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Arizona Department of Mines and Mineral Resources Mining Collection

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02/28/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: COTTONWOOD MINE

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 73

LOCATION: TOWNSHIP 15 S RANGE 28 E SECTION 6 QUARTER SE
LATITUDE: N 32DEG 09MIN 18SEC LONGITUDE: W 109DEG 31MIN 18SEC
TOPO MAP NAME: DOS CABEZAS - 15 MIN

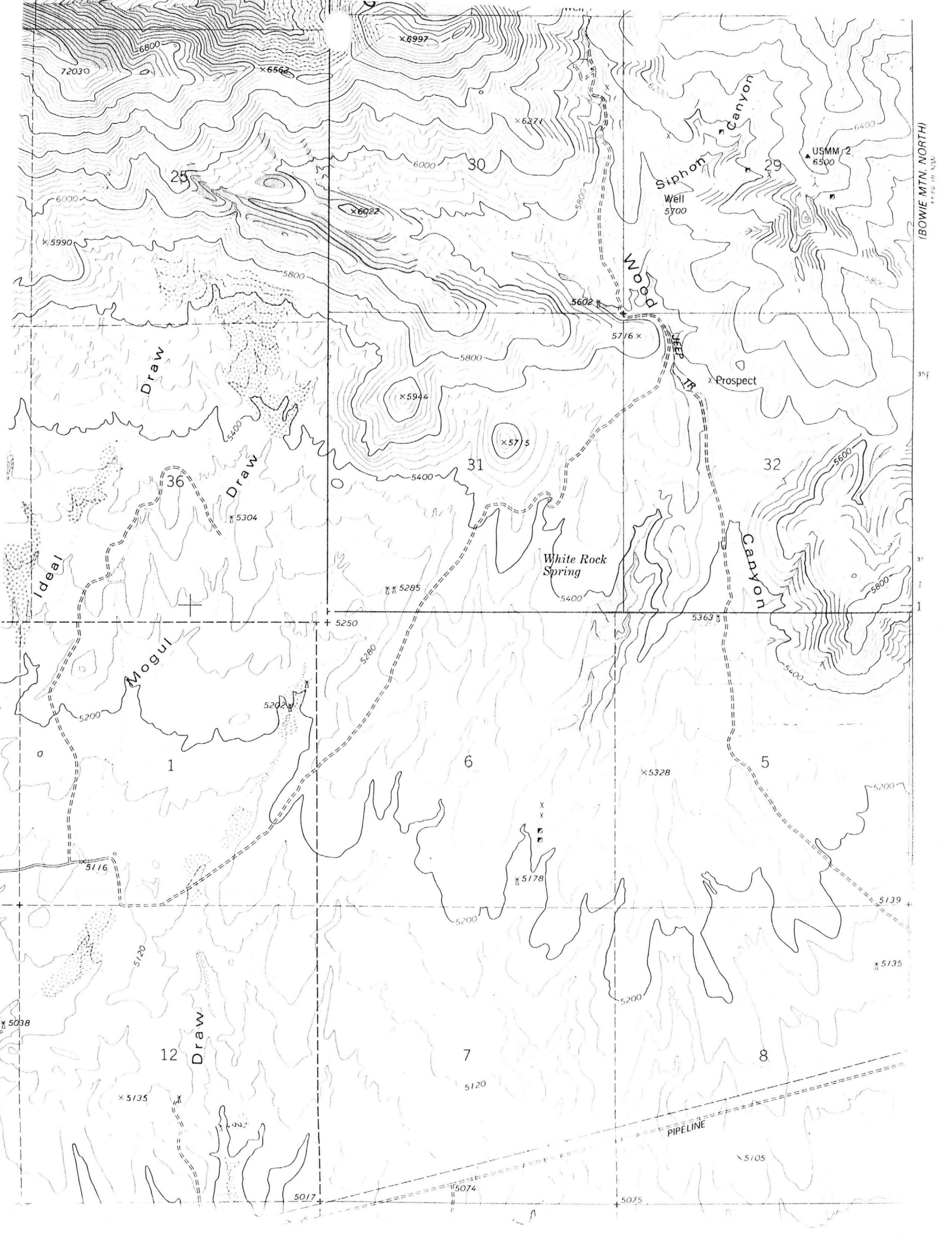
CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD LODE
SILVER
LEAD SULFIDE

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 60
ADMMR COTTONWOOD MINE FILE
USBM U FILE



(BOWIE MTN. NORTH)
1:15 IN. NAD

Other mining companies in Tombstone district of note--all of which have steam hoists and own stamp mills--are the Sterling Silver Mine and Milling Company, Old Guard Company, and Watervale Mill and Mining Company. Many of the mines of the district not operated by the companies owning them are leased to chloriders, and royalty is paid by the latter on all ore extracted, and thus a number of miners are employed; the cyanide system of working low-grade ore is much in use, and has proven a success.

