lode N 69° 58' E 625 ft., 4 feet wide, 8 ft. face, runs S 50° E 10 ft. to face
Value \$40

No. 10 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 13 lode N 69° 04' E 660 ft., 6 feet wide, 10 ft. face runs N 35° E 12 ft. to face and portal of tunnel 4x6 ft. in size, running N 35° E 10 ft. to breast
Value of cut and tunnel \$175.

No. 1 The discovery cut of the Detroit No. 11 lode, the face of which being the discovery point is on the center line 850 feet from the east end center, 8 feet wide, 10 ft. face, runs S 75° E 12 ft. to face
Value \$100

No. 2 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 11 lode N 58° 10' E 438 ft., 7 feet wide, 10 ft. face, runs S 75° E 12 ft. to face
value \$90

No. 3 An open cut, the mouth of which bears from Cor. No. 4 of the Detroit No. 11 lode, S 76° 00' E 350 ft., 10 feet wide, 12 ft. face, runs S 75° E 15 ft. to face
Value \$200

No. 4 An open cut, the mouth of which bears from Cor. No. 3 of the Detroit No. 11 lode, N 7° 15' W 265 ft., 5 feet wide, 8 ft. face, runs S 75° E 10 ft. to face
Value \$45

No. 1 The discovery cut of the Novo No. 13 lode, the face of which being the discovery point is on the center line

- 75 ft. from the west end center; 4 feet wide, 10 ft. face, runs N 78° 27' E 12 ft. to face
Value \$50
- No. 2 An open cut, the mouth of which bears from Cor. No. 2 of the Novo No. 13 lode, N 56° 36' E 522 ft., 6 feet wide, 16 ft. face, runs North 20 ft. to face
Value \$200
- No. 3 An open cut, the mouth of which bears from Cor. No. 1 of the Novo No. 13 lode, S 83° 39' W 334 ft., 5 feet wide, 8 ft. face, runs East 12 ft. to face and portal of tunnel, 4x6 ft. in size, running East 62 ft., thence N 10° E 13 ft., thence N 80° E 50 ft., thence N 10° W 35 ft. to breast
Value of cut and tunnel \$2450
- No. 1 The discovery ^{shaft} of the Novo No. 14 lode, the center of which being the discovery point is on the center line 375 ft. from the east end center; 9x10 ft., 10 ft. deep
Value \$200
- No. 2 A tunnel, the portal of which bears from Cor. No. 2 of the Novo No. 14 lode N 79° 58' W 283 ft., 6x8 ft. in size, running N 11° 15' E 810 ft. to breast. At 100 feet in from portal is cross cut 7x8 ft. in size running N 78° 45' W 11 ft. to breast; at 134 ft. in from portal is cross cut 6x8 ft. in size runs S 78° 45' E 9 ft. to breast and raise 4x6 ft. 40 ft. high; at 455 ft. in from portal is crosscut 8x8 ft. in size runs N 78° 45' W 10 ft. to breast and raise 4x6 ft. 25 ft. high; at 460 ft. in from portal is crosscut 4x6 ft. in size runs N 60° E 12 ft. to breast. Value of tunnel, crosscuts and raises \$17,670. This tunnel was run as a main working tunnel and common improvement for the 30 claims of the Novo Group before the consolidation of the present property. Therefore a 1/30 interest has been allotted to each of the 30 claims of the Novo Group, all included in Surveys 4165, 4166 and 4168.
Value of 1/30 interest \$ 589
- No. 3 An open cut, the mouth of which bears from the west end center S 49° 15' E 145 ft., 4 feet wide, 8 ft. face, runs East 8 ft. to face and portal of tunnel 4x6 ft. in size, running East 7 ft. to breast
Value of cut and tunnel \$100
- No. 4 An open cut, the mouth of which bears from the west end center of the Novo No. 14 lode, S 86° 10' E 153 ft., 6 feet wide, 8 ft. face runs N 80° E 10 ft. to face and portal of tunnel 4x6 ft. in size running N 80° E 61 ft. to breast. This tunnel begins in the Novo No. 14 lode and ends in the Novo No. 16 lode. Therefore a 1/2 interest has been allotted to the Novo No. 14 lode and the Novo No. 16 lode.
Value of 1/2 interest \$400
- a 1/75 interest in diamond drilling and other improvements made in the Christie and Kentucky tunnels situated on the Copper Bluff and Kentucky lodes of Survey No. 2709 has been allotted to each of the claims of this survey. The above improvements have been made by the present owners of the property after the consolidation of the various groups into one large group and the list of the claims comprising the property are given under Improvement No. 1 of the Novo No. 5 lode.
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 & Mining Co. known as the - Minnesota, Novo No. 1, Novo No. 2, Novo No. 4, Novo No. 5, Novo No. 6, Novo No. 7, Novo No. 8, Novo No. 9, Novo No. 11, Novo No. 12, Novo No. 13, Novo No. 14, Novo No. 16, Novo No. 17, Novo No. 18, Novo No. 19, Detroit No. 1, Detroit No. 5, Detroit No. 8, Detroit No. 6, Detroit No. 10, Detroit No. 11, Detroit No. 12 and Detroit No. 13 and showing the respective capacities in which they acted.

