

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (942)  
BUREAU OF LAND MANAGEMENT M.S. 3369  
ARIZONA STATE OFFICE

---

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Sahuara, Nugget Extension, Cholla, Nugget Fraction, Horn Silver, Horn Silver No 1, Horn Silver No 2, Santiago, Silver Nugget, Lead Boulder, and Nugget lodes, Mineral Survey No. 3369, located in Township 8 South, Range 5 East, Gila and Salt River Meridian, Arizona, are hereby canceled.

These claims have not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Sahuara, Nugget Extension, Cholla, Nugget Fraction, Horn Silver, Horn Silver No 1, Horn Silver No 2, Santiago, Silver Nugget, Lead Boulder, and Nugget lodes, M.S. 3369 were canceled April 15, 1993, by memo 9605 (942) M.S. 3369, which is now a part of the original field notes."

April 15, 1993  
Date

*Sanny K. Tallot*  
Acting Chief Cadastral Surveyor of Arizona

*Platted*  
Copied 8-14-17,

A. L. H.

4-683

Mar 4-1917

Mar 13 1917

MINERAL SURVEY No. 3369

LOT No. \_\_\_\_\_

Arizona Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Frank M. Leonard

037190

KNOWN AS THE

SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER, HORN SILVER NO. 1, HORN SILVER NO. 2, SILVER NUGGET, LEAD BOULDER, NUGGET and SANTIAGO lodes.

Casa Grande Mining District,

Pinal County, Arizona.

Sections 23, 24, 25, 26, Township 8 South, Range 5 East. Unapproved.

Surveyed under instructions dated March 12th., 1917.

by Paul E. Fernald  
U. S. Mineral Surveyor.

Claim located (see location notices attached)

Survey commenced March 26th., 19 17

Survey completed April 16th., 19 17

Address of claimant Frank M. Leonard  
Casa Grande, Ariz.

MINERAL SURVEY NO. 3369			
Claims	M & B Desc.	Improvements	Loc. Notices
Cholla	Pg. 4	Pg. 17	Red Pg. 3
Horn Silver	8	18	9
Horn Silver No. 1	10	19	11
Horn Silver No. 2	11	20	13
Lead Boulder	3	16	17
Nugget	2	15	19
Nugget Extension	7	17	5
Nugget Fraction	5	17	7
Sahuara	6	17	1
Santiago	9	19	21
Silver Nugget	1	14	15

1A

2.95  $\frac{4000}{11770}$  = \$17.00  
3 plats - ash ea. 1.50



U.S. MINERAL SURVEY NO. 3369.

Feet. SILVER NUGGET LODE.  
 Beginning at Cor.No.1,  
 A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded with monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, 1 - Silver Nug.  
 Whence the W. $\frac{1}{4}$  Cor.of Section 19, T.8 S, R.6 E, G.& S.R. B.& M. bears S  $85^{\circ} 53\frac{1}{2}'$ E, 8722.20 feet.  
 Old location monument of stones bears N  $63^{\circ} 30'$ E, 9.6 feet. Monument 3 feet high.  
 Thence S  $5^{\circ} 13'$ W  
 300.00 East End Center - monument of stones 3 feet high, whence old end center monument of location bears N  $79^{\circ} 4'$ E, 12.4 feet, a monument of stones 3 feet high.  
 600.00 Cor.No.2.  
 A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, 2 - Silver Nug.  
 Whence old location monument of stones, 3 feet high, bears S.  $68^{\circ} 7'$ E, 10.8 feet.  
 Thence S  $79^{\circ} 4'$ W  
 1500.00 Cor.No.3, identical with Cor.No.1, Lead Boulder Lode, this survey, and Cor.No.2, Nugget Lode, this survey.  
 A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, and 3 - Silver.Nug. for this corner.  
 Thence N  $5^{\circ} 13'$ E  
 300.00 West end center monument of stones, 3 feet high.  
 600.00 Cor.No.4, identical with Cor.No.1 Nugget Lode, this survey. A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369, and 4 - Silver Nug. for this corner.  
 Thence N  $79^{\circ} 4'$ E

- 1500.00 Cor.No.1, the point of beginning.  
NUGGET LODE.  
 Beginning at Cor.No.1, identical with Cor.No.4, Silver Nugget Lode, this survey, heretofore described.  
 Brass cap on pipe stamped 1 - Nugget, for this lode.  
 Whence the West  $\frac{1}{4}$  Cor.of Section 19, T.8 S., R.6 E, G.& S. R.B.& M. bears S,  $88^{\circ} 5' E$ , 10178.20 feet.  
 Thence, S  $5^{\circ} 13' W$
- 300.00 East End Center - monument of stones 3 feet high.
- 600.00 Corner No.2. identical with Cor.No.3 Silver Nugget Lode, this survey, heretofore described.  
 Brass cap on pipe stamped 2 - Nugget, for this lode.  
 Thence N  $88^{\circ} 14' W$
- 750.00 Side Center - monument of stones 3 feet high.
- 1500.00 Cor.No.3:  
 Identical with Cor.No.1, Nugget Fraction Lode, this survey and with the West end center of Lead Boulder Lode, this survey, and falling at point 987.55, line 2 - 3, Cholla Lode, this survey.  
 A 1 inch iron pipe,  $3\frac{1}{2}$  feet long, with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369. and marked 3 - Nugget for this lode.  
 Whence Cor.No.4 Lead Boulder Lode, this survey, bears N  $7^{\circ} 30\frac{1}{2}' E$ , 300.00 feet.  
 Thence N  $5^{\circ} 13' E$
- 300.00 West end center - monument of stones 3 feet high.
- 600.00 Corner No.4.  
 Identical with Cor.No.2, Nugget Fraction Lode, this survey,  
 A 1 inch iron pipe,  $3\frac{1}{2}$  feet long, with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, and marked 4 - Nugget for this lode.  
 Thence S  $88^{\circ} 14' E$
- 750.00 Side Center monument of stones 3 feet high.
- 1500.00 Cor.No.1, the point of beginning.



LEAD BOULDER LODGE.

Beginning at Cor.No.1, Identical with Cor.No.2 Nugget lode, and with Cor.No.3, Silver Nugget Lode, this survey, heretofore described. Brass cap on pipe stamped

I - Lead Bldr. for this lode.

Whence the W.  $\frac{1}{4}$  Cor. of Section 19, T 8 S, R 6 E, G. & S. R. B. & M. bears N 88° 33' 40" E, 10230.30 feet.

Thence S 7° 30'  $\frac{1}{2}$  W

300.00 East end center monument of stones 3 feet high.

600.00 Cor.No.2.

A 1 inch iron pipe, 3  $\frac{1}{2}$  feet long with claw base, set 1  $\frac{1}{2}$  feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S. Mineral Survey No. 3369, 2

Lead Bldr.

Thence N 76° 45' 20" W

513.96 Intersects line I-2, Cholla Lode, this survey, at point S 6° 20' W, 248.10 feet from Cor.No.2.

1500.00 Cor.No.3.

A 1 inch iron pipe, 3  $\frac{1}{2}$  feet long with claw base, set 1  $\frac{1}{2}$  feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S. Mineral Survey No. 3369, 3

Lead Bldr.

Whence Cor.No.2, Cholla Lode, this survey, bears N 88° 48' E, 987.40 feet.

Thence N 7° 30'  $\frac{1}{2}$  E

300.00 West end center monument - identical with Cor.No.3 Nugget Lode, this survey, heretofore described.

Intersects line 2-3, Cholla Lode, this survey, at point N 73° 43'  $\frac{1}{2}$  W, 987.55 feet from Cor.No.2.

600.00 Cor.No.4.

A 1 inch iron pipe, 3  $\frac{1}{2}$  feet long, with claw base, set 1  $\frac{1}{2}$  feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S. Mineral Survey No. 3369, 4

Lead Bldr.

Thence S 76° 45' 20" E

1500.00 Cor.No.1, the point of beginning.

CHOLLA LODE.

Beginning at Cor.No.1

A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369, 1 - Cholla.

Whence U.S.L.M.No.3369 bears S 76° 35½'E, 1577.59 feet.

Thence N 6° 20'E

300.00 East end center - monument of stones 3 feet high.

351.90 Intersects line 2-3, Lead Boulder Lode, this survey, at point S 76° 45' 20"E, 986.04 feet from Cor.No.3.

600.00 Cor.No.2.

A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369. 2 - Cholla.

Whence the corner of sections 23, 24, 25, 26, T 8 S, R 5 E, G. & S.R.B. & M. (surveyed but not yet approved) bears S 10° 16'E, 263.69 feet.

Thence N 73° 43½'W

987.55 Intersects line 3-4 Lead Boulder Lode, this survey at its West end center - N 7° 30½'E, 300.00 feet from Cor. No.3. This point also identical with Cor.No.1, Nugget Fraction Lode, this survey.

1500.00 Corner No.3.

A 1 inch iron pipe. 3½-feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369, and marked 3 - Cholla for this lode.

This corner is identical with Cor.No.2, Horn Silver Lode, this survey.

Whence Cor.No.4, Nugget Fraction Lode, this survey, bears N 89° 16'W, 182.27 feet.

Thence S 6° 20'W

36.46 Intersects line 4-1, Nugget Fraction Lode, this survey, at a point N 77° 47'W, 507.43 feet from Cor.No.1.



U.S. MINERAL SURVEY NO. 3369.

300.00 West end center - monument of stones 3 feet high.

.568.26 Intersects line 2-3 Santiago Lode, this survey, at point  
N 68° 0' W, 313.43 feet from Cor.No.2.

600.00 Cor.No.4.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No.3369, 4-Cholla.  
Thence S 73° 43½' E.

306.39 Cor.No.2, Santiago Lode, this survey.

1500.00 Cor.No.1, the point of beginning.  
NUGGET FRACTION LODE.  
Beginning at Cor.No.1,  
Identical with Cor.No.3, Nugget Lode, this survey, heretofore described. Brass cap on pipe stamped 1 Nug.Fract. for this lode.  
Whence U.S.L.M.No.3369 bears S 62° 51' E, 2715.59 feet.  
This Cor.falls on line 2-3 Cholla Lode, this survey, whence Cor.No.3 bears N 73° 43½' W, 512.45 feet.  
Thence N 5° 13' E

300.00 East end center - monument of stones 3 feet high.

600.00 Cor.No.2.  
Identical with Cor.No.4, Nugget Lode, this survey, heretofore described. Brass cap stamped 2-Nug.Fract. for this lode.  
Thence N 77 47' W

689.79 Cor.No.3.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground, with monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No.3369, and marked 3 - Nug.Fract. for this lode.  
Thence S 5° 13' W

300.00 West End Center - monument of stones 3 feet high.

525.83 Intersects line 2-3, Horn Silver Lode, this survey, at point N 66° 32' W, 191.34 feet from Cor.No.2.

600.00 Cor.No.4.

A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369, and marked 4-Nug. Fract. for this lode.

Whence Cor. No. 2, Horn Silver Lode, this survey, bears S  $89^{\circ} 16' E$ , 182.27 feet.

