



## **CONTACT INFORMATION**

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PRINTED: 08/08/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HARDROCK MINE

ALTERNATE NAMES:  
PEG

COCHISE COUNTY MILS NUMBER: 907

LOCATION: TOWNSHIP 19 S RANGE 25 E SECTION 33 QUARTER C  
LATITUDE: N 31DEG 43MIN 45SEC LONGITUDE: W 109DEG 48MIN 07SEC  
TOPO MAP NAME: OUTLAW MOUNTAIN - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:  
GOLD PLACER  
SILVER

BIBLIOGRAPHY:  
ADMMR HARDROCK MINE FILE

04/03/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

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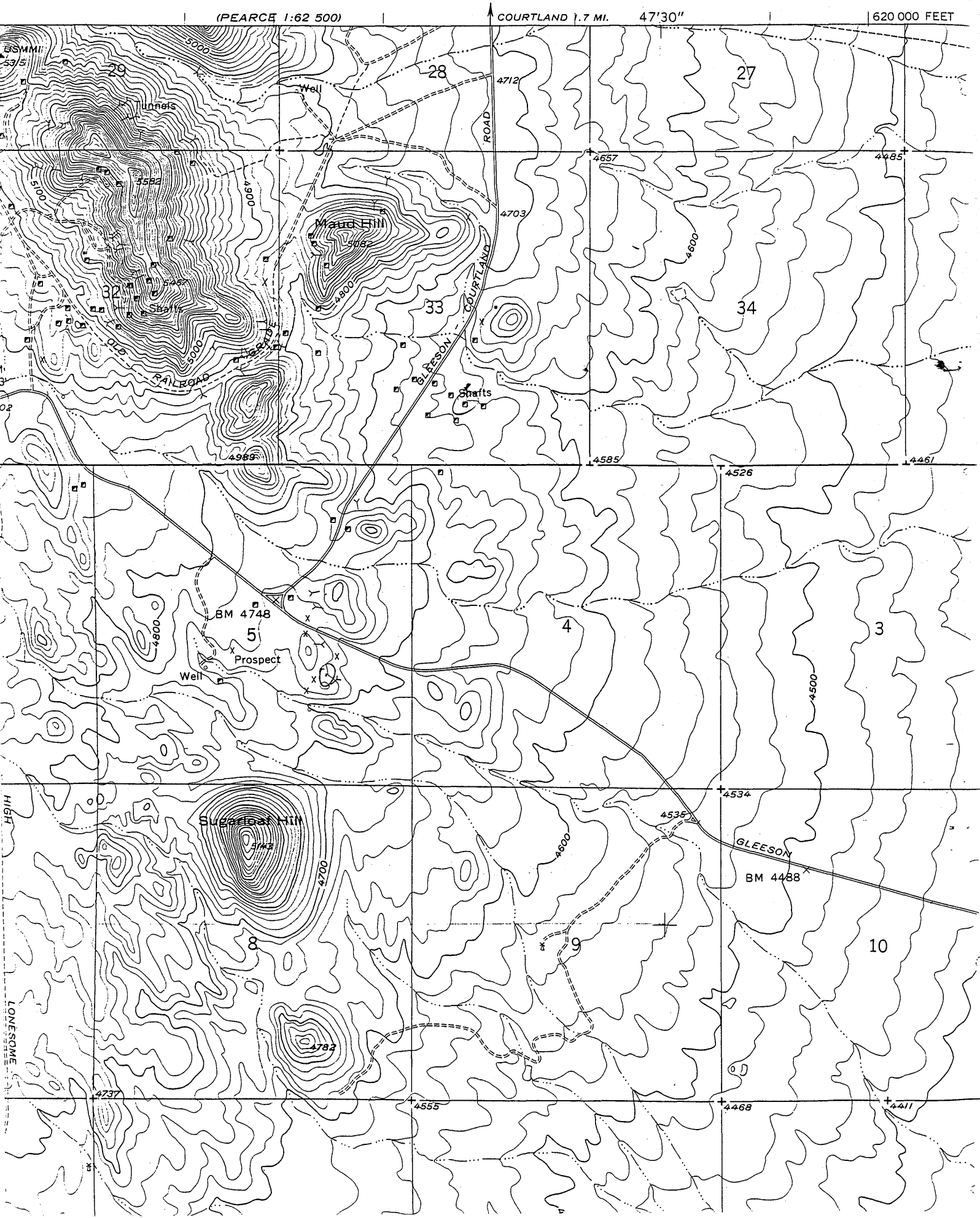
COMMODITY:  
GOLD PLACER  
SILVER

