



CONTACT INFORMATION

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Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SHEEPTRAIL BOULEVARD

ALTERNATE NAMES:

SHEEPTRAIL
BOULEVARD
MINNIE

MOHAVE COUNTY MILS NUMBER: 70A

LOCATION: TOWNSHIP 21 N RANGE 20 W SECTION 7 QUARTER N2
LATITUDE: N 35DEG 13MIN 08SEC LONGITUDE: W 114DEG 27MIN 08SEC
TOPO MAP NAME: UNION PASS - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD LODE
SILVER
SAND & GRAVEL
STONE RIP-RAP

BIBLIOGRAPHY:

ADMMR SHEEPTRAIL BOULEVARD FILE
SCHRADER, F.C., USGS BULL 397, P. 203-205 MAP
WILSON, E.D., AZBM BULL 137, P. 102, 106-107
MAP
WEED, W.H. THE MINES HANDBK VOL XVI P 394
ADMMR MOHAVE CUSTOM MILL PROJ. CARD FILE
GARDNER, E.D., USBM IC 6901, P. 8(MAP), P. 47
SEE ADMMR GOLD STANDARD MINE CORP FILE P. 3

GEOLOGICAL SURVEY
UNION PASS QUAD

R 20W

114° 30' 15"

728000m E

730

R. 21 W

20 W. '31 27' 30"

732

T 22 N
T 21 N

902

901

900

899

898



Katherine

Wash

TELEPHONE

Well

SHEEP TRAIL MINE

DEEP TRAIL MINE

Spring

35

36

31

11

12

14

13

18

Mine

Tyrol Mine

1756

1919

1763

2210

2296

2467

3009

2590

2017

2365

2851

2600

1351 M

1368

1980

2200

2200

1600

1800

1970

1969

1927

2000

2000

2093

2014

2400

2400

2200

2200

2200

2266

548

2052

SHEEPTRAIL-BOULEVARD

Alt. Names Sheeptrail
Boulevard
Minnie

MOHAVE
Union Pass District
T21N, R20W Sec. 7 N $\frac{1}{2}$
MILS Seq # 0040150276

See: Union Pass Quad
USGS Bulletin 397 P. 203-205 (map)
ABM Bulletin 137 P. 102, 106-107 (map)
ADMR Mohave Card file
Mohave Custom Mill Project card file
Mines Handbook Vol. XVI (1924) P. 394-395
USBM IC 6901, P. 8 (map), 47
Kingman Mining Project - 5 claim maps; 10 plan and sample maps of underground;
7 plan and sample assay maps of underground; 5 miscellaneous maps.
ABM Bulletin 140 p. 96

| | | | | |
|---|--|--------------|--|---------------|
| Name of Mine or Prospect: Boulevard | Township 21N | Range 20W | Section 7 acc | Priority B |
| Principal Minerals: Gold | 1:250,000 Quad Kingman | | 7.5' - 15' Quad Union Pass | |
| Associated Minerals: Quartz, Calcite, Manganese Oxide | District Union Pass (Katherine, San Francisco) | | Principal Product Gold | |
| Type of Operation: Underground | County Mohave | State Ar. | Type of Deposit Vein | |
| Ownership or Controlling Interest: Gold Standards Mines Corporation (1935) | | | | |
| Access: From the intersection of State Route 68 and Katherine Wash Road, proceed northwest on Katherine Wash Road for 3 miles. Turn right on unimproved road for 1.75 miles. Mine is located (unnamed) on topo. quad. .25 miles southeast from road. | | | | |
| Structural Control or Geological Association: "A crosscut was run to intersect several quartz-calcite veins that outcrop on the hillside near a granite-rhyolite contact." ¹ "Mineralization consists of a number of small stringers of quartz over a width of from 3 to 7 feet. This quartz is not everywhere ore, and only certain portions of the vein stained with iron oxides were mined. The best ore was found at the water table or else a short distance below. In the lower parts of the mine, the grade of the ore was too low to be mined at a profit." ² | | | | |
| Age of Mineralization: | | | | |
| Production History | | | Geochemical Analyses | |
| (1906) ¹ 15,000 tons produced (1936) ¹ Shipments of ore resumed Patented claim Bk #307 MS #1368 | | | (1931) ² "The best ore was found where pulverent manganese oxides occurred in the porous quartz and such ore would carry \$100 per ton or more in gold." ² | |
| References | | | | |
| 1) Gardner (1936) p. 47. 2) Lausen (1931) p. 119-120. 3) Schrader (1909) p. 204-205 4) CETA map file, Rack #21A underground and claim maps. 5) Exploration Research Associates Incorporated (1981) Reconnaissance Geologic Map of the Union Pass 7.5' 7.5' Quadrangle, Mohave County, AZ | | | | |

