

MINERAL SURVEY No. 5581ARIZONALand District.**FIELD NOTES**

OF THE SURVEY OF THE MINING CLAIM OF

Grand Pacific Copper Company

KNOWN AS THE

PACIFIC NO. 1, PACIFIC NO. 7, PACIFIC NO. 15, PACIFIC NO. 19,
PACIFIC NO. 25, PACIFIC NO. 28, and GRAND lodes.PioneerMining District,PinalCounty,Arizona.Section 12, Township 2 S., Range 12 E. G. and S.R.M.Surveyed under instructions dated April 26, 1919by EDWARD I. HAFYU. S. Mineral Surveyor.Claim located see location notices, 19Survey commenced May 1-, 1919Survey completed May 16 -, 1919Geo. D. Christy,Address of claimant's Atty. Phoenix, Arizona.**DATES OF AMENDED LOCATIONS.**Pacific No's. 7, 15 and 19 lodes - March 14 - 1919Pacific No's. 25 and 28 lodes - March 17 - 1919

MINERAL SURVEY NO. 3581

| Claims | M & B Desc. | Improvements | Loc. Notices |
|-------------------|-------------|--------------|-------------------|
| Grand Pacific No. | Pg. 10 | Pg. 18 | <u>Red Pg.</u> 14 |
| 1 | 1 | 12 | 2 |
| " 7 | 2 | 13 | 4 |
| " 13 | 4 | 13 | 6 |
| " 19 | 6 | 16 | 8 |
| " 25 | 7 | 17 | 10 |
| " 32 | 8 | 18 | 12 |

Mineral Survey No. 3581

Feet

Pacific No. 1 lode

Beginning at Cor. No. 1

Identical with Corner No. 1 Pacific No. 7 lode of this survey.

A Dacite rock 6 x 8 x 26 ins., set 18 inches in ground with mound of stone 3 ft. high along side.

Chiseled cross (x) at corner point and P. 1 - 1, P. 7, 1 - 3581 . Whence:-

The S. 1/4 Cor. Sec. 12, T 2, S Range 12 E, G and S. R. M. bears S 40° 03' E 822.50 ft.

No bearing objects available.

Thence S. 80° 54' W.

15. N.W. Cor. Pacific No. 8 and N. E. Cor. Pacific No. 2 lodes (unsurveyed) Claimant herein.

300. To S. end center-

A pine post 4" Sq. 4 1/2 ft. long set 18 inches in ground with mound of earth and stone, scribed S. End Center P. 1 - 3581.

315. N. End Center, Pacific No. 2 lode- (unsurveyed).

600. To Cor. No. 2-

Identical with Corner Nos. 2 - 3 Survey No. 2839 A Hillside No. 4 and Delaware lodes, Claimants unknown:

A Dacite rock 8 x 10 - 26 ins. set 18 inches in ground with mound of stone 3 ft. high along side.

Chiseled cross (x) at cor. point and P.1, 2- 3581 on the East face and D.- 3; H.4-2,2839 A on W. face.

No bearing objects available:

Thence N. 14° 19' W.

230. Bed of dry gulch 15 ft. wide runs westerly.

400. Bed of dry gulch 10 ft. wide runs southwesterly.

845. Wagon road course N. E. and Southwesterly:

1100. Bed of dry gulch 6 ft. wide runs southwesterly.

1210. Wagon Road Course Southwesterly and Northeasterly.

1500. To Cor. No. 3.

Identical with Cor. No. 2 Sur. No.2839 A Delaware, Cor. No. 4- Sur. No. 3094 Mountain View and cor. No. 3

Survey No. 3095 Ajax lodes, Claimants unknown.

A pine post 4" Sq. 4½ ft. long, set 18 ins. in ground with mound of earth and stone, scribed P. 1, 3- 3581, D. 2, 2839 A- M.V., 4- 3094 and A. 3 - 3095.

No bearing objects available.

Thence N. 80° 54' E.

262. Bed of dry gulch 4 ft. wide runs Southerly.

300. N. end center.

A Lime rock 10 x 12 x 26" set 18 ins. in ground with a mound of stone 3 ft. high alongside, scribed North end center P. 1- 3581.

550. Wagon road course, Northwesterly and Southeasterly.

600. To Cor. No. 4.

Identical with Cor. Nos. 3- 4 Sur. No. 3094, Mountain View and Iron Cap lodes- and with Cor. No. 2 Pacific No. 13 lode, this survey.

A Pine post 4" square, 4½ ft. long, set 18 ins. in ground with mound of earth and stone, scribed P. 1, P. 13, 2-3581, 4- 3581, M. V. 3, I. C. 4- 3094.

No bearing objects available.

Thence S. 14° 19' E.

