

MINERAL SURVEY No. 4189

ARIZONA Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

General Electric Company

KNOWN AS THE

Union No. 10, Union No. 11, Union No. 15 and Union No. 16 lodes

Arivaca Mining District,

Pima County, Arizona

Section 26, Township 20 S, Range 9 E, G&SRM.,

Surveyed under instructions dated July 8, 1936

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

Claim located August 15, 1930

Survey commenced September 3, 1936

Survey completed September 8, 1936

Address of claimant's attorney, B. G. Thompson, Consol. Nat'l Bank Bldg., Tucson, Arizona.

DATES OF AMENDED LOCATIONS



MINERAL SURVEY NO. 4189 - Arizona.

Feet

Mineral Survey No. 4189 was made with a Gurley & Sons Precise Transit, Light Mountain model, with horizontal limb 6.25 inches in diameter, having two double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a prismatic eye piece with colored glass slide for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order. An a.m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at Cor. No. 3 of the Union No. 13 lode, Survey No. 4188, the details of which observations are shown in the calculation sheets submitted with Survey No. 4188. 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 of feet, for the entire length; a Keuffel & Esser, steel tape, 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Lufkin steel tape, graduated to feet, inches and fractions of inches for the entire length, 25 feet in 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 14° 00' E.

UNION, NO. 10 lode

Beginning at Cor. No. 1 of the Union No. 10 lode,

Situated on line 4-1 of the Survey No. 1435 Immense No. 1 lode,

A quartzite ledge, 10x30 inches, 6 inches above the ground for Cor. No. 1, mkd. U10-1-4189; from which

A mound of rocks, 3 ft. high, 3 ft. base, bears northerly 4 ft.

A quartzite ledge, 12x24 inches, 13 inches high above the ground, bears S 68° 14' W 18.1 ft. mkd. BR x U10-1-4189

Sec.

The 1/4 Cor. between Secs. 25 and 26, T. 20 S, R 9 E, G & S R B & M, being a granite rock, 10x20 inches, 5 inches above the ground, mkd. 1/4 on west face, bears S 44° 44' E 1177.9 ft. dist.

Cor. No. 4, Survey No. 1435 Immense No. 1 lode bears S 78° 05' W 470.0 ft.

Cor. No. 4, Survey No. 1435 Grand No. 2 lode, bears S. 82° 51' W. 150.25 ft.

The intersection of line 4-1 Survey No. 1435 Immense No. 1 lode and line 4-1 Survey No. 1435 Grand No. 2 lode bears S 78° 05' W 144.53 ft.

The intersection of line 4-1 Survey No. 1435 Immense No. 1 lode and line 3-4 Survey No. 1435 Grand No. 2 lode bears S 78° 05' W 157.58 ft.

thence S 29° 47' W

148.0 Intersect line 4-1 Survey No. 1435 Grand No. 2 lode at S 34° 33' E 133.22 ft. from Cor. No. 4 thereof.

The intersection of line 4-1 Survey No. 1435 Grand No. 2 lode and line 4-1 Survey No. 1435 Immense No. 1 lode bears N 34° 33' W 119.72 ft. from this point



