

4-683

MINERAL SURVEY No. 4059.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Sanford H. Hudson

KNOWN AS THE

OLD RELIABLE, FORTUNA, WEDGE, GULCH, and GOOD LUCK lodes.

Bunker Hill Mining District,

Pinal County, Arizona.

Section 10, Township 8 S., Range 18 E. G. & S.R.B. & M.

Surveyed under instructions dated Jan 5th., 19 28.

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

Claim located (see location notices attached) 19

Survey commenced January 28th., 19 28.

Survey completed February 20th., 19 28.

Address of claimant's Attorney:-

John B. Wright, Atty. Tucson, Ariz.

DATES OF AMENDED LOCATIONS.

U.S. MINERAL SURVEY NO. 4059.

Feet.	
	<p>FORTUNA Lode.</p> <p>Beginning at Cor. No.1.</p> <p>A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059, 1 FORTUNA.</p> <p>Whence:- the ^{3 and} ¼ Cor.. Sections 10, T 8 S., R. 18 E., G. & S.R. B. & M. bears N 24° 53' W, 660.45 feet.</p> <p>Thence S. 39° 21' W</p>
310.00	West End Center - monument of stones, 4 foot base, 3 feet high.
620.00	<p>Corner No.2, falling at point 1219.00, line 4-1, Good Luck Lode, this survey.</p> <p>A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059, 2 FORTUNA</p> <p>Thence S. 69° 15' E</p>
340.00	Cross center draw running N. - N.E.
961.00	Cross center road from Bluebird Mine to Mammoth, course southerly.
1009.00	Cross center canyon running southerly, below junction with draw.
1219.00	Corner No.2, Gulch Lode, identical with Cor. No. 4, Good Luck Lode, both this survey, hereinafter described.
1500.00	<p>Corner No.3, falling on line 1-2, Gulch Lode, this survey, at point N 69°15 W, 324.00 feet from its Cor. No.1.</p> <p>A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059, 3 FORTUNA.</p> <p>Whence:- Cor. No.1, Childs No.1 Lode, U.S.Mineral Survey No.3263, bears N 7° 10' E, 109.89 feet.</p> <p>Cor. No.4, Childs No.1 Lode, U.s.Mineral Survey No.3263, bears S 38° 58'45" E, 1421.70 feet.</p> <p>Thence N 39°21' E</p>
77.65	Intersects Line 4-1, Childs No.1 Lode, Survey No.3263, at point S 35°57' E, 60.51 feet from Cor. No.1.

310.00	East End Center - monument of stones 4 feet base, 3 feet high.
620.00	Corner No.4. A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059, 4 FORTUNA. Whence Cor No.2, Childs No.1 Lode, Survey No.3263, bears N 45°40'E, 76.05 feet. Thence N 69°15'W
.02	Intersects Line 1-2, Childs No.1 Lode, Survey No.3263, at point N 45° 41'E, 530.25 feet from Cor. No.1.
824.00	Crosses center canyon, course S.- S.W.
980.00	Crosses center road, course southerly.
1500.00	Cor. No.1, the point of beginning. <u>GOOD LUCK</u> Lode. Beginning at Cor. No.1. A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059. 1 G.L. Whence the ^{3 and} ¼ Cor. of Section 10, T 8 S, R 18 E, G.& S. R.E.& M. bears N 21°06'30"E, 1049.44 feet. Thence S 26° 24'W.
206.00	Cross center draw running easterly.
294.00	West End Center - monument of stones 4 foot base - 3 feet high.
520.00	Corner No.2. A 1½" iron pipe 4 feet long, set 1½ fet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059. 2 G:L. Thence S 69°15'E
1466.30	Intersects line 2-3, Gulch Lode, this survey, at point S 30° 4'W, 524.39 feet from Cor. No.2.
1480.00	Crosses center canyon running S.- S.E.
1500.00	Cor. No.3, at east side canyon. A 1½" pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe

U.S. MINERAL SURVEY NO. 4059.

