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APR 18 1909  
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4-683.

MINERAL SURVEY No. 2556

LOT No.       

Arizona Land District.

**FIELD NOTES**

OF THE SURVEY OF THE MINING CLAIM OF

Duquesne Mining & Reduction Co.

KNOWN AS THE

Iron Cow & Elgin lodes

Patagonia Mining District,

Santa Cruz County, Arizona

Garcia Forest Reserve

approx. Section 2, Township 24 S., Range 16 E. (unsurveyed)

Surveyed under instructions dated July 22, 1908

by Philip Conzen  
U. S. Mineral Surveyor.

Claim located (see location notices), 1908

Survey commenced Feb. 10<sup>th</sup>, 1909

Survey completed Feb. 11, 1909

6-822

Address

Frank H. Hereford  
Attorney - for claimants  
Tucson - Ariz

## Survey No 2556

## Elgin Lode

Beginning at Cor. No 1, and identical with the location, which is a mound of stone 3 ft. base, 2 1/2 ft. high, set a limestone 24 x 8 x 8 ins., 12 ins. in the ground, I chisel same E-1-2556, whence

Cor. of secs. 1-6-7 and 12, Tps. 24 S.

R's Road 17 E, bears S70°19'13"E 9903.3 ft dist.

Ranch house of the San Rafael Ranch, bears S70°15'E

North end Cananea Range, bears S40°45'E

Thence N67°33'W

To 12°30'E

110 Road, bears North Westerly and South Easterly

150 To Cor. No 2, identical with the South end center monument and with Cor. No 4 Surrigger Lode Sur. No 2216 and Cor. No 3 - New-York Lode Sur. No 2216 and Cor. No 1, Pride of the West No 2 Lode, which is a limestone 12 x 12 x 6 ins. above ground, I chisel stone E-2-2556, whence an oak 4 ins. diam., bears N70°30'W 24.6 ft. dist.

An oak 4 ins. diam., bears S66°30'W 34.5 ft

Both blazed and scribed 2-2556 B.T. Location Cor. which is a mound of stone 3 ft base, 2 ft high - bears N67°33'W 150 ft.

Thence N26°3'W

To 12°30'E

15 Road, bears North Westerly and South Easterly

126.93 To Cor. No 3, identical with Cor. No 2. Pride of the West No 2 Lode, Sur. No 2514 and Cor. No 2 of the Golden Gate Lode Sur. No 2033, which is a pine post 4 ins. sq., 2 1/2 ft. above ground, and surrounded by a mound of stone.

I scribe said post E-3-2556,  
whence

An oak 10 ins. diam., bears  $N55^{\circ}E$ , 127 ft  
dist.

An oak 10 ins. diam., bears  $S77^{\circ}30'W$  72.7 ft

Both blazed and scribed 3-2556 B.T.

Thence  $N11^{\circ}30'E$

$\frac{1}{2}$  a  $12^{\circ}30'E$

106 Road, bears E. and W.

122.67 To Cor. No 3. of the Pricle of the West  
No 2 lode.

300 a ridge, bears N.W. and S.E.

330 cut 30 ft in length

350 Tank 30 ft diam. on line

1236.81 To Cor. No 4, identical with Cor.  
No 2, wedge lode, sur. No 2514, which  
is a limestone set even with the  
ground and in middle of Tramway  
track, which bears N.E. and S.W.

I chisel said stone E-4-2556, whence

Huachuca Peak, bears  $N88^{\circ}15'E$

Morita Peak, bears  $S78^{\circ}15'E$   
Excavation Cor. which is a mound of stone, 3 ft base  
2 1/2 ft high, bears  $N157^{\circ}33'W$  - 119 ft

Thence  $S67^{\circ}33'E$

$\frac{1}{2}$  a  $12^{\circ}30'E$

30.93 To Cor. No 5, identical with the  
North end center of the location, which  
is a mound of stone 3 ft. base,  
2 1/2 ft high, set a limestone 24x10x6  
ins, 12 ins. in the ground. I chisel  
stone E-5-2556, whence

Ranch house at San Rafael ranch,  
bears  $N52^{\circ}E$  - No other bearing available.  
Excavation Cor. which is a mound of stone 3 ft. base 2 1/2 ft  
high, bears  $S67^{\circ}33'E$  - 200 ft. dist.

