



CONTACT INFORMATION

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12/18/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: FRY

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 186A

LOCATION: TOWNSHIP 28 N RANGE 19 W SECTION 25 QUARTER NE
LATITUDE: N 35DEG 47MIN 19SEC LONGITUDE: W 114DEG 15MIN 52SEC
TOPO MAP NAME: SENATOR MOUNTAIN - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

GOLD LODE

BIBLIOGRAPHY:

ADMMR FRY MINE FILE
"1984 FALL FIELD TRIP, STRUCTURE & MINERALIZA
TION OF THE KINGMAN AREA, AZ" P 46 - ARIZONA
GEOLOGICAL SOCIETY (ADMMR GEOLOGY FILE)
USGS PP1361, P. 158



Fry Mine
 28N R19W Sec. 25
 NE

4 MILES
 1
 FEET



ROAD CLASSIFICATION
 Medium-duty ——— Light-duty ———
 Unimproved dirt - - - - -

SENATOR MOUNTAIN, ARIZ.
 N3545—W11415/15
 1960

30
 MO

5 December 1940

Mr. James B. Fry,
Box 285,
Chloride, Arizona.

My dear Mr. Fry:

With further reference to my letter of October 23, I am enclosing herewith a copy of mine owners report on the Fry Mine in Mohave County.

I am also enclosing herewith the report on the FRY MINE by Mr. E. H. Crabtree. A copy of this report has been made and placed in our files with the mine owners report.

I shall be glad to submit this report to anyone making inquiry for a property such as yours.

Assuring you of my desire to be helpful,
I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encls.

*Rig Mine
Ret Rect Requested*

October 19, 1940

James B. Fry
Box 285
Chloride, Arizona

Dear Sir:

In the absence of Mr. J. S. Coupal, I am acknowledging receipt of your letter of recent date, together with mine owners report and "Brief Report on the Fry Mine."

Upon Mr. Coupal's return to the office I will call his attention to this matter.

Yours very truly,

(Mrs.) Martha T. Merkle
Acting Secretary to Mr. Coupal

MM

October 23, 1940

James B. Fry
Box 285
Chloride, Arizona

Dear Mr. Fry:

Your report on the Fry Mine has been called to my attention and a copy of your report will be made and placed in our files, and as soon as we can call your property to the attention of parties looking for such a property, we will do so and hope that we may be able to assist you in getting some work started on it.

Yours very truly,

J. S. Coupal
Director

JSC:amm

MRS. JAMES BRADY FRY
BOX TWO EIGHT FIVE
CHLORIDE, ARIZONA

DEPT. MINERAL RESOURCES

RECEIVED

OCT 19 1940

PHOENIX,

ARIZONA

Department of Mineral Resources.
Phoenix Ariz.
Gents.

I enclose Mine Owners
Report filled out in full
also a report on my property
from Eng - at the present
time I am not working this
property due to my health.
The property is equipped with
Hoist - Compressor & etc.
Has good 50 ton ore lim -

FRY MINE

MOHAVE COUNTY

NJN WR 6/12/87: Jim Loghry (card) reports that Saratoga Mines (card) controls 96% of the unpatented claims that cover the Fry (file) and Cyclopic (file) Mohave County. Mssrs. Wymain and King now only retain a 4% interest in the properties.

R#

MEMORANDUM FOR FILES

FROM: Ann Turney

DATE: 7/24/80

Mr. Charles E. McIntyre of 5704 Baltimore Drive, #294, La Mesa, California, 92041 (714) 464-8038, came in to get information on the Cyclops and Fry mines in Mohave County (T28N R18W Sec. 30, Gold Basin Mining District).

He said that he had leased these mines (unpatented claims [38]) from a Richard V. Wyman and a Tom King (see Intermountain Exploration Co. File), and was trying to get some background information on past work. I checked the cards and we did not have a file on either. There was some information on the Cyclops in USGS Bulletin 397 and he took copies of that. The only reference we had on Fry was in the Eagle Picher Confidential File and I told him that he would have to talk to Mr. Jett concerning that information. I also checked the MILS lists and called Marie for the references on the two mines which were listed, however, those particular sheets are missing from our book so could not get any further references. Janice suggested that he go to their office and ask Larry Dietz to show him the original sheets. I gave him their address and phone number and he said that he would go over there at a later date, that he did not have time today.