BIBLIOGRAPHY:  
ADMMR HARDROCK MINE FILE

(PEARCE 1:62 500)

COURTLAND 1.7 MI. 47°30"

620 000 FEET



NUMBER 907	FILE F	CONT 0	CONT1 N	PRINAME HARDROCK MINE					
ALTNAME1 PEG				ALTNAME2					
ALTNAME3				ALTNAME4					
ALTNAME5				ALTNAME6					
CURSTAT UNKNOWN	MNAME OUTLAW MOUNTAIN - 7.5 MIN			NLATDEG 31	NLATMIN 43				
NLATSEC 45	WLONGDEG 109	WLONGMIN 48	WLONGSEC 07	TOWN 19 S	RANGE 25 E	SECTION 33	QUARTER C	COM1 AU	
MOD1 PLACER	COM2 AG	MODI2	COM3	MODI3	COM4	MODI4			
COM5	MODI5	COM6	MODI6	COM7	MODI7				
BIB1 ADMMR HARDROCK MINE FILE									
BIB2									
BIB3									
BIB4									

12. Ore "Blocked Out" or "In Sight": APPROXIMATELY 100 ACRES -  
LOCATED ON TOP OF THE MOUND OR "HOG-BACK  
WHERE GOLD RECOVERY MACHINERY IS LOCATED.  
 Ore Probable: FREE GOLD + SILVER

13. Mine Workings—Amount and Condition: OPERATION NOT COMPLETED

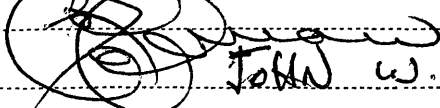
No.	Feet	Condition
Shafts.....	<u>BRIEF</u>	<u>SAMPLING ONLY</u>
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

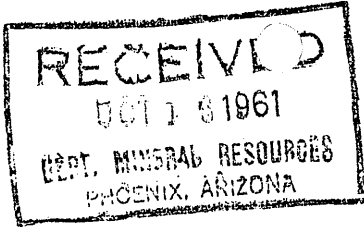
14. Water Supply: 4 GALLONS PER MINUTE - WELL CAN BE  
INCREASED TO 35 GPM BY DRILLING 120 FEET <sup>#100</sup>  
DEEPER, WHICH IS GUARANTEED BY THE WELL DRILLER.

15. Brief History: DUE TO LACK OF FINANCES WE HAVE BEEN  
UNABLE TO COMPLETE THE REQUIRED EQUIPMENT  
NEEDED TO PUT THE MINE INTO OPERATION. THIS ARE  
WAS EXTENSIVELY "DRY-WASHED" FOR FREE GOLD + SILVER  
SINCE 1910, ESPECIALLY DURING THE DEPRESSION.  
LARGEST GOLD NUGGET FOUND WAS \$17.<sup>00</sup> IN VALUE.

16. Remarks: ALL REA ELECTRIC POWERED MOTORS - 220 VOLT  
AND 3-PHASE. - MINE IS EQUIPPED WITH A NEW GOLD  
RECOVERY CONCENTRATOR (\$3105.<sup>00</sup>), NEW SUBMERSIBLE  $7\frac{1}{2}$  HP  
WATER PUMP (APPROX. \$3000.<sup>00</sup>) - 700 FEET OF 2 INCH WATER PIPE  
TROMMEL CONVEYOR, ORE BIN, WELDING EQUIPMENT, LONG TOM  
AND 60 POUND WATER PRESSURE SYSTEM WITH TANKS & FLOOD LIGHT.

17. If Property for Sale, List Approximate Price and Terms:  
SELLING PRICE \$17,900.<sup>00</sup> - WITH PROPER CREDIT  
RATING ANY REASONABLE TERMS ACCEPTABLE

18. Signature:   
JOHN W. KASSAN



DEPARTMENT OF MINE & L RESOURCES  
State of Arizona  
MINE OWNER'S REPORT

Date OCTOBER 16, 1961

- 1. Mine: THE KASSAN Co. #1 - "HARDROCK MINE"
- 2. Location: Sec. 33 Twp. 19S Range 7SE Nearest Town GLEESON Distance 1 3/4 MILES  
Direction EAST Nearest R.R. TOMBSTONE, ARIZONA Distance 18 MILES  
Road Conditions 6000 GRAVEL COUNTY ROADS
- 3. Mining District and County: TURQUOISE - COCHISE COUNTY
- 4. Former Name of Mine: PEG No. 1 - OWNER - JOHN W. KASSAN
- 5. Owner: 918 WEST CULVER ST. PHX 7, ARIZ. & WILLIAM  
Address: S. JEARMCIAK, STAR ROUTE, ELFRIDA, ARIZONA
- 6. Operator: WILLIAM S. JEARMCIAK  
Address: STAR ROUTE, ELFRIDA, ARIZONA
- 7. Principal Minerals: FREE GOLD & SILVER
- 8. Number of Claims: Lode \_\_\_\_\_ Patented \_\_\_\_\_ Unpatented \_\_\_\_\_