Thence  $S20^{\circ}44'W$

$\frac{1}{2}$  a  $12^{\circ}30'E$

755 Road, bears N.E. and S.W

1274.9 To Cor. No 1, the place of beginning

### Iron Cow Lode

Beginning at Cor. #01, identical with Cor. #01 of the Divide lode Sur. #02217, Cor. #02 Texas lode Sur. #01402 and Cor. #03 Smuggler lode, Sur. #02216, which is a limestone  $6 \times 6 \times 1\frac{1}{2}$  ft. above ground chiseled with a cross (X) for exact cor. point. I chisel on some I.C. - 1-2556, whence

A cross (X) and B.R. 1-2556 chiseled on a limestone boulder  $4 \times 4 \times 3$  ft above ground, bears  $N62^{\circ}W - 10.7$  ft dist.

A cross (X) and B.R. 1-2556, chiseled on a limestone boulder  $3 \times 3 \times 2$  ins. above ground, bears  $S12^{\circ}E - 5.1$  ft dist.

Location Cor. which is a mound of stone 3 ft. base,  $2\frac{1}{2}$  ft high, bears  $S67^{\circ}33'E - 150$  ft. dist.

Cor. of sec. 1-6-7 and 12 - Tps. 24 S. Rs 16 and 17 E, bears  $S70^{\circ}27'34"E - 94.29.8$  ft. dist.

Thence  $N2^{\circ}54'W$

Var.  $12^{\circ}30'E$

500

To Cor. #02 identical with Cor. #07 - Divide lode, Sur. #02217, which is a limestone  $12 \times 8 \times 8$  ins., above ground, with mound of stone along side I chisel on stone I.C. - 2-2556, whence

An Oak 20 ins. diam. bears  $S67^{\circ}W - 29$  ft  
 A Juniper 5 ins. diam. bears  $S12^{\circ}W - 60.5$  ft  
 Both scribed and beveled 2-2556

Thence  $N 84^{\circ} 39' E$

Var.  $12^{\circ} 30' E$

144.4  $\Delta$  Cor. 403 identical with  
Cor. 406 of the Divide lode, sur.  
402217, which is a limestone  
 $12 \times 8 \times 8$  ins. above the ground  
with mound of stone alongside  
& chisel on stone. I.C. - 3 - 2556,  
whence

An oak 8 ins. diam., bears  $N 64^{\circ} E$  80.7 ft. dist.  
A cedar 5 ins. diam., bears  $S 29^{\circ} 45' W$  95 ft. dist.  
Both blazed and scribed 3-2556 B.T.

Thence  $N 21^{\circ} 50' W$

Var.  $12^{\circ} 30' E$

along line 1-4 of the Doer lode

340 Road, bears  $N. E.$  and  $S. W$  (sur. 401400)

465 Gulch, course  $N. E.$

565 Road, bears  $N. E.$  and  $S. W$

620 Gulch, course  $N. E.$

823.9  $\Delta$  Cor. 404 identical with the  
North end center of the location  
and with Cor. 401, of the Wedge  
lode, sur. 402514, which is a  
limestone  $12 \times 10 \times 8$  ins. above  
ground, with mound of stone  
along side, & chisel on stone  
I.C. - 4 - 2556, whence

Location Cor. which is a mound  
of stone 3 ft. base  $2\frac{1}{2}$  ft high, bears  
 $S 67^{\circ} 33' E$ , 350 ft. dist.

An oak 10 ins. diam., bears  $N 12^{\circ} E$  27.5 ft. dist.

An oak 12" ins diam., bears  $N 43^{\circ} 30' W$  59 ft. dist.

Both blazed and scribed 4-2556 B.T.

Cor. 404 Doer lode sur. 401400, bears  $N 21^{\circ} 50' W$  500 ft.

Thence  $67^{\circ}33'W$

- 200 To Cor.  $12^{\circ}30'E$   
 No. 405, identical with the  
 location and with Cor. 405  
 Elgin lode, of this survey, <sup>corner heretofore described</sup>  
 chisel on stone 1.C-5-2556

Thence  $120^{\circ}44'W$

- 1274.9 To Cor.  $12^{\circ}30'E$   
 No. 406, identical with  
 the location and with Cor. 401  
 Elgin lode of this survey, <sup>corner heretofore described</sup>  
 on stone 1.C-6-2556

Thence  $67^{\circ}33'E$

- 300 Par.  $12^{\circ}30'E$   
 South end center monument  
 identical with the location which  
 is a mound of stone 3ft. base, 2ft  
 high.