27. Wagon road course Northwesterly and Southeasterly.

272.55 Wagon road course Southwesterly and Northeasterly.

290.25 West End center, Pacific No. 13 lode of this survey.

374. Wagon road- course, Northeasterly and Southwesterly.

517.55 Bed of dry gulch 6 ft. wide runs Southwesterly.

552.55 Bed of dry gulch 8 ft. wide runs Southwesterly.

557.55 Cor. Nos. 1 - 2, Pacific Nos. 13 and 19 lodes of this survey.

661.35 West end center- Pacific No. 19 lode of this survey.

961.35 Cor. Nos. 1 - 2, Pacific Nos. 19 and 7 lodes of this survey.

1231.35 West end center, Pacific No. 7 lode of this survey.

1290. Bed of dry gulch 12 ft. wide runs westerly.

1500. To Cor. No. 1, the place of beginning.

PACIFIC No. 7, Lode

Beginning at Cor. No. 1

Feet

Identical with Cor. No. 1, Pacific No. 1, lode of this survey hereinbefore described.

Whence:-

The S. $\frac{1}{4}$ Cor. Sec. 12, T 2 S., Range 12 East G and S. R. M. bears S 40° 03' E 822.50 ft.

Thence N 14° 19' W.

210. Bed of dry gulch 12 ft. wide runs westerly.

268.65 To West end center-

On line 4 - 1 Pacific No. 1 lode of this survey.

A Dacite rock 9 x 13 - 30 ins., set 18 inches in ground, with a mound of stone 3 ft. high alongside.

Chiseled cross (x) at center point and W. E. C. P. 7-3581.

538.65 To Cor. No. 2.

On line 4- 1, Pacific No. 1 lode of this survey.

Identical with Cor. No. 1, Pacific No. 19 lode of this survey.

A Dacite rock 8 x 11 x 28 ins., set 18 inches in ground, with mound of stone 3 ft. high alongside, chiseled cross (x) at corner point, and P. 7- 2, P. 19 -1- 3581.

No bearing objects available.

Thence N. 80° 54' E.

888. Bed of dry gulch 5 ft. wide runs southwesterly.

1500. To Cor. No. 3.

Identical with Cor. Nos. 4-4-3, Pacific No. 19, Pacific No. 25 and Grand lodes of this survey.

A Dacite rock 12 x 16 - 26" set 18 inches in ground with mound of stone 3 ft. high alongside.

Chiseled cross (x) at Cor. point and P. 7-3, P. 19 - 4, P. 25 - 4, G - 3 - 3581.

No bearing objects available.

Thence S 14° 19' E.

270. East end center-

Identical with W. end center Pacific No. 25 lode of this survey.

A Dacite rock 10 x 12 x 25" set 18 inches in ground

Feet

with mound of stone 3 ft. high alongside.

Chiseled cross (x) at center point, and E. E. C.,
P. 7, W. E. C., P. 25- 3581.

538.65

To Cor. No. 4-

On N. end line Pacific No. 20 lode. (unsurveyed)
Claimant herein.

Identical with Cor. No. 2- Pacific No. 25 lode
of this survey.

A Lime Rock 7 x 9 x 27 ins. set 18 inches in ground
with mound of stone 3 ft. high alongside.

Chiseled cross (x) at Corner point and P. 7 - 4,
P. 25- 3 - 3581.

No bearing objects available.

Thence S. 80° 54' W.

255. Bed of dry gulch 10 ft. wide runs Northwesterly.

315. Northwest corner Pacific No. 20 and N. E. Cor Pacific
No. 14 lodes (unsurveyed) Claimant herein.

915. N. W. Cor. Pacific No. 14 and N. E. Cor Pacific No. 8 lodes
(unsurveyed)

1500. To Cor. No. 1, the place of beginning.

PACIFIC No 13 lode.

Beginning at Cor. No. 1.

On Line 4 - 1, Pacific No. 1, lode of this survey

A cross (x) at corner point and P. 13, 1, P. 19-,
2- 3581. chiseled at the base of a sloping quartzite reef
in place, showing 30ft. long x 20 ft. high, with a mound of
stone 3 ft. high along side. Whence :-

The S. $\frac{1}{4}$ Cor. Sec. 12 T. 2 S., R. 12 E. G. and S.R.
M. bears S. 26° 17' 40" E. 1720.85 ft.

No other bearing objects available..

Thence N. 14° 19' W.

5. Bed of dry gulch , 8 ft. wide runs southwesterly.

40 Bed of dry gulch 6 ft. wide runs southwesterly.

183.55 Wagon road , course Northeasterly and southwesterly.

267.30 To West End Center.

On line 4-1 Pacific No. 1 lode, of this survey.