At Turquoise mining district several turquoise mines are in operation and producing handsome gems. Two companies of means are operating here, and their mines are proving dividend payers. Several silver mines are located in this district, the Turquoise Mining Company having a mill located near Soldier Hole.

In the Huachuca Mountains the Copper Glance Mining Company is continually working, being equipped with necessary machinery and making regular shipments of concentrates monthly. This is a good property, and is improving steadily, bringing handsome returns for its owners.

The Dos Cabezas gold district possesses many good properties, and is becoming an important factor in Cochise mining. The Cotton Wood Mining Company and Casey mining properties are two important mines in the district. Both companies own mills.

The Pierce mining district, a new gold discovery which recently sprung into prominence, is one that will command the attention of all on account of the immense showing of rich ore that has been brought to view, and from indications this camp will rival some of the best producers in the West. A village called Pittsburg has sprung into existence here, and with extensive work by some company on these properties the village will eventually bloom into a thriving city.

The pride of the county is the Globe mining district. Here are vast copper mines which have produced steadily for years, and their richness and quantity may be better understood when it is known that coke had to be hauled a distance of 150 miles from the railroad. The best producer has been the Globe mine, which has been worked steadily for the past ten years and produced 65,000,000 pounds of ingot copper direct from the furnace, 98.5 fine, valued at \$6,500,000. This output has been used mostly for casting purposes, and the principal part shipped to European markets. The present company expects to largely increase its output, and before long Gila County will taken precedence in the exporting of copper from the Territory. The Bisbee Company also has extensive mining interests, and expects to commence operations as soon as the railroad reaches here. The northern portion of the county, near Payson, is a rich gold-producing section. Already three stamp mills have been erected, and the only thing that retards that section is its isolation.

1896 Globe Mining District

At present mining activity is confined chiefly to copper.

The first location on what is now considered the main copper-bearing belt was made in 1875 by the locators of the Silver King mine, and it was named "The Globe.". The location is now held and worked by the Old Dominion Copper Company, which also has two other locations on the same vein--the "Southwest Globe" and the "Globe Ledge."

OLD DOMINION 1899
time cost \$48 per ton.

This mine at Globe was run with one furnace in 1888. Coke at that

ALEXANDER ERICSON,
PRESIDENT

A. L. RICHARDSON,
VICE-PRES.

FRANK SYKES,
SEC.-TREAS.