- 304.0 To east end center being a mound of stone, 3 ft. high, 3 ft. base, agreeing with the east end center of the location
- 608.0 To Cor. No. 2
- Set a granite rock, 28x9x7 inches, 15 inches in the ground for Cor. No. 2, mkd. U10-2-4189; from which
- A mound of rocks, 3 ft. high, 3 ft. base, bears northwesterly 4 ft., thence N 50° 39' W
- 35.05 Intersect line 3-4 Survey No. 1435 Grand No. 2 lode at S 20° 18' W 518.95 ft. from Cor. No. 4 thereof
- The intersection of line 4-1 Survey No. 1435 Immense No. 1 lode and line 3-4 Survey No. 1435 Grand No. 2 lode bears N 20° 18' E 504.22 ft. from this point
- 36.68 Intersect lines 3-4 Survey No. 1435 Immense No. 1 lode and 1-2 Survey No. 1435 Immense No. 2 lode at S 17° 38' E 427.47 from Cors. 4 and 1 thereof, respectively.
- 991.2 Intersect line 4-1 Survey No. 1435 Immense No. 2 lode at N 72° 00' W 640 ft. from Cor. No. 1 thereof and line 2-3 of the Union No. 16 lode of this survey at S 18° 00' W 390 ft. from Cor. No. 2 thereof
- 1500.0 Cor. No. 3
- Set a quartzite rock 22x16x14 inches, 12 inches in the ground for Cor. No. 3, mkd. U10-3-4189; from which
- A mound of rocks, 3 ft. high, 3 ft. base, bears northerly 3 ft. thence N 29° 47' E
- 137.12 To Cor. No. 3 of the Union No. 15 lode of this survey
- 217.82 Intersect line 1-2 of the Union No. 16 lode of this survey at N 70° 53' W 429.74 ft. from Cor. No. 2 thereof
- 304.0 West end center, being a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the west end center of the location
- 440.07 To east end center of the Union No. 15 lode of this survey
- 608.0 Cor. No. 4
- Set a granite rock, 26x8x5 inches, 17 inches in the ground for Cor. No. 4, mkd. U10-4-4189; from which
- A mound of rocks, 3 ft. high, 3 ft. base bears northerly 2.5 ft.
- A granite ledge, 20x32 inches, 23 inches above the ground bears S 77° 30' W 27.1 ft. mkd. BR x U10-4-4189
- A granite ledge 17x22 inches, 8 inches above the ground, bears N 33° 15' E 28.6 ft., mkd. BR x U10-4-4189
- Intersect line 4-1 Survey No. 1435 Grand No. 2 lode at thence S 50° 39' E
- 1500.0 Cor. No. 1 and place of beginning.



- 784.08 Intersect line 4-1 of the Union No. 16 lode of this survey at N 18° 00' E 74.44 ft. from Cor. No. 4 thereof
- 1500.0 Cor. No. 1, place of the beginning.
- UNION NO. 15 lode.
- Beginning at Cor. No. 1 of the Union No. 15 lode
- The north face of a vertical granite ledge, 72x180 inches, 38 inches above the ground, for Cor. No. 1, mkd. U15-1-4189; from which
- A mound of rocks, 3 ft. high, 3 ft. base, bears north-westerly 3 ft.
- Sec.
- The 1/4 Cor. between Secs. 23 and 26, T 20 S, R 9 E, G & S R ~~B~~ M, previously described bears N 75° 21' E 696.57 ft.
- thence S 68° 15' E
- 1500.0 Cor. No. 2
- Set a granite rock 26x10x8 inches, 3 inches in the ~~gran~~ ground to bed rock, built low monument around rock, for Cor. No. 2, mkd. U15-2-4189; from which
- A mound of rocks, 3 ft. high, 3 ft. base, bears southerly 4 ft.
- thence S 29° 47' W
- 135.02 To Cor. No. 4 of the Union No. 10 lode of this survey
- 302.95 East end center being a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the east end center of the location
- 439.02 To west end center of the Union No. 10 lode of this survey
- 525.2 Intersect line 1-2 of the Union No. 16 lode of this survey at S 70° 53' E 1070.26 ft. from Cor. No. 1 thereof
- 605.9 Cor. No. 3
- Set a quartzite rock, 24x8x7 inches, 17 inches in the ground for Cor. No. 3, mkd. U15-3-4189; from which
- A granite rock, 12x18 inches, 8 inches above the ground, bears S 32° 13' W 28.5 ft., mkd. BR x U15-3-4189
- A granite rock, 14x5 inches, 14 inches above the ground, bears S 25° 20' W 62.4 ft., mkd. BR x U15-3-4189
- thence N 68° 15' W
- 1055.8 Intersect line 4-1 of the Union No. 16 lode of this survey at S 18° 00' W 30.8 ft. from Cor. No. 1 thereof
- 1500.0 Cor. No. 4
- A granite ledge, 9x45 inches, 18 inches above the ground, for Cor. No. 4, mkd. U15-4-4189; from which
- A granite ledge, 15x55 inches, 40 inches above the ground, bears N 50° 40' W 13.3 ft. mkd. BR x U15-