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

| | | | | |
|---|---|--------------|-------------------------------|---------------|
| Name of Mine or Prospect Sheeptrail | Township 21N | Range 20W | Section 7 acc | Priority A |
| Principal Minerals: Gold | 1:250,000 Quad Kingman | | 7.5' - 15' Quad Union Pass | |
| Associated Minerals: Quartz, Calcite, Hematite | District Union Pass (Katherine San Francisco) | | Principal Product Gold | |
| Type of Operation: Underground | County Mohave | State Ar. | Type of Deposit Vein | |

Ownership or Controlling Interest:
Consult tax assessment records

Access: From the intersection of Arizona 68 and Katherine Wash Road proceed north on Katherine Wash Road for 1 mile. Turn right on jeep trail for 1.5 miles. Mine is shown on topographic quadrangle.

Structural Control or Geological Association:

"Its vein lies in a nearly east-west ridge of Precambrian granite rising several hundred feet above the adjacent open washes, with intrusive rhyolite nearby. The vein dips about 60°S. The ore contains chiefly quartz and hematite as gangue and is said to be rich."⁴

"A cross-cut was run to intersect several quartz-calcite veins that outcrop on the hillside near a granite-rhyolite contact."²

Age of Mineralization:

| Production History | Geochemical Analyses |
|--|----------------------|
| Extensive underground data ¹ Patented claim (1) Bk #307 MS #1368 15,000 tons of production (1906) ² | |

References

- 1) CETA map file, Rack #21A, underground and claim maps.
- 2) Gardner (1936) p. 47.
- 3) Lausen (1931) p. 119-120.
- 4) Schrader (1909) p. 204-205.
- 5) Exploration Research Associates Incorporated (1981) Reconnaissance Geologic Map of the Union Pass 7.5' Quadrangle, Mohave County, Arizona



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Governor Jane Dee Hull

Jacqueline E. Schafer, Director

Certified Mail - Return Receipt Requested

December 21, 1999

EU99:0764

Inventory #: 101432

Mr. Donald Adams
P.O. Box 4324
Kingman, AZ 86402

**RE: Notice of Violation
C.B.H. Limited - Gold Springs Mine and Mill**

Dear Mr. Adams:

Attached is a Notice of Violation (NOV) concerning failure to submit required reports to ADEQ for the Groundwater Quality Protection Permit, Permit Number G-0057-08 for the above referenced facility.

We look forward to working with you to ensure all necessary actions are taken to correct the violations.

If you have any additional comments or questions, please contact Jeanette Black at (602) 207-4612 or 1-800-234-5677, extension 4612.

Sincerely,

A handwritten signature in black ink that reads "M. Reza Azizi".

M. Reza Azizi, Manager
Water Quality Enforcement Unit

cc: Jeanette Black, Hydrologist, Water Quality Enforcement Unit, ADEQ
Andy Wilson, Inspector, Northern Regional Office, ADEQ
Eric Wilson, Manager, Mining APP Unit, ADEQ
Patty Meade, Director, Mohave County Health & Social Services, P.O. Box 7000, Kingman, AZ 86401
Douglas Martin, State Mine Inspector, 1700 E. Washington, Suite 400, Phoenix, AZ 85007
J. Dennis Wells, Land Commissioner, State Land Department, 1616 W. Adams, Phoenix, AZ 85007
Mr. Nyal Niemuth, Department of Mines & Mineral Resources, 1502 W. Washington, Phoenix, AZ 85007
Ralph Costa, Mining Engineer, Bureau of Land Management, 222 N. Central Ave., Phoenix, AZ 85004-2203