He said that they were planning to open up this mine if the assays ran good enough. So far he has taken over 100 assays (Walt Statler ran them) and only a couple were even promising. His brother is a Canadian mining engineer and he is helping him with the project. Also, he said all the samples were taken by his nephew who is a Canadian geologist.

I gave him Cliff's card and Mr. Jetts card and he said he would try to get in touch with one of them and let them know what they are doing up there. He said there would be very little done up there until it cooled off.

CHARLES E. MCINTYRE

5704 BALTIMORE DRIVE, #294
LA MESA, CALIFORNIA 92041
(714) 464-8038

from: W.H. Crutchfield Jr. Mohave County Prospect Assessment Compilation (post 1982)

Name of Mine or Prospect: Fry Mine	Township 28N	Range 19W	Section 25 ab	Priority C
Principal Minerals: Gold	1:250,000 Quad Kingman		7.5' - 15' Quad Senator Mtn. SE	
Associated Minerals: Quartz, Calcite, Sericite, Chlorite, Clays	District Gold Basin		Principal Product Gold	
Type of Operation: Underground: Shaft	County Mohave	State AZ	Type of Deposit Vein	

Ownership or Controlling Interest:
Consult current USBLM mining claim records

ACCESS: From intersection of U.S. Hwy 93 and Pierce Ferry Road, proceed north on Pierce Ferry Road for 18 miles. Turn left on unimproved road and proceed west for 6 miles. Turn right and travel 2 miles northeast to mine. Mine is located on topographic quadrangle.

Structural Control or Geological Association:

Sample 80cj194 is from dump of the more southeasterly of two shafts at the Fry mine. Sample includes altered porphyritic quartz monzonite plus vein quartz, alaskite and fault gouge.

Age of Mineralization:

Production History	Geochemical Analyses			
	Assay ²	Lab	Gold	Silver
Unknown	80cj194	H	0.082	None
	80bb189	H	0.018	None

References

- 1) Mallach (1977) p. 55.
- 2) Exploration Research Associates Inc. (1980) Field reconnaissance (Burton, 2 June 1980).

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

ME-4

Date

1. Mine Fry Mine
2. Mining District & County Gold Basin Mining Dist. Mohave Co. Ariz.
3. Former name
4. Location 40 miles north of Chloride Arizona
5. Owner J. B. & Willie J. Fry ✓
6. Address (Owner) Bx 285, Chloride Ariz. ✓
7. Operator
8. Address (Operator)
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Gold (free) ✓
14. Men Employed
15. Production Rate To be determined - have milled while developing
16. Mill: Type & Cap.
17. Power: Amt. & Type FRY MINE
18. Operations: Present No Au
- Mohave 8 - 6 T 28 N, R 19 W
- J. B. & W. J. Fry
19. Operations Planned Sinking and drifting
20. Number Claims, Title, etc. 3 claim held by assessment work owned by present owners 20 years - Narrow gauge - Narrow Gauge Ext - Overlook
21. Description: Topography & Geography The country rock is a coarse prophyritic granite. The ore deposits consist of gold bearing iron stained breccias and quartz, cemented by silica and iron oxides and in places somewhat resembling conglomerates. The vein was uncovered by a "bulldozer" for about 425 ft.
22. Mine Workings: Amt. & Condition
- These is about 1000 ft of work done on property and all show ore

RH

23. Geology & Mineralization

24. Ore: Positive & Probable, Ore Dumps, Tailings No ore dumps, all shipped to mill.

24-A Vein Width, Length, Value, etc. two feet to four feet veins

See Mining report attached

25. Mine, Mill Equipment & Flow Sheet None

26. Road Conditions, Route Leave Kingman on Boulder Dam Hyw. to Chloride
from Chloride out same highway 14 miles turn to right out 26 miles
and one mile west of Cyclopic Mine.

27. Water Supply

Water in bottom of one shaft

28. Brief History See report attached - but considerable work done since this
report. A new shaft 105 ft. with 500 to 600 ft of work done.
You have on file assay slips

29. Special Problems, Reports Filed

From Producers Mill - from this shaft.

