

NOV. 24. 1915 1

DEC. 20. 1915

4-683.

Mineral Survey No. 3212 A&B

Lot No. \_\_\_\_\_

Arizona Land District.

# FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

C. D. B. Howell

KNOWN AS THE

Tip Top, Horse Shoe, Eureka, Quantrell, Elephant Head, Stonewall, Grand Prize, Quantero, Homestake, Louk Out lodes, and Elephant Head Mill Site.

Coronado National Forest, Tyndall Mining District,

Santa Cruz County, Arizona

Sections 4, 5, 8 & 9, Township 20 S., Range 14 E, G&SRB&M, Unsurveyed.

amended  
Surveyed under instructions dated July 17, 1915,

by *William C. Goetz*  
U. S. Deputy Mineral Surveyor

Claim located See location notices, 1

Survey commenced July 19, 1915.

Survey completed July 30, 1915.

o 6-160

Address of Claimant's Attorney:

John H. Campbell,  
Tucson, Arizona.

Feet

Mineral Survey No.3212 A.

Horse Shoe ~~Lede~~

Beginning at Cor. No.1, identical with the N.E. Cor. of the location, a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.S.1-3212A; whence U.S. Min.Mon. No.3212 bears N.12° 45' 30" W. 1731.13 ft. distant.

Thence S.24° 08' E.

on line 1-2, ascending

62.0 small ridge, descend

230.0 small ravine, ascend

306.0 E.E.C. identical with the E.E.C. of the location: a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, ascend

612.0 Cor. No.2, identical with the S.E.Cor. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.S.2-3212A.

Thence S.54° 10' 30" W.

on line 2-3, descending

433.0 wagon road runs N. & S.

728.0 same road runs S.E. & N.W.

1106.0 ravine, runs westerly, ascend

1496.6 Cor. No.3, identical with the S.W. Cor. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.S.3-3212A.

Thence N.24° 08' W.

on line 3-4, steep descent

306.0 W.E.C., identical with the W.E.C. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high

612.0 Cor. No.4, identical with the N.W.Cor. of the location, a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.S.4-3212A; whence Cor.No.4 Elephant Head Mill Site, Survey No.3212B, hereinafter described, bears

Feet

N.52°00' W. 951.0 ft. distant; and Cor.No.1, aforesaid mill site, hereinafter described, bears N.52°13'57" W. 1645.78 ft. dist.; a 15 inch Oak tree, scribed H.S.4-3212A B.T. bears N.30°0' W. 20.3 ft. distant.

Thence N.54°10'30" E.

on line 4-1, descending

82.0 5 ft. ravine, bears N.W., ascend

274.0 wagon road runs N.W. & S.E.

1402.0 wagon road runs N, & S.

1496.6 Cor. No.1, the place of begining.

LookOut Lode

Beginning at Cor. No.1, identical with the N.W.Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed L.1-3212 A; whence the aforesaid U.S.Min.Mon.No.3212 bears N.8°53'24" W 1298.60 ft. distant.

Thence N.54°10'30" E.

on line 1-2, ascending steeply

61.0 wagon road, runs N.W. & S.E.

754.0 small ravine, runs W.

1013.09  
1013.09 intersect line 4-1 Elephant Head Lode of this survey S.76°04'E. 168.0 ft. from Cor. No.1 thereof, and N.76°04'W. 605.0 ft. from Cor.No.4 thereof.

1300.0 main high ridge, runs N.W.& S.E., descend steeply

1499.5 Cor. No.2, identical with the N.E.Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed L.2-3212 A. A 14 inch Oak tree, scribed L.2-3212 A-B.T. bears S.16°35' W. 44.6 ft. distant

Thence S. 24°08'E .

on line 2-3, ascending steeply

Feet

306.0 E.E.C., identical with the E.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high

424.0 top of main high ridge, level

471.6 Cor.No. 4, Elephant Head lode of this survey,

----- hereinafter described, descend

612.0 Cor.No.3, identical with the S.E.Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed L.3-3212 A. A 16 inch Oak tree scribed L.3-3212 A-B.T. bears N.10° 50' E. 37.5 ft. distant; and a 12 inch Oak tree scribed G.P.2-3212 A-B.T. bears N.57° 45' E. 33.0 ft. distant.

Thence S.54° 10' 30" W.

on line 3-4, descending steeply

1027.0 small ravine runs W., slight ascent

1277.0 top of small spur, descend

1499.5 Cor.No.4, identical with the S.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed L.4-3212 A.

Thence N.24° 08' W.

on line 4-1, identical in part with line 1-2 Horse Shoe lode of this survey heretofore described

167.8 Cor.No.2 Horse Shoe lode of this survey heretofore described, descend

232.0 wagon road runs N.& S.

297.0 ravine runs S.W., ascend

306.0 W.E.C. identical with the W.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high.

612.0 Cor.No.1, the place of beginning.



Feet

## Grand Prize

Beginning at Cor.No.1, identical with the N.W. Cor. of the amended location, and with Cor.No.4 of the Lookout lode of this survey, hereinbefore described. I scribed same G.P.1-3212 A. The aforesaid U.S.Min.Mon.No.3212 bears N.13°45' 31"W. 1894.93 ft. distant.

Thence N.54°10'30" E.

on line 1-2, identical with line 3-4 Lookout lode of this survey, hereinbefore described

1499.5 Cor.No.2, identical with the N.E. Cor. of the amended location and Cor.No.3 of the Lookout lode of this survey, hereinbefore described. I scribed same G.P.2-3212 A.

Thence S.24°08' E.

on line 2-3, along southerly side of main <sup>high</sup> ridge rocky outcrop, 70 ft. high

275.0

306.0 E.E.C., identical with the E.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, located in rocks near top of outcrop

320.0

top of outcrop, descend

612.0 Cor.No.3, identical with the S.E. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed G.P.3-3212 A.

Thence S.54°52'37"W.

on line 3-4, descend steeply

405.0

ravine, runs S.W.

1300.0

top of small spur

1495.82 Cor.No.4, identical with the S.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed G.P.4-3212 A.

Thence N.24°08' W.

on line 4-1, identical in part with line 2-1 of the Horse Shoe Lode of this survey, hereinbefore described; steep ascent

Feet  
 56.0 top of spur, slight descent  
 149.1 Cor.No.2 Horse Shoe lode, of this survey, hereinbefore described  
 287.3 W.E.C., identical with the W.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high  
 593.3 Cor.No.1, the place of beginning.

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Elephant Head

Beginning at Cor.No.1, identical with the S.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.H.1-3212 A; whence the aforesaid U.S.Min.Mon.No.3212 bears N.52°54'14"W. 1077.02ft. distant.

Thence N.53°12' E.

on line 1-2, ascending steeply

405.0 Top of main high ridge, descending steeply,  
 763.0 wagon road, runs N.W. & S.E.  
 1197.0 ravine, runs N.W.  
 1497.9 Cor.No.2, identical with the N.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.H.2-3212 A. A 20 inch Oak tree scribed E.H.2-3212 A-B.T. bears S.21°0'E. 58.3 ft. distant.

Thence S.76°04' E.

on line 2-3, ascending

386.5 E.E.C., identical with the E.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high  
 414.0 descend gently  
 519.0 steep descent  
 773.0 Cor.No.3, identical with the N.E. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft.

Feet high, and scribed E.H.3-3212 A, located in the bottom of a canyon. A 10 inch Oak tree, scribed E.H.3-3212 A-B.T. bears S.43°30'W. 4.6 ft. distant.

Thence S.53°12' W.

on line 3-4, ascending steeply

318.0 small ridge, descend

467.0 ravine, runs N.W., ascend

707.0 small ridge, steep descent

858.0 ravine, runs N., ascend

1028.0 wagon road, runs N.W. & S.E.

1478.0 top of main high ridge, level

1497.9 Cor.No.4, identical with the S.E. Cor. of the amended location and situated on line 2-3 Lookout lode of this survey, S. 24° 08' E. 471.6 ft. from Cor.No.2; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones, and scribed E.H.4-3212 A. A 14 inch Oak tree, scribed E.H.4-3212 A-B.T. bears N.30° 32' E. 31.8 ft. distant, and a 6 inch Oak tree, scribed Q1-3212 A-B.T., bears S.66° 40' E. 34.0 ft. distant.

Thence N.76°04' W.

on line 4-1, descending steeply

386.5 W.E.C., identical with the W.E.C. of the amended location a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high

605.0 intersect line 1-2 Lookout lode of this survey at S.54° 10' 30" W. 486.41 ft. from Cor.No.2 thereof, and N.54° 10' 30" E. 1013.09 ft. from Cor.No.1 thereof.

773.0 Cor.No.1, the place of beginning.

Quantrell

Beginning at Cor.No.1, identical with the N.W. Cor. of the amended location, and Cor.No.4 Elephant Head Lode of this survey, heretofore described; whence the afore-said U.S.Min.Mon.No.3212 bears N.62° 33' 24" W. 1813.37ft. dist. I scribed same Q1-3212 A.

Thence N.53° 12' E.

Feet

on line 1-2, identical with line 3-4 Elephant Head Lode of th  
this survey, heretofore described

1497.9 Cor.No.2, identical with the N.E. Cor. of the amended  
location, and with CorNo.3 Elephant Head lode of this  
survey heretofore described. I scribed same Q2-3212 A.

Thence S.24°08' E.