- 474 To Cor. No. 1, the place of beginning

Area	
Elgin lode	3.502 Acres
Iron Cow lode	11.441 "
Total Area	<hr/> 14.943 Acres

### Location

This claim is located approximately  
 in sec. 2 - T. 24 S. R. 16 E unswerved  
 Patagonia Mining District, Santa Cruz Co.  
 Arizona and within the Gacces Forest  
 Reserve.

### Adjoining Claims

The Elgin lode is bounded on the North by the Wedge lode Sur. No 2514, on the West by the Golden Gate lode Sur. No 2033 and the Pacle of the West No 2 lode Sur. No 2503 and on the South by the Smuggler lode, Sur. No 2216. The Iron Cow lode is bounded on the North by the Wedge lode Sur. No 2514 and on the East by the Deer lode, Sur. No 1400 and the Divide lode Sur. No 2217 and on the South by the Smuggler lode, Sur. No 2216

### Presumed course of Veins

The presumed course of vein of the Elgin lode is from the South end center to the North end center N 90 19' E 12 32.5 ft

The presumed course of vein of the Iron Cow lode is from the South end center to the North end center N 10 23' W 13 12 ft

### Expenditure of Five Hundred Dollars

I certify that the value of the labor and improvements expended for the development of the Elgin and Iron Cow lodes placed thereon by claimant and its grantors is not less than \$500.00 for each lode, and that said improvements consist of: -



### Elgin lode

From South end center.

Discovery shaft No 1, 4 x 6 ft, 10 ft. deep, bears N 90° 19' E 30 ft.

Note:

A  $\frac{1}{2}$  interest in tunnel No. 4 on the Iron Cow lode is credited to this lode, Value \$500.00

### Iron Cow lode

From Cor. No 4

Discovery cut No 1, 4 x 6 ft, 30 ft long bears S 102° 3' E, 160 ft. dist.

Value \$100.00

Shaft No 2, 4 x 6 ft, 10 ft. deep, bears S 42° W, 180 ft. dist.

Value \$50.00

Tunnel No 3, 4 x 6 ft, 50 ft. course N 67° W, bears S 2° W, 260 ft. dist.

Value \$500.00

Tunnel No 4, 4 x 6 ft, 100 ft. long, course S 63° W, bears S 13° E, 400 ft. dist.

Value \$1,000.00. Value of  $\frac{1}{2}$  interest credited to this lode, \$500.00

Note:

This tunnel is being run for the benefit of the Elgin and Iron Cow lodes and a  $\frac{1}{2}$  interest in this tunnel, valued at \$500.00 has been credited to each lode.

The Elgin lode is located on the East side of a high spur, extending Northward and said tunnel begins at a low point on the Iron Cow lode and is being driven in a South Westerly direction towards the Elgin lode, so to cut its vein and ore bodies on both lodes at a fair depth, thereby making the development of both lodes more economical than by sinking a shaft from the surface.

### Instrument

This survey was made with a Young and Sons Light Mountain

transit with a Smiths Solar Attachment. The courses were deflected from the true meridian as determined with the Solar Attachment and checked on the lines of surveys No 2033 and 2514, which practically agree.

The distances were measured with a one hundred foot steel tape.

Note: Difference in the distance of the North end line of the Smuggler lode Sur. No 2216 is due to error in former survey.

Philip Conzen  
U. S. Deputy Mineral Surveyor

Feb. 10-11-1909

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Philip Cortzen  
 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  
Duquesne Mining and Reduction Co.  
 known as the Iron Cow and Elgin Lodes  
 and showing the respective capacities in which they acted.

- Harry Mallory, Chairman.
- Walter Percival, Chairman.
- Walter Percival, Assman.
- Harry Mallory, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, Harry Mallory  
 and Walter Percival, do solemnly swear that we assisted Philip Cortzen  
Cortzen, United States Deputy Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Duquesne Mining and Reduction  
Company  
 known as the Iron Cow and Elgin Lodes  
 represented in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under his  
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and  
 correctly executed, and the corner and boundary monuments established according to law and the instructions  
 furnished by the United States Surveyor-General for Arizona

- Harry Mallory, Chairman.
- Walter Percival, Chairman.
- Walter Percival, Assman.
- Harry Mallory, Flagman.