30. Remarks

31. If property for sale: Price, terms and address to negotiate. \$40,000.00 terms to be agreed
upon

32. Signed..... J. B. Fry
Box 285

33. Use additional sheets if necessary. Chloride Arizona

COPY

BRIEF REPORT ON

the

FRY MINE

Gold Basin Mining District

Mohave County Arizona.

by

E. H. Crabtree

J. B. Fry
Box 285
Chloride, Arizona.

I N D E X

<u>SUBJECT</u>	<u>PAGE NUMBER</u>
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Area	1
Titles	1
History	1
Adjoining Mines	1
Geology	2
Development	2
Metallurgy	2
Economic Condition	2
Ore Tonnage	2
Ore Values	2
Required Equipment	3
Production Costs	3
Estimated Earnings	3
Recommendations	3
Conclusions	3 and 4

Maps: Lost

Brief Report on the
Fry Mine
Gold Basin Mining District of
Mohave County, Arizona

LOCATION: The mining properties which are the subject of this report are situated in the Gold Basin Mining District, in the northern portion of Mohave County, Arizona.

The nearest railroad point is Kingman, sixty miles to the south, situated on the main line of the Santa Fe Railroad and on United States Highway No. 66. Kingman is the County Seat of Mohave County and the main supply point of the District. The mine lies about 35 miles southeast of the Boulder Dam.

The Gold Basin Mining District is well and favorably known for its high grade free milling gold ores and its larger deposits of lower grade milling ores which are amenable to treatment by either cyanidation or flotation.

AREA: The Fry Group comprises three unpatented mineral claims as follows:
Narrow Gauge, Narrow Gauge Extension and Overlook.

The first two mentioned are located along the main ore body for a distance of 3000 feet. The last named lies at an angle of 45° to the others and joins them near their intersection. According to survey the area comprises a total acreage of 65,983 acres.

TITLES: Titles are held by right of location and are recorded in Book No. 1, Page 333 in the office of the County Recorder of Mohave County at Kingman, Arizona. These titles have been checked and investigated by the writer and found to be free from incumbrances of any character.

HISTORY: These claims were located in 1921 and the annual assessment work has been regularly performed.

Owing to the comparatively limited mine development, no important production has been made but practically work has been done in ore of profitable grade and this ore had been hauled to the San Juan Mill, a mile and one-half distance and treated by the cyanide process. Therefore the Fry Mine has no ore dump of importance.

ADJOINING MINES: In the immediate vicinity of the Fry Mine are the Cyclopic, Climax and San Juan mines. The Fry Mine is the western extension of the well known Cyclopic mine which is now in inactive operation and treating 100 tons daily by cyanidation. It is stated that their total production costs are only \$1.25 per ton due to low mining cost by open pit method and use of a drag line.

The Cyclopic Mine was examined by this writer last year and the present successful operation is the result of that examination.

GEOLOGY: The United States Geological Survey Bulletin No. 397 by Schrader describes the geology of this area quite extensively but this subject will be only briefly touched upon in this report.

The country rock is a coarse porphyritic granite. The minerals contained in the ores are apparently deposited from solutions from adjacent rocks due to underground circulating waters as well as mineral solutions from vapors of deep seated magmas. The metallic content of these ores is probably connected with an intrusion of igneous rocks which are located adjacent to the present known and future prospective ore bodies.

The ore deposits consist of gold bearing iron stained breccias and quartz, cemented by silica and iron oxides and in places, somewhat resembling conglomerates.

The general uplift, including the vicinity of the Fry Group, is really the southern extension of the Virgin Mountains but the overlying Cambrian sediments characterizing the latter range have been locally eroded.

DEVELOPMENT: The development of the mine under discussion is somewhat limited and consists of a shaft 180' in depth and miscellaneous workings such as surface open cuts and short tunnels, all exposing gold ore of commercial grade and the workings, as far as they go, may be regarded as conclusive proof of the existence of a large ore body of major importance.

While the adjoining Cyclopic ore body is developed to such an extent that a potential tonnage of over a million tons may be safely assumed, it is the opinion of the writer and of some other engineers that the Fry area may well be the origin of the Cyclopic ore body which lies on a porphyritic sill or bedding plane dipping ~~at~~ at an angle of 12° thus giving the appearance of a superficial deposit, the origin of which is the deep seated apparently fissure veins of the Fry mine.