- A Lime rock 10x14x26 ins. set 18 ins. in the ground with a mound of stone 3 ft. high along side, Chiseled a cross (x) at center point and W.E.C.-P.13 - 3581 .088
285. Wagon road , course northeasterly and southwesterly.
- 530.55 Wagon road , course northwesterly and southeasterly.
- 557.55 To Cor. No. 2.
- Identical with Cor. No's. 3-4 Sur . No. 3094 Mountain View and Iron Cap lodes, and Cor. No. 4 Pacific No. 1 lode of this survey, hereinbefore described.
- Thence N. 80° 54' E.
595. Bed of dry gulch 6 ft. wide runs southwesterly.
600. Cor. No. 3 Sur. No. 3094 Iron cap lode and Cor. No. 4 Sur. No. 2838 Belmont lode, claimant unknown,.
770. Bed of dry gulch , 6 ft. wide , runs southwesterly.
1200. Cor.No's.3-4 Sur. No.2838 Belmont and Rawhide lodes
1500. To Cor. No. 3 .
- Identical with South End center Sur. No. 2838 Rawhide lode, and Cor. No. 4 Pacific No. 32 lode of this survey, A pine post 4 ½ ft. long 4 ins sq. set 2 ft. in the the ground with mound of earth and stone, a nail at corner point, scribed S.E.C.-R.-2838 - P.13,-3,- P.32-4- 3581.
- No bearing objects available.
- Thence S. 14° 19' E.
- 290.25 To East End Center .
- Identical with West end center Pacific No. 32 lode of this survey. A pacite rock 9x16x29 ins. set 18 ins. in the ground, with a mound of stone 3 ft. high along side, Chiseled E. E. C. P.13 - W.E.C. P.32 - 3581
- 557.55 To Cor. No. 4 .
- Identical with Cor. Nos. 3, Pacific No. 19, 3, Pacific No. 32, and 4 Grand lodes of this survey.
- A pacite rock 10x14x28 ins. set 16ins. in the ground, with a mound of stone 3 ft. high along side, chiseled a cross (x) at corner point and P.13-4, * P.19-3, -P.32-3, * G.4- 3581 .

No bearing objects available .

Thence S. $80^{\circ}54'$ W.

220. Trail 2 ft. wide , course northwesterly and southeast
erly.
1500. To Cor. No. 1 , the place of beginning.

PACIFIC NO. 19 lode

Beginning at Cor . No.1

On line 4-1 Pacific No. 1 lode , of this survey, at
N. $14^{\circ}19'$ W. 538.65 ft. from Cor. No. 1. and identical
with Cor. No. 2 Pacific No. 7 lode of this survey here-
inbefore described. Whence :-

The South $\frac{1}{4}$ Cor. Sec. 12 T.2 S. R. 12 E. G. and S.R. M.
bears S. $29^{\circ}54'40''$ E. 1328.48 ft.

Thence N. $14^{\circ}19'$ W.

300. To West End Center

On line 4-1 Pacific No. 1 lode of this survey, a
quartzite rock 12x14x26 ins. set 17 ins. in the ground,
with a mound of stone 3 ft. high along side, chiseled
a cross (x) at center point and W.E.C. p.19 - 3581.

- 403.80 To Cor. No. 2

On line 4-1 Pacific No. 1 lode of this survey,
and identical with Cor. no. 1 Pacific No. 13 lode of this
survey, hereinbefore described.

Thence N. $80^{\circ}54'$ E.

1280. Trail , 2 ft. wide, course northwesterly and southeast
-erly .

1500. To Cor. No. 3 .

Identical with Cor. No's. 4-3-4 Pacific No. 13,
Pacific No. 32 and grand lodes of this survey, herein-
before described.

Thence S. $14^{\circ}19'$ E.

- 103.80 To East End center.

Identical with West end center , Grand lode of
this survey, a Pacite rock 10x13x27 ins. set 18 ins. in

ground , with a mound of stone 3 ft. high along side,
Chiseled a cross(x) at center point and E.E.C. P.19 -
W.E. C. G. - 3581

403.80 To Cor. No. 4

Identical with Cor. No's. 3-4-3 - Pacific No. 7,
Pacific No. 25 and Grand lodes of this survey, hereinbe-
fore described.

Thence S. 80°54' W.

612 Bed of dry gulch 6 ft. wide , runs southwesterly.

1500. To Cor. No.1 the place of beginning .

PACIFIC No.25 LODE

Beginning at Cor. No.1

Identical with Cor. No.2 Grand lode, of this survey

A Dacite rock 6x9x27 ins. set 18 ins. in the ground, with
a mound of stone 3 ft. high along side, Chiseled a cross
(x) at corner point and P.25-1, G.-2 - 3581 Whence :-

The East $\frac{1}{4}$ cor. Sec. 12 T. 2 S. R. 12 E. G.and S.R.
M. bears N.17°55'30" E. 1015.41 ft.

No bearing objects available.

Thence S. 14°19' E.

270. To East End Center .

A Dacite rock 7x14x28 ins. set 18 ins. in the
ground , with a mound of stone 3 ft. high along side,
chiseled a cross (x) at center point and E.E.C. P.25 -
3581.

538.65 To Cor. No. 2

Identical with N.E. Cor. Pacific No. 33 lode, unsur-
veyed, claimant herein, and the S. W. Cor. Jupiter No.3
lode, unsurveyed , claimant unknown.

A dacite rock 11x14x 29 ins. ,set 18 ins. in the
ground , with a mound of stone 3 ft. high along side,
chiseled a cross (x) at corner point and P.25 -2 - 3581.

No bearing objects available.