Thence S  $77^{\circ} 47' E$

182.36 Intersects line 1-2, Horn Silver Lode, this survey, at point S  $6^{\circ} 20' W$ , 36.46 feet from Cor. No. 2.

Identically, intersects line 3-4, Cholla Lode, this survey, at point S  $6^{\circ} 20' W$ , 36.46 feet from Cor. No. 3.

689.79 Cor. No. 1, the point of beginning.

SAHUARA LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 3, Nugget Fraction Lode, this survey, heretofore described. Brass cap stamped 1 - Sahuara for this lode.

Whence U.S.L.M. No. 3369-bears S  $56^{\circ} 51\frac{1}{2}' E$ , 3625.85 feet.

Thence N  $14^{\circ} 0' W$

315.00 East end center - 4x4" post 4 feet above ground in mound of stones.

630.00 Cor. No. 2.

A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369.

2 - Sahuara.

Thence N  $66^{\circ} 32' W$

1500.00 Cor. No. 3.

A 1 inch iron pipe,  $3\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369,

3 - Sahuara.

Thence S  $14^{\circ} 0' E$

315.00 West end center - 4x4" post 4 feet above ground in mound of stones.



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- 630.00 Cor.No.4.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369.  
Thence S 66° 32' E
- 1500.00 To Cor.No.1, the point of beginning.  
NUGGET EXTENSION LODE.  
Beginning at Cor.No.1.  
Identical with Cor.No.4, Nugget Fraction Lode, this survey, heretofore described. Brass cap marked I - Nug.Ext. for this lode.  
Whence U.S.L.M.No.3369 bears S 65° 52' E, 3386.54 feet.  
Thence N 5° 13' E
- 74.17 Intersects line 2-3, Horn Silver, at point S 66° 32' E, 1308.66 feet from Cor.No.3.
- 300.00 East end center - monument of stones 3 feet above ground.
- 600.00 Cor.No.2,  
Identical with Cor.No.3, Nugget Fraction Lode and Cor.No. I Sahuara Lode, this survey, heretofore described. Brass cap stamped 2 - Nug.Ext. for this lode.  
Thence N 66° 32' W
- 1500.00 Cor.No.3.  
Identical with Cor.No.4 Sahuara Lode, this survey, heretofore described. Brass cap stamped 3 - Nug.Ext. for this lode.  
Thence S 5° 13' W
- 300.00 West end center - 4x6 post 4 feet above ground, in mound of stones.
- 582.87 Intersects line 2-3, Horn Silver No.1 Lode, at point N 83° 52½' W, 181.73 feet from Cor.No.2.
- 600.00 Cor.No.4.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369, 4 - Nug.Ext.  
Whence Cor.No.2, Horn Silver No.1 Lode, identical with



Cor.No.3, Horn Silver Lode, both of this survey, bears S 89° 16'E, 182.37 feet.

Thence S 66° 32'E

189.83 Intersects line I-2, Horn Silver No.I Lode, this survey at point S 6° 20'W, 73.71 feet from Cor.No.2.

Identically intersects line 3-4, Horn Silver Lode, this survey, at point S 6° 20'W, 73.71 feet from Cor.No.3.

1500.00 Cor.No.1, the point of beginning.

HORN SILVER LODE.

Beginning at Cor.No.1.

Identical with Cor.No.4, Cholla Lode, this survey, heretofore described. Brass cap stamped 1 - Horn Sil. for this lode.

Whence U.S.L.M.No.3369 bears S 75° 11½'E, 3076.66 ft.

Thence N 6° 20'E

31.74 Intersects line 2-3 Santiago Lode, this survey, at point S 68° 0'E, 1186.57 feet from Cor. No.3.

300.00 East end center - monument of stones 3 feet high.

563.54 Intersects line 4-1 Nugget Fraction Lode, this survey, at point S 77° 47'E, 182.36 feet from Cor.No.4.

600.00 Cor.No.2.

Identical with Cor.No.3 Cholla Lode, this survey, heretofore described. Brass cap stamped 2 - Horn Sil. for this lode.

Thence N 66° 32'W

191.34 Intersects line 3-4 Nugget Fraction Lode, this survey, at point N 5° 13'E, 74.17 feet from Cor.No. 4.

Identically intersects line 1-2, Nugget Extension Lode, this survey, at point N 5° 13'E, 74.17 feet from Cor.No.1.

1500.00

Cor.No.3,

A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3369, 3 - Horn Sil.

Thence S 6° 20'W

73.71 Intersects line 4-I Nugget Extension Lode, this survey,



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at point N 66° 32' W, 1310.17 feet from Cor.No.1.

300.00 West end center - monument of stones 3 feet high.

569.84 Intersects line 2-3, Horn Silver No.2 Lode, this survey,  
at point N 83° 52½' W, 291.34 feet from Cor.No.2.

600.00 Cor.No.4.

A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground, and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3369. 4 - Horn Sil.

Whence Cor.No.2, Horn Silver No.2 Lode, this survey, bears S 89° 47' E, 293.00 feet.

Thence S 66° 32' E

304.45 Cor.No.3, Santiago Lode, this survey.

At this point intersects line 1-2, Horn Silver No.2 Lode, this survey, at point S 6° 31' W, 120.91 feet from Cor.No.2.

1500.00 Cor.No.1, the point of beginning.

SANTIAGO LODE.

Beginning at Cor.No.1.

A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3369, 1 - Santiago.

Whence U.S.L.M.No.3369 bears S 87° 49½' E 2750.44 feet.

Thence N 6° 31' E

300.00 East end center - post 4 inches in diameter in mound of stones. Post 4 feet above ground.

600.00 Cor.No.2.

A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3369, 2 - Santiago.

This corner falls at point on line 4-1 Cholla Lode, this survey, S 73° 43½' E, 306.39 feet from Cor.No.4.

Thence N 68° 0' W

313.43 Intersects line 3-4, Cholla Lode, this survey, at point N 6° 20' E, 31.74 feet from Cor.No.4.

Identically, intersects line 1-2, Horn Silver Lode, this



survey, at point N 6° 20' E, 31.74 feet from Cor.No. I.  
 1500.00 Cor.No. 3.  
 A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369, 3-Santiago.  
 This corner falls on line 4-I, Horn Silver Lode, this survey, at point N 66° 32' W, 1195.55 feet from Cor.No. I.  
 Thence S 6° 31' W  
 179.09 East end center monument, Horn Silver No. 2 Lode, this survey.  
 300.00 West end center - monument of stones 3 feet high.  
 479.09 Cor.No. 1, Horn Silver No. 2 Lode, this survey.  
 600.00 Cor.No. 4.  
 A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3369, 4-Santiago.  
 Thence S 68° 0' E  
 1500.00 Cor.No. 1, the point of beginning.  
HORN SILVER NO. 1 LODE.  
 Beginning at Cor.No. I.  
 Identical with Cor.No. 4, Horn Silver Lode, this survey, heretofore described. Brass cap stamped 1 - Horn Sil. I, for this lode.  
 Whence U.S.L.M.No. 3369 bears S 72° 21½' E, 4565.10 feet.  
 Thence N 6° 20' E  
 30.16 Intersects line 2-3, Horn Silver No. 2 Lode, this survey, at point S 83° 52½' E, 1207.75 feet from Cor.No. 3.  
 300.00 East end center - monument of stones 3 feet high.  
 526.29 Intersects line 4-I, Nugget Extension Lode, this survey, at point S 66° 32' E, 189.83 feet from Cor.No. 4.  
 600.00 Cor.No. 2.  
 Identical with Cor.No. 3, Horn Silver Lode, this survey, heretofore described. Brass cap stamped 2 - Horn Sil. I, for this lode.  
 Thence N 83° 52½' W  
 181.73 Intersects line 3-4, Nugget Extension Lode, this survey,



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- at point N 5° 13'E, 17.13 feet from Cor.No.4.
- 1499.99 Cor.No.3.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369, 3-Horn Sil.1.  
Thence S 6° 20'W
- 300.00 West end center - 4x6" post 4 feet above ground in mound of stones.
- 600.00 Cor.No.4.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369, 4-Horn Sil.1.  
Whence Cor.No.3, Horn Silver No.2 Lode, this survey, bears S 89° 47'E, 293.00 feet.  
Thence S 83° 52½'E
- 291.24 Intersects line 3-4, Horn Silver No.2 Lode, this survey, at point S 6° 31'W, 30.16 feet from Cor.No.3.
- 1499.99 Cor.No.1, the point of beginning.  
HORN SILVER NO.2 LODE.  
Beginning at Cor.No.1. falling at point 479.09, line 3-4, Santiago Lode, this survey.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3369, 1-Horn Sil 2.  
Whence U.S.L.M.No.3369 bears S 79° 12½'E, 4199.78 feet.  
Thence N 6° 31'E
- 179.09 West end center monument, Santiago Lode, this survey.
- 300.00 East end center - monument of stones 3 feet high.
- 479.09 Cor.No.3, Santiago Lode, this survey.  
Intersects line 4-I, Horn Silver Lode, this survey, at point S 66° 32'E, 304.45 feet from Cor.No.4.
- 600.00 Cor.No.2.  
A 1 inch iron pipe, 3½ feet long with claw base, set 1½



feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, 2-  
 Horn Sil.2.

Thence N 83° 52½W

291.34 Intersects line 3-4, Horn Silver Lode, this survey, at  
 point N 6° 20'E, 30.16 feet from Cor.No.4.

Identically, intersects line I-2, Horn Silver No.I Lode,  
 this survey, at point N 6° 20'E, 30.16 feet from Cor.No.I.  
 1499.99 Cor.No.3.

A 1 inch iron pipe, 3½ feet long with claw base, set 1½  
 feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, 3-  
 Horn Sil.2.

Thence S 6° 31'W

30.16 Intersects line 4-I, Horn Silver No.I Lode, this survey,  
 at point N 83° 52½W, 1207.85 feet from Cor.No.I.

300.00 West end center - 4x6" post 4 feet above ground on mound  
 of stones.

600.00 Cor.No.4.

A 1 inch iron pipe, 3½ feet long with claw base, set 1½  
 feet in the ground and surrounded by monument of stones.  
 Brass cap on pipe stamped U.S.Mineral Survey No.3369, 4-  
 Horn Sil.2.

Thence S 83° 52½E

1499.99 Cor.No.1, the point of beginning.

\* \* \* \* \*

Magnetic variation at all corners - 14° 5'E.

The ground surface covered by these locations being  
 generally overlaid with drift and having no trees of any  
 size, there were no suitable natural bearing objects  
 available.

All corners are identical with the respective corners  
 of location, except where specifically shown in these  
 notes:

\* \* \* \* \*



U.S. MINERAL SURVEY NO. 3369.

LODE LINES.

