



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 11/08/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: KING OF LEAD MINE

ALTERNATE NAMES:

RED HORSE

QUEEN OF SHEBA

COCHISE COUNTY MILS NUMBER: 17

LOCATION: TOWNSHIP 16 S RANGE 30 E SECTION 18 QUARTER NE

LATITUDE: N 32DEG 02MIN 29SEC LONGITUDE: W 109DEG 18MIN 31SEC

TOPO MAP NAME: COCHISE HEAD - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD

SILVER

ZINC

COPPER OXIDE

COPPER SULFIDE

GOLD LODE

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 53

USGS MAP I-1310-B, P. 49

ADMMR KING OF LEAD MINE FILE

KING OF LEAD MINE

COCHISE COUNTY

California Dist.
T16S. R30E, Sec. 18

RI 5650 p. 132

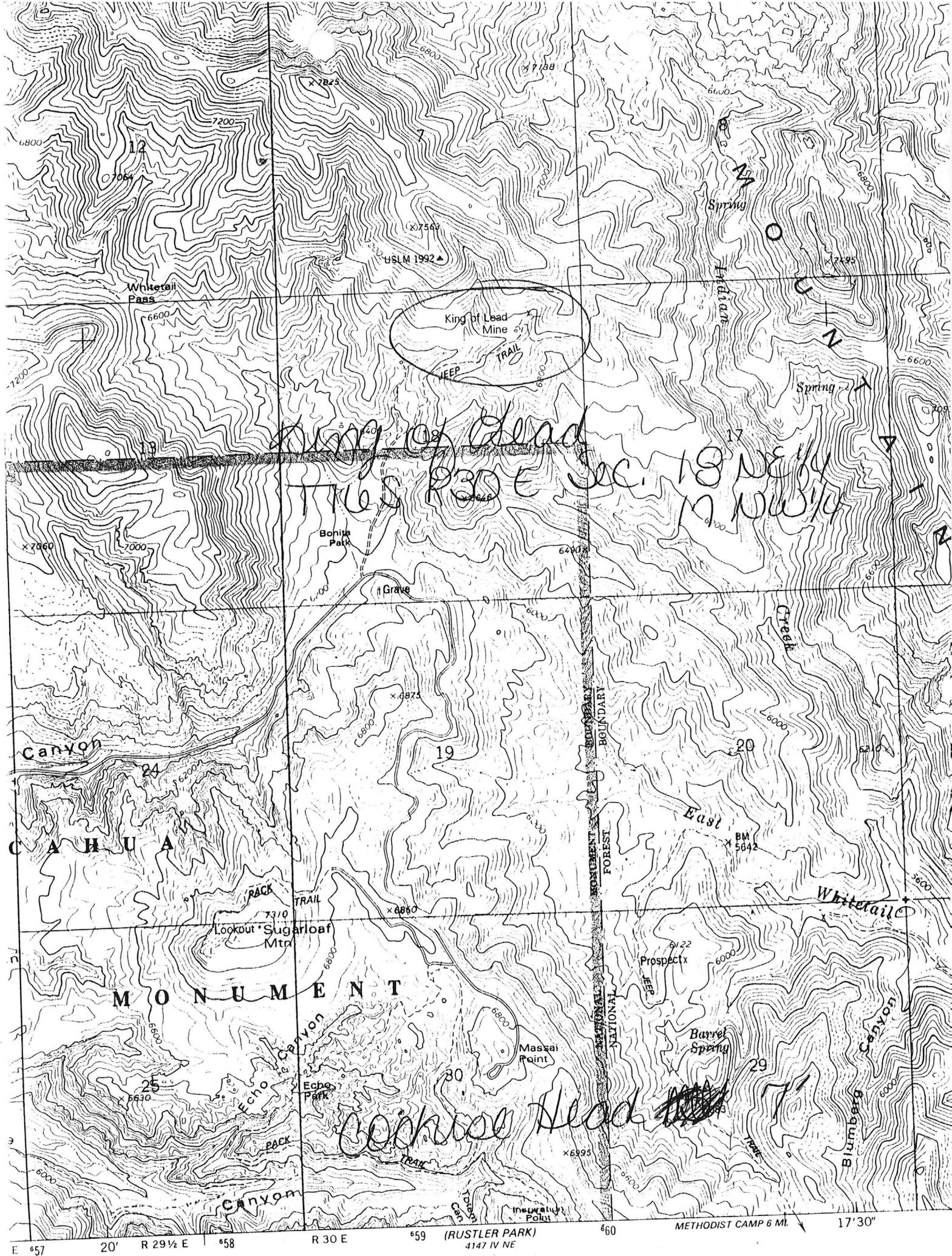
Bigsby, Philip R., (MLA 1-83) "Mineral Investigation of the North End Roadless
Area, Cochise County, Arizona" P. 4, 8, & Table 1 Geology file

ABM Bulletin 187, p. 53

Cochise MILS Index #17

See: Map I-1310-B p. 49; Mineral Deposit Map of the Silver City 1⁰ x 2⁰ Quad., NM & AZ

Cochise Head 15' Quad (included in file)