Cottonwood Mining & Milling Company

MINES AT DOS CABEZAS, ARIZONA

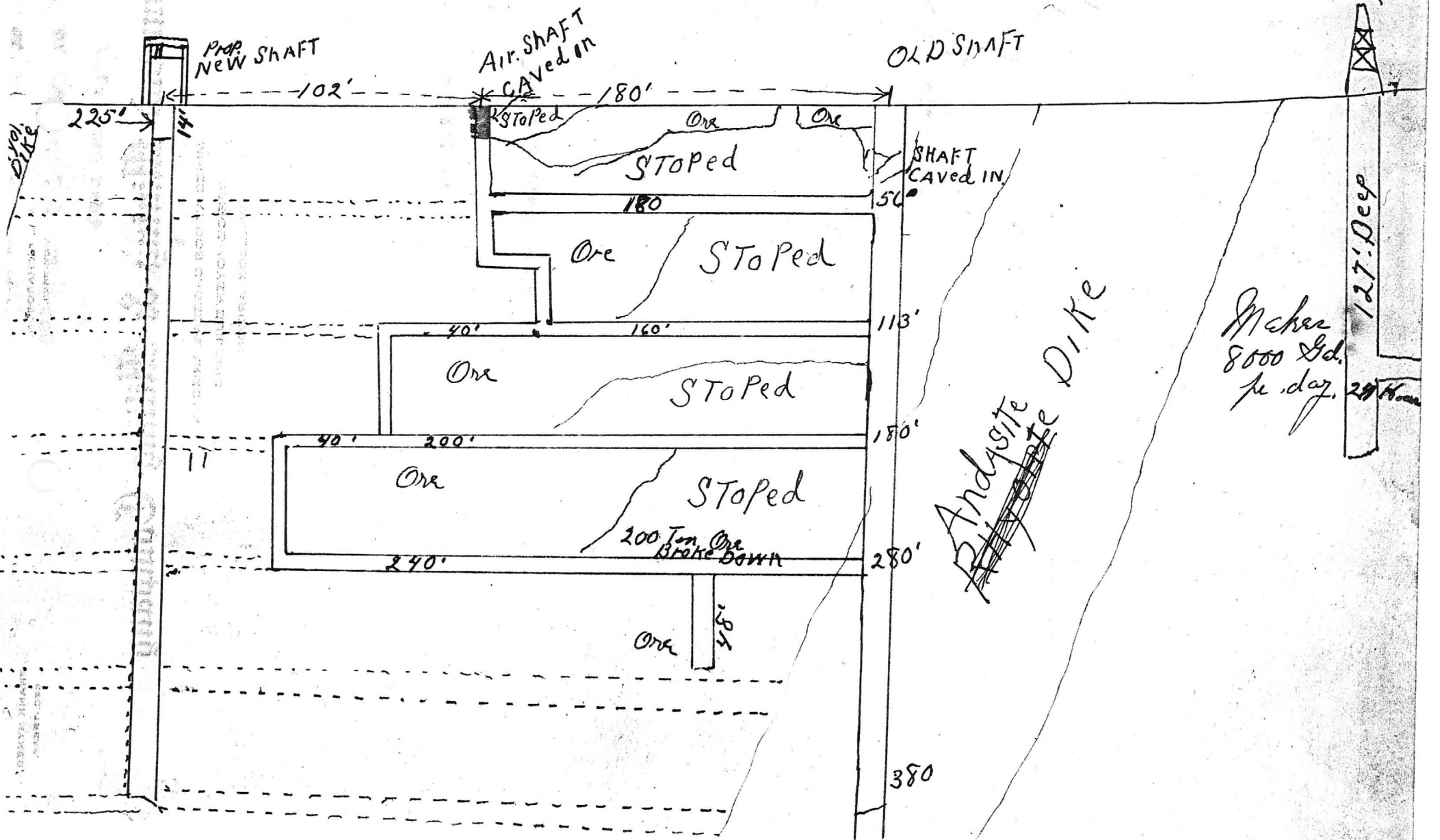
OFFICE MOYER BUILDING

WILLCOX, ARIZONA

COTTONWOOD Mine & Milling Co.

DOS CABEZAS

ARIZ.



E X H I B I T S C - D

Received by the Company for the
subscription of five shares of
stock by the Incorporators of
the Company.....\$5.00

Amount in Treasury..... 5.00

Original

Stock

Certificate

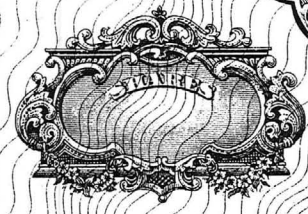
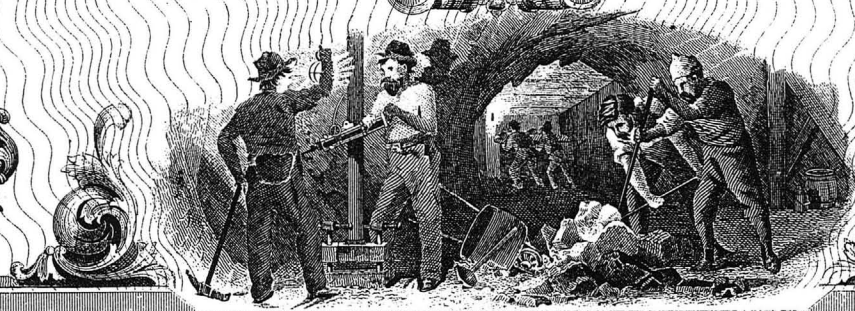
in

Stock files

02-02-01 J.M.

Exhibit "E"

Incorporated under the laws of Arizona

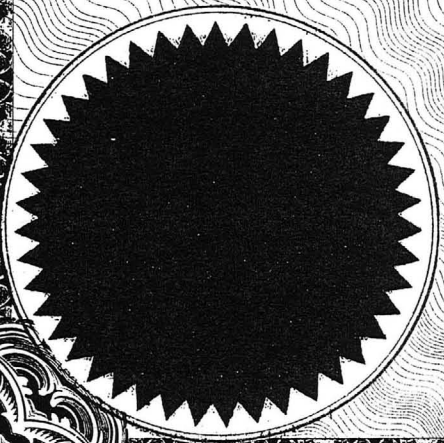


Cottonwood Mining and Milling Company

Capital Stock 500,000.00
Fully Paid and Non-assessable

THIS CERTIFIES THAT
owner of

is the
Shares of the Capital Stock of
Cottonwood Mining and Milling Company
transferable only on the Books of the Corporation in person
or by Attorney on surrender of this Certificate.