	<p>stamped U.S.M.S. 4059. 3 G.L.</p> <p>Thence N 26° 24'E</p>
25.00	Cross center road, running S.- S.E.
226.00	East End Center - monument of stones 4 foot base, 3 feet high.
361.00	Cross center draw running westerly.
520.00	<p>Corner No.4, identical with Cor. No.2, Gulch Lode, this survey. A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4 G.L.</p> <p>Whence:- Cor.No.1, Gulch Lode, this survey, bears S 69° 15'E, 605.00 feet.</p> <p>Cor.No.3, Gulch Lode, this survey, bears S 30° 4'W, 1500.00 feet.</p> <p>Cor. No. 3, Fortuna Lode, this survey, bears S 69° 15'E, 281.00 feet.</p> <p>Thence N 69° 15'W</p>
210.00	Cross center canyon running southerly.
258.00	Cross center road - course southerly.
879.00	Cross center draw running N.- N.E.
1219.00	Corner No.2, Fortuna Lode, this survey.
1500.00	<p>Cor. No.1, the point of beginning.</p> <p>WEDGE Lode.</p> <p>Beginning at Corner No.1, identical with Corner No.2, Good Luck Lode, this survey, heretofore described. Cap on pipe monument additionally stamped 1 - WEDGE for this corner.</p> <p>Whence;- the ¼^{3and} Cor. of Section 10, T. 8 S, R. 18 E, G. & S.R.B. & M. bears N. 22° 51' 45" E, 1567.97 feet.</p> <p>Thence S 26° 24' W.</p>
12.00	West End Center - monument of stones 4 foot base, 3 feet high.
142.00	<p>Corner No.2.</p> <p>A 1½" iron pipe, 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on</p>

- pipe stamped U.S.M.S. 4059. 2 WEDGE.
- Thence S $64^{\circ}53\frac{1}{2}'$ E
- 1443.28 Intersect Line 2-3, Gulch Lode, this survey, at point
S $30^{\circ}4'W$, 778.72 feet from Cor. No.2.
- 1493.09 Corner No.3.
A $1\frac{1}{2}$ " iron pipe, 4 feet long, set $1\frac{1}{2}$ feet in ground in
concrete and surrounded by monument of stones. Cap on
pipe stamped U.S.M.S. 3 WEDGE.
Whence:- Cor. No.3, Gulch Lode, this survey, bears
S $33^{\circ}58'45"W$, 727.28 feet
- Thence N $26^{\circ}24'E$
- 244.00 East End Center, in center canyon running S.- S.E.
Monument of stones 4 foot base, 3 feet high.
- 256.00 Corner No. 4, identical with Corner No. 3, Good Luck
Lode, this survey, heretofore described. Cap on pipe
monument additionally stamped 4 WEDGE for this corner.
Whence:- Cor. No.2, Gulch Lode, this survey, bears
N $26^{\circ}24'E$, 520.00 feet.
- Thence N $69^{\circ}15'W$.
- 20.00 Cross center canyon running S. - S.E.
- 33.70 Intersect Line 2-3, Gulch Lode, this survey, at point
S $30^{\circ}4'W$, 524.39 feet from Cor. No.2.
- 1500.00 Corner No.1, the point of beginning.
OLD RELIABLE Lode.
Beginning at Corner No.1, identical with Cor. No. 2,
Wedge Lode, this survey, heretofore described. Cap on
pipe monument additionally stamped 1 O.R. for this corner.
Whence:- the $\frac{1}{4}$ Cor. of Section^{3 and} 10, T.8 S, R.18 E, G.&
S.R.B.&M. bears N $23^{\circ}09'30"E$, 1709.74 feet
- Thence S $32^{\circ}12'W$
- 291.00 West End Center - monument of stones 4 foot base - 3 feet
high.
- 428.00 W.C. to Cor. No.2, at top precipitous slope to S.W.
A $1\frac{1}{2}$ " iron pipe 4 feet long, set $1\frac{1}{2}$ foot in ground in
concrete and surrounded by monument of stones. Cap on
pipe stamped U.S.M.S. 4059, 2 C.R. W.C. --> 163.

U.S. MINERAL SURVEY NO. 4059.