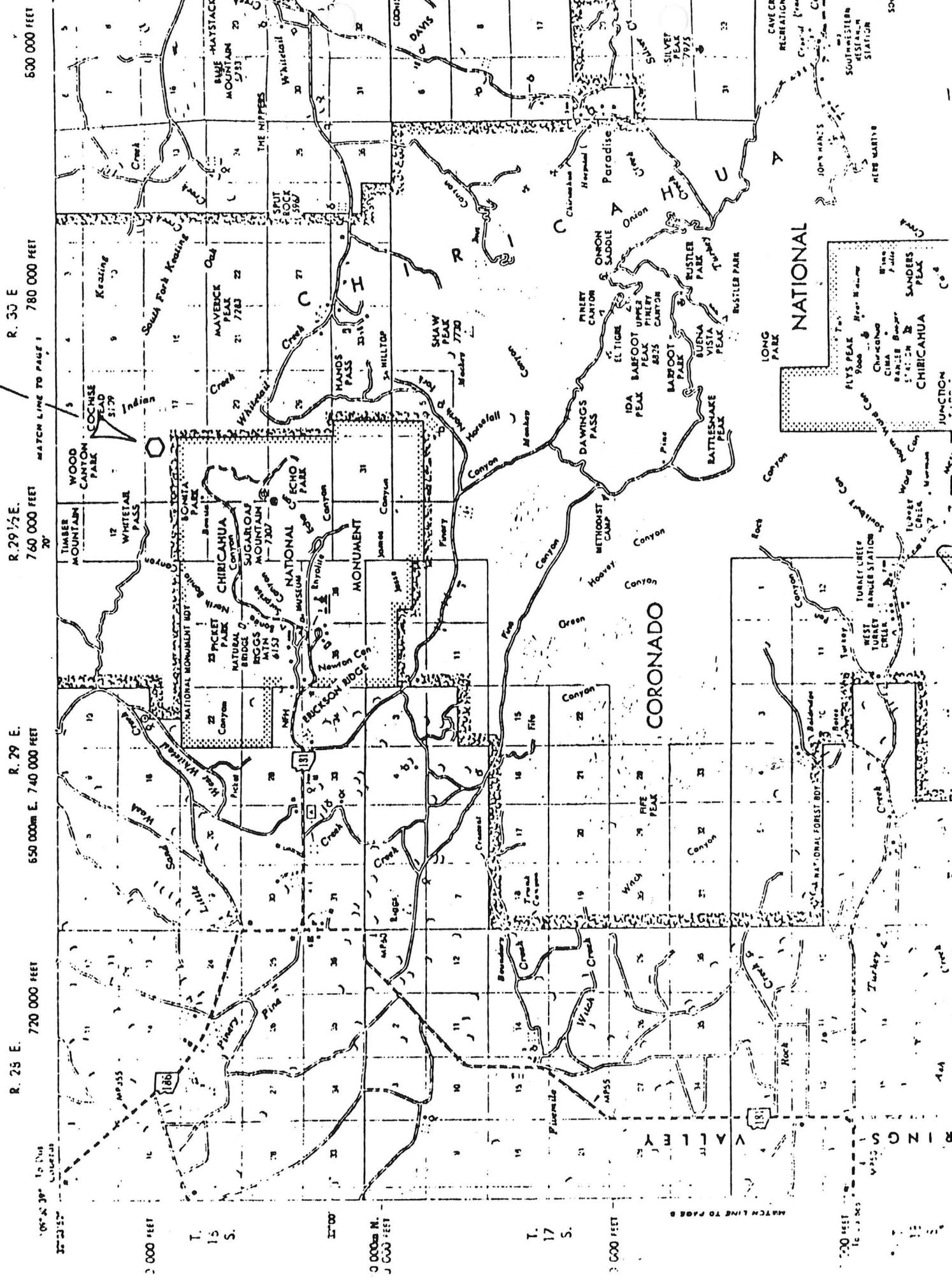


King of Lead Mine

King of Lead Mine
T12S R30E Sec. 18 NE 1/4
NW 1/4

Cookhouse Head

THINGS LEAD MISS



R. 29 1/2 E. 780 000 FEET
 R. 29 E. 740 000 FEET
 R. 25 E. 720 000 FEET
 MATCH LINE TO PAGE 1
 MATCH LINE TO PAGE 2
 MATCH LINE TO PAGE 3
 MATCH LINE TO PAGE 4
 MATCH LINE TO PAGE 5
 MATCH LINE TO PAGE 6
 MATCH LINE TO PAGE 7
 MATCH LINE TO PAGE 8
 MATCH LINE TO PAGE 9
 MATCH LINE TO PAGE 10
 MATCH LINE TO PAGE 11
 MATCH LINE TO PAGE 12
 MATCH LINE TO PAGE 13
 MATCH LINE TO PAGE 14
 MATCH LINE TO PAGE 15
 MATCH LINE TO PAGE 16
 MATCH LINE TO PAGE 17
 MATCH LINE TO PAGE 18
 MATCH LINE TO PAGE 19
 MATCH LINE TO PAGE 20
 MATCH LINE TO PAGE 21
 MATCH LINE TO PAGE 22
 MATCH LINE TO PAGE 23
 MATCH LINE TO PAGE 24
 MATCH LINE TO PAGE 25
 MATCH LINE TO PAGE 26
 MATCH LINE TO PAGE 27
 MATCH LINE TO PAGE 28
 MATCH LINE TO PAGE 29
 MATCH LINE TO PAGE 30
 MATCH LINE TO PAGE 31
 MATCH LINE TO PAGE 32
 MATCH LINE TO PAGE 33
 MATCH LINE TO PAGE 34
 MATCH LINE TO PAGE 35
 MATCH LINE TO PAGE 36
 MATCH LINE TO PAGE 37
 MATCH LINE TO PAGE 38
 MATCH LINE TO PAGE 39
 MATCH LINE TO PAGE 40
 MATCH LINE TO PAGE 41
 MATCH LINE TO PAGE 42
 MATCH LINE TO PAGE 43
 MATCH LINE TO PAGE 44
 MATCH LINE TO PAGE 45
 MATCH LINE TO PAGE 46
 MATCH LINE TO PAGE 47
 MATCH LINE TO PAGE 48
 MATCH LINE TO PAGE 49
 MATCH LINE TO PAGE 50
 MATCH LINE TO PAGE 51
 MATCH LINE TO PAGE 52
 MATCH LINE TO PAGE 53
 MATCH LINE TO PAGE 54
 MATCH LINE TO PAGE 55
 MATCH LINE TO PAGE 56
 MATCH LINE TO PAGE 57
 MATCH LINE TO PAGE 58
 MATCH LINE TO PAGE 59
 MATCH LINE TO PAGE 60
 MATCH LINE TO PAGE 61
 MATCH LINE TO PAGE 62
 MATCH LINE TO PAGE 63
 MATCH LINE TO PAGE 64
 MATCH LINE TO PAGE 65
 MATCH LINE TO PAGE 66
 MATCH LINE TO PAGE 67
 MATCH LINE TO PAGE 68
 MATCH LINE TO PAGE 69
 MATCH LINE TO PAGE 70
 MATCH LINE TO PAGE 71
 MATCH LINE TO PAGE 72
 MATCH LINE TO PAGE 73
 MATCH LINE TO PAGE 74
 MATCH LINE TO PAGE 75
 MATCH LINE TO PAGE 76
 MATCH LINE TO PAGE 77
 MATCH LINE TO PAGE 78
 MATCH LINE TO PAGE 79
 MATCH LINE TO PAGE 80
 MATCH LINE TO PAGE 81
 MATCH LINE TO PAGE 82
 MATCH LINE TO PAGE 83
 MATCH LINE TO PAGE 84
 MATCH LINE TO PAGE 85
 MATCH LINE TO PAGE 86
 MATCH LINE TO PAGE 87
 MATCH LINE TO PAGE 88
 MATCH LINE TO PAGE 89
 MATCH LINE TO PAGE 90
 MATCH LINE TO PAGE 91
 MATCH LINE TO PAGE 92
 MATCH LINE TO PAGE 93
 MATCH LINE TO PAGE 94
 MATCH LINE TO PAGE 95
 MATCH LINE TO PAGE 96
 MATCH LINE TO PAGE 97
 MATCH LINE TO PAGE 98
 MATCH LINE TO PAGE 99
 MATCH LINE TO PAGE 100