In Witness Whereof, the duly authorized officers of this Corporation have hereunto
subscribed their names and caused the corporate seal to be hereunto affixed
this _____ *day of* _____ *A.D. 19* _____

Secretary

President



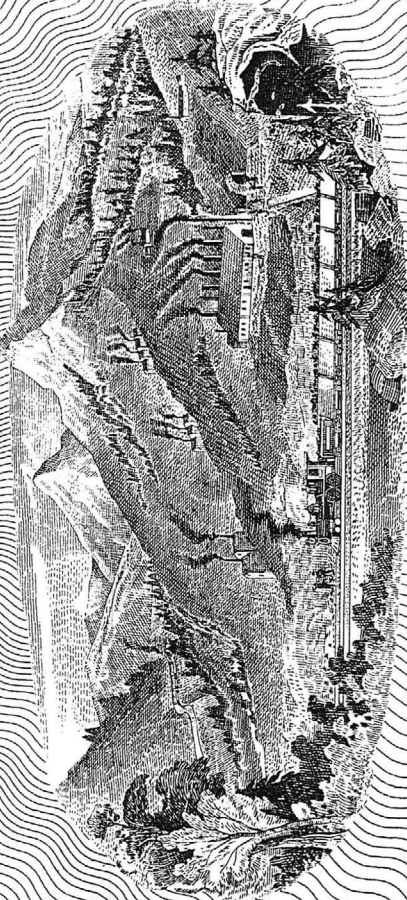
CERTIFICATE

FOR
SHARES

OF THE
CAPITAL STOCK

ISSUED TO

DATED



For value received _____ hereby sell, transfer and assign

to

_____ Shares of Stock within mentioned and hereby authorize

to make the necessary transfer on the Books of the Corporation.

Witness _____ hand and seal this _____ day of

Witnessed by

19 _____

BEFORE THE ARIZONA CORPORATION COMMISSION

In the matter of the application of

COTTONWOOD MINING AND MILLING COMPANY

Name

48 Pennington Street, Tuscon, Arizona.

Address

for authority to sell its securities in Arizona under the provisions of Chapt. 69, Laws of the
1st State Legislature of Arizona, approved May 18, 1912.

No. 726

The Cottonwood Mining and Milling Company
of Arizona in Arizona represents to the Arizona Corporation Commission:

1st. That its principal business office is located at 48 Pennington Street, Tuscon, and that it has branch
offices at 602 H. W. Hellman Building, Los Angeles, California.

2d. That it was incorporated on the 16th day of February, 1917, under the laws of the state
of Arizona, with an authorized capital of \$500,000.00 divided into 500,000
shares of common and _____ shares of preferred; with a par value of \$ 1 each; and that
it has an authorized bond issue of \$ _____

3d. That the following is a full and correct statement of its capital stock and securities on this date:

Authorized Capital { Common Stock, \$500,000.00
Preferred Stock, \$ none

Issued and Outstanding { Common Stock, \$
Preferred Stock, \$ none

Bonds authorized, \$ none

Bonds issued, \$ none

Other securities called Authorized, \$ none

Other securities called Issued, \$ none

4th. That the following is a true and complete statement, showing the consideration received from the stock issue and
outstanding to date:

COMMON STOCK.

	No. Shares	*Actual Value	REMARKS
Actual Cash	5	\$ 5.00	
Notes			
Real Estate			
Plant	none		
Equipment			
Patents	none		
Organizing	none		
Promotion	none		
Commissions	none		
Salaries	none		
Dividends	none		
Totals			

*This column should specify the actual amount of cash or notes received, or the actual value of real estate, etc., received
in exchange for stock issued, and should correspond with value at which these different items were given in to the company
and carried on the books.

PREFERRED STOCK

	No. Shares	Actual Value	REMARKS
Actual Cash			
Notes			
Real Estate			
Plant	NONE	NONE	
Equipment			
Patents			
Organizing			
Promotion			
Commissions			
Salaries			
Dividends			
Totals			

BONDS

	No. Shares	Actual Value	REMARKS
Actual Cash			
Notes			
Real Estate			
Plant	NONE	NONE	
Equipment			
Patents			
Organizing			
Promotion			
Commissions			
Salaries			
Dividends			
Totals			

5th. Attached hereto, marked Exhibit A is a statement giving a true and complete list of the holders of the securities of this company, indicating the consideration which was given for same.