As near as can be determined from the present state of developement, the veins of the several locations embraced in this survey, extend as follows from their respective discovery points:-

- SILVER NUGGET. - N 79° 4' E, 1500. feet.
- NUGGET. S 88° 14' E - 20. feet, and N 88° 14' W - 1480. feet.
- LEAD BOULDER. S 76° 45' 20" E - 1200. feet and N 76° 45' 20" W - 300. ft.
- CHOLLA. S 73° 43 1/2' E - 100. feet and N 73° 43 1/2' W - 1400. feet.
- NUGGET FRACTION. S 77° 47' E - 200. feet and N 77° 47' W - 489.79 feet.
- SAHUARA. S 66° 32' E - 100. feet and N 66° 32' W - 1400. feet.
- NUGGET EXTENSION. S 66° 32' E - 100. feet and N 66° 32' W - 1400. feet.
- HORN SILVER. S 66° 32' E - 308. feet and N 66° 32' W - 1192. feet.
- SANTIAGO. S 68° 0' E - 1450. feet and N 68° 0' W - 50. feet.
- HORN SILVER NO. 1. S 83° 52 1/2' E - 150. feet and N 83° 52 1/2' W - 1349.09 ft.
- HORN SILVER NO. 2. S 83° 52 1/2' E - 450. feet and N 83° 52 1/2' W - 1049.09 ft.

\* \* \* \* \*

LOCATION. This survey is located in the S 1/2 of Section 23, the S.W. 1/4 of Section 24, the N.W. 1/4 of Section 25, and the N 1/2 of Section 26, T 8 S, R 5 E, G. & S. R. B. & M. (surveyed but not yet approved), in the Casa Grande Mining District, Pinal County, Arizona.

ADJOINING AND CONFLICTING CLAIMS. None found.

AREAS:

Silver Nugget Lode.	Total Area	- - - - -	19.846 Acres.
Nugget Lode.	Total Area	- - - - -	20.624 Acres
Lead Boulder Lode.	Total Area	- - - - -	20.558 "
	Area in conflict with Nugget Lode, this survey		5.139 Acres
Cholla Lode.	Total Area	- - - - -	20.351 Acres
	Area in conflict with Lead Boulder Lode, this survey	- - - - -	6.149 Acres
Nugget Fraction Lode.	Total Area	- - - - -	9.430 Acres
	Area in conflict with Cholla Lode, this survey		0.211 Acres
	Area in conflict with Horn Silver Lode, this survey	- - - - -	0.231 Acres.



Sahuara Lode. Total Area	- - - - -	17.219 Acres
Nugget Extension Lode, Total Area	- - - - -	19.622 " ✓
Area in conflict with Horn Silver Lode, this survey	- - - - -	2.117 Acres ✓
Area in conflict with Horn Silver No.1 Lode, this survey	- - - - -	0.189 Acres ✓
Horn Silver Lode, Total Area	- - - - -	19.744 Acres ✓
Horn Silver No.1 Lode, Total Area	- - - - -	20.642 " ✓
Horn-Silver No.2 Lode,	" " " " - - - - -	20.648 " ✓
Area in conflict with Horn Silver Lode, this survey	- - - - -	0.505 Acres ✓
Area in conflict with Horn Silver No.1 Lode, this survey	- - - - -	0.836 Acres ✓
Santiago Lode, total area	- - - - -	19.911 Acres ✓
Area in conflict with Horn Silver Lode, this survey	- - - - -	0.416 Acres ✓
Area in conflict with Cholla Lode, this survey	- - - - -	0.110 Acres ✓

\* \* \* \* \*

IMPROVEMENTS:- I certify that the value of the labor and improvements made upon or for the benefit of, each of the locations embraced in this survey by the claimant or his grantors, is not less than Five Hundred Dollars, and that such improvements consist of:-

Silver Nugget Lode:

No.1, the discovery point, at West End Center, on outcrop of ledge.

No.2. shaft, 4x6<sup>ft</sup> - 10 feet deep, center of which bears S 15° 30'E, 255. feet from Cor.No.4.

Value \$50.00

No.3. tunnel 4½x6<sup>ft</sup>, runs S 22° 0'E, 16½ feet to breast, mouth bears S 50° 52'E, 370. feet from Cor.No.4.

Value \$165.00

No.4, Shaft, the center of mouth of which bears S 0° 25'E, 302. feet from Cor.No.4. Shaft is 6x6<sup>ft</sup> - 60 feet deep to level of tunnel described as No.3, Nugget Lode, this survey, a common improvement of which this working is

a part and its value included therein. (see No.6)

No.5. A ½ interest in working No.2, Nugget Lode, this



U.S. MINERAL SURVEY NO. 3369

survey, hereinafter described, is credited to this claim,  
Value \$167.50

No. 6. I/IIth. interest in working No. 3, Nugget Lode, this  
this claim,  
survey, is credited to Value \$477.27

No. 7. I/IIth. interest in working No. 4, Horn Silver Lode,  
to this claim,  
this survey, is credited Value \$545.45

NUGGET. LODE.

No. 1. the discovery shaft, on center line, the center of  
which is N 88° 14' W, 20 feet from the East End Center.  
Shaft is 4x6 - connecting below the surface with stope  
from working No. 3, this lode, a common improvement of which  
this working is a part and its value included therein.

No. 2. Cut and tunnel - center mouth of cut bears S 11° 6' W,  
209 feet from Cor. No. 1. Cut is 4x15½ to 8 foot face,  
running S - S.E., thence tunnel S. - S.E. 4x6 - 10 feet,  
thence tunnel east, 4x6 - 18½ feet. Total value \$335.  
This tunnel, starting near the common boundary between the  
Nugget and Silver Nugget Lodes, and running from the  
Nugget into the Silver Nugget Lode, constitutes a common  
improvement of equal value to each of those lodes, and  
a ½ interest in its value is properly accredited to each  
of those lodes.

½ interest accredited to this location. \$167.50

No. 3. Cut, tunnel and general working, the mouth of cut  
bearing S 26° 0' W, 248 feet from Cor. No. 1. Cut runs  
S 16° 30' E, 24 feet to mouth of tunnel, thence tunnel same  
course, 5x7 - 67 feet to point A, whence West, 7 feet, to  
center of winze, 5x7 - 40 feet deep. From A drifts  
run West 22 feet to face and East 98 feet to point B.  
These drifts are irregular, 5 to 15 feet in width, and  
have stopes overhead connecting with shaft No. 1, this lode.  
From B crosscuts 5x6 run S 16° 30' E, 33 feet and N 16° 30' W,  
33 feet. Shaft No. 4, Silver Nugget Lode, this survey,  
connects with these workings at point B.

This improvement is located at a point wherefrom, by  
continued drifting from its present main level, and by



continued sinking of the winze and drifting and cross-cutting therefrom, all of the locations in this claim may be advantageously developed and ore extracted from them. It therefore constitutes a common improvement and a 1/11th. interest in its value is properly accredited to each location in this claim. Total value of this improvement. (exclusive of stopes) - \$5250.00

1/11th. interest accredited to this location \$477.27

No.4. Cut and tunnel in S.E. Center mouth of cut bears S 50° 18' E, 899. feet from Cor.No.4. Cut 5x20 to 10 foot face, thence tunnel 4x6 - 20 feet long.

Value \$300.00

No.5. Shaft 4x6 - 9 feet deep, center of which bears S 27° 40' E, 347. feet from Cor.No.4.

Value \$45.00

No.6. Cut and tunnel in S.E. Center mouth of cut bears S 43° 20' E, 500. feet from Cor.No.4. Cut 5x13 to 9 foot face, thence tunnel 5x6 1/2 - 50 feet. From point 35 ft. in tunnel, shaft 4x6 - 25 feet to surface.

Value \$950.00

No.7. 1/11th. interest in work No.4, Horn Silver Lode, this survey, is credited to this claim, Value, \$545.45

LEAD BOULDER LODE.

No.1. Discovery shaft, on center line, the center of which bears S 76° 45' 20" E, 300. feet from the West End Center. Shaft is 6x6 - 29 feet deep, with drift from bottom running N.W. and breaking through to surface in shaft 6x8. Irregular cut from shaft S.E. 23 feet, thence tunnel S.E. 6x6 1/2 - 63 feet long.

Value \$1775.00

No.2. Shaft 4 1/2 x 8 - 12 feet deep, bearing N 44° 48' E, 364. feet from Cor.No.3. Value \$75.00

No.3. Shaft 4x6 1/2 - 12 feet deep, bearing N 67° 15' E, 578. feet from Cor.No.3. Value \$60.00

No.4. 1/11th. interest in improvement No.3, Nugget Lode, this survey, is credited to this claim, Value, \$477.27

No.5. 1/11th. interest in improvement No.4, Horn Silver



U.S. MINERAL SURVEY NO. 3369.

Lode, this survey, is credited to this claim, Value, \$545.45 ✓

NUGGET FRACTION LODE.

No. 1. Discovery shaft, on center line, the center bearing N 77° 47' W, 200. feet from the East End Center. Shaft is 4x6 - 10 feet deep. Value \$50.00

No. 2. Shaft, 5x6 - 8 feet deep, center bearing N 59° 30' W, 70. feet from Cor. No. 1. Value \$40.00

No. 3. 1/11th. interest in improvement No. 3, Nugget Lode, this survey, is credited to this claim, Value, \$477.27 ✓

No. 4. 1/11th. interest in improvement No. 4, Horn Silver Lode, this survey, is credited to this claim, Value, \$545.45 ✓

SAHUARA LODE.

No. 1. Discovery shaft, on center line, center bearing N 66° 32' W, 100. feet from the East End Center. Shaft is 4x6 - 10½ feet deep. Value \$55.00

No. 2. 1/11th. interest in improvement No. 3, Nugget Lode, this survey, is credited to this claim, Value, \$477.27 ✓

No. 3. 1/11th. interest in improvement No. 4, Horn Silver Lode, this survey, is credited to this claim, Value, \$545.45 ✓

CHOLLA LODE.

No. 1. Discovery shaft 4x6 - 10 feet deep, on center line the center bearing N 73° 43½' W, 100. feet from the East End Center. Value \$50.00

No. 2. 1/11th. interest in improvement No. 3, Nugget Lode, this survey, is credited to this claim, Value, \$477.27 ✓

No. 3. 1/11th. interest in improvement No. 4, Horn Silver Lode, this survey, is credited to this claim, Value, \$545.45 ✓

NUGGET EXTENSION LODE.