Attachment (1)

JB:
J:\surf\wqc\wwfacility\101432\nv991221.wpd



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Governor Jane Dee Hull

Jacqueline E. Schafer, Director

December 21, 1999

Inv. # 101432

NOTICE OF VIOLATION

The Arizona Department of Environmental Quality (ADEQ), Water Quality Division, Water Quality Enforcement Unit (WQEU), has determined that the **C.B.H. Limited Partnership - Gold Spring Mine and Mill** located approximately seven (7) miles east of Bullhead City, Arizona is in violation of Arizona Revised Statutes (A.R.S.) Title 49-101 *et. seq.* and applicable rules.

I. CITATION OF AUTHORITY

- A. The Department shall prevent and abate all water pollution (A.R.S. 49-104.A.11).
- B. When the Department determines that a person is in violation of any provision of Article 3, Chapter 2 of A.R.S. Title 49, or a rule adopted pursuant to Article 3, Chapter 2, of A.R.S. Title 49, a discharge limitation or any other condition of a permit issued under Article 3 of Chapter 2 of A.R.S. Title 49, the Department may, in accordance with A.R.S. §49-261.A., issue an enforcement order to the owner or operator requiring compliance.

II. FINDINGS OF FACT AND DESCRIPTION OF VIOLATION(S)

- A. The Gold Spring Mine and Mill is a discharging facility operating under the authority of a Groundwater Protection Permit, Permit Number G-0057-08, issued pursuant to A.R.S. Title 49, Article 3.
- B. The Gold Spring Mine and Mill has failed to submit monitoring reports for the third and fourth quarters of 1998 and the first and second quarters of 1999, as required by the Groundwater Quality Protection Permit, Permit Number G-0057-08.

Citation:

Failure to monitor or report as required by Part II.B of the permit is a violation of the Groundwater Quality Protection Permit, Permit Number G-0057-08.

- C. On June 25, 1999, Andy Wilson of the ADEQ Northern Regional Office, conducted and inspection of the facility accompanied by the Mill Manager, Keith Stanley.
- D. Mr. Stanley reported to Andy Wilson during the June 25, 1999, inspection that mining activities had ceased at the Gold Spring Mine site.

- E. The Gold Spring Mine and Mill has failed to notify the Department of the cessation of mining activities at the Gold Spring Mine site.

Citation:

Part II.D.2.c of the Groundwater Quality Protection Permit requires a written report be submitted to the Water Permits Section following closure describing the results of each step of the closure plan within 60 days after closure.

- F. Mr. Stanley reported to Andy Wilson during the June 25, 1999, inspection that approximately 10-12 tons/day of ore derived from the nearby Sheep Trail Mine was being milled at the Gold Spring Mill. The ore was being milled with a mixture of water and pine oil. No other chemicals are being used although the permit allows usage of sodium cyanide, caustic soda, lime, sodium hypochlorite, and "joy" - a commercial detergent.

- G. The Gold Spring Mine and Mill has failed to notify the Department of the following modifications:

1. Change from processing ore derived on-site to processing of ore from the Sheep Trail Mine.
2. Cessation of the use of sodium cyanide, caustic soda, lime, sodium hypochlorite and "joy".
3. Use of pine oil in the milling process.

Citation:

Part II.A.7 of the Groundwater Quality Protection Permit requires 90-days advance written notice to the Department of any modification to the above facility. Modification is defined by Part III.C.27 as a change in the location, volume, constituent(s) or constituent concentration(s) of a disposal, which is described in the permit issued pursuant to R9-20-208.

- H. Mr. Stanley reported to Andy Wilson during the June 25, 1999, inspection that approximately 8000 - 10,000 gallons /day of wastewater (mixture of water and pine oil) are discharged to a small unlined impoundment located just off the end of the mill.