- Thence S. 80°54' W.
615. N.W. Cor. Pacific No. 33 and N.E. Cor. Pacific No. 30 lodes
unsurveyed, claimant herein,
735. Bed of dry gulch 6 ft. wide , runs southwesterly.
1215. N.W. Cor. Pacific No. 30 and N.E. Cor. Pacific No. 20
lodes, unsurveyed claimant herein.
1500. To Cor. No. 3
Identical with Cor. No. 4 Pacific No. 7 lode of this
survey, hereinbefore described.
- Thence N. 14°19' W.
- 268.65 To West End Center.
Identical with East End Center Pacific No. 7 lode
of this survey , hereinbefore described.
- 538.65 To Cor. No. 4
Identical with Cor. No's. 3-4-3 Pacific No. 7,
Pacific No. 19, and Grand lodes of this survey, herein-
before described.
- Thence N. 80°54' E.
1460. Bed of dry gulch 4 ft. wide , runs southwesterly.
1500. To Cor. no. 1 the place of beginning.

PACIFIC No. 32 LODE

Beginning at Cor. No. 1.

Identical with S.E. Cor. dacite No. 7 , S.W. Cor.
Dacite No. 8 and N.W. Cor. Jupiter No. 3 lodes, Unsurvey-
-ed, claimant unknown. A dacite rock 9x14x30 ins. set
18 ins. in the ground , with four mounds of stone 3 ft.
high along side , chiseled a cross (x) at corner point
and P. 32 - 1 - 3581 . Whence :-

The East $\frac{1}{4}$ Cor. Sec. 12 T. 2 S. R. 12 E. G and S.R. M.
bears N. 86°24' E. 551.34 ft.

No bearing objects available .

Thence S. 14°19' E.

- 290.25 To East End Center.

- A dacite rock 6x10x30 ins. set 18 ins. in the ground with a mound of stone 3 ft. high along side, chiseled a cross (x) at center point and E.E. C. P.32 - 3581.
- 557.55 To Cor. No. 2.
- On the apex of Mountain Range, course Northwesterly and southeasterly.
- Identical with Cor. No.1 Grand lode, of this survey ; A dacite rock 14x15x28 ins. set 18 ins in the ground, with a mound of stone 3 ft. high along side; chiseled a cross (x) at corner point and P.32,27 G.- 1-3581 . No bearing objects available.
- Thence S. 80°54' W.
1500. To Cor. No. 3
- Identical with Cor. No's. 4-3-4 Pacific No. 13, Pacific No. 19 and Grand lodes, of this survey, hereinbefore described.
- Thence N. 14°19' W.
- 267.30 To West End Center:
- Identical with East End Center Pacific No. 13 lode of this survey hereinbefore described.
- 557.55 To Cor. No. 4.
- Identical with south end center Sur, No. 2838 Rawhide lode, and Cor. No. 3 Pacific No. 13 lode of this survey, hereinbefore described.
- Thence N.80 54' E.
300. Cor. No's. 3-4 Sur. No. 2838 Rawhide and Touch Not No. 2 lodes,
850. Apex of Mountain Range, course, northwesterly and southeasterly.
900. Cor. No. 3 Sur. No. 2838 Touch Not. No.2 lode, and the S.W. Cor. Dacite No.7 lode, (unsurveyed)
1500. To Cor. No. 1 the place of beginning.

GRAND LODE.

Beginning at Cor, No. 1.

Identical with Cor. No.2 Pacific No. 32 lode of this survey, hereinbefore described. Whence :-

The East $\frac{1}{4}$ Cor. Sec. 12 T. 2 S., Range 12 East, G. and S.R. M. bears N.35 39'20" E. 707,49 ft.

No bearing objects available.

Thence S.14°19' E.

103.80 To East End Center.

A dacite rock in place, showing 4x4x3 ft. above the general surface, with a mound of stone 3 ft. high along side, Chiseled a cross (X) at center point and E.E.C. G.-3581 .

366. Bed of dry gulch 3 ft. wide, runs southwesterly.

403.80 To Cor. No. 2.

Identical with Cor. No. 1. Pacific No. 25 lode of this survey, hereinbefore described .

Thence S.80°54' W.

40 . Bed of dry gulch 4 ft. wide, runs southwesterly.

1500. To cor. No. 3.

Identical with Cor. no's. 3-4-4 Pacific No.7, Pacific No. 19 and Pacific No. 25 lodes of this survey hereinbefore described.

Thence N. 14°19' W.

300. To West End Center.

Identical with East End center Pacific No. 19 lode of this survey, hereinbefore described.

403.80 To Cor. No. 4.

Identical with Cor. No's. 4-3-3 Pacific No.13, Pacific No. 19 and Pacific No. 32 lodes of this survey hereinbefore described.

Thence N. 80°54' E.

1500. To Cor. No.1 the place of beginning.

Variation at all corners 14° East

LODE LINES

As near as can be determined from present developments the lode lines of the several lode claims embraced in this survey extend from their respective discovery points as follows :-

Pacific No. 1 lode,

S. 14°19' E. 25. ft. and N. 14°19' W. 1475. ft.

Pacific No. 7 lode,

S. 80°54' W. 450. ft. and N. 80°54' E. 1050. ft.

Pacific No. 13 lode,

S. 80°54' W. 800. ft. and N. 80°54' E. 700. ft.

Pacific No. 19 lode,

S. 80°54' W. 1370. ft. and N. 80°54' E. 130. ft.

Pacific No. 25 lode,

S. 80°54' W. 565. ft. and N. 80°54' E. 935. ft.

Pacific No. 32 lode.