No. 1. Discovery shaft, 4x6 - 10 feet deep, on center line, the center bearing N 66° 32' W, 100. feet from the East End Center. Value \$50.00

No. 2. 1/11th. interest in improvement No. 3, Nugget Lode, this survey, is credited to this claim, Value, \$477.27 ✓

No. 3. 1/11th. interest in improvement No. 4, Horn Silver Lode, this survey, is credited to this claim, Value, \$545.45 ✓



## HORN SILVER LODE

No.1 Discovery Shaft, on center line, the center bearing N 66°32'W, 308. feet from the East End Center. Shaft is 4x6 - 10 feet deep. Value \$50.00

No.2. Shaft, 5x7 - 23 feet deep, the center bearing S 8°5'E 382. feet from Cor.No.3. Value \$330.00

No.3. Open work 4½x12 (E & W), 10 feet deep with drifts 8 feet East and 5 feet west. Center bears S 20 14'E, 411 feet from Cor.No.3. Value \$190.00

No.4. Shaft, slight incline to South, the center bearing S 32°45'E, 451. feet from Cor.No.3. This shaft is 245 feet deep, timbered and provided with steam hoist, pump, etc. On the 22 foot level it has 160 feet of drift and on the 96 foot level 200 feet of drifts, running from shaft in a S.W. and N.E. direction, with large stopes connecting these two levels. On the 200 foot level there is 330 feet of drift, and on the 240 foot level, 300 feet of drift. The shaft was sunk, and drifting done on the 22 and 96 foot levels, also 218 feet of drifting on the 200 foot level, prior to the location of this lode by the grantors to present claimant, hence no credit is given for this previously abandoned work. Work done subsequent to present ownership is as follows:- On the 200 foot level, from a point in drift 50. feet East from shaft, a drift running S 80°0'E, 70. feet, and from same point a cross-cut running N 25°0'E, 42. feet - total 112. feet. On the 240. foot level, a drift running N 70°0'W, 37. feet, thence S 80°0'W, 43. feet, thence S 24°0'W, 132. feet; also a drift running S 45°0'E, 88 feet; both from shaft. This improvement constitutes the main general working of the entire group and is so situated that from the workings above described, by continuing same, all the locations embraced in this claim may be advantageously developed and ore extracted therefrom. It therefore constitutes a common improvement, and an equal 1/11th. interest in its value is properly accredited to each of the said locations. Total value of improvements made subsequent to location



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## U.S. MINERAL SURVEY NO. 3369.

by grantor to present claimant - - - - - \$6000.00

I/IIth. interest accredited to this claim

Value \$545.45

No.5. Shaft,  $4\frac{1}{2} \times 7$  - 62 feet deep, center bears S  $48^{\circ} 55'$  E  
669. feet from Cor.No.3. Value \$750.00

No.6. Shaft,  $4 \times 6$  - 9 feet deep, center bears S  $51^{\circ} 53'$  E,  
755. feet from Cor.No.3. Value \$45.00

No.7. Shaft,  $4 \times 6$  - 10 feet deep, center bears S  $52^{\circ} 51'$  E,  
850. feet from Cor.No.3. Value \$50.00

No.8. Shaft,  $3\frac{1}{2} \times 6\frac{1}{2}$  - 100 feet deep, center bears S  $52^{\circ} 51'$  E  
915. feet from Cor.No.3. Value \$1000.00

No.9. Shaft,  $4 \times 7$  - 30. feet deep. center bears S  $77^{\circ} 38'$  W  
442. feet from Cor.No.2. Value \$340.00

No.10. Shaft,  $4 \times 20$  - 80 feet deep, center E.side bears  
S  $64^{\circ} 17'$  W, 369. feet from Cor.No.2.  
Value \$2400.00

No.11. I/IIth. interest in improvement No.3 Nugget Lode,  
this survey, is credited to this claim, Value, \$477.27  
SANTIAGO LODE.

No.1. Discovery shaft,  $4 \times 6$  - 10 feet deep, on center line,  
the center of which bears S  $68^{\circ} 0'$  E, 50. feet from the West  
End Center. Value \$50.00

No.2. I/IIth. interest in improvement No.3, Nugget Lode,  
this survey, is credited to this claim, Value, \$477.27

No.3. I/IIth. interest in improvement No.4, Horn Silver  
Lode, this survey, is credited to this claim, Value \$545.45  
HORN SILVER NO.1 LODE.

No.1. Discovery Cut, the center of mouth of which being  
on center line, N  $83^{\circ} 52\frac{1}{2}'$  W, 150. feet from the East End  
Center. Cut in S.- S.E.,  $4\frac{1}{2} \times 30$  to 10 foot face, thence  
tunnel  $4 \times 6\frac{1}{2}$  - 11 feet long. Value \$250.00

No.2. Shaft  $5\frac{1}{2} \times 6\frac{1}{2}$  - 12 feet deep, center of which bears  
N  $70^{\circ} 50'$  W, 415. feet from Cor.No.1.  
Value \$175.00

No.3. Cut in S.  $4\frac{1}{2} \times 8$  to 9 ft. face, thence tunnel 4 feet.  
Center mouth cut bears N  $60^{\circ} 0'$  W, 336. feet from Cor.No.1.  
Value \$70.00



No.4. Shaft  $4\frac{1}{2} \times 6$  - 9 feet deep, center of which bears  
N  $36^{\circ} 17' W$ , 242. feet from Cor.No.1.

No.5. Value \$45.00

No.5. Shaft  $5 \times 7$  - 9 feet deep, center of which bears  
N  $12^{\circ} 41' W$ , 258. feet from Cor.No.1.

Value \$50.00

No.6. Shaft  $6\frac{1}{2} \times 9$  - 25 feet deep, timbered 2 sets, center  
of mouth of which bears N  $8^{\circ} 9' W$ , 180. feet from Cor. No.1.

Value \$500.00

No.7. I/IIth. interest in improvement No.3, Nugget Lode,  
this survey, is credited to this claim, Value, \$477.27

No.8. I/IIth. interest in improvement No.4, Horn Silver  
Lode, this survey, is credited to this claim, Value, \$545.45

HORN SILVER NO.2 LODE.

No.1. Discovery shaft,  $5 \times 6$  - 10 feet deep, the center of  
which is on center line, bearing N  $83^{\circ} 52\frac{1}{2}' W$ , 450. feet from  
the East End Center. Value \$55.00

No.2. Shaft,  $4 \times 6$  - 8 feet deep, the center of which bears  
N  $52^{\circ} 50' E$ , 798. feet from Cor.No.4.

Value \$40.00

No.3. Shaft  $7 \times 8$  - 8 feet deep, the center of which bears  
N  $50^{\circ} 10' E$ , 709. feet from Cor.No.4.

Value \$50.00

No.4. Shaft  $5 \times 6$  - 10 feet deep, the center of which bears  
N  $38^{\circ} 20' E$ , 611. feet from Cor.No.4.

Value \$50.00

No.5. Shaft  $4 \times 6$  - 8 feet deep, the center of which bears  
N  $29^{\circ} 17' E$ , 586. feet from Cor.No.4.

Value \$40.00

No.6. Shaft  $4 \times 5\frac{1}{2}$ , filled to 6 feet, the center of which bears  
N  $47^{\circ} 55' W$ , 709. feet from Cor.No.1.

Value \$25.00

No.7. Shaft,  $5 \times 6$  - 19 feet deep, the center of which bears  
N  $43^{\circ} 20' W$ , 779. feet from Cor.No.1.

Value \$175.00

No.8. Shaft;  $4 \times 6$  - 37 feet deep, the center of which bears  
N  $50^{\circ} 49' W$ , 893. feet from Cor.No.1.



U.S. MINERAL SURVEY NO. 3369.

	Value	\$370.00
<u>No. 9.</u>	1/11th. interest in improvement No. 3, Nugget Lode, this survey, is credited to this claim, Value,	\$477.27
<u>No. 10.</u>	1/11th. interest in improvement No. 4, Horn Silver Lode, this survey, is credited to this claim, Value,	\$545.45

OTHER IMPROVEMENTS.

Silver Nugget Lode. Old shaft, the center of which bears S 53° 5' W, 160. feet from Cor.No.1. Shaft closed, so depth unknown.

Sahuara Lode. Stable Bldg. frame, 36x26½, the S.E.Cor.of which bears N 53° 25' W, 350. feet from Cor.No.1.

Adobe house, 114x14, the S.E.Cor. of which bears N 61° 57' W, 491. feet from Cor.No.1.

Nugget Extension Lode. House, frame and iron, 28½x30' with annex 14x9. N.E.Cor.bears N 81° 0' W, 429. feet from Cor.No.2.

Horn Silver Lode.

Mill and smelter building 122x80', the N.W.Cor. of which bears S 34° 10' E, 268. feet from Cor.No.3. Building contains 20 stamp mill, blast furnace, boilers, etc.

Old shaft, est.150 feet deep, the center of which bears S 61° 37' E, 581. feet from Cor.No.3. Improvement made by prior locator - abandoned.

Old tunnel, the mouth of entrance cut bearing S 62° 15' E, 590. feet from Cor.No.3. General course South 80. feet, whence open work to surface 18 feet west and 60. feet east; thence south 183 feet, whence drift 43 feet east to face and crosscut 18 feet south to face; thence S.W.-W. 90. feet to bend; thence N.W.-W. 195.feet to face. Improvement made by prior locator.

\* \* \* \* \*

INSTRUMENT. This survey was made with Buff & Buff special transit No.7905. The courses were deflected from the true meridian as determined by direct solar observation.

Distances were measured with 350 and 100 foot steel tapes.

REPORT. H.S.L.M.No.3369 is situated at a high point on a hill commanding a clear view of the entire country in the



vicinity. The monument consists of a  $2\frac{1}{2}$  inch iron pipe,  $15\frac{1}{2}$  feet above ground, painted red and white in alternate feet and stamped U.S.L.M.3360. Pipe is held in vertical position by three guy wires, and surrounded by monument of stones  $4\frac{1}{2}$  feet high and 7 foot base.

The corner of sections 23,24,25,26, T 8 S, R 5 E, is a standard G.L.O. Corner, the pipe base extending  $2\frac{1}{2}$  feet above ground and surrounded by mound of stones.

The  $W\frac{1}{4}$  Cor. of Section 19, T 8 S, R 6 E, is a standard G.L.O.  $\frac{1}{4}$  Corner, pipe with brass cap, stamped  $\frac{1}{4}$  S 19. Pits to N and S, and mound to E.

The north and west boundaries of this claim lie on flat country, thence the surface rises gradually to the southeast, the elevation increasing sharply near the south sides of the Silver Nugget, Nugget, Horn Silver and Horn Silver No.1 Lodes, in an Andesite formation. Hence the two workings designated as common improvements, i.e. No.3 Nugget Lode and No.4 Horn Silver Lode, have sufficient slope at the surface to provide suitable dump and mill room, yet by continuing same downward and laterally, they will underwork all locations in the claim.

The difference between locations embraced in this survey as marked upon the ground, and as described in the respective location notices, is due to error of description in the location notices.

Paul E. Fernald.

U.S. Mineral Surveyor

Tucson, Ariz. May 3rd. 1917.



do not include in copy

U.S. MINERAL SURVEY NO. 3369.

Calculation for meridian - direct solar observation. Monday, March 26.

1917. Time 2.45 P.M. Latitude N 32 43'40".

Declination	N 2 5' 30.6"	58.88"
		<u>9<sup>3</sup>/<sub>4</sub></u>
		44.16
		529.92
"	<u>9' 34.1"</u>	<u>574.08"</u> = 9' 34.1"
	N 2 15' 4.7"	

Direct R 60 6', A - 46 52' (-I' refr.cor.)

Reverse R 61 8', A - 46 15' (-I' refr.cor.)