Subscribed and sworn to by the above-named persons before me this 15<sup>th</sup>

day of February, 1909

H. G. Powers  
 Notary Public, Pima County, Arizona Territory.  
 My Commission Expires May 16th, 1912.

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Philip Coutzen, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 22 1908, 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 Luzquesne Mining and Reduction Co. known as the Iron Cow and Elgin lodes, situate in Patagonia Mining District, Santa Cruz County, Arizona, in Section affix, Township No. 24 N., Range No. 16 E unsurveyed and designated as Survey No. 2556, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Philip Coutzen  
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Philip Coutzen  
U. S. Deputy Mineral Surveyor, before me William G. Power  
a notary this 15<sup>th</sup>  
day of February 1909

W. G. Power  
Notary Public, Pima County, Arizona Territory.  
My Commission Expires May 16th, 1912.

Affidavit of Five Hundred Dollars Improvements.

We, Harry Mallory, and Walter Percival

of lawful age, being first duly sworn according to law, depose and say: That we

are acquainted with the Iron Cow and Elgin mining claim,

situate in Patagonia Mining district, Santa Cruz County,

Arizona Territory, for which Augustine Mining and Reduction

Co.

has made application for survey prior to application for patent under the provisions

of the Act of Congress, approved May 10, 1872; and that the labor done and improve-

ments made thereon by the applicant and its grantors exceed Five Hundred

Dollars in value, and further that we are not personally interested in said mine.

Harry Mallory  
Walter Percival

TERRITORY OF ARIZONA,

County of Pima } ss:

Sworn to and subscribed before me, this 15<sup>th</sup>

day of February, 1909

H. G. Power

Notary Public, Pima County, Arizona Territory.  
My Commission Expires May 16th, 1912.



"Iron Cow" Mining Claim.

Notice of Mining Location. Quartz Claim.

To all whom it may concern: This Mining Claim, the name of which is the Iron Cow Mining Claim, situats 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 expleration and purchase by John McMahon the undersigned, on the 10th day of December, 1896. The length of this claim is Fifteen hundred feet and the claim is Three hundred feet wide in an Easterly direction, and 300 feet wide in a westerly direction from the center of the discovery shaft, at which this notice is posted lengthwise of the claim. Together with Three hundred feet in width of the surface ground, on each side of the center of said claim. The general course of the lode deposit and premises is from the discovery shaft 60 feet to the North center end monument. The claim is situated and located in Patagonia Mining District, in Pima County, in the Territory of Arizona, about 200 yards in a southerly direction from the Washington Camp post-office. The surface boundaries of the claim are marked upon the ground as follows: Beginning at the north center monuamt at a point in a northerly direction, sixty feet from the discovery shaft (at which this notice is posted), being at the center of the north end line of said claim; thence 300 feet to a monument of stone being the N.W. corner of said claim; thence southerly 750 feet to a monument of stone at the center of the west side line of said claim; thence southerly 750 feet to a monument of stones, being at the S.W. Corner of said claim; thence easterly 300 feet to a monuamt at the center of the south end of said claim; thence easterly 300 feet to a monument of

stone; being at the south-east corner of said claim; thence northerly 750 feet to a monument of stone, being at the center of the easterly side line of said claim; thence southerly 750 feet to a monument of stone at the N. East corner of said claim; thence westerly 300 feet to the place of beginning. All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of Act of the General Assembly of Arizona, entitled "An Act concerning Mines", Approved March 20th, 1895. Dated and posted on the ground the 10th day of December, 1896.

John McMahon.

Filed and Recorded at request of John McMahon Jany. 2nd, 1897  
at 9 A.M.

Chas. A. Shibell,  
County Recorder.

Territory of Arizona :  
  : ss:  
County of Pima.       :

I, Charles A. Shibell, County Recorder in and for the County and Territory aforesaid, do hereby certify that the foregoing is a full, true and correct copy of the location notice of the IRON COW MINING CLAIM, situate in the Patagonia Mining District, Santa Cruz County (Formerly Pima), Arizona, as the same appears of record in my office in Book F.F., Records of Mines, Page 374.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 20th day of June, 1908.