King[✓] of Lead
and
Queen[✓] of Sheba
Sold to Bill[✓] Starrett, Dos Cabezas
1946

KING OF LEAD

Pb, Zn, Ag

Cochise

2 - 2

T 16 S, R 29 E

~~Peter Windes, Dos Cabezas~~

Bill Starrett, Dos Cabezas

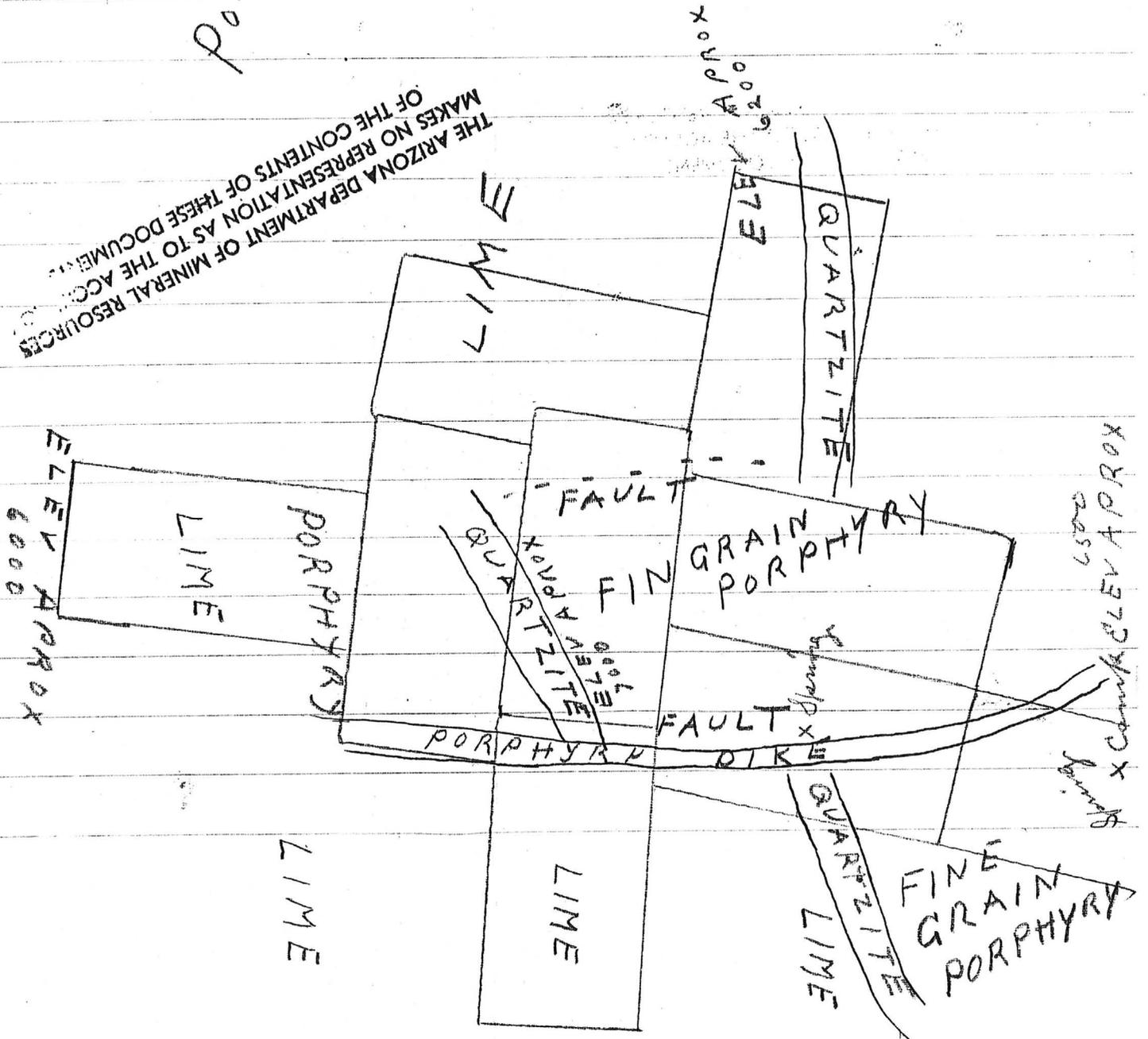
(not interested in selling or leasing)