307.6 on line 2-3, ascending along easterly slope of ridge  
E.E.C., identical with the E.E.C. of the amended location;  
a cross in a granite rock in place on a 3 inch shelf in  
the face of a cliff 14 ft. high. I set a witness Cor.  
N.82°12'E. 4 ft. distant, a tack in a pine post 4 inches  
square by 4 ft. long, set in a mound of stones 3 ft.  
base by 2 1/2 ft. high, scribed W.C.-E.E.C.-Q.-W.E.C.-Co.  
3212 A

615.2 Cor.No.3, identical with the S.E.Cor. of the amended  
location; a tack in a pine post 3 by 6 inches by 4 ft.  
long, set in a mound of stones 3 ft. base by 2 1/2 ft.  
high, scribed Q3-3212 A. A 10 inch Oak tree scribed  
Q3-3212 A-B.T. bears S.15°05W. 31.2 ft. distant.

Thence S.53°12' W.

55.0 on line 3-4 , ascending steeply  
small ridge, slight descent

263.0 small ravine, runs N.W., steep ascent

1298.0 top of main high ridge, steep descent

1497.9 Cor.No.4, identical with the S.W. Cor. of the amended  
location, and on line 2-3 Grand Prize lode of this survey  
heretofore described; a tack in a pine post 4 inches  
square by 4 ft. long, set in a mound of stones 3 ft. base  
by 2 1/2 ft. high, and scribed Q4-3212 A. An 18 inch Oak  
tree, scribed Q4-3212 A-B.T., bears N.17°55'E. 17.4 ft.  
distant.

Thence N.24°08' W.

on line 4-1, identical in part with lines 2-3 Grand  
Prize, and Line 2-3 Lookout lodes of this survey hereto-  
fore described



Feet	
168.8	E.E.C. Grand Prize lode of this survey, heretofore described,
307.6	W.E.C., identical with the W.E.C. of the amended location a tack in a pine post 4 inches square by 4 ft. long, set
474.8	in a mound of stones 3 ft. base by 2 1/2 ft. high <i>Cor. 2. Grand Prize, Cor. 3. Lookout, heretofore described.</i>
615.2	Cor.No.1, the place of beginning.
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Tip Top	
Beginning at the Cor. No.1, identical with the N.W. Cor. of the location and with Cor.No.4 Quantrell Lode of this survey, heretofore described; whence the aforesaid U.S.Min.Mon.No.3212 bears N.53°06'00"W. 2326.97 ft.dist.; scribed same T.T.1-3212 A.	
Thence N.53°12' E.	
on line 1-2, identical with line 3-4 Quantrell Lode of this survey, heretofore described	
1497.9	Cor.No.2, identical with the N.E. Cor. of the location, and with Cor.No.3 Quantrell Lode of this survey, heretofore described. I scribed same T.T.2-3212 A.
Thence S.24°08' E.	
on line 2-3, steeply ascending	
159.0	top of ridge, ascend along side of slope
307.6	E.E.C., identical with the E.E.C. of the location; a tack in a pine post 3 inches by 6 inches by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high
615.2	Cor.No.3, identical with the S.E. Cor. of the location; a tack in a 3 by 6 inch pine post 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed T.T.3-3212 A. A 12 inch Oak tree, scribed T.T.3-3212A-B.T. bears S.49°9'W. 11.4 ft. distant, and an 8 inch Oak tree scribed T.T.3-3212 A-B.T., bears N.51°30'W. 23.3 ft. distant.
Thence S.53°12' W.	
on line 3-4, ascending steeply	
300.0	top of ridge, descend
758.0	ravine runs N.W., ascend steeply

Feet

1047.0 top of main high ridge, descend steeply  
 1497.9 Cor.No.4, identical with the S.W. Cor. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed T.T.4-3212 A.

Thence N.24° 08' W.

on line 4-1, identical in part with part of line 2-3 of the Grand Prize Lode of this survey, heretofore described, ascend across slope

307.6 W.E.C., identical with the W.E.C. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high

478.0 Cor.No.3 Grand prize lode of this survey heretofore described

615.2 Cor.No.1, the place of beginning.

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Quantero

Beginning at Cor.No.1, identical with the N.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed Qo1-3212 A; whence the aforesaid U.S.Min.Mon.No.3212 bears S.88° 39' 02" W. 2807.47 ft. and a 10 inch Oak tree, scribed on a low limb Qo1-3212 A B.T., bears South 4 .5 ft. distant. This tree is identical with the bearing tree for Cor.No.3 Elephant Head Lode of this survey.

Thence N.82° 12' E.

on line 1-2, ascending steeply

378.14 intersect line 3-4 Homestake Lode of this survey, hereinafter described, at N.8° 27' E. 144.62 ft. from Cor.No.4 thereof, and S.8 27' W. 458.18 ft. from Cor.No.3 thereof.

1498.0 Cor.No.2, identical with the N.E. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed Qo2-3212 A. An 8 inch Oak tree, scribed

Feet.

Qo2-3212 A-B.T., bears S.51° 07' W. 9.8ft. distant.  
 Thence S.24° 08' E.  
 on line 2-3, gently descending

312.6 E.E.C., identical with the E.E.C. of the amended location  
 a tack in a pine post 4 inches square by 4 ft. long, set  
 in a mound of stones 3 ft. base by 2 1/2 ft. high

625.2 Cor.No.3, identical with the S.E. Cor. of the amended  
 location; a tack in a pine post 4 inches square by 4 ft.  
 long, set in a mound of stones 3 ft. base by 2 1/2 ft.  
 high, and scribed Qo3-3212 A. A 10 inch Oak tree, scribed  
 Qo3-3212-A-B.T. bears S.85° 10' W. 19.7 ft. distant.  
 Thence S.82° 12' W.  
 on line 3-4, steeply descending

1065.0 bottom of canyon, steeply ascending

1498.0 Cor.No.4, identical with the S.W. Cor. of the amended  
 location; a tack in a pine post 4 inches square by 4 ft.  
 long, set in a mound of stones 3 ft. base by 2 1/2 ft.  
 high, and scribed Qo4-3212 A. A 10 inch Oak tree,  
 scribed Qo4-3212 A-B.T., bears N.73° 04' E. 9.5 ft. dist-  
 ant. This cor. is located on line 2-3 Tip Top Lode of  
 this survey, S.24° 08' E. 5 ft. from Cor. No. 2.  
 Thence N.24° 08' W.  
 on line 4-1, identical in part with part of line 2-3  
 Tip Top Lode and with line 2-3 Quantrell Lode of this  
 survey, heretofore described

5.0 Cor.No.2 Tip Top and Cor.No.3 Quantrell Lodes of this  
 survey, heretofore described

312.6 W.E.C., identical with the W.E.C. of the amended location  
 and the E.E.C. of the Quantrell Lode of this survey,  
 heretofore described

620.2 Cor.No.2 Quantrell and Cor.No.3 Elephant Head Lodes of  
 this survey, heretofore described, and intersect line 4-1 Homestake  
 lode of this survey, N 76° 04' W. 362 ft. from Cor. No. 4.

625.2 Cor.No.1, the place of beginning.

=====  
 Homestake

Beginning at Cor.No.1, identical with the S.W. Cor.

Feet	<p>of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.1 3212 A; whence the aforesaid U.S. Min. Mon. 3212 bears S.78°55'44"W. 1741.34ft. dist.</p> <p style="text-align: center;">Thence N.8°27' E.</p>
301.4	<p>on line 1-2, ascending steeply</p> <p>W.E.C., identical with the W.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high</p>
602.8	<p>Cor.No.2, identical with the N.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.2-3212 A.</p> <p style="text-align: center;">Thence S.76°04' E.</p>
200.0	<p>on line 2-3, descending ravine, ascending</p>
653.0	<p>top of small spur, descending</p>
759.0	<p>small ravine, ascending</p>
1495.1	<p>Cor.No.3, identical with the N.E. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.3-3212 A.</p> <p style="text-align: center;">Thence S.8°27' W.</p>
301.4	<p>on line 3-4, descending</p> <p>E.E.C., identical with the E.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high</p>
458.18	<p>intersect line 1-2 Quantxero Lode of this survey at N.82°12'E. <del>378.14</del> ft. from Cor.No.1 thereof, and S.82°12'W. <del>1119.86</del> ft. from Cor.No.2 thereof</p>
602.8	<p>Cor.No.4, identical with the S.E. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed H.4-3212 A.</p> <p style="text-align: center;">Thence N.76°04' W.</p>
	<p>on line 4-1, identical in part with line 2-3 Elephant</p>

Feet

362.0 Head Lode of this survey, heretofore described, descend  
 intersect line 4-1 Quantxero Lode of this survey at  
 S.24°08'E. 5 ft. from Cor.No.1 thereof, and at N.24°08'W.  
 620.2 ft. from Cor.No.4 thereof. This point of intersect-  
 ion is identical with  
~~362.0~~ Cor.No.2 Quantrell and Cor.No.3 Elephant Head Lodes of  
 this survey, heretofore described  
 748.5 E.E.C. Elephant Head Lode of this survey, heretofore de-  
 scribed  
 1135.0 Cor.No.2 Elephant Head Lode of this survey, heretofore  
 described, descend  
 1347.0 bottom of canyon, ascend  
 1495.1 Cor.No.1, the place of beginning.  
 =====  
 Stonewall  
 Beginning at Cor.No.1, identical with the S.W. Cor.  
 of the amended location, and with Cor.No.2 Homestake  
 Lode of this survey heretofore described, whence the  
 aforesaid U.S.Min.Mon<sup>No.</sup> 3212 bears S.62°37'41"W. 2024.18ft. dist  
 I scribed same S.1-3212 A.  
 Thence N.8°27' E.  
 on line 1-2, ascending  
 301.4 W.E.C., identical with the W.E.C. of the amended location;  
 a tack in a pine post 4 inches square by 4 ft. long, set  
 in a mound of stones 3 ft. base by 2 1/2 ft. high  
 502.0 cliffs, 45 ft. high  
 602.8 Cor.No.2, identical with the N.W. Cor. of the amended  
 location; a tack in a pine post 4 inches square by 4 ft.  
 long, set in a mound of stones 3 ft. base by 2 1/2 ft.  
 high, and scribed S.2-3212 A.  
 Thence S.76°04' E.  
 on line 2-3, ascending  
 163.0 top of ridge, descend  
 505.0 ravine, runs S.W., ascend  
 771.0 top of ridge, descend

Feet

1217.0 ravine, runs S.W., ascend

1495.1 Cor.No.3, identical with the N.E. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed S.3-3212 A. An 18 inch Oak tree, scribed S.3-3212 A-B.T., bears S.70° 55' W. 11.1 ft. distant.