Chas. A. Shibell  
County Recorder, Pima County,  
Territory of Arizona.

by L. M. Shibell, deputy.

## NOTICE OF MINING LOCATION.

## Lode Claim

TO ALL WHOM IT MAY CONCERN:-

This mining claim, the name of which is the **ELGIN** 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 Duquesne Mining and Reduction Co. by C. A. Bankerd, Agent, the undersigned, on the 1st day of February, 1908.

The length of this claim is 1500 feet and we claim 30 feet in a southerly direction and 1470 feet in a northerly direction from the center of the discovery shaft at which this notice is posted, lengthwise of the claim, together with 150 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 northerly and southerly.

The claim is situated and located in the Patagonia Mining District, in Santa Cruz County, in the Territory of Arizona, about  $3/4$  mile in a north westerly direction from the Duquesne Post Office. This claim is bounded on the south by the Smugler and New York lodes; on the East by the Iron Cow lode; on the North by the Wedge; on the west by the Golden Gate and Pride of the West No. 2 lodes.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stone at a point in a southerly direction 30 feet from the discovery shaft (at which this notice is posted) being in the center of the southerly end line of said claim; thence easterly 150 feet to a monument of stone, being the S. E. corner of said claim; thence northerly 1500 feet to a monument of stone, being at the N. E. corner of said claim; thence



westerly 180 feet to a monument of stone at the center of the northerly end of said claim; thence westerly 150 feet to a monument of stone being at the N. W. corner of said claim; thence southerly 1500 feet to a monument of stone at the S. W. corner of said claim; thence easterly 1500 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 1st day of February, 1908.

Witnesses;	Duquesne Mining and Reduction Co.
Walter Percival.	By C. A. Bankerd, Agent.
Harry Mallory.	

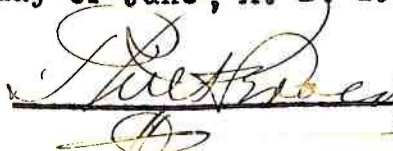
Filed and recorded at request of Duquesne M. & R. Co.  
Feb. 8, 1908 at 9:15 A. M.

Phil Herold County Recorder.

Territory of Arizona,) :  
County of Santa Cruz.) s s

I, Phil Herold County Recorder in and for the County and Territory aforesaid, do hereby certify that the foregoing is a full, true and correct copy of location notice of the ELGIN mining claim, located by the Duquesne Mining and Reduction Co., as the same appears of record in my office in Book 9 of Mining Locations at pages 22, 223 and 224.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 8th day of June, A. D. 1908.

  
County Recorder.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 22, 1909.

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

Duquesne Mining and Reduction Co. known as the Iron Cow and Elgin lodes situate in Patagonia

Mining District, Santa Cruz County, Arizona

in Section Approx. 2, Township No. 24 S., Range No. 16 E., Unsur. and

designated as Survey No. 2556, 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.

not less than And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or its grantors, and that said improvements consist of 2 shafts, 2 tunnels and 1 cut, total value \$1700.00 Tunnel No. 4 on the Iron Cow lode, value \$1000, being a common improvement for the benefit and development of both the Iron Cow and Elgin lodes, an undivided one-half interest therein, value \$500, is properly credited to each of the claims in this survey.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona is correct and in conformity with the foregoing Field Notes.

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,

June 22, 1909

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

Duquesne Mining and Reduction Co.

, known as the

Iron Cow and Elgin lodes

situate in Patagonia Mining District,

Santa Cruz County, Arizona

in Section Approx. 2, Township No. 24 S., Range No. 16 E., Unsur.

, designated as Survey No. 2556

executed by Philip Contzen, U. S. Deputy Mineral

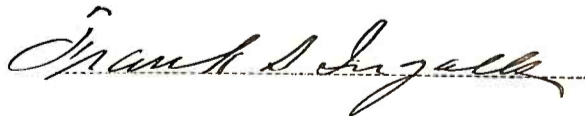
Surveyor, February 10 - 11, 1909, under my instructions dated

July 22, 1908, have been critically examined and the necessary

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

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

survey is included in the field notes.



U. S. Surveyor-General for Arizona.