- 591.00 Cor. No. 2, True Point, falling on precipitous slope impossible of access. Hence I set W.C. at point 428.00, ^{on} line 1-2, as heretofore described.
- Thence S 64° 53' 30" E
from true point for Cor.
- 1465.36 Intersect Line 2 - 3, Gulch Lode, this survey, at point N 30° 4' E, 132.60 feet from Cor. No. 3.
- 1493.09 Corner No. 3.
- A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 3 O.R.
- Whence:- Cor. No. 3, Gulch Lode, this survey, bears S 41° 38' W, 137.79 feet.
- Thence N 32° 12' E.
- 300.00 East End Center - monument of stones 4 foot base - 3 feet high.
- 591.00 Corner No. 4; identical with Cor. No. 3 Wedge Lode, this Survey, heretofore described. Cap on pipe monument additionally stamped 4 O.R. for this corner.
- Whence:- Cor. No. 2, Gulch Lode, this survey, bears N 26° 24' E, 776.00 feet.
- Thence N 64° 53' 30" W
- 49.81 Intersect Line 2-3, Gulch Lode, this survey, at point N 30° 4' E, 721.28 feet from Cor. No. 3.
- 1493.09 Corner No. 1, the point of beginning.
- GULCH Lode.
- Beginning at Cor. No. 1.
- A 1½" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059, 1 GULCH.
- Whence:- the $\frac{1}{4}$ Cor. of Sections 10, ^{and 11} T 8 S, R 18 E, G. & S.R.B. & M. bears S 48° 58' 30" E, 1373.51 feet.
- Cor. No. 1, Childs No. 1 Lode, Survey No. 3263, bears N 52° 16' 15" W, 365.75 feet.
- Cor. No. 4, Childs No. 1 Lode, Survey No. 3263, bears S 30° 50' 15" E, 1153.48 feet.

- Cor. No.1, Mogul Lode, Survey No.3263, bears
N 61°28'45"W, 238.65 feet.
- Cor. No.2, Mogul Lode, Survey No.3263, bears
S 23°31'30"E, 477.97 feet.
- Thence N 69°15'W.
- 187.33 Intersects Line 4-1, Childs No.1 Lode, Survey No.3263,
at point S 35°57'E, 194.49 feet from Cor. No.1.
- Identically, intersects line 1-2, Mogul Lode, Survey No.
3263, at point S 35°57'E, 58.77 feet from Cor. No.1.
- 239.20 Intersects line 4-1, Mogul Lode, Survey No.3263, at point
N 25°37'E, 1467.60 feet from Cor. No.4.
- 301.00 North End Center, falling in center draw running W.- S.W.
Monument of stones 4 foot base, 3 feet high.
- 324.00 Corner No.3, Fortuna Lode, this survey, heretofore
described.
- 605.00 Corner No.2, identical with Cor. No.4, Good Luck Lode,
this survey, heretofore described. Cap on pipe mnt.
additionally stamped. 2 GULCH for this corner.
- Whence:- Cor. No.2, Fortuna Lode, this survey, bears
N 69°15'W, 1219.00 feet.
- Cor. No.3, Good Luck Lode, identical with Cor.
No.4, Wedge Lode, both this survey, bears S 26°24'W,
520.00 feet.
- Cor. No.3, Wedge Lode, identical with Cor. No.4,
Old Reliable Lode, both this survey, bears S 26°24'W,
776.00 feet.
- Thence S 30° 4'W
- 167.00 Cross center draw running westerly.
- 462.00 Cross center road running southerly.
- 512.00 Cross center canyon running S.- S.E.
- 524.39 Intersect line 2-3, Good Luck Lode, this survey, at point
N 69°15'W, 133.70 feet from Cor. No.3.
- Identically, intersect line 4-1, Wedge Lode, this survey,
at point N 69°15'W, 33.70 feet from Cor. No.4.
- 778.72 Intersect line 2-3, Wedge Lode, this survey, at point
N 64°53'30"W, 49.81 feet from Cor. No. 3.

U.S. MINERAL SURVEY NO. 4059.