Direct: Cos.Q - sin	2 15'	8.593948	tan 32 43'40"	9.807990
	cos. 32 43'40"	9.924924	tan 46 51'	0.028065
		<u>8.669024</u>		<u>9.836055</u>
	cos 46 51'	9.834999		
		<u>8.834025</u>		

9.836055	log.	.68558	
8.834025	"	.06824	
		<u>.61734</u>	cos. 51 52'40"

60 6' - 51 52'40" S 8 13'20"E

Reverse;		8.669024		9.807990
	cos. 46 14'	9.839932	tan. 46 14'	0.018703
		<u>8.829092</u>		<u>9.826693</u>

9.826693	log.	.67095	
8.829092	"	.06747	
		<u>.60348</u>	cos. 52 53'

61 8' - 52 53' S 8 15'E

Average direct and reverse obs. S 8 14'E.



NOTES ON ESTABLISHMENT OF U.S.L.M.NO.3369, CASA GRANDE MINING DIST.

PINAL COUNTY, ARIZONA.

APRIL 10th. 1917.

To provide a proper monument for a tie for certain lodes embraced in Mineral Survey No.3369, the same being without the two mile limit from any accepted public land corner or previously established land or mineral monument, I established U.S.L.M.No.3369 on a high point at the top of a prominent hill, as follows:- I set a 1 1/4 inch iron pipe, 6 feet long, 2 1/2 feet in a drill hole in solid rock. Over this I set a 2 1/2 inch pipe, tightly wedged, 15 1/2 feet long, painted red and white in alternate feet, and staped U.S.L.M. No.3369. I guyed pipe from top with steel wires to iron gads (3) driven into solid rock on three sides, and surrounded same with a monument of stones 4 1/2 feet high and 7 foot base.

The rock surface at this point being of brittle black Andesite, it was impossible to mark same with chisel for bearing points, so I drove three iron gads into crevices, the same bearing from monument as follows:-

N 87° 21' W,	8.50 feet	iron gad.
N 46° 26' E	9.80 "	" "
S 25° 6' E	13.59 "	" "

Other bearings:-

- N 14° 3' E, Center of south side red tile roof, large building, town of Casa Grande, Arizona.
- N 25° 49' E, Sharp peak at S.E.End small range east from Casa Grande.
- S 89° 49' E, top sharp peak, near S. end mountain range.
- S 78° 7' E, top sharp peak, lone mountain in desert.
- S 46° 2' E, high peak, mountain range in distance.
- S 9° 33' W, top high mountain in distance.
- S 36° 20' W, Center east end Jack Rabbit Mill building.
- S 48° 55' W, sharp peak, mountains in distance.
- S 63° 31' W, high peak, high mountain in distance.
- N 34° 40' W, Sharp peak, high mountain in distance.
- N 81° 9' E, 9422.20 feet, W. 1/4 Cor. Sec. I9, T 8 S, R 6 E, G. & S. R. B. & M.
- N 63° 41 1/2' W, 1585.65 feet, Cor. Secs. 23, 24, 25, 26, T 8 S, R 5 E, G. &



S.R.B. & M. (survey not approved)

N 76° 35½' W, 1577.59 feet, Cor.No.1, Cholla Lode, Sur.No.3369.

Paul E. Fernald

U.S. Mineral Surveyor

Tucson, Ariz, May 3rd. 1917.



MAR 4-1917

JUN 13 1917

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald

United States ~~Deputy~~ 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

Frank M. Leonard

known as the SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER, HORN SILVER NO.1, HORN SILVER NO.2, SILVER NUGGET, LEAD BOULDER, and showing the respective capacities in which they acted. NUGGET and SANTIAGO lodes.

C.P. Goodjohn, Chainman.

Chainman.

Arman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

~~WX~~ I, C.P. Goodjohn

I

and \_\_\_\_\_, do solemnly swear that ~~we~~ assisted \_\_\_\_\_

Paul E. Fernald, United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Frank M. Leonard

known as the SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER, HORN SILVER NO.1, HORN SILVER NO.2, SILVER NUGGET, LEAD BOULDER, NUGGET and SANTIAGO lodes.

represented in the foregoing field notes as having been surveyed by said ~~deputy~~ mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona

C.P. Goodjohn, Chainman.

Chainman.

Arman.

Flagman.

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

day of April, 1917.

Adm. McDonald  
Notary Public

Pima Co Ariz



MA. 4-1917

(4-686.)

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, Paul E. Fernald, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated March 12th. 1917., 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 Frank M. Leonard

~~SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER, HORN SILVER NO. 1, HORN SILVER NO. 2, SILVER NUGGET, LEAD BOULDER, NUGGET, and SANTIAGO lodes.~~ <sup>known as the</sup> Casa Grande Mining District, situate in

Pinal County, Arizona, in Sections

23, 24, 25, 26, Township No. 8 S., Range No. 5 E. Unapproved.

and designated as Survey No. 3369, 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.

Paul E. Fernald  
U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald,  
U. S. ~~Deputy~~ Mineral Surveyor, before me

this 2nd  
day of May 1917

Admored  
Notary Public  
Prima Co., Ariz

My commission  
expires Jan 5 1919.



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, . . . . W. L. BROWN, . . . . . County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of . . . . **Sahuara Mining Claim,** . . . . .  
. . . . ., as the same appears of record in my office in Book  
No. . . . H. . . . . of **Mines,** . . . . . Records, at page. . . . **382** . . . . . thereof, or under File No.  
. . . . .; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
**ninth** . . . . . day of . . . . **February, 1917,** . . . . 19 . . . . ., at Florence, the County Seat.

(Seal)

. . . . . W. L. BROWN, . . . . .  
County Recorder.

By *Mo Benner* . . . . .  
Deputy Recorder.



# Notice of Mining Location

## LODE CLAIM

### Co All Whom it May Concern:

This Mining Claim, the name of which is the **Sahuara** Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by **Frank M. Leonard, a citizen of the United States.**

the undersigned, on the **first day of November, 1915,**

The length of this claim is **1500** feet,  
and **I** claim **100** feet,  
in an **easterly** direction and **1400** feet in a **westerly** direction from

the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together with **300** feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the **east to the west**

The claim is situated and located in the **Casa Grande** Mining District, in Pinal County, in the State of Arizona, about **twelve miles** in a **southerly** direction from **the Town of Casa Grande.**  
**The adjoining claim on the south is the Nugget Extension.**

The surface boundaries of the claim are marked upon the ground as follows: Beginning at **a stone monument**

at a point in a **eastrly** direction **one hundred** feet from the discovery shaft (at which this notice is poseted), being in the center of the **east** end line of said claim; thence **north 300** feet to a **stone monument**, being the **northeast** corner of said claim; thence **west 1500** feet to a **stone monument**, being at the **northwest** corner of said claim; thence **south 300** feet to a **stone monument** at the center of the **west** end of said claim; thence **south 300** feet to a **stone monument**, being at the **southwest** corner of said claim; thence **east 1500** feet to a **stone monument** at the **southeast** corner of said claim; thence **north 300** feet to the place of beginning.

All done under the the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and, of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this **First day of November, 1915.**

Witness. **C. W. Campbell.** **Frank M. Leonard.**

Filed and Recorded at the request of **Frank M. Leonard, Nov. 11, 1915, 9:A.M.**  
Recorded in Book H of Mines, page. 382. **W. L. Brown, Recorder.**



STATE OF ARIZONA, }  
County of Pinal. } SS.

I, ..... W. L. BROWN, ..... County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of ..... **Cholla Mining Claim,** .....  
....., as the same appears of record in my office in Book  
No. .... **H of Mines,** ..... Records, at page. ... **373** ..... thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
..... **ninth** ..... day of ..... **February,** ..... 19. ...., at Florence, the County Seat.

(Seal)

..... W. L. BROWN, .....  
County Recorder.  
By ..... *M. B. Benson* .....  
Deputy Recorder.



# Notice of Mining Location

## LODE CLAIM

### On All Whom it May Concern:

This Mining Claim, the name of which is the **Cholla** Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by **Frank M. Leonard, a citizen of the United States,**

the undersigned, on the **26th day of October, 1915.**

The length of this claim is **1500** feet, and **I** claim **one hundred** feet, in an **easterly** direction and **1400** feet in a **westerly** direction from the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together with **300** feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the

**east** to the **west**

The claim is situated and located in the **Casa Grande** Mining District, in Pinal County, in the State of Arizona, about **twelve miles** in a **southerly** direction from **the Town of Casa Grande, it adjoins the Horn Silver on the east and the Lead Boulder on the west.**

The surface boundaries of the claim are marked upon the ground as follows: Beginning at **a stone monument**

at a point in an **easterly** direction **one hundred** feet from the discovery shaft (at which this notice is poseted), being in the center of the **east** end line of said claim; thence **north 300** feet to a **stone monument**, being the **northeast** corner of said claim; thence **west 1500** feet to a **stone monument**, being at the **northwest** corner of said claim; thence **south 300** feet to a **stone monument** at the center of the **west** end of said claim; thence **south 300** feet to a **stone monument**, being at the **southwest** corner of said claim; thence **east 1500** feet to a **stone monument** at the **southeast** corner of said claim; thence **north 300** feet to the place of beginning.

All done under the the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and, of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this **26th day of October, 1915.**

~~W. L. BROWN, County Recorder.~~  
**Frank M. Leonard.**

Filed and Recorded at the request of **Frank M. Leonard, Oct 28, 1915, 1 P. M.**  
Recorded in Book H of Mines, page 373. **W. L. BROWN, Recorder.**



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, W. L. BROWN, County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of Nugget Extension  
....., as the same appears of record in my office in Book  
No. H of Mines, Records, at page 372 thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
ninth day of February, 1917, 19....., at Florence, the County Seat.

(Seal)

W. L. BROWN,  
County Recorder.  
By MORSE  
Deputy Recorder.

# Notice of Mining Location

## LODE CLAIM

### To All Whom it May Concern:

This Mining Claim, the name of which is the **Nugget Extension** Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by

**Frank M. Leonard a citizen of the United States.**

the undersigned, on the **26th day of October, 1915.**

The length of this claim is **1500** feet,  
and **I** claim **1400** feet,  
in a **n easterly** direction and **100**  
feet in a **westerly** direction from

the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together with **300** feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the

**east to the west**

The claim is situated and located in the **Casa Grande** Mining District, in Pinal County, in the State of Arizona, about **twelve miles** in a **southerly** direction from **Casa Grande, it adjoins the Horn Silver on the north and the Nugget Fraction on the west.**

The surface boundaries of the claim are marked upon the ground as follows: Beginning at **a stone monument**

at a point in a **n easterly** direction **100** feet from the discovery shaft (at which this notice is poseted), being in the center of the **east** end line of said claim; thence **south 300** feet to a **stone monument**, being the **southeast** corner of said claim; thence **west 1500** feet to a **stone monument**, being at the **southwest** corner of said claim; thence **north 300** feet to a **stake** at the center of the **west** end of said claim; thence **north 300** feet to a **skxxx stone monument**, being at the **northwest** corner of said claim; thence **east 1500** feet to a **stone monument** at the **northeast** corner of said claim; thence **south 300** feet to the place of beginning.