APPROX. 250 ACRES Placer 8 Patented \_\_\_\_\_ Unpatented

9. Type of Surrounding Terrain: MOUNTAINOUS HILLS TO WEST - VALLEY TERRAIN IN REMAINDER AND WHERE PLACER MINE IS LOCATED

10. Geology and Mineralization: SEE COPY OF "ARIZONA GOLD PLACERS AND PLACERING" - JANUARY, 1952 - SERIES 45 - VOLUME XXIII No. 1 - BULLETIN No. 160 - PAGES 20 & 21 - ARIZONA BUREAU OF MINES. PLEASE NOTE THAT THESE FIGURES AS PUBLISHED HEREIN ARE OF \$20.00 GOLD VALUE (1932) AND ARE NOT BASED UPON PRESENT \$35.00 MARKET VALUE.

11. Dimension and Value of Ore Body: ONE - HALF MILE LONG AND 1/8 MILE WIDE

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

CALL MR. AXEL L. JOHNSON, TOLSON OFFICE, IF NECESSARY

DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
MINE OWNER'S REPORT

Date AUGUST 1, 1961

1. Mine: THE KASSAN CO # 1
2. Location: Sec. 33 Twp. 19S Range. 25E Nearest Town. GLEESON Distance. 1 3/4 MILES  
Direction. EAST Nearest R.R. TOMBSTONE Distance. 18 MILES  
Road Conditions. GOOD GRAVEL COUNTY ROADS
3. Mining District and County: TURQUOISE - COCHISE COUNTY
4. Former Name of Mine: PEG No. 1
5. Owner: JOHN W. KASSAN & WM. S. JEARMCHUK  
Address: STAR ROUTE, ELERIDA, ARIZONA
6. Operator: WM. S. JEARMCHUK  
Address: SAME AS ABOVE
7. Principal Minerals: FREE GOLD & SILVER
8. Number of Claims: Lode Patented Unpatented  
Placer. APPROX. 250 ACRES Patented Unpatented ✓
9. Type of Surrounding Terrain: MOUNTAINOUS HILLS TO WEST VALLEY TERRAIN IN REMAINDER
10. Geology and Mineralization: SEE COPY OF "ARIZONA GOLD PLACERS & PLACERING" - JANUARY 1952 - SERIES No. 45 - VOLUME XXXII No. BULLETIN No. 160 - PAGES 70 & 71 - ARIZONA BUREAU OF MINES - PLEASE NOTE THAT THESE FIGURES ARE BASED UPON \$70.00 GOLD VALUE AND NOT THE \$35.00 VALUE OF TODAY'S MARKET.
11. Dimension and Value of Ore Body: 1/2 MILE LONG BY 1/2 MILE WIDE

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.



12. Ore "Blocked Out" or "In Sight": SAME AS No. 11

Ore Probable: FREE GOLD + SILVER

13. Mine Workings—Amount and Condition: MR. AXEL L. JOHNSON WITNESSED

No.	Feet	Condition
Shafts.....		A SAMPLING —
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: 35 GALLONS PER MINUTE — WELL NOW IN AND OPERATING — 700 FEET OF NEW UNDERGROUND PLASTIC 2 INCH PIPE

15. Brief History: DRY WASHED EXTENSIVELY DURING 1930 DEPRESSION — LARGEST GOLD NUGGET FOUND WAS 17.<sup>00</sup> IN VALUE — RECENT ASSAYS SHOWED BETWEEN 275.<sup>00</sup> TO 564.<sup>00</sup> PER TON OF CONCENTRATE

ALL REA ELECTRIC POWER — 220 V — 3 PHASE & SINGLE PHASE  
16. Remarks: 35 FOOT CONVEYOR WITH A 24" BELT — 7 1/2 YARD ORE BIN — 10 FOOT TROMMEL — LONG TOM — 60 POUND WATER PRESSURE SYSTEM WITH PRESSURE TANKS — COMPLETE WELDING & ACETYLENE EQUIPMENT — ALL ELECTRIC MOTORS

17. If Property for Sale, List Approximate Price and Terms: 25,000.<sup>00</sup> AS IS WHERE IS — ALL EQUIPPED — NEW 7 1/2 HP