6th. Attached hereto, marked Exhibit B, is a statement describing fully the real estate, plant, equipment, ^{to be} ~~patents etc.~~, received in exchange for stock.

7th. That the following is a complete and correct statement of its assets and liabilities:

ASSETS

	Amount estimated	Write nothing in this column
7 Mining Claims		
Real Estate	200,000.00	
Bills Receivable	none	
Accounts Receivable	none	
Cash on Hand	\$50	
Cash in Banks	none	
Other Assets as follows	none	
Total		

	Amount	Write Nothing in This Column
Com'n Stock outstand'g	5	
Pref'd Stock outstand'g	none	
Bonds outstanding	none	
Mortgages	none	
Bills Payable	none	
Accounts Payable	none	
Sinking Fund or Reserve	none	
Surplus	none	
Other Liab'lts as follows	none	
Total		

8th. That attached hereto, marked Exhibit C, is a true and correct trial balance sheet of its books on the date of the above statement.

9th. That the following is a true statement of its profit and loss account for the _____ months prior to this date:
(6 or 12)

LOSS		PROFIT	
Carried to Surplus		Undivided profits	19
Dividends, common stock per cent		Gross earnings. (Specify sources)	
Dividends, preferred stock per cent	21		
Interest paid on bonds	21		
Interest on borrowed money	01		
Operating expenses			
Commissions	21		
Salaries			
Gain		Loss	
Total		Total	

10th. That attached hereto, marked Exhibit D, is a true and complete statement of its receipts and disbursements for the past _____ months, as shown by its books.
(6 or 12)

11th. That the following is the general plan upon which the company is doing and intends to do business, and the purposes for which said securities are to be sold: The stock is to be sold for the purpose of getting money to improve and develop the mine for the benefit of the stockholders. The Company proposes to give 200,000 for the 7 mining claims and equipment, as set forth and described in Exhibit B.

12th. That it has adopted the following plan for the sale of its stock: A great deal of the stock will be placed through the personal efforts of the officers of the company and other stock will be sold through agents hired upon a commission basis. The commission to be paid agents not to exceed twenty per cent on the amount sold.

13th. That attached hereto, marked Exhibit E, is a blank certificate of its stock or other securities it desires to sell, together with a true copy of its subscription blank, and all other blanks used in connection therewith.

14th. That attached hereto, marked Exhibit F, is a true and complete copy of its constitution and by-laws or articles of co-partnership.

15th. That attached hereto, marked Exhibit G, is a true and complete copy of its charter further certified to as being a true copy by the recording officer of the state under which it is incorporated. *Filed in Arizona Feb 16 1917*

Note—Questions Nos. 16 and 17 are for companies only which are incorporated under the laws of another state than Arizona.

16th. That attached hereto, marked Exhibit H, is the written, irrevocable consent for service of process, as provided in Section 4 of Chapter 69, Laws of the 1st State Legislature of Arizona, approved May 18, 1912.

17th. That attached hereto, marked Exhibit I, is a certified copy of the resolution passed by its board of directors, authorizing the execution of the blank designated as Exhibit H.

E X H I B I T F

B Y - L A W S
Of The
COTTONWOOD MINING AND MILLING
COMPANY

-----O-----

THE NAME OF THE CORPORATION SHALL BE
"COTTONWOOD MINING AND MILLING COMPANY"

ARTICLE I.

Corporate Powers.

The Corporate powers of this Corporation shall be vested in a Board of five Directors, who shall be stockholders, holding one or more shares of stock in their own names on the books of the Corporation, and three shall constitute a quorum for the transaction of business.

ARTICLE II.

Election of Directors.

The Directors shall be elected by ballott, at the Annual Meeting of the Stockholders, to serve for one year, and until their successors are elected. Their term of office shall begin immediately after election.

ARTICLE III.

Vacancies.

Vacancies on the Board of Directors shall be filled by other Directors in office; and such persons shall hold office until the first Meeting of the Stockholders thereafter.

ARTICLE IV.

Power of Directors.

The Directors shall have power:

1st. To call Special Meetings of the Stockholders when they deem it necessary. And they shall call a Meeting at any time, upon the written request of the Stockholders hold-

1 ing one-third of all of the capital stock.

2 2nd. To appoint and remove at pleasure, all officers,
3 agents and employees of the Corporation, describe their duties,
4 fix their compensation, and require of them security for faith-
5 ful service.

6 3rd. To conduct, manage and control the affairs and
7 business of the Corporation, and to make rules and regulations
8 not inconsistent with the laws of the State of Arizona, or
9 the By-Laws of the Corporation, for guidance of the officers,
10 and the management of the affairs of the Corporation.