- I. Part II.A.1.a of the permit states "...The facility shall be constructed and maintained in such a manner as to prevent discharge of pollutants to land surface or sub-surface which may have an adverse impact on groundwater." This is accomplished by recycling process water and discharging wastewater to one of two (2) ponds lined with a 30-mil polyvinyl chloride (PVC) synthetic liner (Part II.A.1.c)

Citation:

Discharge of 8000 -10,000 gallons of wastewater per day to an unlined pond is a violation of the Groundwater Quality Protection Permit.

- J. Mr. Stanley reported to Andy Wilson during the June 25, 1999, inspection that he was unaware of any permits or required monitoring.

Citation:

Failure of the Gold Spring Mine and Mill owners to notify the operator (Mr. Stanley) of the permit and required monitoring is a violation of Part II.A.4 which states "Adequate supervision and operation shall be performed to ensure that all users of the facility are aware of and understand the containment/disposal requirements of Part II.A."

III. REQUIRED CORRECTIVE ACTIONS

A. Within ten (10) days of receipt of this Notice:

The owner/operator of the facility shall submit either of the following:

1. Completed Self-Monitoring Report Forms as required by the Groundwater Quality Protection Permit for the third and fourth quarters of 1998 and the first and second quarters of 1999; or
2. A written explanation for failing to submit the Self-Monitoring Report Forms as required by the Groundwater Quality Protection Permit for the third and fourth quarters of 1998 and the first and second quarters of 1999.

B. Within (30) days of receipt of this Notice:

1. Submit a report describing the site operations. Include, at a minimum, the following information in this report.
 - a. The name(s) and mailing address(es) of the owner(s).
 - b. The name(s) and mailing address(es) of the facility operator(s).
 - c. The name and mailing address for the facility.
 - d. The legal description of the facility.
 - e. A copy of a topographic map, or other appropriate map, of the facility (Gold Spring Mine and Mill) location. Include the location of the

Sheep Trail Mine and other mines that may supply ore for milling.

- f. A scaled facility site plan which shows all known property lines, structures, water wells, topography and the location of the points of discharge, if different than those shown on the original Groundwater Quality Protection Permit (GWQPP) application.
- g. A summary of all known past and present activities on-site. Include a description of the types of mining that have occurred (e.g. underground, placer), the types of milling that have occurred and a summary of all known present and past facility discharge activities, indicating all of the following:
 - i) The chemical, biological, and physical characteristics of the discharge(s).
 - ii) The rates, volumes, and frequency of the discharge for each facility.
 - iii) The location of each discharge.
- h. A description of all mining and environmental permits issued to the Gold Spring Mine and Mill.

IV. STATEMENT OF CONSEQUENCES

- A. Pursuant to A.R.S. §49-261 and §49-262, failure to achieve timely compliance may result in an administrative order or civil action by ADEQ requiring compliance within a reasonable time frame and/or substantial civil penalties of up to twenty-five thousand dollars (\$25,000) per day.
- B. Achieving compliance does not preclude ADEQ from seeking civil penalties for the above cited violations.**

V. REQUIRED DOCUMENTATION

- A. Compliance documentation shall be submitted upon completion of each required corrective action and shall include: invoices, photographs, logs, laboratory analyses, sealed engineering plans and technical drawings, permits and any other documents necessary to establish compliance.
- B. All reports, studies, explanations, summaries, proposals and other written correspondence shall be sent to ADEQ at the following address:

Arizona Department of Environmental Quality
Attn: Jeanette Black
Water Quality Enforcement Unit
3033 N. Central Avenue (M0501B)
Phoenix, Arizona 85012

C. The above documentation shall be deemed "submitted" when received by ADEQ.

VI. OFFER TO MEET

ADEQ personnel are willing to schedule a meeting to discuss the violations and corrective actions. If you would like to meet, please contact Jeanette Black at (602) 207-4612 or in Arizona at 1-800-234-5677, extension 4612. Prior to the meeting, please submit the following: 1) an agenda that specifies the issues that you wish to discuss and 2) the names and affiliations of the participants that will be accompanying you.

M. Reza Azizi

M. Reza Azizi, Manager
Water Quality Enforcement Unit

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Information from: H. John Wilson

Company: Hallmark Resources Ltd.