	Identically intersect Line 4 - 1, Old Reliable Lode, this survey, at point N 64° 35' 30" W, 49.81 feet from Cor. No. 4.
1367.40	Intersects line 2-3, Old Reliable Lode, this survey, at point N 64° 53' 30" W, 27.73 feet from Cor. No. 3.
1500.00	Corner No. 3. A 1½" iron pipe four feet long, set 1½ foot in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059. 3 GULCH. Whence:- Cor. No. 2, Good Luck Lode, identical with Cor. No. 1, Wedge Lode, both this survey, bears N 32° 54' 12" W, 1624.39 feet. Cor. No. 2, Wedge Lode, identical with Cor. No. 1, Old Reliable Lode, both this survey, bears N 37° 24' 8" W, 1556.70 feet. Cor. No. 2, Old Reliable Lode, this survey, bears N 59° 42' 04" W, 1459.89 feet. Cor. No. 3, Old Reliable Lode, this survey, bears N 41° 38' E, 137.79 feet. Thence S 69° 15' E
140.00	Cross center road to Mammoth, running S.W.
304.00	South End Center, in center canyon running S.W. Mnt. of stones 4 foot base - 3 feet high.
511.34	Intersect line 3-4, Mogul Lode, Survey No. 3263, at point S 35° 57' 30" E, 32.59 feet from Cor. No. 4.
553.00	Cross center R.R. Cut. Old Reliable Tunnel to Copper Creek Mill.
605.00	Corner No. 4. A 1½" iron pipe 4 feet long, set 1½ foot in ground in concrete and surrounded by monument of stones. Cap on pipe stamped U.S.M.S. 4059, 4 GULCH. Whence:- Cor. No. 4, Mogul Lode, Survey No. 3263, bears N 60° 50' W, 122.22 feet. W.C. to Cor. No. 3, Mogul Lode, Survey No. 3263, bears S 34° 16' 30" E, 552.21 feet. True point for Cor. No. 3, Mogul Lode, Survey No. 3263 (not set), bears S 30° 48' 45" E 573.32 feet.

Thence N 30° 4'E
 92.00 Cross center R.R.Cut running S.W.
 224.00 Cross center R.R.Cut running southerly.
 1387.43 Intersect line 4-1, Childs No.1 Lode, Survey No.3263
 at point S 35° 57'E, 396.82 feet from Cor. No.1.
 Identically, intersect line 1-2, Mogul Lode, Survey No.
 3263, at point S 35° 57'E, 261.10 feet from Cor. No.1.
 1500.00 Corner No.1, the point of beginning.

Magnetic Variation at all corners of this survey is
 13° 45'E. No suitable natural bearing objects
 available from corners of this survey. The survey
 of each lode of this location is identical with the
 respective lode as staked upon the ground, and all survey
 corners are identical in position with the respective
 location monuments.

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 the respective
 discovery points:-
 Fortuna Lode, S 69°15'E - 198.00 feet and N 69°15'W -
 1302.00 feet.
 Good Luck Lode, S 69°15'E - 43.00 feet and N 69°15'W -
 1457.00 feet.
 Wedge Lode, S 69°15'E - 77.00 feet and N 69° 15'W -
 1423.00 feet.
 Old Reliable Lode, S 64°53'30"E. 219.09 feet and N 64°53'30"W.
 - 1274.00 feet.
 Gulch Lode, N 30° 4'E - 681.00 feet and S 30° 4'W -
 819.00 feet.

LOCATION:- This survey is located in Section 10, T 8 S, R 18 E, G.
 & S.R.B.& M, in the Bunker Hill Mining District, Pinal
 County, Arizona.

ADJOINING AND CONFLICTING CLAIMS:-

The various locations embraced in this survey conflict
 somewhat among themselves. Likewise the Fortuna

U.S. MINERAL SURVEY NO. 4059.

Lode conflicts ^{on the east} with the Childs No. 1 Lode, and the Gulch Lode ^{conflicts on the east} with the Childs No. 1 Lode, and the Mogul Lode, both of Survey No. 3263.

AREAS:-	Fortuna Lode, total area	20.235 acres.
	Conflict with Childs No. 1 Lode, Survey No. 3263	.365 acres
	Good Luck Lode, total area	17.819 acres
	Wedge Lode, total area	6.819 "
	Old Reliable Lode, total area	20.102 "
	Gulch Lode, total area	20.559 "
	Conflict with Good Luck Lode, this survey	.200 acres
	Conflict with Wedge Lode, this survey	.243 "
	Conflict with Old Reliable Lode, this survey	.522 "
	Conflict with Childs No. 1 Lode, Survey No. 3263.	.239 "
	Conflict with Mogul Lode, Survey No. 3263.	5.900 "

EXPENDITURE OF FIVE HUNDRED DOLLARS:-

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

FORTUNA Lode.