All done under the the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and, of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this **26th day of October, 1915.**

Witness: **C. W. Campbell.** **Frank. M. Leonard.**

Filed and Recorded at the request of **Frank M. Leonard, Oct. 28, 1915, 1 P. M.**  
**W. L. BROWN, Recorder.**  
Recorded in Book **H of Mines, page 372.**



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, W. L. BROWN, County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of Nugget Fraction Mining Claim,  
as the same appears of record in my office in Book  
No. H. of Mines, Records, at page 371 thereof, or under File No.  
; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
ninth day of February, 1917, 19., at Florence, the County Seat.

(Seal)

W. L. BROWN,  
County Recorder.

By McBence  
Deputy Recorder.

# Notice of Mining Location

## LODE CLAIM

### To All Whom it May Concern:

This Mining Claim, the name of which is the **Nugget Fraction** Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by **Frank M. Leonard, a citizen of the United States,**

the undersigned, on the **26th day of October, ~~1917~~ 1915.**

The length of this claim is **1500** feet,  
and **I** claim **200** feet,  
in an **easterly** direction and **1300** feet in a **westerly** direction from

the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together with **300** feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the **east** to the **west**

The claim is situated and located in the **Casa Grande** Mining District, in Pinal County, in the State of Arizona, about **twelve miles in a southerly direction** ~~xxx~~ ~~xxxxxx~~ from **the Town of Casa Grande.** The **adjoining claims are the Nugget on the east.**

The surface boundaries of the claim are marked upon the ground as follows: Beginning at **a stone monument**

at a point in a **easterly** direction **200** feet from the discovery shaft (at which this notice is poseted), being in the center of the **east** end line of said claim; thence **north 300** feet to a **stone monument**, being the **northeast** corner of said claim; thence **west 1500** feet to a **stone monument**, being at the **northwest** corner of said claim; thence **south 300** feet to a **stone monument** at the center of the **west** end of said claim; thence **south 300** feet to a **stone monument**, being at the **southwest** corner of said claim; thence **east 1500** feet to a **stone monument** at the **southeast** corner of said claim; thence **north 300** feet to the place of beginning.

All done under the the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and, of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this **26th day of October, 1915.**

Witness **C. W. Campbell.**

**Frank M. Leonard.**

Filed and Recorded at the request of **Frank. M. Leonard, Oct. 28, 1915, 1: P. M.**

Recorded in Book **H. of Mines, at page 371.**

*W. Brown, Recorder*



STATE OF ARIZONA, }  
County of Pinal. } SS.

I, . . . W. L. BROWN, . . . County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of . . . Notice of Location of the Horn Silver Mining . . .  
Claim, . . . , as the same appears of record in my office in Book  
No. . . 27 . . . of Mines, . . . Records, at page . . 571 . . . thereof, or under File No.  
. . . ; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
9th . . . day of February, 1917, . . . 19 . . . , at Florence, the County Seat.

(Seal)

. . . . . W. L. BROWN, . . . . .  
County Recorder.  
By MO Beniscoe . . . . .  
Deputy Recorder.

# Notice of Location

NOTICE IS HEREBY GIVEN that the **Horn Silver**  
 Mining Claim was located by **William J. Forbach**  
 on this **27th day of March, 1911** for mining purposes. Said claim is 1,500 feet in length  
 along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center  
 of said vein or deposit, from end to end of said claim. The general course of this claim is  
**easterly and westerly**  
 and is situated in the **Casa Grande** Mining District, Pinal County, Arizona, about  
**12½ miles south of Casa Grande**, was formerly owned by the **Silver**  
**Reef Mining Company**. A shaft has been sunk to water on the claim.

This claim runs from the discovery monument, or stake, on which this notice is posted. **1200**  
 feet in a **westerly 12 deg. / magnetecally N. ~~W.~~ of W** direction to the **westerly**  
 center end monument or stake, and **300** feet in a **easterly**  
 direction from the aforesaid location monument, or stake, to the **easterly** center end monument, or  
 stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of  
 and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

WITNESSES:

Wm. J. Forbach,

Locator

*Seriatory*

STATE OF ARIZONA,

Pinal County,

} ss.

I **William Forbach,**

hereby certify that I am a locator of the aforesaid Mining claim and that the location work was performed  
 hereon within ninety days from the date of location, to the full amount and in the manner required by law.

WITNESS My hand and seal this **16th day of June, 1911.**

**William J. Forbach,**

Seal.

Filed and recorded at the request of **Wm. Forbach,**

**June 17th, 1911, at one o'clock P. M.**

**G. F. Watson, Recorder.**

(Recorded in Book 27 of Mines, page 571.)



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, .....W. L. Brown, .....County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of... Notice of Location of Horn Silver No. 1,  
Mining Claim,  
....., as the same appears of record in my office in Book  
No. .... H. .... of ... Mines. .... Records, at page ... 369. .... thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
..... ninth ..... day of February, 1917, ..... 19. ...., at Florence, the County Seat.

..... W. L. BROWN, .....  
County Recorder.

(Seal)

By ..... *M. O. Benner* .....  
Deputy Recorder.

37  
40

# Notice of Mining Location

## LODE CLAIM

### On All Whom it May Concern:

This Mining Claim, the name of which is the **Horn Silver No. 1** Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by

**Frank M. Leonard, a citizen of the United States**

the undersigned, on the **26th day of October, 1915.**

The length of this claim is **1500** feet,  
and **I** claim **150** feet,  
in an **easterly** direction and **1350**  
feet in a **westerly** direction from

the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together with  
**300** feet in width of the surface grounds, on each side  
of the center of said claim. The general course of the lode deposit and premises is from the  
**east** to the **west**

The claim is situated and located in **Casa Grande** Mining District, in  
Pinal County, in the State of Arizona, about **twelve miles**  
in a **southerly** direction from **Casa Grande, Arizona.**

The surface boundaries of the claim are marked upon the ground as follows: **Beginning at**  
**a stone monument**

at a point in an **easterly** direction **150** feet from  
the discovery shaft (at which this notice is posted), being in the center of the **east**  
end line of said claim; thence **north 300** feet to a **stake**  
, being the **northeast** corner of said claim; thence  
**west 1500** feet to a **stake**, being at the  
**northwest** corner of said claim; thence **south 300** feet  
to a **stone monument** at the center of the **west** end of said claim;  
thence **south 300** feet to a **stake**, being at the  
**southwest** corner of said claim; thence **east 1500**  
feet to a **stone monument** at the **southwest** corner of said claim;  
thence **north 300** feet to the place of beginning.

All done under the the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and, of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this **26th day of October, 1915.**

—Witness: **C. W. Campbell.**

**Frank. M. Leonard.**

Filed and Recorded at the request of **Frank. M. Leonard, Oct. 28, 1915, 1: P.M.**  
Recorded in Book **H of Mines, page 369.** **W. L. BROWN, Recorder.**



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, ..... **W. L. Brown,** ..... County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of ..... **Horn Silver No. 2 Mining Claim,** .....  
....., as the same appears of record in my office in Book  
No. **H** ..... of **Mines,** ..... Records, at page **370** ..... thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
**ninth** ..... day of **February,** **1917,** ....., 19....., at Florence, the County Seat.

..... **W. L. BROWN,** .....  
County Recorder.

(Seal)

By *MO Benuece* .....  
Deputy Recorder.

# Notice of Mining Location

## LODE CLAIM

### On All Whom it May Concern:

This Mining Claim, the name of which is the **Horn Silver No. 2** Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by **Frank M. Leonard, a citizen of the United States,**

the undersigned, on the **26th day of October, 1915.**

The length of this claim is **1500** feet,  
and **I** claim **450** feet,  
in an **easterly** direction and **1050** feet in a **westerly** direction from

the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together with **300** feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the **east** to the **west**

The claim is situated and located in the **Casa Grande** Mining District, in Pinal County, in the State of Arizona, about **one thousand feet** in a **southerly** direction from **Silver Reef Mine**, and about **12 miles in a southerly direction from the Town of Casa Grande**, it adjoins **Horn Silver No. 1. on the south**

The surface boundaries of the claim are marked upon the ground as follows: Beginning at **a Stone monument**

at a point in an **easterly** direction **450** feet from the discovery shaft (at which this notice is poseted), being in the center of the **east** end line of said claim; thence **north 300** feet to a **stone monument**, being the **northeast** corner of said claim; thence **west 1500** feet to a **stake**, being at the ~~next~~ **northwest** corner of said claim; thence **south 300** feet to a **stake** at the center of the **west** end of said claim; thence **south 300** feet to a **stake**, being at the **southwest** corner of said claim; thence **east 1500** feet to a **stone monument** at the **southeast** corner of said claim; thence **north 300** feet to the place of beginning.

All done under the the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and, of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this **26th day of October, 1915.**

Witness **C. W. Campbell.**

**Frank M. Leonard.**

Filed and Recorded at the request of **Frank M. Leonard, Oct. 28, 1915, 1 P. M.**  
**W. L. BROWN, Recorder,**  
Recorded in Book **H of Mines, page 370.**



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, ..... **W. L. Brown,** ..... County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of ..... **Location Notice of the Silver Nugget** .....  
**Mining Claim,** ..... as the same appears of record in my office in Book  
No. .... **12** ..... of **Mines,** ..... Records, at page .... **167** ..... thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
..... **nineth** ..... day of ..... **February, 1917,** .. 19 ....., at Florence, the County Seat.

(Seal)

..... **W. L. Brown,** .....  
County Recorder.  
By *MO Benne* .....  
Deputy Recorder.

LOCATION NOTICE.

NOTICE IS HEREBY GIVEN, that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10, 1872, and acts ammendatory thereto, have this day located and claim 1500 linear feet along the course of this lead, lode or vein of mineral bearing quartz, and 600 feet in width on each side of the middle of said lead, lode or vein, situate in the SILVER REEF Mining District, County of Pinal, Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stone, being the center of the westerly end of claim and upon which this notice is posted, thence southerly 300 feet to a monument of stones, thence easterly 1500 feet to a monument of stones, thence northerly 300 feet to a monument of stones, being at the center of the easterly end of claim, thence northerly 300 feet to a monument of stones, thence westerly 1500 feet to a monument of stones, thence southerly 300 feet to the place of beginning.

This claim is situated about 3/4 of a mile east of the Silver Reef and Horn Silver Mine, and about 4 miles south of the Quajato Well, and shall be known as the SILVER NUGGET Mining Claim.

Located February 4th, 1890.

Peter Forbach,

Annie C. Forbach.

Filed and recorded at the request of P. Forbach, March 3d, 1890, at nine o'clock A. M.

A. G. Williams, Recorder.

(Recorded in Book 12 of Mines, page 167.)



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, ..... W. L. BROWN, ..... County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of ..... Notice of Location of the Lead Boulder Mining .....  
Claim ..... as the same appears of record in my office in Book  
No. .... 27 ..... of Mines, ..... Records, at page. .... 571 ..... thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
..... 9th ..... day of February, 1917, ....., 19 ....., at Florence, the County Seat.

..... W. L. BROWN, .....  
County Recorder.

(Seal)

By *W. O. Bennevoe* .....  
Deputy Recorder.