'45

'46

PORPHYRY

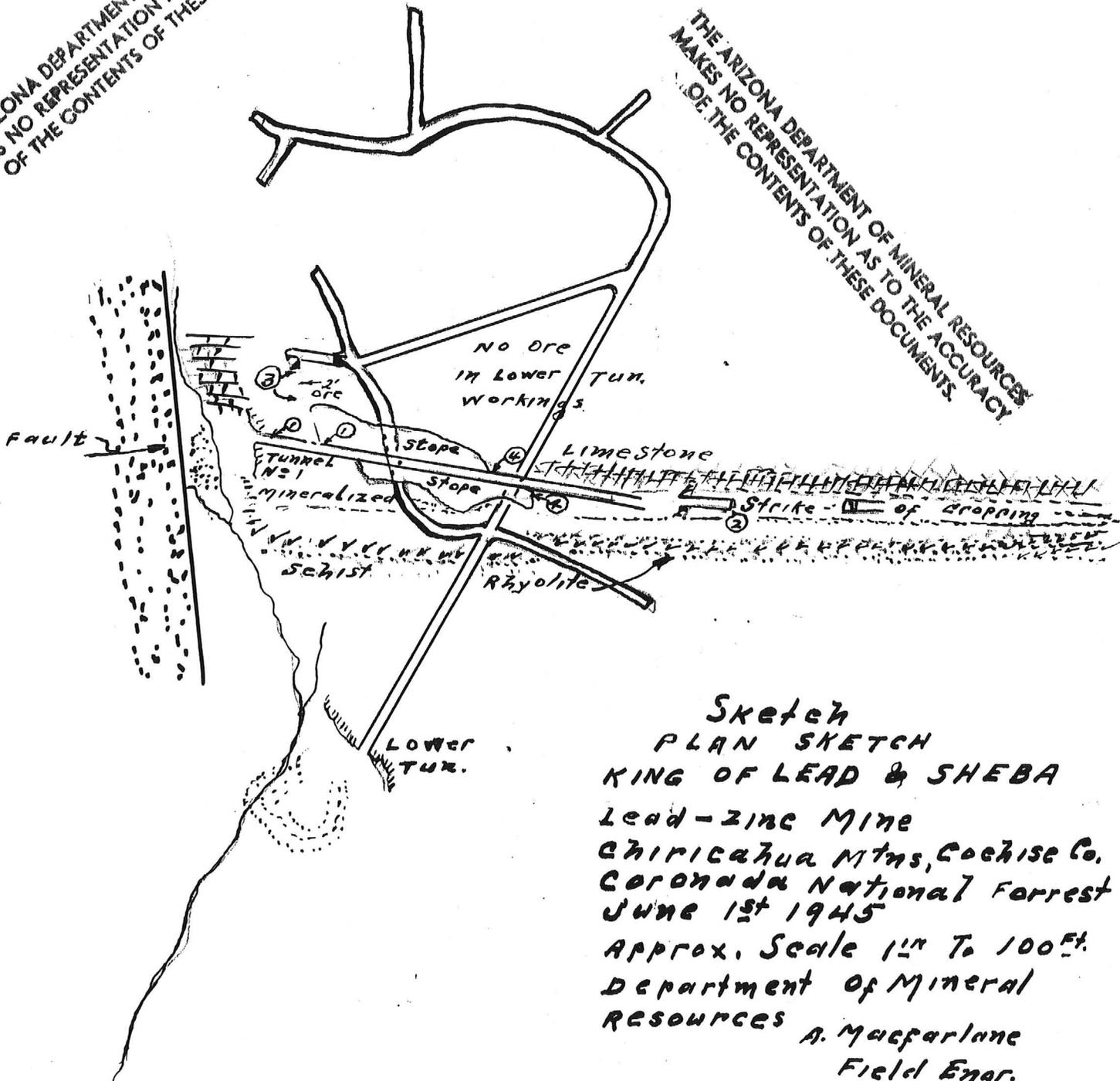
THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS



4 Prints

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.



Sketch
 PLAN SKETCH
 KING OF LEAD & SHEBA
 Lead-zinc Mine
 Chiricahua Mtns, Cochise Co.
 Coronada National Forrest
 June 1st 1945
 Approx. Scale 1" To 100 ft.
 Department of Mineral
 Resources A. Macfarlane
 Field Engr.

KING OF LEAD MINE

COCHISE COUNTY

CJH WR 12/21/84: Visitor, Canuto Sena, Deputy State Mine Inspector (c) reported that Jim Brock, Mid-Tex Construction Co., Odesa, Texas, phone (806) 381-2710 and 563-0101 and Dick A. Blenden, Paine, Blendon, Paine, Blendon and Diamon, Attorneys at Law, 208 W. Stevens, Box 1287, Carlsbad, NM 88220, phone (505) 885-2353 have leased the King of Lead mine, California District, Cochise County from Ralph Pursley, owner (c). John Fritts (c - see CJH WR 12/14/84) is the geologist and Ken L. McLaughlin is the operator. Mr. Sena supplied this office with a copy of the "Groundwater Field Inspection Form" completed by the Az. Dept. of Health Service Bureau of Water Quality Control. A copy will be mailed to the phonix office.

MG WR 4/12/85: An attempt was made in 1984 to start a heap leaching operation at the King of Lead mine (Cochise Co). The operator was Mr. Ken L. Mc Laughlin, c/o M & B Mining Co., Box N, Willcox, Az. 85644. I believe a pad and catchment pond were prepared. Reportedly the location of the pad and pond was at the head of a major drainage and some people were concerned that this drainage might be accidentally contaminated. Apparently the project has been abandoned; no leaching occurred. M & B Mining has reportedly dripped its interest.

MG WR 9/27/85: Have learned that Mr. Ralph Pursley is asking \$2,000,000 for the King of Lead mine (Cochise County).