11 4th. To incur indebtedness. The term and amount of
12 such indebtedness shall be entered on the Minutes of the Board,
13 and the note or obligation given for the same, signed offic-
14 ially by the President and Secretary, shall be binding upon
15 the Corporation.

16 ARTICLE V.

17 Duties of Directors.

18 It shall be the duty of the Directors:

19 1st. To cause to be kept a complete record of all
20 their Minutes and Acts, and of the proceedings of the Stock-
21 holders, and present a full statement at the regular Meeting
22 of the Stockholders, showing in detail the assets and lia-
23 bilities of the Corporation, and generally the condition of
24 its affairs. A similar statement will be presented at any
25 other Meeting of the Stockholders, when thereto required by
26 persons holding at least one-half of the capital stock of the
27 Corporation.

28 2nd. To declare dividends out of the surplus profits,
29 when such profits shall, in the opinion of the Directors,
30 warrant the same.

31 3rd. Regular Meetings of the Board of Directors shall
32 occur on the third Friday of each month at the hour of five

1 o'clock P. M. at the office of the Company, at room 602 H. W.
2 Hellman Building, Los Angeles, California, such Meetings to be
3 without notice.

4 4th. To supervise all officers, Agents and employees,
5 and to see that their duties are properly performed. To cause
6 to be issued to the Stockholders, in proportion to their
7 several interests, Certificates of Stock not to exceed in the
8 aggregate Five Hundred Thousand (\$500,000.00) Dollars.

9 ARTICLE VI.

10 Officers.

11 The officers shall be a President, Vice-President,
12 Secretary and Treasurer, which officers shall be elected by
13 and hold office at the pleasure of all of the officers of the
14 Corporation (other than Directors) shall be fixed and determined
15 by the Board of Directors.

16 ARTICLE VII.

17 President.

18 The Board of Directors shall, at their first regu-
19 lar Meeting, elect one of their number to act as President;;
20 and, if, at any time, the President shall be unable to act,
21 the Vice-President, shall take his place and perform his
22 duties; and if the Vice-President, from any cause, shall be
23 unable to act, they shall appoint some other member of the
24 Board to do so, in whom shall be vested, for the time being,
25 all the duties and functions of his office. The President, or
26 in his absence the Director appointed as above:

27 1st. Shall preside over all the Meetings of the Stock-
28 holders and Directors, and shall have the casting vote.

29 2nd. He shall sign, as President, all Certificates of
30 Stock, and all contracts and other instruments in writing
31 which have been first approved by the Board of Directors, and
32 shall draw checks upon the Treasurer.

1 3rd. He shall call the Directors together whenever he
2 deems it necessary, and shall have, subject to the advice of
3 the Directors, direction of the affairs of the Corporation,
4 and generally shall discharge such other duties as may be re-
5 quired of him by the By-Laws of the Corporation.

6 The President, or two of the Directors, may call
7 Special Meetings of the Directors at any time, and Notice shall
8 be given of such called Meetings by leaving a written or
9 printed notice at the last known place of business or of resi-
10 dence of each Director. Such service of notice shall be en-
11 tered on the Minutes of the Corporation and the said Minutes,
12 upon being read and approved at a subsequent Meeting of the
13 Board, shall be conclusive upon the question of service.

14 ARTICLE VIII.

15 Secretary.

16 The Board of Directors shall elect a Secretary:

17 1st. It shall be the duty of the Secretary to keep a
18 record of the proceedings of the Board of Directors and of the
19 Stockholders.

20 2nd. He shall keep the Corporate Seal of the Corpora-
21 tion and the Book of Blank Certificates of Stock, fill up and
22 countersign all Certificates issued, and make the correspond-
23 ing entries in the margin of such books of issuance; and he
24 shall affix said Corporate Seal to all papers requiring a Seal.

25 3rd. He shall keep proper transfer books and a Stock
26 Ledger in Debit and Credit form, showing the number of shares
27 issued to and transferred by any stockholder, and the dates
28 of such issuance and transfer.

29 4th. He shall keep proper account books, counter-
30 sign all checks drawn upon the Treasurer and discharge such
31 other duties as pertain to his office and as are prescribed by
32 the Board of Directors.

1 5th. The Secretary shall serve all Notices required
2 whether by law or by the By-laws of the Company; and in case
3 of his absence, inability, refusal or neglect to do so, then
4 such Notices may be served by any person thereunto directed
5 by the President or Vice-President of the Company.