This ore body, practically undeveloped, lies at an angle of 40° with the same general dip and strike as the Cyclopic ore body but with the advantage of being a more concentrated ore mass and of an average value three times that of the Cyclopic.

METALLURGY: The especially attractive feature of the Fry Mine is that the values are almost entirely in gold, the extraction of which is a very simple metallurgical problem, being either a treatment by cyanidation or flotation.

In the bottom of the 180' shaft are indications that the ^{water}table is not far distant.

ECONOMIC CONDITIONS: The property under discussion is so located that production costs can be reduced to a minimum. A good road leads directly to the shaft. Water can be developed sufficiently for all purposes within a reasonable distance and being situated within about 35 miles from the Boulder Dam, electric power will be available within a short time at a cost of eight mills per KWH.

ORE TONNAGE: It is practically impossible to accurately estimate any proven tonnage at this time except to state that the ore body appears to be very extensive and certainly warrants further intensive development.

Potential tonnage which may be developed with connection of two known exposures of the ore body and connecting same with drifts from the present 180' shaft may be estimated at approximately 94,000 tons. From estimated value shown later in this report it will therefore, be seen that the potential value of ore to be developed may be very great.

It is not at all improbable that tonnage sufficient to furnish a 100 ton mill continuously may be developed within six months after installation of the proper equipment for mining operations.

ORE VALUES: A systematic sampling of the known ore exposures show an average gold content of approximately \$20.00 per ton. (See Assay Map accompanying this report)

The results shown on this map are approximately correct. This writer systematically sampled this mine in July, 1933 just before the price of gold advanced. The results shown herewith are based of course on the present price of gold at \$35.00 per ounce and the results obtained in previous sampling plus 75% to cover increased gold prices.

The second sampling by the writer in July, 1934 showed values at the lowest points to be reached in the shafts to be \$31.60 the assays being made at the California Testing Laboratories.

REQUIRED EQUIPMENT: In order to operate the Fry Mines so as to obtain the most advantageous results, it is necessary to immediately install a hoist and compressor plant, and when sufficient ore is developed to warrant it, which should be within six months then a mill of at least 75 tons daily capacity be installed the design and process to be used ~~xxxx~~ to be determined by further accurate metallurgical tests before the character of the plant is decided upon.

PRODUCTION COSTS: Careful estimates of production costs show that mining, milling and all fixed charges should not exceed \$4.00 per ton but this would probably be much less. Detailed costs are available from the writer but will not be shown in this report.

ESTIMATED EARNINGS: On the basis of a minimum production of 75 tons per day we may assume the following earnings from operations of this property:

75 tons per day of a gross value of \$20.00	\$1,500.00
Less production costs @ \$4.00 per ton.....	\$300.00
Less estimated milling loss of 8%.....	120.00
Less safety factor of 20%	300.00
	\$ 720.00
Daily net earnings.....	\$ 780.00

RECOMMENDATIONS: To place this property in production on a 75 ton basis it will first be necessary to obtain and install the equipment mentioned on Page 3 of this report, together with the necessary mine supplies, camp and camp equipment.

Development and consequent ore production will then start immediately and a mill should be planned within the following six months or less.

It is recommended that the main shaft be sunk on the ore body to at least 400 feet with appropriate levels run at intervals of 100 feet. This procedure will of course, be governed by conditions as they are encountered during progress of this work.

A six months period will carry the operation thru the winter months and early spring will find the property ready for the erection of the mill altho the open winters of this vicinity would not seriously interfere with any new construction.

CONCLUSIONS: The result of this examination and other reliable data available to the writer in arriving at a conclusion concerning the properties which are the subject of this report, indicate a gold property of exceptional merit which can be placed on a profit earning basis with comparatively small expenditure and continued on such a basis indefinitely.

The principal points to be determined in the examination and consideration of a mining property are: First, if the ore is of sufficient value to be produced at a profit over all costs: Second: If there is sufficient proven or potential tonnage to warrant the

investment asked and necessary to place it on a production basis and, the greater the daily production, the less the production costs are per ton of ore.

More mining failures are due to mismanagement, under financing poor judgment in the selection of the property or to extravagance, than to any fault ~~in~~ or merits of the property itself.