S. 80°54' W. 40. ft. and N. 80°54' E. 1460. ft.

Grand lode,

S. 80°54' W. 50 ft. and N. 80°54' E. 1450. ft.

A R E A .

| | |
|---------------------------------------|----------------|
| Total area Pacific No. 1 lode----- | 20.576 ✓ Acres |
| Total area Pacific No. 7 lode,----- | 18.472 ✓ " |
| Total area Pacific No. 13 lode, ----- | 19,120 ✓ " |
| Total area Pacific No. 19 lode, ----- | 13.847 ✓ " |
| Total area Pacific No. 25 lode, ----- | 18.472 ✓ " |
| Total area Pacific No. 32 lode, ----- | 19.120 ✓ " |
| Total area Grand lode, ----- | 13.847 ✓ " |

L O C A T I O N .

This survey is located in the south $\frac{1}{2}$ of Sec. 12 T. 2 S., R. 12 E. G. and S.R. M., in the Crook National Forest.

The survey of each lode of this claim is identical with the respective location as found marked on the ground.

Adjoining Claims

The Adjoining lode claims to this survey are as follows :-

On the North,

Dacite No.7 and Dacite No. 8 lodes, unsurveyed claimants unknown.

Sur. No. 2838 Touch Not No.2, Rawhide, Belmont, and Sur. No. 3094 Iron Cap lodes ; claimants unknown.

Sur. No. 3094 Mountain View lode, claimant unknown.

On the West

Sur. No. 2839 A, Delaware lode, claimant unknown.

On the East .

Jupiter No.3 lode, unsurveyed, claimant unknown.

On the South.

Pacific Nos. 2, 8, 14, 20, 30 and 33 lodes, unsurveyed claimant herein.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon or for the benefit of each of the lodes embraced in this claim by the claimant or its grantors is not less than five hundred dollars; and that said improvements consist of :-

On Pacific No. 1 lode,

No. 1 The discovery cut , the mouth of which is on the lode line, at N.14°19'W. 25 ft. from the south end center. 4 ft. wide runs S. 14°19' E. 18 ft. to a 10 ft. face, in mineralized quartzite .

Value \$100.00

No. 2 A shaft which bears from Cor, 4 S.3°35' E. 583. ft. 4x6 ft. 60 ft. deep.

Value \$750.00

No 3 A cut the mouth of which bears from cor. No. 4 S. 32° 40' W 318 ft. 5 ft. wide runs N. 15° W. 18 ft. to an 8 ft. face. at face of cut, a tunnel, 4x6 ft. runs N. 5° E. 20 ft. to face in mineralized limestone

Value of cut and tunnel \$320.00

No 4 A shaft which bears from cor, No 4 S. 11° 55' E. 340 ft. 5x7 ft. 15 ft. deep on a quartz vein

Value \$187.00

An undivided 1/37 interest in Improvement No. 3, Pacific No. 13 lode of this survey is accredited to this lode

Value \$ 1500.00

On Pacific No. 7 lode

No. 1 The discovery cut, the mouth of which is on the lode line at N. 80° 54' E. 450 ft. from the West End Center, 4ft. wide runs north 15 ft. to a 10 ft. face in mineralized quartz and quartzite

Value \$100.00

No. 2 A cut, the mouth of which bears from Cor. No. 1 N. 70° 40' E. 300 ft. 4ft. wide runs S. 15° E. 14 ft. to an 8ft. face in earth and rock.

Value \$80.00

No. 3 A cut the mouth of which bears from Cor. No. 4 S. 88° 10' W. 615' ft. 4 ft. wide runs S. 14° E. 15 ft. to an 8 ft. face in earth and rock

Value \$80.00

An undivided 1/37 interest in Improvement No. 3 Pacific No. 13 lode of this survey is accredited to this lode

Value \$ 1500.00

On Pacific NO. 13 lode

No. 1 The discovery incline shaft, the center of which is on the lode line at N. 80° 54' E. 800 ft. from the West End Center 6x7 ft. 80 ft. deep dip 30° course N. 75° E