Address: 711-543 Granville Street

Vancouver, B.C. V6C 1X8 CANADA

2. Phone: (604) 685-2031

3. Mine:

4. ADMMR Mine File: SHEEPTRAIL BOULEVARD

5. County: Mohave

6. Summary of information received, comments, etc.:

A call was made to Hallmark Resources Ltd. in British Columbia for information on the status of their efforts on the Sheeptrail Boulevard Mine. In a 1987 release they announced the beginning of crushed rock production and gold ore stockpiling.

Mr. Wilson explained that numerous delays prevented that from happening. However, they are now just beginning to do what they said they were starting in May of 1987. They were originally going to produce crushed stone for the Bullhead City airport but they project was delayed indefinitely. They have also been hampered by legal problems with Don Adams who was in some way involved with Charlie Ward from whom they purchased the property.

Gilbert Rodrigues, Bullhead City, phone (602) 758-6379 is resident manager at the property. They are filing a bond with the BLM for their part of the operation that will "spill" off the patented land. They hired John Roscoe to do a geologic report last summer. He referred to the deposit as an ore concentration in rhyolite in the form of 2 parallel systems over a 3000' strike length. They have no proven ore yet but hope to drill soon. Old workings reached a depth of 450'. Using a 200' depth they have postulated an indicated 2.4 million tons plus a calculated additional 1.0 million tons of ore at 0.07 tr oz Au/ton. A cyanide bottle roll test showed a possible recovery at 95% of the gold. They 3.4 million tons reported can be mined by open pit methods and waste is good barren rhyolite which can be marketed as crushed stone and aggregate in Bullhead City. Although their initial reason for buying the property was as a gold target, they feel the crushed stone potential is as good or better because of the market in Bullhead City.

Date: January 6, 1989

Ken A. Phillips, Chief Engineer

SHEEPTRAIL-BOULEVARD

~~DO NOT REPRODUCE~~

NJN WR 10/9/81: Don Riedel, a consulting geologist from Aurora, Colorado and I saw evidence (signs and excellent road) of a new operation - Springold in the area of the Sheeptrail Mine, E $\frac{1}{2}$, Sec. 7, T21N, R20W, but time and growing darkness precluded visiting it.

NJN WR 6/4/82: Don Adams is supplying "ore" from the Sheeptrail Mine, Mohave County, to the Springold Mill. The material is coming from the dumps as well as being shot down from a wall.

NJN WR 8/16/83: It was reported that there was a heap leach operation at the Sheeptrail Mine, Mohave County, recently which was apparently unsuccessful.

RRB WR 7/20/84: Mark Nydam, 17 Wall Street, Madison, Ct. 06443 was in for information on the Sheep Trail Mine and the Hackberry Mine, both in Mohave County. His company which remained unnamed, is considering acquiring these two properties.

MINE VISIT REPORT

MINE: Sheeptrail-Boulevard Mine (file)

COUNTY: Mohave

Engineers: Nyal J. Niemuth and Richard R Beard

Date: April 20, 1984

While in the Union Pass Mining District a visit was made to check on reported activities at the Sheeptrail-Boulevard Mine. We drove up to the camp located in the SE $\frac{1}{4}$ of Sec 7, R20W R21N. We were met by a watchman. He reported that the operation was being run by Don Adams and Thomas "Jack" Deshazo, P O Box 2343, Bullhead City, Arizona 86430, ph: 754-2198.

They are conducting a test cyanide heap leach operation on dump and tailing material. The operation has been semi-active for a year and a half. Water is being trucked to the site. We were not allowed to see the mine or leach area but did see the pregnant pond and recovery equipment located with the camp in the gulch below the workings. The recovery equipment consisted of 2 carbon columns, Zadra stripping equipment and electrolytic plating tanks. No comments were received about successes or problems the operation is having.

HAMM



STATE MINE INSPECTOR

SEP 07 1983

Office of State Mine Inspector

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303* we are submitting this written notice to the Arizona State Mine Inspector (705 West Wing, Capitol Building, Phoenix, Arizona 85007) of our intent to start stop (please circle one) a mining operation.