- UNION NO. 11 lode.  
Beginning at Cor. No. 1 of the Union No. 11 lode  
A syanite rock, 25x8x4 inches, set 15 inches in the ground for Cor. No. 1, mkd. U11-1-4189; from which  
A mound of rocks, 3 ft. high, 3 ft. base, bears west-erly 3 ft.
- Cor. No. 4 Survey No. 1435 Immense No. 2 lode bears N. 17° 38' W 130.8 ft.  
Sec.  
The 1/4 Cor. between Secs. 23 and 26, T 20 S, R 9 E, G & S R B & M being a granite rock 12x20 inches, 5 inches above the ground, mkd. 1/4 on north face, bears N 1° 16' E 1558.9 ft. dist.  
thence S 17° 38' E
- 110.32 Intersect line 3-4 of the Union No. 16 lode of this survey at S 70° 53' E 780.34 ft. from Cor. No. 4 thereof
- 369.0 East end center, being a mound of rocks 3 ft. high, 3 ft. base, agreeing with east end center of the location
- 469.2 To Cor. No. 3, Survey No. 1435 Immense No. 2 lode
- 738.0 Cor. No. 2  
Set a granite rock, 26x10x5 inches, 14 inches in the ground for Cor. No. 2, mkd. U11-2-4189; from which  
A mound of rocks, 3 ft. high, 3 ft. base bears southerly 4 ft.  
thence N 72° 00' W
- 1500.0 Cor. No. 3  
Set a granite rock, 26x10x5 inches, 16 inches in the ground for Cor. No. 3, mkd. U11-3-4189; from which  
A mound of rocks, 3 ft. high, 3 ft. base, bears northeasterly 4 ft.  
thence N 17° 38' W 369
- 369.0 West end center, being a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the west end center of the location
- 738.0 Cor. No. 4  
Set a granite rock 24x9x6 inches, 14 inches in the ground for Cor. No. 4, mkd. U11-4-4189; from which  
A granite ledge, 18x48 inches, 14 inches above the ground bears S 39° 01' E 20.2 ft., mkd. BR x U11-4-4189  
A granite ledge, 30x33 inches, 34 inches above the ground bears N 57° 17' E 21.4 ft., mkd. BR x U11-4-4189  
A mound of rocks, 3 ft. high, 3 ft. base, bears southeasterly 3 ft.  
thence S 72° 00' E



4-4189  
 A granite ledge, 8x45 inches, 34 inches above the ground, bears N 36° 45' W 9.8 ft., mkd. BR x U15-4-4189  
 thence N 29° 47' E  
 302.95 West end center, being a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the west end center of the location.  
 605.9 Cor. No. 1 and place of beginning.

UNION NO. 16 lode.

Beginning at Cor. No. 1 of the Union No. 16 lode  
 A quartzite rock, 25x9x5 inches, set 15 inches in the ground for Cor. No. 1, mkd. U16-1-4189; from which  
 A porphyry rock, 8x18 inches, 18 inches above the ground, bears S 19° 48' E 19.8 ft., mkd. BR x U16-1-4189  
 A porphyry ledge, 36x46 inches, 42 inches above the ground, bears S 35° 36' W 25.2 ft., mkd. BR x U16-1-4189  
 A monument of rocks, 3 ft. high, 3 ft. base, bears easterly 5 ft.

Sec. Cor.

The 1/4 between Secs. 23 and 26, T 20 S, R 9 E, G & S R ~~B~~ M, previously described, bears N 33° 26' E 1003.35 ft. dist.

thence S 70° 53' E

1070.26 ft. intersect line 2-3 of the Union No. 15 lode of this Survey at N 29° 47' E 80.70 ft. from Cor. No. 3, thereof, and line 3-4 of the Union No. 10 lode of this survey at N 29° 47' E 217.82 ft. from Cor. No. 3 thereof

1500.0 Cor. No. 2

Set a granite rock, 25x10x5 inches, 15 inches in the ground for Cor. No. 2, mkd. U16-2-4189; from which

A mound of rocks, 3 ft. high, 3 ft. base, bears northeasterly 4 ft.