SUBMERSIBLE PUMP — NEW 3,000.<sup>00</sup> STEPHAN CONCENTRATOR — LARGIE "P & H" CRAN: THE KASSAN CO — DRAG-LINE & JOHN W. KASSAN — 35 FOOT BOOM & SHOVEL FROM 36" x 1/2" VIBRO FEEDER

748 GRAND AVENUE, PHOENIX, ARIZONA

PHONE AL 6-6346



Mr. Axel L. Johnson, Field Engr.  
Department of Mineral Resources  
State Office Bldg.  
Tucson, Arizona

July 31, 1961....

for the rest of your life

Dear Mr. Johnson: Please be advised that the Gold Placer Mine, at which you recently visited and witnessed a sample run by my partner Mr. William S. Jearmchuk, is now for sale. This mine, as you may remember, is located about 1½ miles Northeast of Gleason, Arizona, on the East side of the Gleason-Courtland Road, and about ½ mile from the Elfrida, Gleason, Courtland Road Junction.

It was our original intent to produce the Free Gold ourselves, but having depleted our entire investment of \$20,500...we now must accept the first bid of \$25,000. This purchase price would include everything at the Mining Site, except the Dodge Truck and Camper, which belongs to Mr. Jearmchuk. 8 Claims covering approximately 250 Acres are included. The water well is now 246 feet deep and should be deepened another 120 feet to obtain the required 35 gallons per minute needed to operate the Recovery Machine effectively. The new Rapidayton Submersible 7½ Horsepower Pump and Pressure Tank System would be adequate to handle this amount of water. The additional cost to deepen the well would be approximately \$625.00, as quoted by Mr. Douglas Chenoweth, the driller.

The 35 foot Conveyor, with a 24 inch Belt and 5 Horsepower Motor is now operating, as is the "P & H" Crane with its 35 foot Boom, Drag-Line, Shovel-Front, and Hoist. Two Buckets are include Complete Welding and Acetylene Equipment is a part of the Inventory.

The latest Assay of our Concentrates as found in the Black Sands from our Concentrating Machine by the Jacobs Assay Office, in Tucson, showed \$504.00 (over 10 ounces) in Gold, and \$90.00 (over 10 ounces) in Silver, per Ton of Concentrate. As a fair compensation for past efforts in developing the Mine, the present owners would like to retain a Ten Percent Interest on all Net Production.

Thanking you very kindly for your assistance, and do hope to hear from you soon. You may either contact Mr. Jearmchuk, Star Route, Elfrida, Arizona, or the undersigned at 918 West Culver St., Phoenix, Ariz  
Very gratefully yours,

John W. Kassan

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX 7, ARIZONA



Tucson, Arizona,  
Dec. 13, 1961

MEMORANDUM

To: Frank P. Knight, Director  
From: Axel L. Johnson, Field engineer  
Re: Sale of mining equipment by John W. Kassan

C On Dec. 11, John W. Kassan called at my office and announced that he will sell the following mining equipment, which is now at the Hardrock Placer Mine at Gleeson:

- O steam
- P
- Y
- (1) Stephan Gold Recovery Machine (Model G-9 Dual). Cost \$ 3,105 (incl. tax).  
Will sell for \$ 2,500.
  - (2) P & H Crane -- three way combination-- 60 ft. dragline-- 35 ft. boom-- all  
cleaned and repaired -- 10 % wear Will sell for \$ 3,500
  - (3) Belt conveyer --- 35 ft. long --- 2 1/2 in. belt -- 5 H. P. motor  
Will sell for \$ 550
  - (4) Ore bin --- 7 1/2 yards capy. -- mounted on 9 ft. legs  
Will sell for \$ 250
  - (5) Trommel --- 10 ft. long x 3 ft. diam. --- # 8 screen  
Will sell for \$ 1,000
  - (6) Long Tom ---- 12 ft. long  
Will sell for \$ 20
  - (7) Water pump and pressure system ---- submersible 500 gal. pressure tank and  
all fittings --- 700 ft. of 2 in. dia. hose Will sell for \$ 1,000

Mr. Kassan further stated that he will sell the placer claims (8--20 acre placer claims) These claims were located last January. Will sell same for \$ 10,000

Anyone interested in such equipment is asked to communicate with

John W. Kassan,  
918 W. Culver St.,  
Phoenix, 7 Arizona.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Hardrock Mine

Date Nov. 16, 1961

District Turquoise District, Cochise Co.