# Notice of Location

NOTICE IS HEREBY GIVEN that the **Lead Boulder**  
 Mining Claim was located by **Wm. J. Forbach**  
 on this **28th day of March, 1911** for mining purposes. Said claim is 1,500 feet in length  
 along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center  
 of said vein or deposit, from end to end of said claim. The general course of this claim is  
**easterly and westerly**  
 and is situated in the **Casa Grande** Mining District, Pinal County, Arizona, about  
**12½ miles south of the Town of Casa Grande and one-half mile**  
**east of the Reef Mill.**

This claim runs from the discovery monument, or stake, on which this notice is posted. **300**  
 feet in a **west** direction to the **west**  
 center end monument or stake, and **1200** feet in a **easterly**  
 direction from the aforesaid location monument, or stake, to the **east** center end monument, or  
 stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of  
 and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

WITNESSES:

Wm. J. Forbach,

Locator

Territory

~~STATE OF~~ ARIZONA, }  
 Pinal County, } ss.

I, **William Forbach,**

hereby certify that I am a locator of the aforesaid Mining claim and that the location work was performed  
 hereon within ninety days from the date of location, to the full amount and in the manner required by law.

WITNESS My hand and seal this **16th day of June, 1911.**

**William J. Forbach,**

Seal.

Filed and recorded at the request of **William Forbach** on  
 the **17th day of June, A. D., 1911,** at one o'clock P. M.

**G. F. Watson, Recorder,**

(Recorded in Book 27 of Mines, page 571.)



FEB 14 1917

STATE OF ARIZONA, }  
County of Pinal. } SS.

I, W. L. Brown, County Recorder, in  
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,  
true and correct copy of Nugget Mining Claim,  
....., as the same appears of record in my office in Book  
No. 14 of Mines, Records, at page 586 thereof, or under File No.  
.....; that I have compared the same with the original record, and that the same is a true tran-  
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this  
ninth day of February, 1917, 19....., at Florence, the County Seat.

..... W. L. BROWN, .....  
County Recorder.

(Seal)

By MO Bence .....  
Deputy Recorder.

LOCATION NOTICE.

NOTICE IS HEREBY GIVEN, that the NUGGET Mining Claim, containing mineral bearing quartz, earth or rock in place, located by P. H. LOSS, on this 1st day of January, 1897, has been located for mining purposes. Said claim is 1500 feet in length and I claim 300 feet on each side of the discovery shaft, for full length of claim. The general course of the lode, deposit or premises is easterly and westerly.

This claim is situated in the CASA GRANDE Mining District, Pinal County, Arizona, about 2000 feet east from the Silver Reef Mill.

This claim is bounded and marked as follows, to-wit:

Beginning at the east center end of claim, being 20 feet east of the discovery shaft, at which this notice is posted; thence 300 feet in a south direction to a post or monument; thence 750 feet in a west direction to a post or monument; at the center of the south side line of said claim; thence 750 feet in a west direction to a post or monument; thence 300 feet in a north direction to a post or monument, being the center end post or monument of the west end of said claim; and 1480 feet from the discovery shaft; thence 300 feet in a north direction to a post or monument; thence 750 feet in an east direction to a post or monument, being the center of the north side of said claim; thence 750 feet in an east direction to a post or monument; thence 300 feet in a south direction to the place of beginning.

Done under and by virtue of the Laws of the United States, and the Laws of the Territory of Arizona.

P. H. Loss L.S.

Locators.



TERRITORY OF ARIZONA, )  
County of P I N A L, ) ss.

I, P. H. LOSS, do hereby certify that I am a locator of the within named and described Mining Claim. That there has been sunk by the discoverers of said claim, a shaft at least ten feet deep below the lowest rim of the shaft at the surface; showing a lode deposit or mineral in place, within ninety days prior to this date and since the discovery of the lode on said claim; that the discoverer, within the said time, has marked the surface boundaries of said claim by substantial posts or stone monuments at least three feet in height, (one on each corner of said claim and one at the center of each side and end thereof; and posted at the point of discovery on the surface a plain sign or notice substantially conforming to the written location certificate.

Dated, March 9th, 1897.

P. H. Loss.

Subscribed and sworn to before me this 9th day of March, 1897.

B. B. DeNure, Justice of the Peace.

Filed and recorded at the request of P. H. Loss, March 29th, 1897, at nine o'clock A. M.

F. A. Chamberlin, Recorder.

(Recorded in Book 14 of Mines, at page 586.)

# Notice of Mining Location

## LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Santiago Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by Frank M Leonard, a citizen of the United States.

Locator must insert either "a citizen of the United States," or "who has declared his intention to become a citizen of the United States."

the undersigned, on the 6<sup>th</sup> day of March 1917.

The length of this claim is 1500 feet, and 1 claim 50 feet in a westerly direction and 1450 feet in an easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim.

The general course of the lode deposit and premises is from the east to the west.

The claim is situated and located in the Casa Grande Mining District, in the County of Pinal State of Arizona; about twelve miles in a southerly direction from the town of Casa Grande. The claim adjoins The Horn Silver on the south.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

a stone monument at a point in a westerly direction 50 feet from the discovery shaft (at which this notice is posted) being in the center of the west end line of said claim; thence 300 feet to a stone monument being the southwest corner of said claim; thence 1500 east feet to a stone monument being at the southeast corner of said claim; thence north 300 feet to a stone monument at the center of the east end of said claim; thence north 300 feet to a stone monument being at the northeast corner of said claim; thence west 1500 feet to a stone monument at the northwest corner of said claim; thence south 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an act of the General Assembly of Arizona, entitled, "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the ground this 6<sup>th</sup> day of March 1917.

Frank M Leonard



# 51 AN ACT TO CODIFY AND REVISE THE LAWS OF THE TERRITORY OF ARIZONA

## SECTIONS I-II—INC. LOCATION OF CLAIMS

Be it enacted by the Legislative Assembly of the Territory of Arizona:

SECTION 1. On the discovery of mineral in places on the public domain of the United States, the same may be located as a mineral claim by the discoverer for himself, for himself and others, or for others.

SECTION 2. Such location shall be made by erecting at or contiguous to the point of discovery, a conspicuous monument of stones not less than three (3) feet in height, or an upright post securely fixed, projecting at least four (4) feet above the ground, in which monument of stones or on which post there shall be posted a location notice, which shall be signed by the name or names of the locator or locators. The location notice must contain: First, the name of the claim located; second, the name or names of the locators; third, the date of the location; fourth, the length and width of the claim in feet and the distance in feet from the point of discovery to each end of the claim; fifth, the general course of the claim; sixth, the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified.

SECTION 3. Until each and all of the above specified things shall have been done no right thereto shall be acquired.

SECTION 4. From the time of the location of a mining claim as above specified, the locator shall be allowed ninety (90) days within which to do or cause to be done the following things: First, to cause to be recorded in the office of the County Recorder of the county in which the claim is situated, a copy of the location notice; second, to sink a discovery shaft in the claim to the depth of at least ten (10) feet from the lowest part of the rim of the shaft at the surface, and deeper if necessary, until there is discovered in said shaft mineral in place, third, to monument the claim on the ground so that its boundaries can be readily traced.

SECTION 5. The failure to do all the things enumerated in this section in the time and space specified shall be construed into an abandoning of the claim, and all right thereto of the discoverer and locator shall be forfeited.

SECTION 6. Such surface boundaries shall be marked by six (6) substantial posts projecting at least four (4) feet above the surface of the ground, or by substantial stone monuments at least three (3) feet high, to-wit: One at each corner of said claim, and one at the center of each end line thereof.

SECTION 7. Any open cut, adit or tunnel which shall be made as above provided for as a part of the location of a lode mineral claim, and which shall be equal in amount of work to a shaft ten (10) feet deep and four (4) feet wide by six (6) feet long, and which shall cut the lode or mineral in place at a depth of ten (10) feet from the surface, shall be equivalent as a discovery work to a shaft sunk from the surface.

SECTION 8. Location notice may be amended at any time, and the monument changed to correspond with the amended location: provided, that no change shall be made that will interfere with the rights of others.

SECTION 9. The amount of assessment or representation work or improvements to be done or made during each year, after the completion of the location as heretofore provided, and the time for doing the same shall be as provided by the laws of the United States.

SECTION 10. Within three (3) months after the expiration of the period of the time fixed for the performance of annual labor, or the making of such improvements upon any mining claim, the person on whose behalf such work or improvements was made, or some person for him knowing the facts, may make a record in the office of the County Recorder of the county wherein such claim is situated, an affidavit in substance as follows:

TERRITORY OF ARIZONA, } ss.

..... being duly sworn deposes and says that he is a citizen of the United States and more than twenty-one years of age, resides at ..... in ..... County, Arizona, and is personally acquainted with the mining claim known as ..... Mining District, Arizona, the location notice of which is recorded in the office of the County Recorder of said County, in book ..... of Records of Mines, at page .....

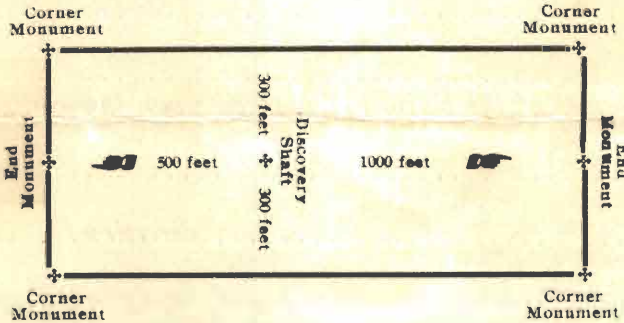
That between the ..... day of ..... A. D., and the ..... day of ..... A. D., at least ..... dollars worth of work and improvements were done and performed upon said claim, not including the location work of said claim. Such work and improvements were made by and at the expense of .....

owners of said claim, for the purpose of complying with the laws of the United States, pertaining to assessments of annual work, and (here name the owners or men who worked upon the claim in doing the work) were the men employed by said owner, and who labored upon said claim, did said work and improvements, the same being as follows, to-wit: (Here describe the work done).

Subscribed and sworn to before me, this ..... day of ..... A. D. (Signature)

My commission as Notary Public expires on the ..... day of ..... A. D. (Notarial Seal)

SECTION 11. Such affidavit, when so recorded, shall be prima facie evidence of the performance of such labor or the making of such improvements, and said original affidavit, after it has been recorded, or a certified copy of record of same, or the record of same, shall be received as evidence accordingly by the courts of the State. The relocation of forfeited or abandoned lode claims shall only be made by sinking a new discovery shaft and fixing the boundary in the same manner and to the same extent as is required in making an original location; or the locator may sink the original discovery shaft ten (10) feet deeper than it was at the commencement of such location, and shall erect new, or make the old monuments the same as originally required. In either case a new location monument shall be erected, and the location notice, shall state if the whole or any part of the new location is located as abandoned property, else it shall be void.



The above diagram is to give the locator a general idea of the plan of location under new law. Your discovery shaft may, be in the center of claim or any distance from either end you desire. In the diagram we have placed it 500 feet from one end and 1000 feet from the other. In description, be careful to state locality of claim with reference to some natural object, or permanent monument, so as to identify the claim.