No. 1, Discovery Cut in S.E. the center of face of which is on center line, N 69°15'W, 198.00 feet from the East End Center. Cut 4 x 17 x 13' face. Value \$85.00

No. 2. Cut & tunnel - center mouth cut bears S 71°18'W, 338.00 feet from Cor. No. 4. Cut in E.- S.E., 4x16 to 11 foot face, thence tunnel 4x6x14 ft.
Value \$215.00

No. 3. Shaft, center of which bears S 76°18'W, 111.00 ft. from the East End Center. Shaft 4x5-5 feet deep - partly filled. Value \$25.00

A 1/5 interest in improvements Nos. 3 & 4, Gulch Lode, this survey, hereinafter described.

Value \$ 7000.00

GOOD LUCK Lode:-

No.1. Discovery Cut, in easterly, the center of mouth of which bears N 69°15'W, 43.00 feet from the East End Center.

Cut 4x14 to 9 foot face. Value \$50.00

No.2. Cut westerly, the mouth of which bears S 83°16'W, 267.00 feet from Cor. No.4. Cut 5x14 - 11.ft. face.

Value \$70.00

No.3. Cut & tunnel. Center mouth tunnel bears S 83°36'W, 571.50 feet from Cor. No.4. Cut 4x18 to 11 foot face, thence tunnel in westerly 4x6x81 feet.

Value \$900.00

A 1/5 interest in improvements Nos. 3 & 4, Gulch Lode, this survey, hereafter described.

Value \$7000.00

WEDGE Lode.

No.1. Discovery Cut in W. S.W. Center mouth bears N 69°15'W, 77.00 feet from the East End Center. Cut 4½x15x9 ft. face. Value \$55.00

No.2. Cut 4x14 - 12 foot face, in westerly. Center mouth bears N 57°13'W, 509.00 feet from Cor. No.3.

Value \$70.00

A 1/5 interest in improvements Nos. 3 & 4, Gulch Lode, this survey, hereinafter described. Value \$7000.00

OLD RELIABLE Lode.

No.1 Discovery Cut in N.W. 4x27 to 10 ft. face. Center mouth is on center line N 64°53'30"W, 219.09 feet from the East End Center. Value \$110.00

No.2. Shaft 4x7x10 feet deep, the center of which bears N 7°10'W, 406.90 feet from Cor. No.3.

Value \$50.00

No.3. Shaft 4x5x22 feet deep, the center of which bears N 34°0'W, 495.20 feet from Cor. No.3. Value \$200.00

No.4. Shaft 5x7x250 feet deep, the center of which bears N 18°40'W, 554.80 feet from Cor. No.3. This shaft connects at 250 foot depth with Tunnel No.4, Gulch Lode, this survey, hereinafter described.

Value \$3600.00

A 1/5 interest in improvements Nos. 3 & 4 Gulch Lode, this survey, hereinafter described.

Value \$7000.00

GULCH Lode.

No. 1. Discovery Cut, the center of mouth being on center line S 30° 4' W, 681.00 feet from the north end center.

Cut runs east, 4½ x 16 to 11 foot face, thence tunnel 4 x 6 - 11 feet long. Value \$190.00

No. 2. Shaft, 5 x 6 x 40 feet deep, the center of which bears S 1° 38' E, 185.00 feet from Cor. No. 2

Value \$500.00

No. 3. Center mouth of Tunnel bears N 85° 28' E, 308.00 feet from Cor. No. 3. Tunnel runs N 21° 30' W, 300.00 feet into hill, thence N 36° 30' W, 540.00 feet to breast.

At one hundred feet higher level, the center of mouth of No. 4 Tunnel bears N 47° 1' E, 341.00 feet from Cor. No. 3.

No. 4 Tunnel is driven N 36° 30' W - 640. feet, thence defl. 15° R - 60. feet, thence defl. 25° L - 40. feet to breast.

At stations 355. and 505. in No. 4 tunnel, winzes connect with No. 3 tunnel below, having hoisting equipment.