Thence S.8° 27' W.

on line 3-4, descending

301.4 E.E.C., identical with the E.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high

602.8 Cor.No.4, identical with the S.E. Cor. of the amended location, and with Cor.No.3 Homestake Lode of this survey heretofore described. I scribed same S.4-3212 A.

Thence N.76° 04' W.

on line 4-1, identical with line 3-2 Homestake Lode of this survey, heretofore described

1495.1 Cor.No.1, the place of beginning.

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Eureka Lode

Beginning at Cor.No.1, identical with the S.W. Cor. of the amended location, and located on line 3-4 Stonewall Lode of this survey; <sup>at N 8° 27' E. 99.4 ft. from Cor. No. 4</sup> a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.1-3212 A; whence the aforesaid U.S.Min.Mon. <sup>No</sup> 3212 bears S.78° 24' 54" W. 3331.13 ft. and a 12 inch Oak tree, scribed E.1-3212 A-B.T., bears N.60° 05' E. 34.5 ft. distant.

Thence N.8° 27' E.

on line 1-2, identical in part with part of line 3-4 Stonewall Lode of this survey, heretofore described, ascend

202.0 E.E.C. Stonewall Lode of this survey, heretofore described

312.5 W.E.C., identical with the W.E.C. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set

Feet	
503.4	in a mound of stones 3 ft. base by 2 1/2 ft. high Cor.No.3 Stonewall Lode of this survey, heretofore de- scribed, ascend
625.0	Cor.No.2, identical with the N.W. Cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.2-3212 A. A 20 inch Oak tree, scribed E.2-3212 A-B.T., bears N.19°54'W. 23.3 ft. dist. Thence N.82°12'E. on line 2-3, ascending
513.0	spur, ascend south slope of ridge
1049.0	top of spur, ascend
1498.0	Cor.No.3, identical with the N.E. Cor. of the amended location; a tack in a pine post 4 ft. long and squared to 4 inches, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.3-3212 A. An 8 inch Pine tree, scribed E.3-3212 A-B.T., bears N.82°07'E. 65.4 ft. dist. Thence S.8°27' W. on line 3-4, descending steeply
312.5	E.E.C., identical with the E.E.C. of the amended location; a tack in a pine post 4 ft. long squared to 4 inches, set in a mound of stones 3 ft. base by 2 1/2 ft. high
625.0	Cor.No.4, identical with the S.E. Cor. of the amended location; a tack in an oak post 4 ft. long squared to 4 inches, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and ascribed E.4-3212 A. An 8 inch Oak tree, scribed E.4-3212 A-B.T., bears N.85°15'W. 31.0 ft. dist. Thence S.82°12 W. on line 4-1, steeply descending
1498.0	Cor.No.1, the place of beginning.

=====

#### Lode Lines.

As near as can be ascertained from surface indica-  
tions and present developments, the veins of the several  
locations embraced in this claim, extend from their re-  
spective discovery points as follows:

Feet

Horse Shoe Lode

N.54° 10'30"E. 101.0 ft. and S.54° 10'30"W. 1395.6 ft.

Look Out Lode

N.54° 10'30"E. 1412.5 ft. and S54° 10'30"W. 87.0 ft.

Grand Prize Lode

N.54° 10'30"E. 302.7 ft. and S.54° 10'30" W. 1196.8 ft.

Elephant Head Lode

N.53° 12'E. 532.0 ft. and S.53° 12'W. 965.9 ft.

Quantrell Lode

N.53° 12'E. 297.2 ft. and S.53° 12'W. 1200.7 ft.

Tip Top Lode

N.53° 12'E. 1434.9 ft. and S.53° 12'W. 63.0 ft.

Quantzero Lode

N.82° 12'E. 1032.0 ft. and S.82° 12'W. 466.0 ft.

Homestake Lode

N.76° 04'W. 933.1 ft. and S.76° 04'E. 562.0 ft.

Stonewall Lode

N.76° 04'W. 452.0 ft. and S.76° 04'E. 1043.1 Ft.

Eureka Lode

N.82° 12'E. 1416.0 ft. and S.82° 12'W. 82.0 ft.  
=====

Mineral Survey No. 3212 B.

Elephant Head Mill Site

Beginning at Cor.No.1, identical with the S.W. Cor. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.H.M.S.1-3212 B; whence the Cor. to Ts.19 & 20 S. Rs. 13 & 14 E. bears N.40°10'41"W. 9494.52 ft. distant, and Cor.No.4 Horse Shoe Lode of this survey, heretofore described, bears S.52°13'57"E. 1645.78 ft. dist.

Thence N.37° 18'E.

on line 1-2, descending

62.0 bottom of small canyon, runs N.W., ascend

74.0 wagon road, runs E. & W.

272.0 small wash, runs S.W.

312.4 Cor.No.2, identical with the N.W. Cor. of the location;





Feet

a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.H.M.S.2-3212 B. A ~~24 inch Oak tree, scribed E.H.M.S.2-3212 B-B.T., bears S.23° 27' E. 45.4 ft. distant.~~

Thence S52° 42' E.

on line 2-3, ascending

45.0 small wash, runs S.W., slight ascent

502.0 descend

615.0 wagon road, runs E.-W.

662.0 small ravine, runs S.W., slight ascent

697.18 Cor.No.3, identical with the N.E. Cor. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.H.M.S.3-3212B. A 24 inch Oak tree, scribed E.H.M.S.3-3212 B-B.T., bears S.23° 27' E. 45.4 ft. distant.

Thence S37° 18' W.

on line 3-4, slightly ascending

75.0 toe of low ridge, ascend

110.0 top of low ridge, descend

163.0 small canyon, runs N.W., ascend

312.4 Cor.No.4, identical with the S.E. Cor. of the location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2 1/2 ft. high, and scribed E.H.M.S.4-3212 B ; whence Cor.No.4 Horse Shoe Lode of this survey, bears S.52° 00' E. 951.0 ft. distant.

Thence N.52° 42' W.

~~318.0~~ on Line 4-1, descending

318.0 ravine, runs N.W.

697.18 Cor.No.1, the place of beginning

<u>Areas</u>	<u>Acres</u>	←
Total area Horse Shoe Lode	20.590	←
Total area Lookout Lode	20.630	←
Area in conflict with Elephant Head Lode, <sup>this survey</sup> 2.578		
Total area Grand Prize Lode	20.315	←

	Acres
Total area Elephant Head lode	20.579
Total area Quantrell Lode	20.640
Total area Tip Top Lode	20.640
Total area Quantkero Lode	20.632
Total area Homestake Lode	20.595
Area in conflict with Quantkero Lode, <sup>619</sup> this survey 0.619	
Total area Stonewall Lode	20.595
Total area Eureka Lode	20.635
Total area Elephant Head Mill Site	5.000
Total area of this claim	210.851

=====  
Location

This survey is located ~~approximately~~ in the S.W. 1/4 Sec.4, S.E.1/4 Sec.5, Sec.8, and N.W.1/4 Sec.9, T.20 S.R.14E., unsurveyed, G.&S.R.B&M., Tyndall Mining District, Coronado National Forest, Santa Cruz County, Arizona.

=====  
Adjoining Claims

This survey is ~~ad~~joined on the north by the Fraction A, Fraction B, and Summit Lodes; on the east by the Ramona and Rose Lodes, and vacant ground; on the south by the Topeka No.1 and No.2 Lodes, and vacant ground; on the west by the Valley No.2, Agua Frio No.2, Lockout No.2, Elephant Head No.2, Julia and Julia No.2 Lodes. All adjoining lodes are unsurveyed and are owned by C.D.B. Howell.

=====  
Expenditure of Five Hundred Dollars

I hereby certify that the value of the labor and im-  
provements made upon and for the benefit of <sup>each of</sup> the locations  
embraced in said mining claim by the claimant, or his  
grantors, is not less than five hundred dollars, and the  
said improvements consist of, as follows:

Horse Shoe Lode

From the E.E.C.