Cor. No. 3, Union No. 15 lode of this survey bears N. 81° W. 451.7 ft.  
 Cor. No. 3, " " " " " " 5.84° 38' W. 516.5 ft.  
 thence S 18° 00' W

300.0 East end center, being a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the east end center of the location.

390.0 Intersect line 4-1 of Survey No. 1435 Immense No. 2 lode at S 72° 00' E 860.0 ft. from Cor. No. 4 thereof and line 2-3 of the Union No. 10 lode of this survey at S 50° 39' E 508.8 ft. from Cor. No. 3 thereof

600.0 Cor. No. 3

A granite rock in place, 13x23 inches, 7 inches above the ground for Cor. No. 3, mkd. U16-3-4189; from which

A mound of rocks, 3 ft. high, 3 ft. base, bears northwesterly 4 ft.



- A granite rock, 19x21 inches, 19 inches above the ground bears S 18° 00' W 25.0 ft., mkd. BR x U16-3-4189
- A granite rock, 12x14 inches, 8 inches above the ground bears N 18° 00' E 31.5 ft., mkd. BR x U16-3-4189
- Cor. No. 4, Sur. No. 1435 Immense No. 2 lode bears N. 58° 17' W. 805.3 ft.
- " " 1, Union No. 11 lode of this survey bears N. 64° 28' W. 790.6 ft.
- thence N 70° 53' W
- 719.66 Intersect line 3-4 of Survey No. 1435 Immense No. 2 lode at S 17° 38' E 241.12 ft. from Cor. No. 4 thereof and line 1-2 of the Union No. 11 lode of this survey at S 17° 38' E 110.32 ft. from Cor. No. 1 thereof
- 1500.0 Cor. No. 4
- Set a syenite rock, 24x10x8 inches, 16 inches in the ground for Cor. No. 4, mkd. U16 -4-4189; from which
- A mound of rocks, 3 ft. high, 3 ft. base, bears northwesterly 4 ft.
- thence N 18° 00' E
- 74.44 Intersect line 4-1 Union No. 11 lode of this survey, N. 72° W. 715.92 ft. from Cor. No. 1 thereof.
- 300.0 West end center, being a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the west end center of the location.
- 569.2 Intersect line 3-4 Union No. 15 lode of this survey, N. 68° 15' W. 1055.8 ft. from Cor. No. 3 thereof.
- 600.0 Cor. No. 1 and place of the beginning.

LODE LINES

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

Union No. 10 lode, N 50° 39' W 300 ft.; and, S 50° 39' E 1200 ft.

Union No. 11 lode, S 72° 00' E 50 ft.; and N 72° 00' W 1450 ft.

Union No. 15 lode, S 68° 15' E 60 ft.; and N 68° 15' W 1440 ft.

Union No. 16 lode, S 70° 53' E 700 ft.; and N 70° 53' W 800 ft.

AREAS.

	Acres.
Total area, Union No. 10 lode - - - - -	20.645 ✓
Area in conflict with	0.000
Sur. No. 1435 Immense No. 2 lode	2.550
Surv. No. 1435 Immense No. 1 lode - - - - -	2.547 ✓
Sur. No. 1435 Grand No. 2 lode - - - - -	0.831 ✓
Sur. No. 1435 Grand No. 2 lode exclusive of its conflict with Sur. No. 1435 Immense No. 1 lode - - - - -	0.028
Total area, Union No. 11 lode - - - - -	20.655 ✓
Total area, Union No. 15 lode - - - - -	20.660
Total area, Union No. 16 lode - - - - -	20.657 ✓

Area in conflict with



	acres
Sur. No. 1435 Immense No. 2 lode - - - - -	3.669
Union No. 10 lode of this survey - - - - -	3.178
Union No. 11 lode of this survey - - - - -	1.404
Union No. 15 lode of this survey - - - - -	1.347

LOCATION

This survey is located in the N 1/2 of Sec. 26, T 20 S, R 9 E., G & S R ~~3~~ M., Arizona.