360. feet of lateral workings are opened on the No. 3 level and 600. feet on No. 4 level, together with a 150 x 200 foot stope section from which much ore has been

taken. These combined tunnels, with connecting winzes and laterals, show 2740. feet of linear work exclusive of stoping, which I value at \$35,000.00. Furthermore,

these connecting tunnels, starting at the low S.E. End of the group and driving N.W. under rapidly rising surface,

constitute the main general working for all five lodes embraced in this survey, and by continuing those tunnels in

level and direction, they will open up and develop all those lodes at depth. They therefore constitute

a common improvement of equal benefit to each lode in this survey, and an equal 1/5th. interest in their value is properly accredited to each lode herein.

1/5 interest accredited to this lode. Value \$7000.00

OTHER IMPROVEMENTS:-

GULCH Lode:- Ore bin, 12x74, the N.W.Cor. of which bears S 84° 7'W, 180.00 feet, from point on center line 300.00 from south end center. Connected by track with tunnel No.4, and with Copper Creek Mill, 1 mile easterly.

Scale shed, 10.x14., the N.E.Corner of which bears N 88°49'W, 179.73 feet from point on center line 300.00 feet from south end center.

Blacksmith Shop, frame 20x30, the S.E.Cor. of which bears N 68°38'W, 145.00 feet from point on center line 300.00 feet from the south end center.

Compressor House, frame 20x30, the S.E.Cor. of which bears N 62° 2'W, 124.70 feet from point on center line 300.00 feet from the south end center.

Pump House, frame 15x46, the westerly corner of which bears N 42°44'W, 74.35 feet from point on center line, 300.00 feet from the south end center.

WEDGE Lode. -

Discovery Cut of Mollie No.1 Lode, the center of mouth of which bears N 16°44'W, 111.00 feet from Corner No.3.

This Lode was located by George Young, Claimant, on Aug. 25th., 1927, and claims 600. feet southerly and 900. feet northerly, with 300. feet on each side of center line.

No corners nor end-center monuments could be identified.

Cut is in westerly, 4x14½ to 8½ foot face.

OLD RELIABLE Lode.

Discovery Cut of Mollie No.2 Lode, 4x16 - 12 foot face in westerly,

the center of mouth of which bears N 27°10'W, 452.60 feet from Cor. No. 3. This Lode was located by

George Young, Claimant, on August 25th, 1927, and claims

300. feet northerly and 1200. feet southerly, with 300.

feet on each side of center line. No corners nor end-

center monuments could be identified.

Mollie No.2 Lode Cut, in northerly 4x18 to 9' face, the center of mouth of which bears N 12°19'E, 238.55

feet from Cor. No.3. This work accredited to

U.S. MINERAL SURVEY NO. 4059.

George Young, Claimant, Mollie No.2 Lode, unsurveyed.

INSTRUMENT:- This survey was made with Dietzgen Transit No.7256.

Courses were deflected from the true meridian as determined by direct solar observations. Distances were measured with Lufkin 100 foot and Chicago 350 foot steel tapes.

REPORT: The lines of this survey were run direct upon the ground.

The N $\frac{1}{4}$ and E $\frac{1}{4}$ Corners of Section 10, T 8 S, R 13 E, G.& S.R.E.& M, were G.L.O. Corners - 1 inch iron pipe with brass caps.

Corners 1, 2 and 4 of Childs No.1 Lode, and Corners 1, 2, W.C.#3 and 4 of Mogul Lode, both Survey No.3263, are 1" iron pipe with 2" brass caps, stamped "U.S.M.S.No.3263, with claim name and corner number.

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 in description in the location notices.

Paul E. Fernald.
U.S. Mineral Surveyor

Tucson, Arizona. ~~January 22nd. 1929.~~

U.S. MINERAL SURVEY NO. 4059.

DIRECT SOLAR OBSERVATION FOR MERIDIAN. Sunday, January 29th. '28.

Deflect from Ran. line (aprox. S 23° 45' W).
Time used 105° long. or Denver 22.

Direct ^{Pos. of Sun} + R 16° 47' 45". A 27° 58' (- 2' r.c.) 3.01 P.M. *3 hrs 1 min*

Reverse + R 17° 14' 45". A 27° 49½' (- 2' R.C.). 3.06 P.M. *3 hrs 6*

Decl. is ^{22 hrs 3 mins} 22.03 hrs. is 18° 4.4' S. (American Nautical Almanac).
 Latitude N 32° 46½'.