6 ARTICLE IX.

7 Treasurer.

8 The Treasurer shall receive and keep all the funds of
9 the Corporation and pay them out only on the check of the
10 President, countersigned by the Secretary.

11 ARTICLE X.

12 Books and Papers.

13 The books and such papers as may be placed on file by
14 vote of the Stockholders or Directors, shall at all times, in
15 business hours, be subject to the inspection of the Board of
16 Directors and of any Stockholders.

17 ARTICLE XI.

18 Certificates of Stock.

19 Certificates of Stock shall be in such form and device
20 as the Board of Directors may direct; and such Certificates
21 shall be signed by the President and countersigned by the
22 Secretary, and express on its face its number, date of issuance,
23 the number of shares for which, and the person to whom it is
24 issued.

25 ARTICLE XII.

26 Transfer of Stock.

27 Shares of the Corporation may be transferred at any
28 time by the holders thereof, or by the attorney legally con-
29 stituted, or by the legal representative, by endorsement on
30 the Certificate of Stock, but no transfer shall be valid
31 until the surrender of the Certificate and the acknowledge-
32 ment of such transfer on the books of the Company.

1 No surrendered Certificate shall be cancelled by the
2 Secretary before a new one is issued in lieu thereof, and
3 the Secretary shall preserve the Certificate so cancelled as
4 a voucher, If, however, a Certificate shall be lost or des-
5 troyed, the Board of Directors may order a new Certificate
6 issued upon such guarantee by the parties claiming the same,
7 as they may deem necessary.

8 ARTICLES XIII.

9 Meetings.

10 The annual Meeting of Stockholders may be held in Los
11 Angeles, California, on the third Friday of February, in each
12 year, and shall be called by a notice printed in one or more
13 newspapers published in the City of Los Angeles, County of
14 Los Angeles, State of California, hereinafter designated, for
15 once a week for three weeks preceding the day of Meeting,
16 or by a Notice in writing by the Secretary mailed to each
17 Stockholder at his last known place of residence stated on the
18 books of the Corporation.

19 No meeting of Stockholders shall be competent to trans-
20 act business unless a majority of the stock is represented,
21 except to adjourn from day to day, or until such time as may
22 be deemed proper.

23 At each Annual Meeting of Stockholders, Directors for
24 the ensuing year shall be elected. If, however, for want of
25 a quorum of other cause, a Stockholders' Meeting shall not be
26 held on the day above named, or should the Stockholders fail
27 to complete their elections, or such other business as may be
28

ARTICLE XIV.

Voting.

At all Corporate Meetings each Stockholder, either in person or by proxy, shall be entitled to as many votes as he owns shares of stock. Such proxy shall be in writing and filed with the Secretary. In all elections for Directors or Trustees, each shareholder shall have the right to cast as many votes in the aggregate as he should be entitled to vote multiplied by the number of Directors or Trustees to be elected at such election; each shareholder may cast the whole number of votes for one candidate, or distribute such votes among two or more candidates, and such Directors shall not be elected otherwise.

ARTICLE XV.

Amendments.

The By-Laws may be altered or amended at any Meeting of the Stockholders by a majority of the stock represented at each such Meeting.

ARTICLE XVI.

Seal.

The Company shall have a common Seal consisting of a circle having on its circumference "COTTONWOOD MINING AND MILLING COMPANY", Incorporated, February 16th, 1917.

ARTICLE XVII.

The Directors may elect a General Manager for the routine business of the Corporation, to hold office at the pleasure of the Directors, to be elected for a period not longer than one year at a time, removable at pleasure.

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, being the owners and holders of all the subscribed capital stock of the Cottonwood Mining and Milling Company, viz. five hundred thousand (500,000)

1 shares, hereby assent to the foregoing By-Laws and adopt
2 the same as the By-laws of this Corporation.

3 IN WITNESS WHEREOF we have hereunto subscribed
4 our names this 16th day of February, 1917.
5

6
7 Alex. Ericson
8 Hazel I. Perdue
9 D. H. Black STOCKHOLDERS.
10 R. N. Stevenson
11 George A. Boden
12
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KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, Directors and Secretary
of the Corporation known as and called Cottonwood Mining and
Milling Company, do hereby certify that the above and fore-
going By-Laws were duly adopted as the By-Laws of said
Corporation on the 16th day of February, 1917, and that the
same do now constitute the By-Laws of said Corporation.

Alex. Ericson

Hazel J. Perdue

D. H. Black

R. N. Stenenson

George A. Bodes

DIRECTORS.

D. H. Black

SECRETARY

EXHIBIT B

Mould ?