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

EXPENDITURE OF \$500

I certify that the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors is not less than \$500, and that said improvements consist of:-

UNION NO. 10

- No. 1 The discovery shaft of the Union No. 10, the center of which being the discovery point, is on the center line 300 ft. from the west end center, 4x6 ft., 10 ft. deep  
Value \$50
- No. 2 An open cut, the mouth of which bears S 45° 54' E 775 ft. from Cor. No. 4 of the Union No. 10 lode; 5 ft. wide, 15 ft. face running S 62° E 36 ft. to face; at face is tunnel 4x6 ft., running S 62° E 50 ft. to breast.  
Value of open cut and tunnel \$800
- No. 3 A shaft, the center of which bears from Cor. No. 3 of the Union No. 10 lode, S 86° 49' E 530 ft.; 8x10 ft., 20 feet deep, at bottom shaft continues 4x6 ft., 40 feet deep  
Value \$1000
- No. 4 An open cut, the mouth of which bears East 405 ft. from Cor. No. 3 of the Union No. 10 lode, 4 ft. wide, 10 ft. face, running S 60° E 12 ft. to face  
Value \$50
- No. 5 An open cut, the mouth of which bears S 88° 00' E 395 ft. from Cor. No. 3 of the Union No. 10 lode, 6 ft. wide, 10 ft. face, running S 10° E 15 ft. to face  
Value \$100
- No. 6 An open cut, the mouth of which bears S 88° 00' E 370 ft. from Cor. No. 3 of the Union No. 10 lode; 6 ft. wide, 8 ft. face, running S 10° W 10 ft. to face  
Value \$50
- No. 7 An open cut, the mouth of which bears East 350 ft. from Cor. No. 3 of the Union No. 10 lode, 6 ft. wide, 15 ft. face, running S 60° W 15 ft. to face  
Value \$100
- No. 8 A shaft, the center of which bears N 86° 30' E 340 ft. from Cor. No. 3 of the Union No. 10 lode, 4x6 ft., 10 ft. deep  
Value \$50
- No. 9 A shaft, the center of which bears N 76° 57' E 231 ft. from Cor. No. 3 of the Union No. 10 lode, 4x6 ft., 8 ft. deep  
Value \$40



No. 10. A shaft, the center of which bears N 76° 57' E 272 ft. from Cor. No. 3 of the Union No. 10 lode, 6x8 ft., 15 ft. deep, on west side of shaft is trench 6x8 ft. running N-70° W 40 ft. to west end  
Value shaft and trench \$ 500

No. 11 A shaft, the center of which bears N 69° 10' E 261 ft., from Cor. No. 3 of the Union No. 10 lode, 4x6 ft., 10 ft. deep  
Value \$50

No. 12 A shaft, the center of which bears N 67° 45' E 255 ft. from Cor. No. 3 of the Union No. 10 lode, 4x6 ft., 10 ft. deep  
Value \$50

No. 13 A trench, the east end of which bears N 57° 04' E 260 ft. from Cor. No. 3 of the Union No. 10 lode, 4x6 ft. running West 25 ft. to west end  
Value \$125

No. 1 The discovery cut of the Union No. 11 lode, the face of which being the discovery point is on the center line 50 ft. from the east end center, 6 ft. wide, 10 ft. face, running N 72° W 12 ft. to face  
Value \$75

No. 2 A shaft, the center of which bears N 44° 20' W 330 ft. from Cor. No. 2 of the Union No. 11 lode, 4x6 ft., 10 ft. deep  
Value \$50

No. 3 A trench, the east end of which bears N 46° 10' W 358 ft. from Cor. No. 2 of the Union No. 11 lode, 4x8 ft., running N 72° W 50 ft. to face  
Value \$500