No.1 The discovery cut, 5 ft. wide by 10 ft. face by  
12 ft. long, bears S.54° 10' 30" W. 101.0 ft. distant. Value \$ 75.00

No.2 The mouth of a cut and tunnel bears S.68°43'W. 279.4 ft. distant. From its mouth, the cut, 10 ft. wide by 16.0 ft. face, bears N.62°59'E. 43.5 ft. to the mouth of the tunnel, whence the tunnel, 8 by 9 ft., bears N.69°09'E. 199.0 ft.; thence N.76°39'E. 87.8 ft.; thence S.88°51'E. 157.8 ft.; thence N.43°29'E. 31.6 ft.; thence N.0°06'W. 29.8 ft., (from which point a cross-cut 8 by 9 ft., bears N.0°06'W. 100.0 ft. to a face;) thence N.51°19'E. 46.8 ft.; thence N.14°54'E. 38.8 ft.; thence N.32°04'E. 167.8 ft., to a point, (from which point a cross-cut 8 by 9 ft., bears N.47°06'W. 79.0 ft. to a face; another cross-cut 8 by 9 ft., bears N.22°59'E. 58.0 ft. to a face); thence S.62°41'E. 60.0 ft.; thence S.41°39'E. 59.0 ft. to a point, (from which point a cross-cut 8 by 9 ft., bears S.41°39'E. 14.0 ft. to a face;) thence N.59°07'E. 70.0 ft. to the face of the tunnel. From a point in the tunnel 225.0 ft. distant from its mouth, a cross-cut, 7 by 8 ft., bears N.34°22'E. 37.0 ft. to a face. ~~Value~~

~~Value~~ 0.00

\$22200.00

Less credit of two thirds interest to Lookout and Grand Prize Lodes

\$14800.00

Value of one third interest

\$7400.00 ~~\$7400.00~~

Total Value

\$7475.00 ~~\$7475.00~~

Note. The Horse Shoe, Lookout and Grand Prize Lodes are situated on the southwesterly slope of the main high ridge. This tunnel is so located as to afford the best method of developing these three lodes. I have therefore

credited a one third interest in this improvement to each lode. <sup>by this</sup> The other lodes of this claim are not benefited

can be more economically developed from improvements No. 2 Quantrell, and No. 2 Eureka lodes, Lookout Lode

See A at end of notes.

From the W.E.C.

No.1 The discovery cut, 4 ft. wide, by 6 ft. face, by 10 ft. long, bears N.54°10'30"E. 87.0 ft. distant.

Value \$75.00

To be credited a one third interest from No.2 of the

Horse Shoe Lode of this survey

Value \$7400.00 ~~\$7400.00~~

Total Value \$7475.00 ~~\$7475.00~~

Grand Prize Lode

From the E.E.C.

No. 1- The discovery cut, 3.5 ft. wide, 8 ft. face, by 14 ft. long, bears S. 54° 10' 30" W. 302.7 ft. dist. ✓

Value \$80.00

To be credited a one-third interest from No. 2 of the Horseshoe lode of this survey

Value \$7400.00

Total Value \$7480.00

Elephant Head Lode

From Cor. No. 2

No. 1 - The mouth of the discovery cut and tunnel bears S. 7° 12' W. 418.3 ft. dist. From its mouth the cut, 6 ft. wide, 9 ft. face, bears S. 45° 00' E. 16 ft., and the tunnel, 6x7.5 ft. bears S. 45° 00' E. 20 ft. Value

\$350.00

To be credited a one-fifth interest from improvement No. 2 of the Quantrell lode of this survey, hereinafter described,

Value \$3727.00

Total Value \$4077.00

Quantrell Lode

From the E.E.C.

No. 1 - The discovery cut, 4 ft. wide, 6 ft. face, and 12 ft. long, bears S. 53° 12' W. 297.2 ft. dist. Value

\$75.00

No. 2 - A shaft 6x9 ft., inclining 70° from the horizontal, bears S. 53° 12' W. 358. ft. dist. From the surface this shaft descends N. 36° 43' W. about 60 ft. to water, thence to a depth unobtainable by me on account of the water and the incline.

From a point in this shaft 30 ft. below the collar, a drift 6x7.5 ft. bears S. 53° 17' W. 41.5 ft. From a point in this drift 29 ft. from the shaft, a cross-cut 6x7 ft. bears N. 54° 21' W. 33.4 ft. to its mouth at the face of an open cut, thence N. 54° 21' W. 35. ft. along the open cut, 6 ft. wide by 18 ft. face, to the surface. From a point in last named cross-cut, dist. 6 ft. from the drift, a winze 4x6 ft. descends to a depth unobtainable because of its incline and being filled with water. From a point 29 ft. from the shaft in last named drift, another cross-cut 6x7.5 ft. bears S. 54° 21' E. 9 ft. to a point, thence

*shaft 6x9x228*  
*145.6*  
*total with off.*  
*about 769.5 ft.*

N. 53°49' E. 8 ft. to a face, and S. 53°49' W. 12 ft. to another face. From a point on last named course 3.5 ft. back from last named face, a cross-cut 6x7.5 ft. bears S. ~~55~~ 55°11' E. 6.6 ft. to a face. This is known as the 30 foot level. Value of 30 foot level ~~\$2175.00~~ \$2175.00

NOTE: - The foregoing improvement No. 2 was not accessible to me for examination below the 30 foot level, as the lower workings were filled with water. My estimate of these submerged workings is made from an affidavit attached to these returns, which was executed by two disinterested parties.

Value of shaft described in attached affidavit \$4560.00  
 Value of 100 foot and 155 foot levels and stopes described in attached affidavit \$11900.00

Total value of improvement No.2 \$18635.00

Less credit of four-fifths interest to Tip Top, Elephant Head, Homestake and Quantero lodes of this survey Value \$14908.00

Value of one-fifth interest \$3727.00 ~~\$3727.00~~

Total value \$3802.00 ~~\$3802.00~~

NOTE:- I have distributed improvement No. 2 of the Quantrell trell lode among the Quantrell, TipTop, Elephant Head, Homestake and Quantero lodes as it appears to be the intention of the claimant, as judged by the layout of these workings, the dip of the vein which is to the N.W., the construction of a costly wagon road leading from these to the mill and railroad, and the topography of the ground, to develop the five lodes mentioned, which in my opinion seems to be a reasonable and economical system of development. This common improvement is located on the North slope of the main high ridge about 220. ft. above the canyon, which is narrow, and about 340. ft. below the top of the ridge. The other lodes will not benefit from this improvement because of the topography of the ground. See (A) at end of notes.

Tip Top Lode.  
 From the W.E.C.

No. 1 - The discovery cut, 5 ft. wide, 6 ft. face, by 13 ft. long, bears N. 53°12' E. 63 ft. dist. Value \$80.00 ~~\$80.00~~

To be credited a one-fifth interest from improvement

No. 2, Quantrell lode of this survey Value \$3727.00 ~~\$3727.00~~

Total value \$3807.00 ~~\$3807.00~~

Quantero Lode

From the W.E.C.

No. 1 - The discovery shaft, 4x6 ft., 11 ft. deep, bears N. 82° 12' E. 466. ft. dist.	Value	\$110.00
No. 2 - The mouth of a tunnel which has caved in ( dimensions unobtainable) bears S. 85° 58' E. 369.6 ft. dist. In the mouth of this tunnel is a shaft 4.5x6 ft. 25. ft. deep,	Value of shaft	\$250.00
No. 3 - The mouth of a tunnel 4.5x6 ft. bears S. 81° 38' E. 290.4 ft. dist. From its mouth the tunnel bears S. 45° 00' W. 29.6 ft., thence N. 65° 00' W. 22.2 ft. to a face,	Value	\$400.00
No. 4 - A shaft 5x9 ft., 40. ft. deep bears S. 61° 53' E. 175.2 ft. dist.	Value	\$800.00
No. 5 - The mouth of a cut 6 ft. wide by 10 ft. face bears S. 61° 06' E. 167. ft. dist. From its mouth the cut bears S. 10° 00' E. 20. ft.	Value	\$120.00
To be credited a one-fifth interest from improvement No. 2 of the Quantrell lode of this survey,	Value	\$3727.00
	Total Value	\$5407.00

Homestake Lode

From the E.E.C.

No. 1 - The discovery cut, 4 ft. wide, 9 ft. face, 10 ft. long, bears N. 76° 04' W. 562. ft. dist.	Value	\$80.00
From a point on line 4-1 of this lode, dist. N. 76° 04' W. 748.5 ft. from Cor. No. 4 thereof, said point being the E. E.C. Elephant Head lode of this survey:		
No. 2 - The mouth of a tunnel 3x6 ft. bears N. 58° 41' E. 188.7 ft. dist. From its mouth the tunnel bears N. 10° 00' W. 20 ft.	Value	\$200.00
No. 3 - A cut, 4 ft. wide, 9 ft. face, 10 ft. long, bears N. 48° 16' E. 249.8 ft. dist.	Value	\$80.00
To be credited a one-fifth interest from improvement No. 2, Quantrell lode of this survey,	Value	\$3727.00
	Total Value	\$4087.00

Stonewall Lode

From the W.E.C.

No. 1 - The discovery cut, 4 ft. wide, 6 ft. face, 12 ft. long, bears S. 76°04' E. 452. ft. dist. Value \$72.00 ~~\$72.00~~

From Cor. No. 1.

No. 2 - The mouth of a cut 4 ft. wide by 6 ft. face bears N. 73°03' E. 425.8 ft. dist. From its mouth the cut bears N. 19°36' E. 10 ft., and a tunnel 4x6 ft. bears N. 19°36'E. 20 ft. Value \$300.00 ~~\$300.00~~

From Cor. No. 4.

No. 3 - The mouth of a cut 4 ft. wide by 6 ft. face bears N. 66°24' W. 659.9 ft. dist. From its mouth the cut bears N. 10°00' W. 9 ft., thence a tunnel 4x6 ft. bears N. 10°00'W. 11 ft. Value \$200.00 ~~\$200.00~~

To be credited a one-half interest from improvement No.2, Eureka lode of this survey, hereinafter described, Value \$700.00 ~~\$700.00~~  
Total Value \$1272.00 ~~\$1272.00~~

Eureka Lode

From the W.E.C.

No. 1 - The discovery cut, 4 ft. wide, 8 ft. face, 9 ft. long, bears N. 82°12' E. 82. ft. dist. Value \$72.00 ~~\$72.00~~

No. 2 - A shaft 4x8 ft., 70 ft. deep, bears N. 24°57' E. 178. ft. dist. Value \$1400.00

Less credit of one-half interest to Stonewall lode of this survey Value \$700.00

Value of one-half interest ~~\$700.00~~  
\$700.00  
Total Value ~~\$772.00~~  
\$772.00

NOTE:-Because of the proximity of improvement No. 2 of the Eureka lode to the Stonewall lode, and as both lodes are situated near the top of the South slope of a high ridge, I have credited a one-half interest in this improvement to said Stonewall lode, as in my opinion this shaft will tend to develop said lode. The other lodes will not benefit from this improvement because of the topography of the ground. See (A) at end of notes.