MG WR 10/3/86: Provided file information on the King of Lead mine (Cochise Co) to a visitor representing church interests. He reports that one of the patented claims, the Amended New Haven, is for sale: \$1,000/acre without mineral rights or \$10,000/acre with mineral rights.

~~DO NOT REPRODUCE~~

Mine visit at King of Lead mine in Pinery Canyon; not now working but work planned. GWI WR 3/18/75

Dave Baughman, El Tigre mine, said that Tamco Mining Milling Co. has acquired by lease and option the Hilltop mine and the King of Lead mine and have taken over the holdings of Nonco (Now or Never Mining Co.) at the El Tigre Mine. Tamco is developing a plan and will file application to the Forest Service for permit to construct a haul road around the Chiricahua National Monument boundary from the King of Lead mine. Access to this mine, a patented property, has been through the National Monument. The present administration at the Monument headquarters has notified the company that toll fees to haul ore through the monument will be \$93 per load. VBD WR 10/3/75



PAY DIRT for October 27, 1975



Tamco Mining and Milling Co. is not working the King of Lead mine which it optioned. VBD WR 1/27/76

RI 5650, p. 132

KING OF LEAD MINE

COCHISE COUNTY

Two men working - started working part-time about Sept. 1962 - started more or less full-time about Oct. 1, 1963. ALJ Letter 3-6-64

Idle. ALJ 10-20-64

ARIZONA DEPT. OF MINES & MINERAL
STATE OFFICE BUILDING
416 W. CONGRESS, ROOM 161
TUCSON, ARIZONA 85701
SOURCES

ARIZONA DEPARTMENT OF HEALTH SERVICES
BUREAU OF WATER QUALITY CONTROL
GROUNDWATER FIELD INSPECTION FORM

Facility KING OF LEAD MINE (P) COCHISE Co. County COCHISE

Mailing Address Box N
WILL COX, ARIZONA 85643

Facility Owner or Operator M & B MINING COMPANY

Mailing Address of Owner/Operator Box N
VILLER, ARIZONA 85643

Phone Number _____ System Number _____

Reason for Inspection REQUEST FROM NATIONAL POLICE SERVICE

Inspected by ANDREW M. REEDS Date NOV 7 1984

Contact Person KEVIN L. M^S LAUGHTON

GENERAL

1. What is the nature of activity conducted at the facility? CYANIDE LEACH
LEACHING FOR GOLD AND SILVER.
 - a) What chemicals are used? CYANIDE, CAUSTIC ACIDS
 - b) What wastes are produced? RINSES, LEACHED ROCK MATERIAL
 - c) Are any of the materials in (a) or (b) above hazardous materials?
(see 40 CFR 261 subpart C&D) YES
 - d) U.S. Dept. of Commerce SIC Code(s): 104
2. What quantity of wastes are produced? 550 TONS OF WASTE PERK AT A
TIME.
3. Is there any treatment prior to disposal. If so, what type NEUTRALIZES WITH
PHOSPHATE.

4. What disposal methods are used?

	Yes	No	Number	Prior Approval
ponds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	
injection wells	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
discharge to surface	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
storage in containers	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INCLUDING MATERIAL	

PONDS

5. Give dimensions of ponds. 20' x 45' x 3 1/2' / 4'
6. List materials and quantities disposed of in each pond. CYANIDE SOLUTION
7. What is the disposal schedule, if any? As REQUIRED.
8. Are ponds lined? If so, with what materials? YES 30-35 MIL SYNTHETIC LINER.
9. Pond Maintenance - Use section A of "Wastewater Lagoon Field Inspection Check List."

INJECTION WELLS (Attach Injection Well Inventory)

10. What is the depth of each injection well. N/A
11. What materials are disposed of and in what quantities?
12. Is there a disposal schedule? Give Schedule

DISCHARGES TO SURFACE

13. Name of wash discharged to: N/A BONITA CREEK WATERSHED
14. Amount of discharge & Schedule
15. Existing NPDES Permit? Yes _____ No _____ Number _____

STORAGE IN CONTAINERS

- 16. What materials are stored? ACIDS, EXPLOSIVES, CYANIDE
- 17. What kind of containers are used? METAL DRUMS, BAGS
- 18. Condition of containers GOOD
- 19. How much is accumulated before removal? _____
- 20. Describe any other disposals. _____

WELLS (On Site)

- 21. Are there any wells at the facility? No
- 22. What is depth to water in the wells? (give source of information) _____
- 23. What is total depth of the well? (give source of information) _____
- 24. Attach copies of well logs, if available.
- 25. Give perforated intervals of wells (and source of information) _____
- 26. Give size of well casing _____
- 27. What are the uses of the wells? _____
- 28. Plot wells on map.
- 29. Well construction and maintenance. Use section A of "Water Supply Field Inspection Form."
- 30. Attach copies of chemical analyses of well water, if available.

WELLS (Off Site)

- 31. Are there any wells not belonging to the facility in the area? No

32. Give locations of these wells on map.
33. Give owner's names and uses of the wells. If wells are for drinking water, how many people are served? _____

34. Give depth to water and total depth of each well. _____

MONITORING

35. Are there any existing monitoring programs?
 wells Yes _____ No
 vadose zone monitoring Yes _____ No Type _____
 water balance Yes _____ No
 other Yes No _____ Type *MONITOR AMOUNT OF MAKE UP WATER*
36. Show location of any monitoring devices on map.
37. For what period(s) are monitoring records available. _____

38. What parameters are monitored for? _____
39. Is there any documentation of pollution effects? _____

LOCATION

40. Locate facility on ~~CIA~~ - map. (Attach map or copy of it to this form).
41. If scale of ~~geological~~ map is appropriate, locate any wells, ponds or other disposal areas on the map. If not include a sketch of pond and well locations below. Also locate any drainage patterns on the sketch.