Allen Hanley, Chainman.

....., Chainman.

Jack Roland, Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS

We, Allen Hanley

and Jack Roland, 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 & Mining Co. Known as the - Minnesota, Novo No. 1, Novo No. 2, Novo No. 4, Novo No. 5, Novo No. 6, Novo No. 7, Novo No. 8, Novo No. 9, Novo No. 11, Novo No. 12, Novo No. 13, Novo No. 14, Novo No. 16, Novo No. 17, Novo No. 18, Novo No. 19, Detroit No. 1, Detroit No. 5, Detroit No. 6 known as the Detroit No. 8, Detroit No. 10, Detroit No. 11, Detroit No. 12 and Detroit No. 13

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 instruc-

tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

Allen Hanley, Chainman.

....., Chainman.

Jack Roland, Axman.

....., Flagman

Subscribed and sworn to by the above-named persons before me this 14th

day of December, 19 33

Frank A. Starnes

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

My Commission expires Sept. 4, 1934.

Oct. 11, 1936

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 12, 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 & Mining Co., known as Minnesota, Novo No. 1, Novo No. 2, Novo No. 4, Novo No. 5, Novo No. 6, Novo No. 7, Novo No. 8, Novo No. 9, Novo No. 11, Novo No. 12, Novo No. 13, Novo No. 14, Novo No. 16, Novo No. 17, Novo No. 18, Novo No. 19, Detroit No. 1, Detroit No. 5, Detroit No. 6, Detroit No. 8, Detroit No. 10, Detroit No. 11, Detroit No. 12, Detroit No. 13 lode, situated in Greenlee Gold Mt. Mining District, Greenlee County, Arizona, in Section 10, 11, 14, 15

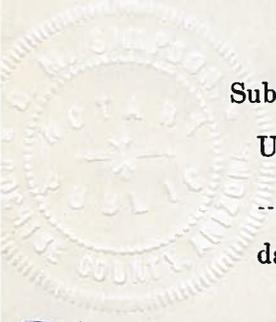
Township No. 4 S, Range No. 29 E, G & S R B & M, and designated as Survey No. 4168

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 this 22nd day of February, 1934

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



My Commission Expires August 9, 1937.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

1934

I, Office Cadastral Engineer 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 and Mining Co., known as the Minnesota, Nove No. 1, Nove No. 2, Nove No. 4, Nove No. 5, Nove No. 6, Nove No. 7, Nove No. 8, Nove No. 9, Nove No. 11, Nove No. 12, Nove No. 13, Nove No. 14, Nove No. 16, Nove No. 17, Nove No. 18, Nove No. 19, Detroit No. 1, Detroit No. 5, Detroit No. 6, Detroit No. 8, Detroit No. 10, Detroit No. 11, Detroit No. 12 and Detroit No. 13 situate in Greenlee Gold Mountain

Mining District Greenlee County Arizona

in Sections 10, 11, 14, 15, Township No. 4 S., Range No. 29 E., G & S R B & M and designated as Survey No. 4168, 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 Co. or its grantors, and that said improvements consist of 16 shafts, 55 cuts, 15 tunnels, 1 drift, 1 winze, 5 crosscuts and 2 raises, Value \$32,313.00 and an undivided interest to the amount of \$19,047.25 in certain common improvements located on claims of Mineral Survey No. 2709, as described in the foregoing notes.

Total value of Improvements \$51,360.25

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

....., 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 and Mining Co., known as the Minnesota,
Novo No. 1, Novo No. 2, Novo No. 4, Novo No. 5, Novo No. 6,
Novo No. 7, Novo No. 8, Novo No. 9, Novo No. 11, Novo No. 12,
Novo No. 13, Novo No. 14, Novo No. 16, Novo No. 17, Novo No. 18,
Novo No. 19, Detroit No. 1, Detroit No. 5, Detroit No. 6, Detroit
No. 8, Detroit No. 10, Detroit No. 11, Detroit No. 12 and
Detroit No. 13

situate in Greenlee Gold Mountain mining district,

Greenlee County Arizona

in Section s 10, 11, 14, 15, Township No. 4 S., Range No. 29 E.

G. & S. R. B. & M., designated as Survey No. 4168

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

Surveyor, November 16th to December 14th, 1933, under my instructions dated

August 12th, 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

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.