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Other Improvements.

Elephant Head Mill Site.

From Cor. No. 1

A spring of water bears N. 81° 36' E. 57. ft. dist.

From Cor. No. 2

A masonry dam 12, ft. long by 6. ft. high, and reservoir 25. ft. long, bears S. 6° 48' W. 35. ft. dist. Value \$50.00

The N.W. Cor. of a corrugated iron power house 30x50 ft. bears S. 17° 13' W. 163.4 ft. dist. Value \$800.00 This power house contains one 150 horse power Snow Internal Combustion Crude Oil engine; value \$10000.00; one 480 volt generator, value \$900.00; one 125 volt generator, value \$300.00; and one 2 horse power electric motor with necessary switch board, value \$100.00. Total value \$12100.00

From Cor. No. 3

The N.E. Cor. of a corrugated iron and adobe dwelling, 31x38 ft. bears N. 70° 42' W. 318. ft. dist. Value \$900.00

The N.E. Cor. of a corrugated iron store and office 16x46 ft. N. 81° 14' W. 376. ft. dist. Value \$300.00

The N.E. Cor. of a corrugated iron store room 12x14 ft. bears N. 77° 13' W. 304. ft. dist. Value \$100.00

The N.E. Cor. of a corrugated iron garage and stable 17x20 ft. bears N. 89° 04' W. 237. ft. dist. Value \$150.00

Total Value \$ 13600.00



## Horseshoe Lode

From the E.E.C.

The S.E. Cor. of a corrugated iron boiler and air compressor house 28x46 ft. bears S.  $56^{\circ}12'$  W. 231. ft. dist, containing a 150 horse power boiler and an air compressor, Value ~~\$2500.00~~  
\$2500.00

The N.E. Cor. of a corrugated iron Dry Concentrating Mill, 100 tons capacity, 46x46 ft. bears S.  $74^{\circ}20'$  W. 421.2 ft. dist.

Adjoining the mill on the East side is a Guinner ore crusher of 100 tons capacity, from which extends East a wooden ore bin 10x15 ft., then a wooden trestle 10x35 ft., and then a 10 ton capacity wagon scales. Total Value ~~\$20000.00~~  
\$2000.00

On the Horseshoe, Lookout, Elephant Head and Quantrell lodes is built about 4400. ft. of wagon road costing about \$3000.00 per mile. Value ~~\$2500.00~~  
\$2500.00

## Quantrell Lode

At the shaft, improvement No. 2, is a gallows frame with a 25 horse power compressed air hoist and appurtanances threto, and a 12x15 ft. ore bin with trestle, Value ~~\$800.00~~  
\$800.00

## Instrument.

This survey was executed with a "Lietz Light Mountain ~~Transit~~" Transit" graduated to minutes, and all courses were determined and deflected from a true meridian as determined by direct Polaris observation. The distances were measured with "Lufkin" 300. ft. and 50. ft. steel tapes, together with brass plummets.

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## Report.

Wherever improvements are located from points other than the corners of the various lodes, the same was done in order to obtain a greater degree of accuracy. Where distances from the discovery work to the end center monuments of the various lodes do not agree with the location, the same is due to errors in the respective locations.

The corner to Townships 19 and 20 S. Ranges 13 and 14 E, *to which the mill site is tied,* is a granite stone 8x9 inches, 10 inches above the ground, and is marked with six notches on each of four edges. A diligent search along this range line for 3 miles south from this township corner failed to reveal any other corners.

U.S.M.M. No. 3212.

The United States Mineral Monument Number 3212, to which Mineral Survey Number 3212 A. is tied, *in a rocky outcrop on the east projection of a small peak on a high ridge,* is a granite stone in place, 16 by 20 inches, and 20 inches above the surrounding ground, chiseled U.S.M.M. 3212, and marked by a cross chiseled in its top at the exact point of connection; whence a 9 inch Oak tree, scribed U.S.M.M. 3212 B.T., and marked with a cross scribed at the exact point of connection, bears N. 22° 24' 30" W. 46.98 ft. distant; and ~~whence~~ a granite stone in place, 24 by 36 inches and 33 inches above the surrounding ground, chiseled U.S.M.M. 3212 B.R. and ~~by~~ a cross ~~chiseled~~ at the exact point of connection, bears N. 80° 18' 30" W. 26.78 ft. distant; ~~and whence~~ *about 3 1/3 miles dist.* Hopkins Mt., Santa Rita Mts., bears S. 62° 20' E.; ~~and~~ *about 2 miles dist.* ~~whence~~ Pete Mt., Santa Rita Mts., bears N. 19° 55' W.; ~~and whence~~ Barboquivari Mt., Barboquivari Mts., bears N. 84° 20' W. *about 39 miles dist.*

see separate sheet

A mound of stones 6 ft. base by 4 ft. high, closely adjacent on the N.E. side, of the aforesaid mineral monument further marks its position.

The village of Amado, Santa Cruz Co., Arizona, is approximately 6 1/2 miles west of the aforesaid mineral monument.

As near as could be ascertained, the astronomical position of the aforesaid mineral monument is

Latitude N. 31° 43' 07" and

Longitude W. 110° 55' 57"

All corners on the exterior boundary of this survey are

identical with the coinciding corners of adjoining unsurveyed lodes, and are so accepted by the owner of these lodes. Where, according to the map herewith, mention of corners of adjoining unsurveyed lodes is omitted, the same was done because no such corners were found after a diligent search was made.

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Variation.

The variation at all corners was  $13^{\circ} 35'$  E.

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*William C. Goetz*  
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U.S. Mineral Surveyor.

Tucson, Arizona, September 22, 1915

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Note **(A)** - Improvement No. 2 of the Horse Shoe Lode is situated on the west slope of a very high ridge and will ~~not~~ tend to develop only the three lodes debited to it because of this ridge, the remaining lodes being on the east slope of this ridge and the west slope of a second ridge. Improvement No. 2 of the Quantrell Lode will benefit only the five lodes to which it is credited because it is a shaft situated about half way between the top and bottom of the first ridge mentioned <sup>and on the east slope of the same,</sup> the remaining lodes being on the other side of this ridge and on the other side of the canyon. Improvement No. 2 of the Eureka Lode will benefit only the two lodes to which it is credited because it is situated on the east slope of the second ridge at such an altitude above the remaining lodes that the same can be far better developed from the other improvements as above distributed.

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State of Arizona)  
County of Pima ) (ss

Frank L. Lewis Jr and Thomas M Park being

duly sworn, each for himself and not one for the other, deposes and says; that he is familiar with the ground covered by the Quantrell Mining claim of the Elephant Head group, owned by C.D.B.Howell, recorded on page 93 of Book 15 Mining Locations in the office of the County Recorder of Santa Cruz County, State of Arizona, situated in the Tyndall Mining District, Coronado National Forest, Santa Cruz County, State of Arizona; and that he is familiar with the underground workings on said Quantrell Mining claim; that the main shaft on said claim, located about 358. feet westerly of the east end center monument of said claim is about 228. feet deep on the incline; that on the 100 foot level of this shaft a drift, 6 by 7 feet, extends northeast about 50. feet, and another drift, 6 by 7 feet, extends southwest about 60. feet; that about 25. feet from the shaft in the southwest drift a winze, 4 by 4 feet, descends to a stope; that about 20. feet from the shaft in the southwest drift a cross-cut, 6 by 7 feet, extends southwesterly about 25. feet; that about 10. feet from the shaft in the northeast drift, a cross-cut, 6 by 7 feet, extends northwest about 15. feet; that about 25,feet from the shaft in the northeast drift a cross-cut, 6 by 7 feet, extends southeast about 15. feet; that about 15. feet above the floor of the southwest drift is the floor of a stope about 10. feet high by 20. feet wide and 50. feet long, from which stope there are about five ore chutes leading to said southwest drift, and that from this stope a raise, about 4 by 5 feet, extends to a tunnel on the 30 foot level.

That on the 155 foot level of this shaft a drift, 6 by 7 feet, extends northeast about 75. feet, and another drift, 6 by 7 feet, extends southwest about 70. feet; that about 25. feet from the shaft in the northeast drift a cross-cut, 6 by 7 feet, extends southeast about 30. feet, thence southerly about 15. feet to a face; that from the end of this cross-cut a raise, about 4 by 6 feet, extends upward about 20. feet to a roof; that about 25. feet from the shaft in the southwest drift a cross-cut, 6 by 7 feet

workings  
215 ft  
70 ft

about 624 ft.

workings  
224 ft  
55 ft  
6110 ft

extends northwest about 24. feet; that about 15. feet above the floor of this southwest drift is the floor of a stope about 10. feet high by 20. feet wide and 50. feet long, with about five ore chutes leading therefrom to said southwest drift, and that from the roof of this stope the winze described above as being in the southwest drift of the 100 foot level, extends upward to said 100 foot level.

That to the best of his knowledge the foregoing is an accurate description of the underground workings of the main shaft on said Quantrell Mining claim, excepting the 30 foot level.

Frank L. Culin Jr

Thos M Park

-----  
Subscribed and sworn to before me this 2<sup>nd</sup> day of August, A.D. 1915, by Frank L Culin Jr.  
and Thomas M Park.

My commission expires Sept 26, 1916.

Mauda J Bowen

Notary Public, Pima County, Arizona.

STATE OF ARIZONA, )  
County of Pima. ) ss

This instrument was acknowledged before me this first day of September, 1915, by Thomas M. Park.