COMPANY NAME Sheep TRAIL MINE?
CHIEF OFFICER T. Jack DeShazo
COMPANY ADDRESS PO Box 2343 Bullhead City, Az, 86430
COMPANY TELEPHONE NUMBER 754-2198
MINE OR PLANT NAME Sheeptrail Mine

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)
mile Post 6 1/2 North on 68 off Kathryn County
Road - 1st Right after Old Springold
mill

TYPE OF OPERATION leach on Dump Material PRINCIPAL PRODUCT gold
STARTING DATE _____ CLOSING DATE _____

DURATION OF OPERATION _____

PERSON SENDING THIS NOTICE T. Jack DeShazo

TITLE OF PERSON SENDING THIS NOTICE operator

DATE NOTICE SENT TO STATE MINE INSPECTOR 1 Sept 1983

*A.R.S. Section 27-303 NOTIFICATION TO INSPECTOR OF BEGINNING OR SUSPENDING OPERATIONS: When mining operations are commenced in any mine or when operations therein are permanently suspended, the operator shall give written notice to the inspector at his office prior to commencement or suspension of operations.

MAY 11th. 1987

HALLMARK RESOURCES LTD. AND DESERT SANDS RESOURCES, INC. JOINT VENTURE PARTNERS AT BULLHEAD CITY, ARIZONA, ANNOUNCE PRODUCTION OF AGGREGATE IN THEIR GOLD-SILVER-AGGREGATE MINING OPERATION.

Production commenced in the week of May 11th. 1987 at an initial rate approximating 1,000 tons of crushed rock per shift. The Company will go to two shifts a day to increase sales as soon as a second crew is trained on the equipment. Current demand for crushed rock products exceed the Company's ability to supply and therefore a second aggregate plant with larger crushers and screens is contemplated in the near future. The major products being stock-piled are 3/8", 3/4", 3", 8" plus, and 14" plus rock sizes. Prices range from almost \$10 per ton to over \$20 per ton.

In the immediate working zone of aggregate rock production, the gold content averages about .08 oz per ton. Most gold reports in the sand fraction during the crushing operation. This concentrate is now being stock-piled for processing at a later date. Approximately .058 ounces Au per ton in the ore is calculated as recoverable and approximately 100 tons of concentrate is recoverable per shift. Processing the concentrates for refined gold-silver is scheduled for September, at which time the Company expects to manufacture approximately 100 oz of gold and 120 oz of silver per day.

ON BEHALF OF THE BOARD

VSE Symbol HKR*John Wilson*

H. John Wilson, Director

The contents of the above news release have neither been approved nor disapproved by the Vancouver Stock Exchange

HALLMARK RESOURCES LTD.

NEWSLETTER 87-2

APRIL 13th. 1987

Excitement is building at HALLMARK RESOURCES LTD's gold-silver mine and construction aggregate project as construction of the aggregate plant nears completion. Within a few days the operating company, a joint venture between HALLMARK and DESERT SANDS RESOURCES INC., will commence production of various sizes of crushed rock, bringing early cash flow and profit.

Product sales will be made to concrete manufacturers and other construction trades within the Mohave Valley region. Of note, Laughlin, Nevada and Bullhead City, Arizona, located only 6 miles from the property, are in a boom phase of development. Eleven new hotel-casinos are being built in Laughlin with airports, sewer systems, hospitals, schools, shopping centres and other service amenities planned for construction.

An estimated 30,000,000 tons of aggregate will be required to supply the needs of the district over the next ten years. The Company's property contains unlimited hundreds of millions of tons of rhyolite which has been tested and found to be a superior aggregate for construction purposes.

To date a 2,400,000 ton zone of gold-silver bearing ore has been indicated within the rhyolite grading an average 0.10 oz per ton gold and 1.0 oz per ton silver. Additional exploration this summer is expected to prove greater tonnages of similar grade ore from strong vein systems which run across the entire property.

On Behalf of the Board

VSE Symbol HKR


H. John Wilson, Director

The contents of the above news release have neither been approved nor disapproved by the Vancouver Stock Exchange