- incline
- At bottom of ~~shaft~~ a drift 4x6 ft. runs N. 75° E. 20 ft. to face on a quartz vein and a drift 4x6 runs S. 10° E. 20 ft.
- Thence S. 13°40' W. 40ft. to connection with No.3 tunnel
- Value of shaft and drifts \$1950.00
- No.2 A cut the mouth of which bears from Cor. No.3 S. 17° 45' W. 121 ft. 4 ft. wide runs S. 85° E. 17 ft. to a 10 ft. face At face of cut a tunnel 4x6 ft. runs S.85° E. 41 ft. to face in mineralized limestone and quartz
- Value of cut and tunnel \$625.00
- No.3 A tunnel, the mouth of which bears from Cor. No.2 S. 78° 25' E. 783 ft. 6x7½ ft. runs S.75° 44' E. 504 ft. to point No. 2
- Thence N. 75° 38' E. 256 ft. to point No.3.
- Thence N. 75° 47' E. 80 ft. to point 4
- Thence N. 77° E. 35 ft. to face At point 3 a cross cut 5x7 ft. runs S. 7° 22' E. 102 ft. to point 11
- Thence S. 45° E. 14 ft. to face also at point 3 a cross cut. 5x7 ft. runs N. 0° 50' E. 31 ft. to point 5
- At point 5 a drift 5x7 ft. runs N. 56°15' E. 67 ft. to point 6 whence a cross cut 5x7 ft. runs N. 10° E. 31 ft. to bend Thence N. 21°30' W. 53 ft. to face
- Thence from point 6 N. 69°11' E. 26 ft. to point 7
- Thence N. 42° 47' E. 62 ft. to point 9
- Thence N. 82° 17' E. 31 ft. to point 10
- Thence N. 63° E. 41 ft. to face along a mineral bearing quartz vein.
- From point 9 a drift 5x6 ft. runs N. 40° E. 30 ft. to face and a winze station 20 ft. wide, 7 to 35 ft. high extends N. 24° W. 62ft. to face, at 33 ft. from point 9 in said station, is a winze 4½x9 ft. 500 ft. deep, timbered.
- At point 4 in No. 3 tunnel a raise 4x8 ft. extends upward 271 ft. on 59° 30' slope course S. 14° E.

connecting with the No. 2 tunnel on Pacific No. 19 lode,
At a point 150 ft. up said raise from point 4 a drift
4x6½ ft. runs N. 85° W. 16 ft.

Thence S. 62° W. 25 ft. to face and a drift 4x6½ ft.
runs N. 75° E. 22 ft.

Thence N. 63° E. 48 ft. Thence N. 26° E. 61 ft.
Thence N. 79° E. 45 ft. Thence S. 80° E. 29 ft.

Thence N. 47° E. 30 ft. Thence S. 69° E. 23 ft.

Thence S. 83° E. 26 ft. Thence N. 72° E. 28 ft.

to face all on a quartz vein

(This drift is known as the " A Level")

Value of tunnel, drifts, cross cuts, raise, winze
and station \$55500.00

An undivided 1/37 interest in this improvement is
accredited to this lode Value \$ 1500.00

This tunnel with the drifts, cross cuts, raise and
winze therefrom are being run for the joint development
of all the lodes of this survey and thirty adjoining
contiguous lode claims belonging to claimant herein
namely Pacific Nos. 1 to 36 inclusive and the Grand lode,
shown on the accompanying map.

The surface of the ground is rough and rugged,
raising very rapidly to the east and south from the mouth
of this tunnel which is located in an accessible point
from the road and camp and is a practicable and feasible
main working tunnel and shaft for the entire group. By
drifting and cross cutting toward and under all of the
lodes the entire group may be economically and advanta-
geously developed and ore extracted therefrom.

This improvement is therefore a common improvement
for the benefit of each lode of this group and a 1/37
undivided interest, value \$1500.
of the total value of this improvement
(\$ 55500.00) is properly accredited to each lode of
this claim.

No. 4

A cut, the mouth of which bears from Cor. No. 2
S. 82° 30' E. 835 ft. 5 ft. wide runs N. 35° E. 21 ft.

- to a 10 ft. face at face of cut a tunnel 4x6 ft. runs
N. 35° E. 10 ft. to face
Value of cut and tunnel. \$250.00
- No.5 A cut , the mouth of which bears from Cor. No.2
S. 89° 15' E. 810 ft. 4ft. wide runs N. 75° E. 23 ft. to
an 8ft. face, at face of cut a tunnel 4x6ft. runs
N.75° E. 14 ft. to face
Value of cut and tunnel \$275.00
- No. 6 A cut, the mouth of which bears from Cor. No.1
N.49° E. 490 ft. 5ft. wide runs S.45° E. 22 ft. to a
10ft. face, at face of cut a tunnel 4x6ft. runs
S.45° E. 16 ft. to face.
Value of cut and tunnel \$ 324.00
- No.7 A cut, the mouth of which bears from Cor. No.1
N. 50° 56' E. 308 ft. 5ft. wide runs S. 55° E. 13 ft.
to a 9ft. face, at face of cut a tunnel 4x6ft. runs
S. 55° E. 21 ft. to face.
Value of cut and tunnel \$336.00
- On the Pacific No. 19 lode.
- No. 1 The Discovery cut , the mouth of which is on the
lode line at S.80° 54' W. 130 ft. from the East End
Center 5ft. wide runs N. 50° E. 32 ft. to a 12ft. face
at face of cut, a tunnel 4x6ft runs N.49° 23' E. 38 ft.
Thence N.80° E. 77 ft. to face on a mineral bearing
quartz fissure in limestone.
Value of cut and tunnel \$1572.00
- No.2 A cut, the mouth of which is on the lode line at
S.80°54'W. 200 ft. from the East End Center 5ft. wide
runs N.48°E. 30 ft. to face, at face of cut , a tunnel
4x6ft. runs N.48°E. 66 ft. to point 1
Thence N. 72°E. 22ft. to point 2
Thence N. 56°E 65 ft. to point 3