My commission will expire September 26, 1916.

Mauda J Bowen

Notary Public, Pima County,  
Arizona.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by William C. Goetz

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 C. D. B. Howell

known as the Tip Top, Horse Shoe, Eureka, Quantrell, Elephant Head, Stonewall, Grand Prize, Cuantero, Homestake, Look Out lodes, and Elephant Head Mill Site, and showing the respective capacities in which they acted.

- James S. Mills....., Chainman.
- Arthur Pogue....., Chainman.
- ....., Axman.
- ....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, James S. Mills and Arthur Pogue

~~and~~....., do solemnly swear that we assisted William C. Goetz....., United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of C. D. B. Howell

known as the Tip Top, Horse Shoe, Eureka, Quantrell, Elephant Head, Stonewall, Grand Prize, Cuantero, Homestake, Look Out lodes, and Elephant Head Mill Site, 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

*(Erasures above are due to misspelling by the stenographer William C. Goetz)*

- James S. Mills....., Chainman.
- Arthur Pogue....., Chainman.
- ....., Axman.
- ....., Flagman.

Subscribed and sworn to by the above-named persons before me this 23<sup>d</sup>

day of August, 1915

*My commission will expire Sept 26, 1916.*

Maudie A Bowen  
Notary Public

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, William C. Goetz, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of amended instructions received from the United States Surveyor General for Arizona, dated July 17, 1915, 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 C. D. B. Howell

known as the Tip Top, Horse Shoe, Eureka, Quantrell, Elephant Head, Stonewall, Grand Prize, Quantero, Homestake, Lock Out lodes, and Elephant Head Mill Site, situate in Coronado National Forest, Tyndall Mining District, Santa Cruz County, Arizona, in Sections 4, 5, 8 & 9, Township No. 20 S., Range No. 14 E, G&SRB&M. Unsur, and designated as Survey No. 3212 A&B, 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 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.

William C. Goetz
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said William C. Goetz
U. S. Deputy Mineral Surveyor, before me Maudie L. Bowen
Notary Public this 21st
day of August, 1916.

My commission will expire Sept 26, 1916
Maudie L. Bowen
Notary Public

NOTICE OF MINING LOCATION

LODE CLAIM.

JUL 9 - 1915

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Tip Top 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 Thos. M. Park, a citizen of the United States, the undersigned, on the Sixth day of Feby 1912.

The length of this claim is 1500 feet; and I claim 1452 feet in a North Easterly direction and 48 feet in a South 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 South West to the North East.

The claim is situated and located in the Tyndall Mining District, in Santa Cruz County, in the Territory of Arizona, about 6400 feet in a South Easterly direction from Elephant Head Peak.

The surface boundaries are marked upon the ground as follows: Beginning at a monument of stones at a point in a North Easterly direction 1452 feet from the discovery shaft (at which this notice is posted) being <sup>at</sup> the center of the East end line of said claim; thence N 23° 45' W, 307.68 feet to a monument of stone being the North East corner of said claim; thence S 53° 25' W, 1500 feet to a monument of stone being at the North West corner of said claim; thence S 23° 45' E, 307.68 feet to a monument of stone at the center of the West end of said claim thence S 23° 45' E, 307.68 feet to a monument of stone being at the South West corner of said claim; thence N 53° 25' E, 1500 feet to a munt. of stone at the South East corner of said claim; thence N 23° 45' W, 307.68 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 Sixth day of Feby 1912.

This claim joins the Quantrell Lode Claim on the North West

and the Topeka No. 1 Lode Claim on the South West.

Thos. M. Park.

Filed and recorded at request of Nave and Campbell, May 1, A. D. 1912, at 9 A. M. Book 14 Mining Locations pages 324-325.

Phil Herold,

County Recorder.



STATE OF ARIZONA )  
COUNTY OF SANTA CRUZ ) ss.

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Notice of Mining Location of the Tip Top Mining Claim, recorded in this office on May 1, 1912 in Book 14 of Mining Locations at pages 324-325, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.



*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.

NOTICE OF MINING LOCATION

LODE CLAIM.

JUL 3 1915

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Horse Shoe 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 Thos. M. Park, a citizen of the United States, the undersigned, on the Sixth day of Feby 1912.

The length of this claim is 1500 feet, and I claim 103 feet in a North Easterly direction and 1397 feet in a South Westerly direction from the center of face of the discovery cut, 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 to the

The claim is situated and located in the Tyndale Mining District in Santa Cruz County, in the Territory of Arizona, about 6200 feet in a Southerly direction from Elephany Head Peak.

The boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a North Easterly direction 103 feet from the discovery shaft (at which this notice is posted) being in the center of the East end line of said claim; thence N 23° 45' W. 306.45 feet to a monument of stone being the North East corner of said claim; thence S 54° 28' W, 1500 feet to a monument of stone being at the North West corner of said claim; thence S. 23° 45' E, 306.45 feet to a monument of stone at the center of the West end of said claim thence S 23° 45' E 306.45 feet to a monument of stone being at the South West corner of said claim; thence N 54° 28' E, 1500 feet to a mmt. of stone at the South East corner of said claim; thence N 23° 45' W, 306.45 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 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 Sixth day of Feby 1912.

This claim joins the Agua Frio Lode Claim on the North West, and the Topeka No. 2 Lode Claim on the South East.

Thos. M. Park.

Filed and recorded at request of Nave and Campbell May 1, A. D. 1912, at 9 A. M. Book 14 Mining Locations pages 327-328.

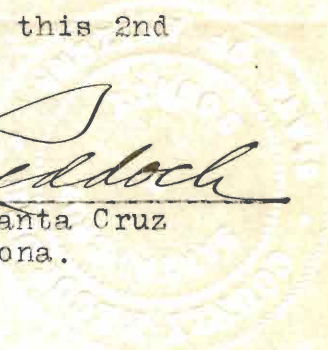
Phil Herold.

County Recorder.

STATE OF ARIZONA            )  
  ) ss.  
COUNTY OF SANTA CRUZ    )

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Notice of Mining Location of the Horse Shoe Mining Claim, recorded in this office on May 1, 1912 in Book 14 of Mining Locations at pages 327-328, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.

  
*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.



AMENDED NOTICE OF  
MINING LOCATION

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the EUREKA 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 B. F. Daniels and J. L. Tremaine, citizens of the United States, the undersigned, on the 20th day of June, 1912.

The length of this claim is 1500 feet, and we claim 1386 feet in an easterly direction and 114 feet in a westerly direction from the center of the discovery scutt, 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 west to the east.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz County, in the Territory of Arizona, about 6400 feet in a east by S.E. direction from Elephant Head Peak and joins the "Summit" Lode claim on the North and the "Rose" Lode claim on the south.

The surface bounadries of the claim are marked upon the grounds as follows: Beginning at a monument of stones at a point in an easterly direction 1386 feet from the discovery cut (at which this notice is posted) being in the center of the east end line of said claim; thence N. 8° 50' E, 312.48 feet to a monument of stones, being the northeast corner of said claim; thence S. 82° 35' W. 1500 feet to a monument of stones, being at the northwest corner of said claim; thence S. 8° 50' W., 312.48 feet to a monument of stones at the center of the west end of said claim, thence S 8° 50' W, 312.48 feet to a monument of stones being at the southwest corner of said claim; thence N. 82° 35' E 1500 feet to a monument of stones at the southeast corner of said claim; thence N. 8° 50' E. 312.48 feet to the place of beginning.

All done under the provisions of Chap. 6, 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.

This is an amended Location Notice of the Eureka Mining Claim, located by B. F. Daniels, W. K. Foster and J. L. Tremaine on the 19th day of August, 1907, and recorded in Book 9 Mining Locations, at pages 54-55, in the office of the County Recorder of the aforesaid county of Santa Cruz, to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 20th day of June, 1912.

B. F. DANIELS  
J. L. TREMAINE.

Filed and recorded at request of Nave & Campbell, July 12, A. D., 1912, at 11:30 A. M. Book 15, Mining Locations, pages 95.

PHIL HEROLD,  
County Recorder.

STATE OF ARIZONA                    )  
  )    SS.  
COUNTY OF SANTA CRUZ

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of the Amended Notice of Mining Location of the Eureka Mining Claim, recorded in this office on July 12, 1912 in Book 15 of Mining Locations at pages 95, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.

*Arcus Reddoch*  
County Recorder of Santa Cruz County  
Arizona.



## AMENDED

## NOTICE OF MINING LOCATION

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Quantrell 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 B. F. Daniels and J. L. Tremaine, citizens of the U. S. the undersigned, on the 20th day of June, 1912.

The length of this claim is 1500 feet, and we claim 297 feet in a North Easterly direction and 1203 feet in a South Westerly direction from the center of face of the discovery cut, 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 South West to the North East.

The claim is situated and located in the Tyndal, Mining District, in Santa Cruz County, in the Territory of Arizona, about 5800 feet in a South Easterly direction from Elephant Head Peak.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a North Easterly direction 297 feet from the discovery shaft (at which this notice is posted) being in the center of the East end line of said claim; thence N 23° 45' W, 307.68 feet to a monument of stone being the North East corner of said claim; thence S 53° 25' W, 1500 feet to a monument of stone being at the North West corner of said claim; thence S 23° 45' E, 307.68 feet to a monument of stone at the center of the West end of said claim thence S. 23° 45' E, 307.68 feet to a monument of stone being at the South West corner of said claim; thence N 53° 25' E, 1500 feet to a munt. of stone at the South East corner of said claim; thence N. 23° 45' W. 307.68 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.