The fact remains, however, as regards the Fry property that there is apparently an immense tonnage of ore which can be developed and produced at a profit but this must be done under competent management, economically conducted which is the essential factor to the success of a mining operation the same as in any other business.

Respectfully submitted,

E. H. Crabtree, E. M.

Oct. 5, 1934.

FRY MINE

Gold Basin District Mohave County, Arizona

LOCATION & OWNERSHIP

Fry mine is reached by driving approximately 33.5 miles toward Hoover dam from Kingman, where a turn is made to the right. This turn-off is about 3.5 miles north of the Pleasant Valley Texaco station. From the turn-off drive 25 miles north-easterly, always staying on the main roads to the left, until the Cyclopic mine is reached. A road turns up the Cyclopic wash past the open pits and continues for a little over a mile to reach the Fry mine in a minor canyon.

The property is held by location by Mr. and Mrs. Fry. Mr. Fry was seriously ill at the time of visit and was not contacted.

The property is developed by a main incline shaft about 200 feet long with little lateral work. A glory hole is located several hundred feet SW on top of the ridge.

GEOLOGY & ORE DEPOSIT

The country rock is mainly coarse porphyritic granite with schistose phases and schist. The ore lenses are found on a strong but narrow shear striking NE and dipping from the vertical to about 44 degrees to the NW. The incline follows a NW fracture at the surface but the NE ore zone comes in the back of the incline a short way from the surface and is followed down a 44 degree dip from that point by the incline. The ore fracture is somewhat irregular in dip down the incline and is apt to "dive" at any point and then follow its normal dip. Probably this irregularity gave the reopening and open spaces for formation of ore lenses.

The ore shear is marked by very heavy clay gouge indicating considerable compressive movement. The ore occurs in lenses of quartz or recemented brecciated quartz that is very similar to that of the Cyclopic mine. The ore is said to run from 10 to 25 dollars per ton in gold. No base metal was seen or is reported in any amount. The quartz is said to be consistently good in values.

The small glory hole on the hill is almost certainly on the same zone. Little can be seen now except the main shear.

Post-mineral movement has occurred on the ore shear and kidneys of ore are found in the heavy clay gouge.

Sperry says the ore is amenable to a simple leach by cyanide. Sperry is sampler at the Cyclopic. The clay gouge would probably ~~need~~ need to be sorted to prevent channeling in the leaching tanks.

Mrs. Fry stated to Sperry that three companies were investigating the property at this time.

The lenses of ore are small and while the values are good according to report, the shoots are too small for the zone to produce a large tonnage. Some ore might be mined and treated if operating in the district. Very little ore can be seen at present. A small stope is located SW of the incline about 2/3rds of the way down.

Examined: January 31, 1938

by R. Hernon

February 3, 1938

Robert M. Hernon

MF-9

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

- 1. Mine Fry Mine
- 2. Mining District & County Gold Basin Mining Dist. Mohave Co. Ariz.
- 3. Former name
- 4. Location 40 miles north of Chloride Arizona
- 5. Owner J. B. & Willie J. Fry ✓
- 6. Address (Owner) Bx 285, Chloride Ariz .
- 7. Operator
- 8. Address (Operator)
- 9. President
- 10. Gen. Mgr.
- 11. Mine Supt.
- 12. Mill Supt.
- 13. Principal Metals Gold (free)
- 14. Men Employed
- 15. Production Rate To be determined - have milled while developing
- 16. Mill: Type & Cap.
- 17. Power: Amt. & Type
- 18. Operations: Present No

unreleased
147

FRY MINE

Au

Mohave 8 - 6 T 28 N, R 19 W

J. B. & W. J. Fry

- 19. Operations Planned Sinking and drifting
- 20. Number Claims, Title, etc. 3 claim held by assessment work owned by present owners 20 years - Narrow gauge - Narrow Gauge Ext - Overlook

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These is about 1000 ft of work done on property and all show ore

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24. Ore: Positive & Probable, Ore Dumps, Tailings No ore dumps, all shipped to mill.

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See Mining report attached

25. Mine, Mill Equipment & Flow Sheet None

26. Road Conditions, Route Leave Kingman on Boulder Dam Hyw. to Chloride from Chloride out same highway 14 miles turn to right out 26 miles and one mile west of Cyclopic Mine.

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33. Use additional sheets if necessary. Chloride Arizona