STATE OF ARIZONA } ss.  
County of Pinal

I, W. L. BROWN, County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at ..... o'clock ..... M., on this MAR 7 - 1917 day of ..... 191..... and duly recorded in Book No. 33 of Mines Records of Pinal County, Arizona., at pages 378.

WITNESS my hand and official seal the day and year first above written.

W. L. BROWN  
County Recorder.

M. O. Benscoe  
Deputy

INDEXED

COMPARED

Notice of Location

LODE CLAIM

Dated ..... 191.....

Filed and recorded at request of Frank M. Leonard

MAR 7 - 1917 A. D., 191..... M

at 1 P.

Book 33 of Mines

Pages 378

W. L. Brown

County Recorder.

By M. O. Benscoe

Deputy Recorder.



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

## Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

September 22, 1917.

I, U. S. Surveyor-General for 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 Frank M. Leonard

SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER, HORN SILVER NO. 1, HORN SILVER NO. 2, SILVER NUGGET, LEAD BOULDER, known as the NUGGET AND SANTIAGO LODES.

situate in Casa Grande

Mining District, Pinal County, Arizona.

in Sections 23, 24, 25, 26, Township No. 8 S., Range No. 5 E., and designated as Survey No. 3369

, 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 improvements made upon said mining claim by claimant or his grantors, and that said improvements consist of 36 shafts, 8 tunnels, 7 cuts, 8 drifts, 1 winze, 3 cross-cuts and 2 stopes, total value \$22,350.

As improvements No. 3 on the Nugget and No. 4 on the Horn Silver lode constitute common improvements for the benefit and development of this entire group of claims, an undivided 1/11th interest in each of said improvements, value \$477.27 and \$545.45, respectively, is properly credited to each of the claims in this survey.

The value of improvement No. 2 on the Nugget lode is properly distributed between the Nugget and Silver Nugget lodes, a one-half interest therein, value \$167.50, being allotted 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.

Frank P. Trott,

United States Surveyor-General for Arizona.



4-687.

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,

September 22, 1917.

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

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

Frank M. Leonard

known as the SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER, HORN SILVER NO. 1, HORN SILVER NO. 2, SILVER NUGGET, LEAD BOULDER, NUGGET AND SANTIAGO LODES.

situate in CASA GRANDE mining district,

PINAL County, ARIZONA.

in Sections 23, 24, 25, 26, Township No. 8 S., Range No. 5 E.

designated as Survey No. 3369

executed by Paul E. Fernald, U. S. Deputy Mineral

Surveyor, March 26-April 16, 1917, under my instructions dated

March 12, 1917, 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.



U. S. Surveyor-General for Arizona.

(4-691.)

# Certificate of U. S. Surveyor General

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

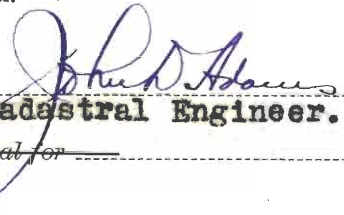
I, ~~U. S. Surveyor General for~~ **Office Cadastral Engineer, at Phoenix, Arizona,**  
do hereby certify that Five Hundred Dollars' worth of labor has been expended or  
improvements made by claimant or **its** grantors, upon <sup>or for each of</sup> the mining claim<sup>s</sup> of  
**Silver Reef Mining Company**

known as the **SAHUARA, CHOLLA, NUGGET EXTENSION, NUGGET FRACTION, HORN SILVER,  
HORN SILVER NO.1, HORN SILVER NO.2, SILVER NUGGET, LEAD BOULDER,  
NUGGET, and SANTIAGO lodes**  
situate in **Casa Grande** mining district,  
**Pinal** County, **Arizona**

in Section **s 23, 24, 25,** <sup>26</sup> Township No. **8 S.**, Range No. **5 E., G. & S. R. B. & M.**

that said improvements consist of, **in addition to those reported at  
time of survey, 372 feet of tunnel and 312 feet of drifts, crosscut,  
winze, raise and stope, value \$10,632.50**

....., and that no portion of said labor or improvements has been  
included in the estimate of expenditures upon any other claim. A copy of the report of  
**Paul E. Fernald,** U. S. Mineral Surveyor, dated  
**January 17, 1930**, 191-, is hereto attached.

  
**Office Cadastral Engineer.**  
~~U. S. Surveyor General for~~

PUBLIC SURVEY OFFICE,  
Phoenix, Arizona,  
January 25, 1930



4-690.

### Report of Expenditures upon Mining Claim, Filed by U. S. Mineral Surveyor after Return of Survey.

I, Paul E. Fernald, U. S. Mineral Surveyor, do

solemnly swear that in pursuance of instructions received from the United States Surveyor-General for Arizona, dated February 14th. 1917, I have made a personal and thorough examination upon the premises, to ascertain the value of the labor expended and improvements made by claimant.. or.....grantors upon the mining claim of.....

Silver Reef Mining Company

....., known as the Sahuara, Cholla, Nugget Extension, Nugget Fraction, Horn Silver, Horn Silver No.1, Horn Silver No.2, Silver Nugget, Lead Boulder, Nugget, and Santiago Lodes., situate in.....

Casa Grande mining district, Pinal

County, Arizona., in Section s 23, 24, 25, 26,, Township

No. 8 S., Range No. 5 E. G. & S. R. B. & M., surveyed by me

November 9th., 1929, and designated as Survey No. 3369.....;

that the value of the labor so expended and improvements so made are as fully stated in my report of said examination, hereto attached; that the character, extent, location, and itemized value of said improvements 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.

Paul E. Fernald

U. S. Mineral Surveyor.

Subscribed and sworn to by said

Paul E. Fernald

U. S. Mineral Surveyor, before me this

day of

January, 1930

[Signature]

Notary Public

My Commission expires Nov 29 1931



U.S. MINERAL SURVEY NO. 3369.

SUPPLEMENTAL REPORT ON IMPROVEMENTS. SEPT. 22nd., 1917 to NOV 9, 1929.

I certify that the value of labor and improvements made upon or for the benefit of each of the locations embraced in this survey by the claimant or its grantors, subsequent to my former returns as approved September 22nd., 1917, is not less than Five Hundred Dollars, and such improvements consist of:-  
 NUGGET LODE. Addition "A" to Improvement #3.

Note:- The Silver Reef Mining Company, present claimant of all locations embraced in this survey, on March 5th., 1926, located the TERRERO Lode, the location notice of which is recorded in Book 41, page 387, Pinal County Records of Mines. Such TERRERO Lode adjoins the SILVER NUGGET Lode and conflicts the NUGGET Lode, both of this survey, on the south. The center of the TERRERO Discovery Shaft bears N 65° 8¼'W, 502.02 feet from Cor. No. 1, NUGGET Lode, this survey. From Discovery, TERRERO Lode claims 300.00 feet - S 79° 4'W and 1200.00 feet - N 79° 4'E, with 300.00 feet in width on each side of center line.

Subsequent to location, from a point on the TERRERO Lode bearing N 77° 20¼'W, 302.43 feet from Cor. No. 1, NUGGET Lode, this survey, a cut and tunnel were driven on a course of S 28° 19½'E. At point 66.08 on center line, this tunnel intersects line 1 - 4, NUGGET Lode, this survey, at point N 88° 14'W, 263.85 feet from Corner No. 1.

From the above intersection point, the tunnel, 5½' by 7½' in section, runs S28° 19½'E, 372.00 feet to face. From point 349.00 on center line from intersection point, 5 x 7 drifts run S 60° 56'W - 26.00 feet and N 84° 40'E - 60.00 feet. From point 37.00 in latter drift, a 5 x 7 crosscut runs N 5° 20'W, 23.00 feet to face, with 25.00 foot raise therefrom. Total footage of above work within the lines of NUGGET Lode equals 372.00 feet of 5½ x 7½ foot tunnel and net 119.00 feet of 5 x 7 foot drifts, crosscut and raise. Lateral work is tracked. I value this work at an average of \$15.00 per foot, or a total of \$7365.00.  
 Addition "B" to Improvement No. 3.

In prior returns, Improvement No. 3 is described as a



57  
87

cut with center of mouth bearing S 26° 0' W, 248.00 feet from Cor.  
 No. 1, NUGGET Lode. Thence Cut runs S 16° 30' E, 24.00 feet to  
 mouth of tunnel, thence tunnel - same course - 67.00 feet to point  
 A, whence West, 7.00 feet to center of winze, 5 x 7, 40.00 feet  
 deep. From point A, drifts run westerly - 22.00 feet to face,  
 and easterly - 98.00 feet to point B. From point B, crosscuts  
 run S 16° 30' E - 33.00 feet and N 16° 30' W - 33.00 feet.

Subsequent work to the above is as follows:- Winze has  
 been deepened from 40. to 135. feet (95. feet net), connecting  
 with above described new TERRERO tunnel. From point A, west  
 drift has been lengthened from 22. to 51. feet (net 29. feet).  
 From point B, drift has been continued easterly 33 feet, north  
 crosscut has been advanced 20. feet and drift run 7. feet easterly  
 from point 33. (former face of crosscut). A 4x12' raise has been  
 made at this point. In the east drift, from point A-30 to A-62,  
 a down stope has been run with an average width of 10. feet and  
 depth of 5. feet.

Total footage of the above new work equals 95. feet of  
 5 x 7 foot winze, 89. feet of 5 x 7 foot drift and crosscut,  
 4 feet of 4 x 12 foot raise and down stope 32 x 10 x 5 feet.

I value the total at \$3267.50. Combined value of above  
 described additional improvements "A" and "B" is \$10632.50, and

both constitute a part of Improvement No. 3, NUGGET LODE. As  
 shown in prior returns, this is a Common Improvement, of equal  
 benefit to all locations embraced in this survey, hence an equal  
 1/11th. interest, valued at \$966.59, is properly accredited to  
 each and every lode therein.

1/11th. interest accredited to this location \$966.59  
 SILVER NUGGET LODE.

No. 6. 1/11th. interest in additional work -  
 Improvement No. 3, Nugget Lode, this survey 966.59

LEAD BOULDER LODE.

No. 4. 1/11th. interest in additional work -  
 Improvement No. 3, Nugget Lode, this survey 966.59



## SUPPLEMENTAL REPORT ON IMPROVEMENTS, Continued.

## NUGGET FRACTION LODE.

No. 3. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. \$966.59

## SAHUARA LODE.

No. 2. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. 966.59

## CHOLLA LODE.

No. 2. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. 966.59

## NUGGET EXTENSION LODE.

No. 2. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. 966.59

## HORN SILVER LODE.

No. 11. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. 966.59

## SANTIAGO LODE.

No. 2. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. 966.59

## HORN SILVER NO. 1 LODE.

No. 7. 1/11th. interest in additional work -  
Improvement No. 3, Nugget Lode, this survey. 966.59

## HORN SILVER NO. 2 LODE.

No. 9. 1/11th. interest in additional work -  
Improvement no. 3, Nugget Lode, this survey. 966.59

All above described improvements as measured on Nov. 9th.  
1929.

Paul E. Fernald.  
U.S. Mineral Surveyor.

Tucson, Arizona. January 17th. 1930.