King of Lead Mine (continued)

Dec. 6, 1963

Californai(Chiricahua) Distr., Cochise Co.

Field Engineers Report (continued)

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.

Axel L. Johnson

Review of Recent Operations Mr. Ralph Pursley started work at the mine on Sept. 20, 1962. With the exception of some help from his brother Joe, he did all the work himself. At first, he generally worked only on week ends, but, about 2 months ago, he started working full time.

Mr. Pursley is driving an adit in ore, along a limestone-quartzite contact, this adit now being in about 200 ft. Until now, he has used a slusher and a wheel barrow to move the ore from the breast to a stockpile outside the portal; but will now install mine track and a mine car.

The ore is hauled by truck to the A. S. & R. smelter at El Paso, Texas in 10 to 11 ton loads. Harry Smick of Dragoon has done the hauling for Mr. Pursley, charging \$ 150 for a 10 to 11 ton load. This is \$ 14 to \$ 15 per ton.

3 shipments, totaling about 30 tons have been shipped by Mr. Pursley. Note the assays of these shipments under "Ore Values" on page 1.

The first shipment made in April, 1963 required 100 shifts of work.

The second shipment made about August, 1963 required 50 shifts of work.

The last shipment made last month required 35 shifts of work.

Although the rate of production has gradually increased, it is still very low, resulting in high cost per ton mined. Installation of mine tracks and car, with the slusher dumping in the car, should materially increase the rate of production, if not too much hand sorting is required.

Additional

(1) Mr. Pursley states that the Rex Plomo claim has Copper, Silver, Gold ore along a shale-quartzite contact, and would like to get an OME Exploration loan on this claim. Field engineer gave him what information he had on the OME Exploration loan program, including application blanks.

(2) A mill to treat the low grade ore on the two dumps is being considered by Mr. Pursley. Mr. Pursley talks about upgrading this ore by means of screening and jigging.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine King of Lead

Date May 3, 1956

District Chiricahua District, Cochise Co.

Engineer Axel L. Johnson

Subject: Present Status.

Location NW side of Chiricahua Mts., 2 1/2 mi. W of Sugar Loaf Peak & 1 mile N. of Chiricahua National Monument.

Number of Claims 9 claims in all ----- 4 of these are patented.

Owner Howard C. Taylor, 230 Summit Ave., Buffalo, New York
(acc. to County Court House records)

Principal Minerals Lead, Zinc, and Silver.

TAYLOR, HOWARD C.
230 Summit Avenue
Buffalo, N. Y.

SEE: KING OF LEAD, Chiricahua District, Cochise County. 9 claims in all
4 patented. 5/3/56

King of Lead

June 20, 1945

Mr. Peter Windes
Dos Cabezas, Arizona

Dear Mr. Windes:

Enclosed is assay certificate of the samples I took of your property. The map I made shows clearly the points sampled.

Hoping this may be of some service to you, and with kindest regards, I am

Yours very truly,

Andrew Macfarlane
Field Engineer

AM:LP
Enc.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine King of Lead Group

Date June 14, 1945

District Cochise County

Engineer Andrew Macfarlane

Subject: Report

Property: Consists of 5 patented claims and 4 claims by location, all contiguous and situated on a northwest shoulder of the Chirachua Mountains approximately $2\frac{1}{2}$ miles west of Sugar Loaf Peak, bordering on the northeast portion of the Chirachua National Park within the Coronado National Forest, Cochise County, Arizona.

Owner: Mr. Peter Windes, a lookout employee of the Forest Service; mailing address being Dos Cabezas, Arizona.

Roads: Bowie, railway station, is by fair county and state road approximately 50 miles northerly from the mine. This would be the best and nearest rail loading point to the lead smelter at El Paso for carlot shipments.

Douglas ore buying agency and rail station is about 65 miles southerly from the King of Lead where less than carlots lead ores may be sold to agency.

From the National Park road an access road about 1-1/2 miles was graded up the east bank of a branch of Bonito Creek and this has a passable grade and terminates at the portal of the lower tunnel on the Queen of Sheba claim. Thus the mine is now provided with all truck transportation to shipping point.

History of Mine Operations: The King of Lead and Queen of Sheba mineralization, a complex ore occurrence, was discovered more than 30 years ago. Lead zinc ores formed in a portion of the croppings which extended up a steep hill along an easterly direction from a side gulch.

A tunnel driven easterly about 200 feet along the contact mineralization opened up small lenses of complex ores, also bunches and pay streaks of quite highgrade clean galena ores.

In all, approximately 10 carlots or 500 tons of these lead ores have been mined during past periods when lead price allowed a market. This ore came from the back of this tunnel and from underhand stopes below tunnel floor. These ores were packed down the mountain, a distance of about 6 miles, thence trucked to rail at Douglas or Willcox, as during the time the above production was made the Chiricahua Park roads and improvements were not in existence.

During the past few years only small lots of hand sorted high grade lead ores have been mined and sold to agency at Douglas, these sorted lots assaying from 50% to over 70% pb. and upwards of 100 ozs. ag per ton.

Mineralization: Occurred along a contact of dolomitic lime and a flow of gray rhyolite which, as it neared the lime, turned schistose. This contact, seen as part of the visible mineral casing, strikes easterly and dips towards the north at 55° or thereabouts.

Vein forming or structural elements are not very well defined in the lower tunnel which is about 75' vertically under the No. 1 tunnel, and no ore was found within these lower explorations until an upraise about 15' above the lower tunnel back encountered a small lead lenze extending downwards for a few feet from the underhand stope of tunnel No. 1.

The lead-zinc mineralization now visible occurs mostly 40 feet above back of the lower tunnel and carries up to cropping extending eastward in tunnel No. 1.

Faulting, directly affecting the mineral trend, is found in a porphoritic dyke cutting across the westerly strike of the contact vein. Also, there are evidences of flat or slight dipping formation on which the ore zone may rest and be cut in its expected downward deposition by a lime strata.