No. 4 A shaft, the center of which bears N 44° 00' W 420 ft. from Cor. No. 2 of the Union No. 11 lode, 4x10 ft. 10 ft. deep  
Value \$85

No. 5 A shaft, the center of which bears N 45° 10' W 530 ft. from Cor. No. 2 of the Union No. 11 lode, 4x6 ft., 10 ft. deep  
Value \$50

No. 6 An open cut, the mouth of which bears N 64° 24' W 269 ft. from the east end center of the Union No. 11 lode 6 ft. wide, 12 ft. face, running N 72° W 18 ft. to face  
Value \$135

No. 7 A shaft, the center of which bears N 55° 45' W 292 ft. from the east end center of the Union No. 11 lode, 4x6 ft., 10 ft. deep  
Value \$50

UNION NO. 15  
No. 1 The discovery shaft of the Union No. 15 lode, the center of which being the discovery point is on the center line 60 ft. from the east end center, 4x6 ft. 10 ft. deep  
Value \$50

No. 2 An open cut, the mouth of which bears from Cor. No. 3 of the Union No. 15 lode, North 92 ft., 4 ft. wide, 10 ft. face, running N 10° E 12 ft. to face  
Value \$50

No. 3 An open cut, the mouth of which bears N 14° 05' E 220 ft. from Cor. No. 3 of the Union No. 15 lode, 5 ft.



- wide, 10 ft. face, running N 15° E 18 ft. to face  
Value \$100.
- No. 4 A shaft, the center of which bears N 8° 12' W 278 ft.  
from Cor. No. of the Union No. 15 lode, 4x6 ft., 10  
ft. deep.  
Value \$50.
- No. 5 A trench, the east end of which bears N 63° 30' W 295 ft.  
from the east end center of the Union No. 15, 3x5 ft.,  
running N 70° W 12 ft. to west end  
Value \$45
- No. 6 A shaft, the center of which bears N 32° 15' W 429 ft.,  
from Cor. No. 3 of the Union No. 15 lode, 8x8 ft., 6  
ft. deep  
Value \$75
- No. 7 A shaft, the center of which bears N 35° 22' W 516 ft.,  
from Cor. No. 3 of the Union No. 15 lode, 4x6 ft., 10  
ft. deep  
Value \$50
- No. 8 An open cut, the mouth of which bears S 88° 30' W 520 ft.,  
from Cor. No. 2 of the Union No. 15 lode, 5 ft. wide,  
10 ft. face, running West 28 ft. to face, at face is  
shaft 8x8 ft., 15 ft. deep  
Value Open Cut and Shaft \$350
- No. 9 An open cut, the mouth of which bears S 88° 30' W 560  
ft. from Cor. No. 2 of the Union No. 15 lode, 5 ft.  
wide, 8 ft. face, running West 15 ft. to face  
Value \$65
- No. 10 A shaft, the center of which bears N 89° 15' W 591 ft.,  
from Cor. No. 2 of the Union No. 15 lode, 6x6 ft., 8  
ft. deep  
Value \$60
- UNION NO. 16
- No. 1 The discovery cut of the Union No. 16 lode, the face of  
which being the discovery point is on the center line  
700 ft. from east end center, 6 ft. wide, 10 ft. face,  
running N 71° W 12 ft. to face  
Value \$75

A 1/20 interest in shaft, crosscuts, drifts and winze of  
the main workings of the Grand lode, Survey No. 1435, a  
claim of this contiguous group, has been allotted to each  
of the locations embraced in this survey

Value 1/20 interest \$605

\* (Insert \* page 11)

REPORT

Survey No. 1435 - Immense No. 1 lode:- Cor. No. 1 is a gra  
granite rock 8x12 inches, 6 inches above the ground  
ICCNo.1, mkd. ICN1 CN1; Cor. No. 3 is a granite rock 10x12  
inches, 15 inches above the ground mkd. ICN1 CN3 and  
ICN2 CN2 1435; Cor. No. 4 is a granite rock 2x12  
inches 14 inches above the ground mkd. ICN1 CN4 and  
ICN2 CN1 1435. I find line 3-4 to be N 17° 38' W  
instead of N 17° 45' W; line 4-1 to be N 78° 05' E  
instead of N 78° 15' E