Engineer Axel L. Johnson

Subject: Present Status. Information from William S. Jearmchuk and personal visit.

References Report of July 13, 1961

Location (Correction to July 13, 1961 report)

Approximately Sec. 33, T 19 S, R 25 E. About 2 miles east of Gleeson,  
and about 1/4 miles east of the Gleeson-Courtland road.

Present Mining Activity No mining activity at present. Mr. Jearmchuk reports that  
operations are closed down on account of lack of finances.

**DEPARTMENT OF MINERAL RESOURCES**  
STATE OF ARIZONA  
**FIELD ENGINEERS REPORT**

Mine **HARDROCK MINE**

Date **July 13, 1961**

District **Turquoise District, Cochise County**

Engineer **Axel L. Johnson**

Subject: **Field Engineers Report. Information from William S. Jearmchuk & J. Stephan and Personal Visit.**

Location - About 1 mile east of Gleeson & about  $\frac{1}{4}$  mile south of the Gleeson-Elfrida Road.

Number of Claims - 8 - 20 acre placer claims on Federal mineral rights, with the State of Arizona owning the surface. These claims were located last January.

Owners & - The Kassan Company, Gen. Del., Elfrida, Arizona.

Operators • John W. Kassan, principal owner, address above.  
• William S. Jearmchuk, partner, address above.

Principal Minerals - Gold in placer form.

Present Mining Activity - Practically closed down at present on account of lack of finances, and also insufficient water. One man (Mr. Jearmchuk) working making some test runs and selling gold panning privileges to tourists.

Geology - Gold is found in the decomposed granite, which covers a fairly large surrounding area.

Ore Values - It was reported that a geologist had sampled the deposit and reported \$3.50 per yard in gold values.

Ore in Sight & Probable - Not determined.

Milling Facilities - The gold is concentrated with the aid of a Stephan Gold Recovery Machine (Model C-9 Dual). This machine is manufactured by J. Stephan, 309 W. Wilshire Drive, Phoenix, Arizona. Price is \$3,000.00, plus cost of accessories.

The complete milling equipment consists of the following:

- (1) An old used conveyor belt running from the open cut<sup>up</sup> to the ore bin.
- (2) A 7 yard crude ore bin.
- (3) A homemade trommel screen, about 3' dia. x 6' long.
- (4) Stephan Gold Recovery machine (Model C-9 Dual).
- (5) A flume 24" wide x 15' long equipped with screen on bottom, and sloped about 1 inch per foot.

The mill has been operating at short intervals during the past 2 months. Its mode of operation is about as follows:

- (a) The ore is loaded on the conveyor belt, which discharges into the 7 yard crude ore bin.

(b) The crude ore is discharged from the ore bin into the trommel, which screens it to +1/8" and -1/8" size.

(c) The +1/8" size is caught by riffles in the trommel and any gold nuggets or particles in this material are handpicked out.

(d) The -1/8" size material discharges into the Stephan Gold Recovery Machine, with water being added where the ore discharges into the machine.

(e) The heavy particles, including the gold, are caught in the riffles of the machine, and cleaned out about once every 4 hours. This is done by tilting the machine with its tilting mechanism, and flushing out with water. The material removed from the machine is then panned in an ordinary hand gold pan, and the gold particles collected.

(f) The tailings from the Stephan Machine run into the flume. The purpose of the screen at the bottom of the flume is to collect any additional gold left remaining. The tailings discharge from the lower end of the flume into a pond, and no attempt has been made to save the water for reuse.

Water for the milling operations is obtained from a 246 ft. deep well near the property, and is pumped from the well into a storage tank above the level of the mill. Mr. Jearmchuk reports that the milling operations require about 35 gal. of water per minute, and that the well will only produce about 4 gal. per minute. Operators have plans, as soon as finances can be obtained, for sinking the well deeper in order to develop more water, stating that if they can increase the water supply to 12 gal. per minute they can by 24 hr. pumping obtain enough water to run the mill for 8 hrs. This would also require a larger water storage tank. Engineer suggested that they try to collect the water now going to waste for reuse.

Mr. Stephan claims the capacity of the machine on -1/8" material is from 15 to 20 tons per day or 8 to 10 yards, and Mr. Jearmchuk states that they can run through about 1 cu. yd. per hr. Mr. Stephan claims that the best results can be obtained by screening the ore to -1/2 inch instead of -1/8 inch, stating that the machine will handle material up to 1/2" size.

The Kassan Company has a sign on the entrance to the property - "Gold Panning-\$1.00", and Mr. Jearmchuk stated that the fee charged tourists is \$1.00 per pan or \$5.00 per yard.