Development: Can be carried eastward through tunnel No. 1 extension, and short crosscuts therefrom. The ground area in this direction from portal of tunnel No. 1 affords favorable elements for the further finding of ores comparable to tunnel No. 1 mineralization exposed by the former workings.

The entire property is yet in a prospect stage due to so extensive explorations having been made through the lower tunnel some 30 to 40 feet beneath the ore bearing zone without discovery of commercial ores.

No. 180 De

Phoenix, Arizona,
June 19, 1945.

CHAS. A. DIEHL

ARIZONA ASSAY OFFICE

Mail: P. O. Box 1148

815 North First Street
DEPARTMENT OF MINERAL RESOURCES.

Phone 3-4001

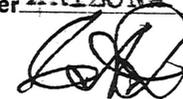
THIS CERTIFIES That samples submitted for assay by per Mr. A. MacFarlane. contain as follows per ton of 2000 lbs. Avoir.

MARKS	No.	SILVER		VALUE 71.7	GOLD		VALUE 35700	TOTAL VALUE Of Gold & Silver	PERCENTAGE			REMARKS	
		Ounces	Tenths		Ounces	Finest			LEAD	COPPER	ZINC		
Sheba	1	13.3		\$9.44	Trace				12.89				
King of Lead	2	2.2		\$1.56	.01		\$.35		4.63				
" " "	3	4.5		\$3.19					7.22				
" " "	4	28.2		\$20.02					24.00	.15	14.72		
									4 p. 74 12.				

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.

Charges \$ 9.75

Assayer ARIZONA ASSAY OFFICE



April 17, 1943

MEMORANDUM

Access Roads

TO: Sub-committee on Mining
Senate Small Business Committee
FROM: Department of Mineral Resources

I have received a memorandum from our field engineer, George A. Ballam, on the difficulties of an access road to the King of Lead Mine, Dos Cabezos Mining District, Cochise County, Arizona.

From this memorandum you will note that there are four estimates on the desired road which have been appraised at various amounts ranging from \$10,000 by the Forest Service to \$1,500 by the operator. From this wide range in appraisals of the cost of roads, it is self-evident that the type or class of road varies over too wide a range. The real desire of the operator is to have access to his property at a minimum cost to the Government. The operator can put up with a low class road until such time as his production warrants greater improvements.

With such discrepancies as are found in this memorandum, it is evident that a change in the access road program and procedure is absolutely necessary.

J. C. Campbell - Director

SUB-COMMITTEE ON MINING.
SENATE SMALL BUSINESS COMMITTEE

EVIDENCE SUBMITTED FOR RECORDS BY LETTER TO DEPARTMENT OF MINERAL RESOURCES

Through Department of Mineral Resources, Arizona

April 13, 1943

Mr. P. N. Windes, c/o Frank Fish, Dos Cabezas, informed me that some difficulty is being experienced in getting approval for one mile of road repair in to this property. The Forest Service appraised the job at \$10,000, the Bureau of Public Roads estimate was \$7,000, while the Bureau of Mines figure was \$3,000. Mr. Windes claims a road adequate for his purpose can be constructed with a dozer for \$1500.

This is a lead property, having shipped ore to El Paso. At present timbering and development work is under way - no shipments. The application for a road was entered last fall, but it seems to have gone astray. He requests a follow-up on it.

/s/ George. A. Ballan

COPY

April 13, 1943

DEPT. MINERAL RESOURCES
RECEIVED
APR 15 1943
PHOENIX

MEMORANDUM

Access road
King of Lead Mine
Dos Cabezas dist. C

To: Director, Dept. Mineral Resources
From: George A. Ballam

Mr. P. N. Windes, c/o Frank Fish, Dos Cabezas, informed me that some difficulty is being experienced in getting approval for one mile of road repair in to this property. The Forest Service appraised the job at \$10,000, The Bureau of Public Roads estimate was \$7,000, while the Bureau of Mines figure was \$3,000. Mr Windes claims a road adequate for his purpose can be constructed with a dozer for \$1500.

This is a lead property, having shipped ore to El Paso. At present timbering and development work is under way - no shipments. The application for a road was entered last fall, but it seems to have gone astray. He requests a follow-up on it.

George A. Ballam

*In the agency
various estimates*

10,000	Forest
7,000	Public Rd. Admin
3,000	Bureau of Mines
1,500	Owner

XXXXXXXXXXXXXXXXXX

518 Title & Trust Bldg.

March 31, 1942

Mr. P. N. Windes
C/o Frank Fish
Dos Cabezas, Arizona

Dear Mr. Windes:

I am enclosing a copy of Mine Owner's Report filed with the Department of Mineral Resources covering the KING OF LEAD MINE in Cochise County.

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, and with best wishes, I am

Yours very truly,

J. S. Coupal

JSC:LP
Enc.

Das Cabezas Ariz

Mar 23 1942

Mr Charles F. Willis
Dept. of Mineral Resources
Phoenix Ariz.

Dear Sir: -

Enclosed you will find
a Mine Owners Report on my group of
claims.

I hope it is what you wanted.
Thanking you very much for your
kind attention I remain

Yours very truly

P. H. Windes

Care of Frank Fish

Das Cabezas Ariz

ARIZONA DEPARTMENT OF HEALTH SERVICES
BUREAU OF WATER QUALITY CONTROL
WASTEWATER LAGOON FIELD INSPECTION CHECK LIST

Facility KING OF LEAD MINE System No. _____ NPDES No. _____
 Certified Operator/Grade _____ System Grade _____
 Inspected by ANDREW H. RENDERS Accompanied by TEO SCOTT Date 11-7-84

- A. GENERAL () NO DEFICIENCIES
1. () Collection system problems
 2. () Lagoon site maintenance inadqpt.
 3. () Equipment maintenance inadequate
 4. () Banks eroding
 5. () Banks not on 3:1 slope
 6. () Weeds overgrown on banks or pond
 7. () No fence or inadequate
 8. () Area not posted
 9. () Disposal _____