Direct:-
 Cos. Q eq. - $\frac{\sin. 18^\circ 4.4'}{\cos. 32^\circ 46\frac{1}{2}'}$ $\frac{9.491690}{9.924695}$
 $\frac{9.566995}{9.946203}$
 $\frac{9.620792}{9.620792} = .41763$
 - $\frac{\tan. 32^\circ 46\frac{1}{2}'}{\tan. 27^\circ 56'}$ $\frac{9.808777}{9.724454}$
 $\frac{9.533231}{9.533231} = .34137$
 Q eq. $\frac{40^\circ 37' 25''}{16^\circ 47' 45''}$
 S 23° 49' 40" W is direct bearing.

Reverse
 $\frac{9.566995}{9.946771}$
 $\frac{9.620224}{9.620224} = .41708$
 $\frac{9.808777}{9.721855}$
 $\frac{9.530632}{9.530632} = .33934$
 Q eq. $\frac{40^\circ 51' 0''}{17^\circ 14' 45''}$
 S 23° 36' 15" W. is reverse bearing.

Average direct and reverse = true bearing $\frac{23^\circ 45' 30''}{42' 27\frac{1}{2}''}$ S 23° 43' W.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and
 boundaries described in the foregoing field notes of the survey of the mining claim of Sanford H. Hudson
 known as the OLD RELIABLE, FORTUNA, WEDGE, GULCH and GOOD LUCK lodes.
 and showing the respective capacities in which they acted.

E. E. Adams , Chainman.
 , Chainman.
Clyde Costilow , Axman.
 , Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. E. Adams
 and Clyde Costilow , do solemnly swear that we assisted
Paul E. Fernald , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Sanford H. Hudson
 known as the OLD RELIABLE, FORTUNA, WEDGE, GULCH, and GOOD LUCK lodes
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the ~~United States Surveyor General for~~ OFFICE CADASTRAL ENGINEER at Phoenix, Arizona,

E. E. Adams , Chainman.
 , Chainman.
Clyde Costilow , Axman.
 , Flagman.

Subscribed and sworn to by the above-named persons before me this 2nd
 day of March , 19 28

My Commission expires Nov 29 1931

[Signature]
 Notary Public

FINAL OATH OF U. S. MINERAL SURVEYOR

I, Paul E. Fernald, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated January 5th, 1928, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of Sanford H. Hudson, known as the OLD RELIABLE, FORTUNA, WEDGE, GULCH, and GOOD LUCK lodes, situate in Bunker Hill Mining District, Pinal County, Arizona, in Section 10, Township No. 8 S., Range No. 18 E. G. & S.R.B. & M. and designated as Survey No. 4059, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or his 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. Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald U. S. Mineral Surveyor, before me O. J. Riechy, a Notary Public this 2nd day of March, 1928

O. J. Riechy Notary Public

GOVERNMENT PRINTING OFFICE

My Commission Expires Nov 29 1931

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

May 30, 1929

I, Office Cadastral Engineer at Phoenix, Arizona

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

Sanford H. Hudson

known as the OLD RELIABLE, FORTUNA, WEDGE, GULCH, and GOOD LUCK lodes

situate in Bunker Hill

Mining District Pinal County Arizona

in Section 10, Township No. 8 S., Range No. 18 E., and

designated as Survey No. 4059, has been correctly copied from the originals on file in

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

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

or his grantors,

and that said improvements consist of 5 shafts, 9 cuts and 5 tunnels,

total value \$41,120

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.

John D. Adams

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

May 30, 1929

I, Office Cadastral Engineer at Phoenix, Arizona,

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

Sanford H. Hudson

, known as the

OLD RELIABLE, FORTUNA, WEDGE, GULCH, and GOOD LUCK lodes

situate in Bunker Hill mining district,

Pinal County, Arizona,

in Section 10, Township No. 8 S., Range No. 18 E.

, designated as Survey No. 4059

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

Surveyor, Jan. 28 - Feb. 20, 1928, under my instructions dated

Jan. 5, 1928, have been critically examined and the necessary

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

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Office Cadastral Engineer.