Survey No. 1435 - Immense No. 2 lode:- Cor. No. 1 is id-  
entical with Cor. No. 4 of the Immense No. 1 lode;  
Cor. No. 2 is identical with Cor. No. 3 of the Immense  
No. 1 lode; Cor. No. 3 is a granite rock 4x12 inches  
8 inches above the ground mkd ICN2 CN3 1435; Cor. No.  
4 is a syenite rock 4x12 inches 8 inches above the  
ground mkd. ICN2 CN4 1435. I find line 1-2 to be S 17°  
38' E instead of S 17° 45' E; line 3-4 to be N 17° 38'



W instead of N 17° 45' W  
 Survey No. 1435 - Grand No. 2 lode:- Cor. No. 1 is a granite rock 8x10 inches 16 inches above the ground, mkd. GCN2 CN1; Cor. No. 3 is a granite rock 8x10 inches 8 inches above the ground mkd GCN2 CN3; Cor. No. 4 is a granite boulder in place 4x6 ft. 6 ft. above the ground mkd. GCN2 CN4 1435. I find line 3-4 to be N 20° 18' E instead of N 20° 00' E; line 4-1 to be S 34° 33' E 1503.6 ft. instead of S 34° 45' E 1500 ft.

No. 6  
 Value \$45

No. 7  
 Value \$50

No. 8  
 Value Open Cut and Shaft \$350

No. 9  
 Value \$65

No. 10  
 Value \$80

No. 1  
 Value \$75

Value \$200 Interest \$605

REPORT

Survey No. 1435 - Grand No. 2 lode:- Cor. No. 1 is a granite rock 8x10 inches 16 inches above the ground, mkd. GCN2 CN1; Cor. No. 3 is a granite rock 8x10 inches 8 inches above the ground mkd. GCN2 CN3 and GCN2 CN4; Cor. No. 4 is a granite boulder in place 4x6 ft. 6 ft. above the ground mkd. GCN2 CN4 1435. I find line 3-4 to be N 20° 18' E instead of N 20° 00' E; line 4-1 to be S 34° 33' E 1503.6 ft. instead of S 34° 45' E 1500 ft.



(To be inserted at \* on page 9)

\* The center of this shaft bears from Cor. No. 1, Survey No. 1435 Grand lode S.  $16^{\circ} 45'$  E. 317 ft. Incline  $60^{\circ}$  to the north. The shaft was inaccessible and the following record is from Company records that I believe are accurate. Previous depth of shaft 200 ft. From this level the shaft 6 x 9 ft. was sunk to the 250 ft. level and then 50 ft. below that, making a total additional depth of 100 ft. Shaft is timbered with 2 compartments, skipway, and manway.

Value, \$5000

From the 250 ft. level a drift 5x7 ft. runs  
 N.  $76^{\circ}$  W. 35 ft. to winze, 5x8 ft., 10 ft. deep  
 N.  $64^{\circ} 10'$  " 50 ft.  
 N.  $81^{\circ}$  W. 100 ft.  
 N.  $62^{\circ} 30'$  W. 25 ft.  
 N.  $30^{\circ} 15'$  W. 34 ft. to breast.

From the 250 ft. level of this shaft, drift 5x7 ft. runs East 20 ft.  
 N.  $51^{\circ} 15'$  E. 17 ft. to crosscut N.  $51^{\circ} 15'$  W. 35 ft.  
 S.  $73^{\circ} 45'$  E. 15 ft. to crosscut N.  $69^{\circ}$  E. 23 ft.  
 S.  $50^{\circ} 45'$  E. 48 ft.  
 East 16 ft.  
 N.  $62^{\circ} 30'$  E. 35 ft.  
 North 23 ft.  
 N.  $15^{\circ}$  W. 80 ft. to breast.