This is an amended Location Notice of the Quantrell Mining Claim, located by B. F. Daniels, W. K. Foster & J. L. Tremaine on the 4th day of August, 1907, and recorded in Book 9 of Mining Locations at page 52-53-54, in the office of the County Recorder of the aforesaid county of Santa Cruz to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 20th day of June, 1912.

This claim joins the Elephant Head Claim on the North West Side, the Tip Top Claim on the South East side, the Quantero Claim on the North East End and the Grand Prize Claim on the South West end.

B. F. Daniels  
J. L. Tremaine.

Files and recorded at request of Nave & Campbell July 12, A. D. 1912 at 11:30 A. M. Book 15 Mining Locations pages 93.

Phil Herold  
County Recorder.

STATE OF ARIZONA )  
COUNTY OF SANTA CRUZ ) ss.

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Amended Notice of Mining Location of the Quantrell Mining Claim, recorded in this office on July 12, 1912 in Book 15 of Mining Locations at page 93, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.

*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.



AMENDED  
NOTICE OF MINING LOCATION.

JUL 3-1915

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Elephant Head 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 New State Mining and Reduction Company, a corporation organized under the laws of Arizona, the undersigned, on the eleventh day of June, 1912,

The length of this claim is 1500 feet, and I claim 415 feet in a North Easterly direction and 1085 feet in a South Easterly direction from the mouth of the discovery <sup>mine</sup> ~~cut~~ 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 South West to the North East.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz County, in Arizona, about 5200 feet in a South Easterly direction from Elephant Head Peak.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a North easterly direction 415 feet from the discovery shaft (at which this notice is posted) being in the center of the end line of said claim; thence N 75° 41' W 386.57 feet to a ~~monu~~ monument of stone being the North west corner of said claim; thence S 53° 25' W 1500 feet to a monument of stone being at the South West corner of said claim; thence S 75° 41' E 386.57 feet to a monument of stone at the center of the Southerly end of said claim thence S 75° 41' E 386.57 feet to a monument of stone being at the South East corner of said claim; thence N 53° 75' E 1500 feet to a ~~mont~~ monument of stone at the North East corner of said claim; thence N 75° 41' W 386.57 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.

This is an amended location Notice of the Elephant Head Mining Claim, located by Thos. M. Park on the 14 day of Feby, 1912, and recorded in Book of records of Mines, at page in the office of the County Recorder of the aforesaid County of Santa Cruz, mch. 4/ 12, to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 11th day of June, 1912. This claim joins the Homestake Lode Claim on the North East the Quantrell Lode Claim on the Thos. M. Park. South East and over ~~laps~~ <sup>laps</sup> the Lockout Lode claim on the South West.

Filed and recorded at request of Nave and Campbell, July 12, A. D. 1912, at 11:30 A. M. Book 15 Mining Locations, pages 103.

Phil Herold.  
County Recorder.



STATE OF ARIZONA            )  
COUNTY OF SANTA CRUZ    )    ss.

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of the Amended Mining Location of the Elephant Head Mining Claim, recorded in this office on July 12, A. D. 1912 in Book 15 of Mining Locations, page 103, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.



*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.

AMENDED NOTICE OF  
MINING LOCATION

JUL 9- 1912

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the STONEWALL 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 B. F. Daniels and J. L. Tremaine, citizens of the United States, the undersigned, on the 20th day of June, 1912.

The length of this claim is 1500 feet, and we claim 1048 feet in an easterly direction and 4528 feet in a westerly direction from the center of the discovery ~~cut~~, 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 west to the east.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz County, in the Territory of Arizona, about 5000 feet in a southeasterly direction from Elephant Head Peak and joins the "Julia" Lode claim on the west end, the "Fraction" B" Lode claim on the north side, the "Eureka" Lode claim on the east end, and the Homestake Lode claim on the south side.

The surface boundaries of the claim are marked upon the grounds as follows: Beginning at a monument of stones at a point in an easterly direction 1048 feet from the discovery cut (at which this notice is posted) being in the center of the east end line of said claim; thence N. 8° 50' E, 301.38 feet to a monument of stones, being the northeast corner of said claim; thence N. 75° 41' W. 1500 feet to a monument of stones, being at the northwest corner of said claim; thence S. 8° 50' W. 301.38 feet to a monument of stones at the center of the west end of said claim, thence S. 8° 50' W. 301.38 feet to a monument of stones being at the southwest corner of said claim; thence S. 75° 41' E 1500 feet to a monument of stones at the southeast corner of said claim; thence N. 8° 50' E. 301.38 feet to the place of beginning.

All done under the provisions of Chapter VI of Title XXXI 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.

This is an amended Location Notice of the Stonewall Mining Claim, located by B. F. Daniels, W. K. Foster and J. L. Tremaine on the 22nd day of May, 1907, and recorded in Book 8, Mining Locations, at pages 74-75, in the office of the County Recorder of the aforesaid county of ~~Santa Cruz~~, to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 20th day of June, 1912.

B. F. DANIELS  
J. L. TREMAINE.

Filed and recorded at request of Nave & Campbell, July 12, A. D., 1912, at 11:30 A. M. Book 15, Mining Locations, pages 96.

PHIL HEROLD,  
County Recorder.

STATE OF ARIZONA                                 )  
COUNTY OF SANTA CRUZ                        )    ss.

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of the Amended Notice of Mining Location of the Stonewall Mining Claim, recorded in this office on July 12, 1912 in Book 15 of Mining Locations at page 96, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.



*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.

JUL 9-1915

Amended  
NOTICE OF MINING LOCATION  
LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Grand Prize 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 New State Mining & Reduction Co. a Corporation organized under the laws of Arizona the undersigned, on the Eleventh day of June 1912.

The length of this claim is 1500 feet and we claim 323 feet, in a Northeasterly direction and 1177 feet in a Southwesterly direction from the center of the discovery cut, 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 South West to the North East.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz County, in Arizona, about 5900 feet in a South by South Easterly direction from Elephant Head Peak.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a Monument of stone at a point in a North Easterly direction 323 feet from the discovery shaft (at which this Notice is posted ), being in the center of the East end line of said claim; thence N 23' 45'' W. 306.45 feet to a Monument of stones, being the North East corner of said claim; thence S. 54' 28'' W. 1500 feet to a Monument of stone, being at the North West corner of said claim; thence S 23' 45'' E 306.45 feet to a Monument of stone at the center of the West end of said claim; thence S. 23' 45'' e. 306.45 feet to a Monument of stones being at the South West corner of said claim; thence N. 54' 28'' E. 1500 feet to a Monument of stone at the South East corner of said claim; thence N. 23' 45'' W. 306.45 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.

This is an Amended Location Notice of the Grande Prize Mining Claim, located by B. F. Daniels & J. L. Tremaine 191- and recorded in Book 13 of Mining Locations at page 243, in the office of the County Recorder of the aforesaid County of Santa Cruz, to which reference is hereby made and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this Eleventh day of June 1919.

New State Ming & Reduction Company,  
a corporation  
Thos. M. Park Gen. Mgr.

Filed and recorded at request of Nave & Campbell July 18, A. D. 1912, at 2 P. M.

Phil Herold

County Recorder.

STATE OF ARIZONA                    )  
  ) ss.  
COUNTY OF SANTA CRUZ

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Amended Notice of Mining Location of the Grande Prize Mining Claim, recorded in this office on July 18, 1912 in Book 15 of Mining Locations at page 120, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this  
2nd day of July, 1915.

*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.



15

46

AMENDED NOTICE OF  
MINING LOCATION

LODE CLAIM

JULY 1915

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the **QUANTERO** 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 B. F. Daniels and J. L. Tremaine, citizens of the United States, the undersigned, on the 20th day of June, 1912.

The length of this claim is 1500 feet, and we claim 1037 feet in an easterly direction and 463 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 west to the east.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz County, in the Territory of Arizona, about 6300 feet in a southeasterly direction from Elephant Head Peak and joins the "Rose" lode claim on the north side, and the "Quantrell" lode claim on the west end.

The surface boundaries of the claim are marked upon the grounds as follows: Beginning at a monument of stones at a point in an easterly direction 1037 feet from the discovery shaft (at which this notice is posted) being in the center of the east end line of said claim; thence N. 23° 45' W., 312.6 feet to a monument of stones, being the northeast corner of said claim; thence S. 82° 35' E. 1500 feet to a monument of stones, being at the northwest corner of said claim; thence S. 23°, 45' E., 312.61 feet to a monument of stones at the center of the west end of said claim, thence S. 23° 45' E. 312.61 ft. to a monument of stones being at the southwest corner of said claim; thence N. 82° 35' E. 1500 feet to a monument of stones at the southeast corner of said claim; thence N. 23° 45' W. 312.61 feet to the place of beginning.

All done under the provisions of Chap. VI, 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.

This is an amended Location Notice of the **Quantaro** Mining Claim, located by B. F. Daniels, W. K. Foster and J. L. Tremaine on the 18th day of May, 1907, and recorded in Book 8, Mining Locations, at pages 66-67 in the office of the County Recorder of the aforesaid county of Santa Cruz, to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 20th day of June, 1912.

B. F. DANIELS  
J. L. TREMAINE.

Filed and recorded at request of Howe & Campbell, July 12, A. D., 1912, at 11:30 A. M. Book 15, Mining Locations, pages 97.

PHIL HEROLD,  
County Recorder.

STATE OF ARIZONA                    )  
 COUNTY OF SANTA CRUZ            )    ss.

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Amended Notice of Mining Location of the Quantero Mining Claim, recorded in this office on July 12, 1912 in Book 15 of Mining Locations at page 97, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.



*Arcus Reddoch*  
 County Recorder of Santa Cruz  
 County, Arizona.