Thence N.76° E. 83 ft. to point 4
 Thence S. 80° E. 20 ft. to point 5
 Thence N. 67° 34' E. 54 ft. to point 6
 Thence N. 62° 26' E. 25 ft. to point 7
 Thence N. 50° 57' E. 32 ft. to point 8
 Thence N. 15° 35' W. 40 ft. to point 9
 Thence N. 65° W. 18 ft. to face at point 6 a drift
 4x6ft. runs S. 7° 38' E. 27 ft. to point 10
 Thence S. 31° 30' E. 26 ft. to face and S.85° 46' E.
 21 ft. to point 11
 Thence from point 11 N.47°23' E. 39 ft. to point 12
 Thence from point 12 N. 42° 10' E. 24 ft. to face and
 N.12°W. 34 ft. to point 8 all on a mineral bearing
 quartz fissure in limestone.

Value of cut, tunnel and drifts \$7332.00

An undivided 1/37 interest in improvement No.3

Pacific No.13 lode of this survey is accredited to this
 lode Value \$1500.00

On the Pacific No. 25 lode.

No.1

The discovery shaft which is on the lode line at
 N. 80° 54' E. 565 ft. from the West End Center 4x6ft.
 8ft. deep in mineralized Dacite and quartz.

Value \$75.00

No.2

A shaft which bears from Cor. No. 2 S. 84°20' W. 915
 ft. 4x6ft. 8ft deep in mineralized dacite

Value \$ 75.00

No.3

A cut, the mouth of which bears from Cor. No.2
 N. 88°10'W. 580 ft 5ft. wide runs N.65°E. 18 ft. to an
 8ft. face in dacite

Value \$ 75.00

No4

A cut, the mouth of which bears from Cor. No.2
 N.72°50'W. 616 ft. 4ft. wide runs N.30°E. 18 ft. to an
 8ft. face in dacite

Value \$ 75.00

An undivided $1/37$ interest in improvement No.3
Pacific No.13 lode of this survey is accredited to this
lode

value \$1500.00

On Pacific No. 32 lode.

No.1 The discovery cut the mouth of which is on the lode
line at N.80°54'E. 25 ft. from the West End Center
5ft. wide runs N.80°54'E. 15 ft to 10 ft. face on
a quartz fissure in limestone.

Value \$80.00

No. 2 A cut, the mouth of which bears from Cor. No.4
S. 18°E. 208 ft. 4ft. wide runs N.80°E. 21 ft. to an
8ft. face in iron stained quartz and limestone

Value \$75.00

No.3 A cut, the mouth of which bears from Cor No. 1
S. 67°55' W. 320 ft. 4ft. wide runs S. 30° W. 19 ft.
to a 6ft. face in dacite

Value \$ 70.00

An undivided $1/37$ interest in improvement No.3
Pacific No. 13 lode of this survey is accredited to this
lode

Value \$1500.00

On the Grand lode.

No. 1 The discovery cut, the mouth of which is on the lode
line at N.80°54' E. 30 ft. from the west end center.
5 ft. wide , runs N.81° E. 20 ft. to a 10 ft. face, on
mineralized quartz fissure in limestone.

Value \$ 80.00

An undivided $1/37$ interest in improvement No. 3
Pacific No. 13 lode of this survey is accredited to this
lode.

Value \$ 1500.00

OTHER IMPROVEMENTS

An iron and frame Engine room, the S.W. Cor. of which bears from Cor. No. 2 Pacific No. 13 lode, S.71° E. 713 ft. 16 x 40 ft. course of long side N.32°30' E.

An iron and frame shop, the S. W. Cor. of which bears from Cor. No. 2 Pacific No. 13 lode, S.71°45'E. 674 ft. 16 x 20 ft. course of long side N.32°30' E.

An iron and frame change room, the N.W. Cor. of which bears from Cor. No. 2 Pacific No. 13 lode, S.76°20' E. 755 ft. 12 x 16 ft. course of long side N.68° E.

An iron and frame store room, the S. W. Cor. of which bears from Cor. No. 2 Pacific No. 13 lode, S.79°40' E. 750 ft. 10 x 12 ft. course of long side N.89° E.

An iron and frame Ore house, the S. W. Cor. of which bears from Cor. No. 2 Pacific No. 13 lode, S.87°10' E. 540 ft. 16 x 28 ft. course of long side S.67° E.

All of the above belong to claimant herein.

INSTRUMENT

This survey was made with a C.L.Berger and Sons No.2 Transit, The courses were deflected from the true meridian as determined by direct solar observations,

The distances were measured with 100 ft and 500 ft. steel tapes.

R E P O R T

All lines and ties in this survey were run upon the ground and the courses and distances found to be as herein given.

The East $\frac{1}{4}$ Cor. Sec. 12 T. 2 S., R.12 E. G.and S.R.M. is a Dacite rock 12 x 14 ins. set in a mound of earth and stone, properly chiseled, with a mound of stone along side.