Value drifts, crosscuts and winze \$7100

Value of a 1-20 interest in shaft, crosscuts, drifts and winze \$605.

By "Previous depth" of the shaft is meant the depth of the shaft at the time of the location of the claims embraced in this survey and Survey No. 4189. The additional work outlined above has been done since the location of these lode mining claims.

The following is a list of elevations at certain points of Mineral Survey No. 4188 and Mineral Survey No. 4189 to accompany map showing the contiguous group of 20 claims; Survey No. 1435, Survey No. 4188 and Survey No. 4189. The elevations are referred to sea-level datum.

Survey No. 1435, Grand lode, mouth of tunnel, main workings, elevation 3423 ft.

Survey No. 4188;  
 Union No. 14, Cor. No. 4, 3250 ft.  
 Union No. 13, West end center, 3292 ft.  
 Cor. No. 2, 3270 ft.  
 Union No. 6, West End Center, 3435 ft.  
 Colorado, Cor. No. 2, 3649 ft.  
 Telluride, Cor. No. 1, 3656 ft.  
 Gladys, West End Center, 3445 ft.  
 Denver, Cor. No. 4, 3857 ft.

Survey No. 4189;  
 Union No. 10, Cor. No. 2, 3585 ft.  
 Union No. 15, Improvement No. 10, 3600 ft.  
 Union No. 16, Cor. No. 2, 3400 ft.  
 Cor. No. 4, 3750 ft.



# 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 \_\_\_\_\_

General Electric Company, known as the Union No. 10, Union

~~known as the~~ No. 11, Union No. 15 and Union No. 16 lodes

and showing the respective capacities in which they acted.

Keith Estes \_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Arman.*

\_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS

~~xxx~~ I, Keith Estes

and \_\_\_\_\_, 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 General Electric Company

known as the Union No. 10, Union No. 11, Union No. 15 and Union

~~known as the~~ No. 16 lodes

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully

and correctly executed, and the corner and boundary monuments established according to law and the instruc-

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

Keith Estes \_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Arman.*

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 18th

day of September, 19 36

W. B. Dewey

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

GOVERNMENT PRINTING OFFICE

My commission expires

6/28/39



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 July 8, 1936,  
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  
General Electric Company, known as the  
Union No. 10, Union No. 11, Union No. 15 and Union No. 16 lodes,  
situate in Arivaca Mining District,  
Pima County, Arizona, in Section  
26, Township No. 20 S, Range No. 9 E. G&SRM  
and designated as Survey No. 4189, 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 im-  
provements 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 in-  
cluded 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 17th  
day of September, 19 36

D. M. Simpson

Notary Public, in and for the County  
of Cochise, State of Arizona.  
My commission expires Aug. 9, 1937.



## OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

## Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

September 20, 1937

I, Office Cadastral Engineer at Phoenix, Arizona,

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

General Electric Company

known as the UNION NO.10, UNION NO.11, UNION NO.15, and UNION NO.16 lodes situate in Arivaca

Mining District Pima County Arizona

in Section 26, Township No. 20 S, Range No. 9 E., and

designated as Survey No. 4189, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant or its grantors,

and that said improvements consist of 17 shafts, 12 cuts, 1 tunnel, and 4 trenches, value \$4880. An undivided 1-20th interest, value \$605, in the main workings on the Grand lode, Sur. No. 1435, is credited to each claim in this survey.

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

Office Cadastral Engineer.



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

DEPARTMENT OF THE INTERIOR  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

September 20, 19 37

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 \_\_\_\_\_

General Electric Company

\_\_\_\_\_, known as the

UNION NO. 10, UNION NO. 11, UNION NO. 15, and UNION NO. 16 lodes

situate in Arivaca mining district,

Pima County, Arizona

in Section 26, Township No. 20 S., Range No. 9 E.,

designated as Survey No. 4189

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

Surveyor, September 3 - 8, 19 36 under my instructions dated

July 8, 19 36, 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*  
Office Cadastral Engineer.