REPORT OF THE COTTONWOOD MINING
AND MILLING COMPANY

LOCATION

The property of the Cottonwood Mining and Milling Company is situated in Cochise County, Arizona, seven miles east of Dos Cabezas, which is on the Mascot Railroad, and twenty-five miles from Wilcox, on the Southern Pacific Railroad. There is a good wagon road from Dos Cabezas to the Cottonwood Mines. The freight is hauled at a small cost. The property consists of 7 claims of 20 acres each, and contains about 140 acres in all. The property is equipped with a 5 stamp Allison-Chalmers stamp mill, plates, concentration table, rock crusher, 15 h. p. steam engine, 25 h. p. boiler, 15 h. p. hoist and boiler combined, all enclosed; 3 ore cars, 500 feet of 1/2 inch cable, blacksmith shop, fully equipped; 3 pumps and a water system connected with the mines and 2 tanks of about 20,000 gallons capacity each, water boiler, about 5000 feet of mine rails, windmill, pumping outfit and well for domestic use, mining tools of various kinds, 500 canvas ore sacks, 2 ore buckets, 1 cross head, 1 large bunk house and one small bunk house, large range, cooking utensils, dishes, etc., office building, safe, mess house and barn.

HISTORY OF THE DISTRICT.

The region in which these mines are situated has long been noted for its mineral resources.

GEOLOGY

Cottonwood mine veins occur in granite rock and runs in a north and south direction, and can be traced on the surface about 4500 feet where it has been prospected about

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02-02-013.M.

1 10 feet deep in various places on the surface. The ledge is
2 about 3 to 12 inches wide on the surface and dips an angle
3 of about 32° easterly. The walls are of granite and two dis-
4 tinct walls can be seen wherever the ledge has been opened,
5 and where the ledge has been opened to a 400 foot level, -the
6 greatest depth sunk-the ledge is from 1 to 4 feet wide. On
7 the surface the ore assays from \$10.00 to \$30.00 per ton,
8 and at various depths averages about \$35.00 per ton. At the
9 200 foot level, ore has been taken out which assays over
10 \$60.00 per ton. Most of the mining has been done in about
11 the centre of the group, where a shaft has been sunk about
12 400 feet deep. A level has been cut at a depth of 56 feet,
13 which is 180 feet long, out of which good pay ore has been
14 taken, and another level has been cut at 113 feet, which is
15 200 feet long, out of which good pay ore has been taken.
16 Another level has been cut at 180 feet deep, which is 300
17 feet long, out of which good pay ore has been taken, and
18 another level has been cut at 280 feet deep, which is about
19 300 feet long, and good pay ore has been taken out of this
20 level. About 60 feet from the shaft, on this 280 foot level,
21 a winze was sunk 48 feet deep, which produced ore at about
22 \$40.00 per ton. At the 400 foot level, the ore runs about
23 \$40.00 per ton. Air shafts connecting all levels to the 280
24 foot level has been dug. About \$125,000.00 worth of ore has
25 been shipped from this mine, and about 200 tons of ore has
26 been broken at the 180 and 280 foot levels, ready to be
27 taken out and milled. There are many tons of ore ready to
28 be mined from the present opening, which will average, about

1 strong fissure--one likely to continue to a great depth as
2 well as longitudinally. The walls are usually very well de-
3 fined, and the almost constant occurrence of clay and the
4 sheeting of adjacent wall rocks afford further evidence of
5 the permanency of the fissure. The ore occurs along this
6 fissure in veins ranging from a few inches to several feet
7 in width. Good ore has been found on every level of the mine,
8 and also along the surface.

9 MINING AND MILLING FACILITIES.

10 The equipment alone of the mine at the present time
11 would cost not less than \$10,000.00 to duplicate, and it is
12 all well preserved and in good shape--ready for operation.
13

14 DATED: February 16th, 1917.

15 Alex Ericson
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GEOLOGY.

The Cottonwood veins occur in granite rock which has been intruded by dykes of andosite and rhyolite intrusions of the usually accompany the vein being seldom a absent in the region of ore. The vein strikes north dipping 32 eastwardly and cuts through the dyke of andosite and rhyolite, however at several places, which in view of the fact the vein can be easily followed on the surface for a distance of approximately 4500 ft. and in the underground workings for a depth of 400 ft., indicates a very strong fissure. The walls are usually very well defined, and the almost constant occurrence of clay sheeting of adjacent wall rock affords further evidence of the permanency of the fissure. The ore occurs along this fissure in a series of shoots of lenticular or vein like form, these ranging from a few inches to several feet in width. The ore assays about \$30.00 average assay