The $\frac{1}{4}$ Cor. between Sec's. 12 and 13 T. 2 S.,R.12 E. G.and S.R. M. is a Limestone 6 x 15 ins. set in a mound of earth and stone, properly chiseled, with a mound of stone along side.

The Jupiter No.3, Dacite No.7 and Dacite No.8 lodes unsurveyed, All corners are small marked stakes set in mounds of stone.

Pacific No's. 2,8, 14, 20, 30 and 33 lodes, unsurveyed, claimant herein.

All corners are marked stakes set in mounds of stone.

Sur. No. 2838 Touch Not No.2 , Rawhide and Belmont lodes. All corners are pine posts 4 ins. sq. 4 ft. long properly set and scribed, except Cor. No. 3 Touch Not. No.2 lode, which is a rock in place, properly chiseled.

Sur. No. 3094 Iron Cap and Mountain View lodes.

All corners are pine posts 4 ins. sq. 4 ft. long properly set and marked .

Sur. No. 3095 Ajax lode.

All corners are pine posts 4 ins. sq. 4 ft. long properly set and scribed .

Sur. No. 2839 A Delaware and Hill side No.4 lodes.

All corners are pine posts 4 ins. sq. 4 ft. long properly set and scribed, except Cor. No's. 3-2 Delaware and Hillside No. 4 lodes which was found lying on the ground in a badly burned condition and replaced by the stone corner set for Cor. No. 2 Pacific No. 1 lode of this survey

N O T E

The disagreements between these field notes and the location certificates are due to errors in the latter.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edward L. Haff

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

Grand Pacific Copper Company. Known as the Pacific No.1, Pacific No.7, Pacific No.13, Pacific No.19, Pacific No. 25, Pacific No. 32 known as the and Grand lodes.

and showing the respective capacities in which they acted.

J. P. Campbell, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

~~We~~, I, J. P. Campbell

~~and~~....., do solemnly swear that we assisted

Edward L. Haff, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Grand Pacific Copper Company

Known as the Pacific No.1, Pacific No. 7, Pacific No. 13, Pacific No.19, known as the Pacific No. 25, Pacific No. 32 and Grand 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 United States Surveyor-General for Arizona

J. P. Campbell, Chainman.

....., Chainman.

....., Axman.

....., Flagman

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

day of May, 19 19

John M. Pearson
Notary Public

My Comm. expires
Jan 10 1920

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Edward L. Haff, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 26 - 1919, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Grand Pacific Copper Company. Known as the Pacific No. 1, Pacific No. 7, Pacific No. 13, Pacific No. 19, Pacific No. 25, Pacific No. 32 and Grand Lodes, situate in Pioneer Mining District, Pinal County, Arizona, in Section 12, Township No. 2 S., Range No. 12 E. G. and S. R. M., and designated as Survey No. 3581, 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 Surveyor General with said instructions, and that all the 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.

Edward L. Haff
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edward L. Haff.
U. S. Mineral Surveyor, before me a Notary Public in and
for Pinal County, Arizona this 3rd
day of June, 1919

John M. McPherson
Notary Public
My Commission expires Jan 10 1920.

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

October 27, 1919

I, U. S. Surveyor-General for.....the District of Arizona.....
do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey
of the mining claim of the.....
.....Grand Pacific Copper Company
Pacific No. 1, Pacific No. 7, Pacific No. 13, Pacific No. 19,
known as the Pacific No. 25, Pacific No. 32 and Grand lodes
situate in.....Pioneer.....
Mining District,.....Pinal.....County,.....Arizona.....
in Section 12....., Township No. 2 S....., Range No. 12 E., G&S.R. B&M, and
designated as Survey No. 3581....., 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.

And I further certify that five hundred dollars' worth of labor has been expended or improve-
or for each of
ments made upon said mining claims by claimant or its grantors, and that said improvements
consist of 18 cuts, 9 tunnels, 5 shafts, 7 drifts, 3 crosscuts,
1 station, 1 winze and 1 raise, total value \$70,386, of which
\$45,000 is reserved for claims not in this survey. As improve-
ment No. 3 on the Pacific No. 13 lode is a common improvement for
the benefit and development of the 7 claims in this survey and 30
unsurveyed claims, viz., Pacific Nos. 2 to 6, 8 to 12, 14 to 18,
20 to 24, 26 to 31, 33 to 36, and the Grand lode, an undivided
1/37 interest therein, value \$1500, is properly credited to each of
said claims,
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.

(S) Frank P. Trott,

United States Surveyor-General for.....Arizona.....

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

October 27, 1919

I, U. S. Surveyor-General for the District of Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of the Grand Pacific Copper Company, known as the Pacific No. 1, Pacific No. 7, Pacific No. 13, Pacific No. 19, Pacific No. 25, Pacific No. 32, and Grand lodes, known as the

situate in Pioneer mining district,

Pinal County, Arizona,

in Section 12, Township No. 2 S., Range No. 12 E.

G&SRB&M, designated as Survey No. 3581

executed by Edward L. Haff, United States Mineral

Surveyor, May 1-16, 1919 under my instructions dated

April 26, 1919, have been critically examined and the necessary cor-

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

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

[Handwritten signature]

U. S. Surveyor-General for Arizona.