AMENDED NOTICE OF MINING LOCATION

JUL 9- 1915

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the Homestake 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 B. F. Daniels and J. L. Tremaine, citizens of the United States, the undersigned, on the 20th day of June, 1912.

The length of this claim is 1500 feet, and we claim 564 feet in an easterly direction, and 936 feet in a westerly direction from the center of the discovery cut, 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 west to the east.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz county, in the Territory of Arizona, about 5150 feet in a southeasterly direction from Elephant Head Peak, and joins the "Stonewall" lode claim on the north side, and the "Rose" lode claim on the east end.

The surface boundaries of the claim are marked upon the grounds as follows: Beginning at a monument of stone at a point in an easterly direction 564 feet from the discovery cut (at which this notice is posted) being in the center of the east end line of said claim; thence N. 8° 50' E., 301.38 feet to a monument of stones, being the northeast corner of said claim; thence N. 75° 41' W., 1500 feet to a monument of stone being at the north west corner of said claim; thence S. 8° 50' W., 301.38 feet to a monument of stones at the center of the west end of said claim, thence S. 8° 50' W., 301.38 feet to a monument of stones, being at the south west corner of said claim; thence S. 75° 41' E., 1500 feet to a monument of stones at the south east corner of said claim; thence N. 8° 50' E, 301.38 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.

This is an amended Location Notice of the Homestake mining claim, located by B. F. Daniels, W. K. Foster and J. L. Tremaine on the 20th day of March, 1907 and recorded in Book 8, Mining Locations, at pages 56 and 57, in the office of the County Recorder of the aforesaid county of Santa Cruz, to which reference is hereby made, and this Amended Location Notice is made and posted to correct error in the description in the said original Location Notice.

Dated and posted on the ground this 20th day of June, 1912.

B. F. DANIELS

J. L. TREMAINE.

Filed and recorded at request of Nave & Campbell, July 12, A. D., 1912, at 11:30 A. M. Book 15, Mining Locations, page 94.

PHIL HEROLD,  
County Recorder.



STATE OF ARIZONA                    )  
COUNTY OF SANTA CRUZ            )    ss

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Amended Notice of Mining Location of the Homestake Mining Claim, recorded in this office on July 12, 1912 in Book 15 of Mining Locations at page 94, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this 2nd day of July, 1915.



*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.

AMENDED  
NOTICE OF MINING LOCATION  
LODE CLAIM.  
-----

JUL 9 1915

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Look Out 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 New State Mining and Reduction Co. a corporation organized under the laws of Arizona the undersigned, on the eleventh day of June, 1912.

The length of this claim is 1500 feet, and we claim 1414 feet in a North Westerly direction and 1864 feet in a South Westerly direction from the center of the discovery cut at which this notice is posted ~~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 South West to the North East.

The claim is situated and located in the Tyndale Mining District, in Santa Cruz County, in Arizona, about 5300 feet in a South by South Easterly direction from Elephant Head Peak.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a Monument of stone at a point in a North Easterly direction 1414 feet from the discovery shaft (at which this notice is posted) being in the center of the East end line of said claim; thence N. 23° 45' W 306.45 feet to a monument of stones being the North East corner of said claim; thence S. 54° 28' W 1500 feet to a monument of stone being at the North West corner of said claim; thence S 23° 45' E 306.45 feet to a monument of stone at the center of the West end of said claim thence S 23° 45' E 306.45 feet to a monument of stone being at the South West corner of said claim; thence N. 54° 28' E 1500 feet to a monument of stone at the South East corner of said claim; thence N 23° 45' W 306.45 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.

This is an amended Location Notice of the Look Out Mining Claim, located by B. F. Daniels and & J. L. Tremaine 191 and recorded in Book 13 of Mining Locations at page 241, in the office of the County Recorder of the aforesaid county of Santa Cruz to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and Posted on the ground this eleventh day of June, 1912.

This claim joins the Grand Prize Lode Claim Southeast side and the Auga Frio Lode Claim on the Southwest end. New State Mining & Reduction Company, a Corporation  
Thos. M. Park      Gen'l Magr.  
a

STATE OF ARIZONA,      )  
County of Santa Cruz.    ) ss

I hereby certify that the within instrument was filed and recorded at the request of Nave & Campbell July 18 A.D. 1912 at 2 P. M. Book 15 Mining Locations pages 119.

Witness my hand and official seal the day and year aforesaid.

Phil Herold  
County Recorder.

STATE OF ARIZONA   )  
   )  
 COUNTY OF SANTA CRUZ                                       )     ss.

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of Amended Notice of Mining Location of the Look Out Mining Claim, recorded in this office on July 18, 1912 in Book 15 of Mining Locations at page 119, being in the book then duly kept for the purpose of recording Mining Locations.

WITNESS my hand and official seal this  
 2nd day of July, 1915.



*Arcus Reddoch*  
 County Recorder of Santa Cruz  
 County, Arizona.

JUL 17 1915

LOCATION NOTICE

OF

THE ELEPHANT HEAD

MILL-SITE CLAIM AND WATER RIGHT

KNOW ALL MEN BY THESE PRESENTS, That C. D. B. Howell, a citizen of the United States, the undersigned, has this day located a Mill-Site for the purpose of erecting suitable works for reducing the ores of the Elephant Head Mining Claim situated in Tyndall Mining district, Santa Cruz County, State of Arizona. The exterior boundaries of said Elephant Head Mill-Site Claim are as follows, viz:

Commencing at a monument of stone at S. W. corner of claim, and running thence in a N.E.ly direction 312.4 feet to monument of stone at N. W. corner of claim, thence in a S. E. ly direction 697.18 feet to a monument of stone at N. E. corner of claim, thence in an S.W.ly direction 312.4 feet to a monument of stone at S. E. corner of claim, thence in a N. Wly direction 697.18 feet to a monument of stone at S. W. corner of claim and place of beginning.

This location may be more generally described as being situated approximately in Sec. 5, T.20 S. R. 14 E. G. & S. R. B. & M.

That we have also located in connection with the Mill-Site Claim ----- inches miner's measure of the water of this ----- under and in accordance with the laws of the State of Arizona, regulating the location and possession of water rights -----.

The dimensions of the ditch for diverting the water from its natural course at the head, being as follows: ----- wide at top, ----- wide at bottom, ----- in depth, with a uniform grade of ----- to the rod.

Dated on the ground, this 11th day of July, 1915.

C. D. B. Howell  
By H. M. Williams

Witness:

Filed and recorded at request of John H. Campbell, July 14, A. D. 1915 at 1 P. M.

Arcus Reddoch  
County Recorder

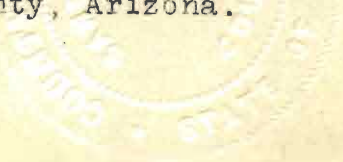
# 739

STATE OF ARIZONA )  
COUNTY OF SANTA CRUZ ) ss

I, Arcus Reddoch, County Recorder of Santa Cruz County, Arizona, do hereby certify that the foregoing is a full, true and correct exemplification of the Location Notice of The Elephant Head Mill-Site Claim and Water Right, recorded in this office on July 14, 1915 in Book 11 of Miscellaneous Records at pages 198 and 199, being in the book duly kept for the purpose of recording Mill-Site Claims and Water Rights.

WITNESS my hand and official seal this 14th day of July, A. D. 1915.

*Arcus Reddoch*  
County Recorder of Santa Cruz  
County, Arizona.



4-688.

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

**Department of the Interior,**

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

December 18, 1915

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

C. D. B. HOWELL

known as the TIP TOP, HORSE SHOE, EUREKA, QUANTRELL, ELEPHANT HEAD,  
STONEWALL, GRAND PRIZE, QUANTERO, HOMESTAKE, LOOK OUT Lodes  
and ELEPHANT HEAD MILL SITE.  
situate in TYNDALL

Mining District, SANTA CRUZ County, ARIZONA.

in Section s 4, 5, 8&amp;9, Township No. 20 S., Range No. 14 E., unsur., and

designated as Survey No. 3212 A&amp;B, 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 improved or for each of  
ments made upon said mining claim by claimant or his grantors, and that said improvements consist of 14 cuts, 5 shafts, 7 tunnels and about 1057.5 ft. of other workings, total value \$45654.00.

An undivided one-third interest, value \$7400, in improvement No. 2 on the Horse Shoe lode is properly credited to each the Horse Shoe, Look Out and Grand Prize lodes of this survey.

An undivided one-fifth interest, value \$3727, in improvement No. 2 on the Quantrell lode is properly credited to each the Quantrell, Tip Ton, Elephant Head, Quantero and Homestake lodes of this survey.

An undivided one-half interest, value \$700, in shaft No. 2 on the Eureka lode is properly credited to each the Eureka and Stonewall lodes of this survey. The topography of the ground covered by the claims of this survey and the nature of the improvements render each of the above improvements a practical common improvement for the benefit and development of those claims and only those claims to which its value is distributed, 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 S. Ingalls,

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,

December 18, 1915

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

C. D. B. HOWELL

known as the TIP TOP, HORSE SHOE, EUREKA, QUANTRELL, ELEPHANT HEAD, STONEWALL, GRAND PRIZE, QUANTERO, HOMESTAKE, LOOK OUT Lodes, and ELEPHANT HEAD MILL SITE.

situate in TYNDALL Mining District,

SANTA CRUZ County, ARIZONA.

in Sections 4, 5, 8 & 9., Township No. 20 S., Range No. 14 E., unsur.

designated as Survey No. 3212 A&B

executed by William C. Goetz, U. S. Deputy Mineral

Surveyor, July 19-30, 1915, under my instructions dated

July 17, 1915, have been critically examined and the necessary cor-

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

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

survey is included in the field notes.

Handwritten signature of Frank S. Ingalls

U. S. Surveyor-General for Arizona.