- B. CONTROL TEST RESULTS
1. () D.O. _____ ppm Location _____
 2. () Chlorine residual _____ ppm
 3. () Observed effluent quality _____
 4. () Flow rate _____

- C. LAGOONS () NO DEFICIENCIES
1. () Color _____
 2. () Water depth _____ ft.
 3. () Floating solids on surface
 4. () Short circuiting of wastewater
 5. () Operating level cannot be adjusted
 6. () Chemicals added _____
 7. () Cannot be operated in series and in parallel

- D. MECHANICAL AERATION () NO DEFICIENCIES
1. () No mechanical aeration
 2. () Operation Mode off on
 3. () Number of aerators _____
 4. () Air diffusers plugged

- E. CHLORINATION FACILITIES
NO DEFICIENCIES ()
- Solution _____ Gas _____
1. () Not chlorinating
 2. () Tank empty
 3. () Lines plugged
 4. () Facility not properly heated
 5. () Chlorine rm. not properly vented
 6. () Switch for exhaust fan not properly located
 7. () No glass window
 8. () No ammonia
 9. () No gas mask

- F. ROUTINE TESTS () NO DEFICIENCIES
1. () Inadequate lab. equipment
 2. () Control & flow tests not run
 3. () Commercial lab services _____

- G. OTHER
1. () Other treatment units(see below)
 2. () Cross-connections with potable water (see below)

- H. RECORDS AND SPARE PARTS
1. () No operation & Mntnce. manual
 2. () No spare parts available
 3. () No diagram of sewer system
 4. () No sewer ordinance
 5. () No sewer cleaning equipment
 6. () No log book or inadequate
 - 6.a.() No control test results
 - 6.b.() No maintenance records

Comments: LINCO POND USED FOR CYANIDE LEACH PROCESS.

42. Estimate the population in the approximate vicinity of the site. _____

_____ Groundwater not used for drinking water

Less than 5,000 people

_____ 5,000 - 50,000 people

_____ > 50,000 people

43. What is the land use in the vicinity?

_____ Rural/agricultural

_____ Light residential

_____ Heavy residential

_____ Industrial

Other FOREST LAND

SAMPLING

44. Take sample of materials in ponds, discharge points, wells, etc. where possible
List samples taken and conditions at time of sampling. _____

45. Photograph waste and equipment processes and conditions.

OTHER

46. What is source of drinking water in area? Are there alternate sources of drinki
water? If so, what are they. HAULED WATER

47. Other comments:

The mine and pond are at the apex of a watershed and its spring. The spring is a perennial one. I strongly recommended to the manager that the mine site be flood-proofed, as any quantity of surface runoff would wash out the cyanide laden pond, and its allied components. I also strongly urged that the mine site or pond area be fenced and signs posted. As a third precaution, I urged that a check dam or dike be constructed down stream from the pond, to retain any overflow or wash out of the cyanide pond. Prudence would dictate that any permit issued be subject to these conditions.

DEPARTMENT OF MINERAL & SOURCE
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine King of Lead Mine

Date Oct. 9, 1964

District California (Chiricahua Dist.) Cochise Co. Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Mr. & Mrs. Harvey Amalong.

References Report of Dec. 6, 1963

Owners Ralph A. Pursley, Dos Cabezas, Ariz. & Joe Pursley, brother.

Number of Claims 5 patented claims.

Principal Minerals Lead, Zinc, Silver, Gold, Copper

Present Activity Mine is now idle. Mr. Ralph Pursley is now reported to be prospecting on the claims, trying to find another ore vein that would be profitable to mine and ship.

Review of Recent Operations According to Mr. & Mrs. Harvey Amalong, parents of Mrs. Pursley, the last ore mined, after sampling, was found to be too low in grade to ship. Also it was reported that the rich ore stringers which was being mined, about 4 inches in thickness, diminished in width to a mere fraction of an inch.

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.

King of Lead Mine

Date Dec. 6, 1962

California (Chiricahua) Distr., Cochise Co. Engineer Axel L. Johnson

Field Engineers Report. Information from Ralph A. Pursley.

Location Approx. Sec. 18 - T 16 S -- R 30 E. Take Chiricahua Wonderland of Rocks road, driving east past the Chiricahua Monument Headquarters and the Camp Ground. About 3 miles east of the camp grounds, turn left on a mine road, and drive about 1 1/2 miles to the mine. The mine is at an elevation of about 6,500 ft.

Owners Ralph A. Pursley, Dos Cabezas, Arizona, and Joe Pursley (brother)
The mine is operated by Ralph Pursley.

Number of Claims 5 patented claims. These are Queen of Sheba, patented in 1905; and King of Lead, Rex Plomo, Amended New Haven, and Red Horse, patented in 1914.

Principal Minerals Lead, Zinc, Silver, Gold, and Copper.

Present Activity Driving an adit along a limestone-quartzite contact, handpicking the ore and shipping to the A. S. & R. smelter at El Paso.

Geology According to Mr. Pursley, the ore occurs along a limestone-quartzite contact. The mineralized area is about 40 ft. wide, with a 12 ft. horizon of good ore nearest the contact. In this ore horizon, there are rich veinlets and stringers of galena and sphalerite from 1 3/4 in. to 3 in. wide, the ore from these now being mined and sorted out for shipment.

Ore Values The 3 ore shipments contained the following ore values:
(1) 10.9 tons --- Silver -- 104.8 oz.; Lead -- 69 %; Gold -- 0.10 oz.; Zinc -- 1.1 %.
(2) 9.0 tons --- Silver -- 78.5 oz.; Lead -- 52.9 %; Gold -- 0.12 oz.; Zinc -- 2.4 %.
(3) 11 tons approx- Silver -- 26.0 oz.; Lead -- 25 %; Gold -- 0.04 oz.; Zinc -- 18.0 %
The first two were from smelter returns, and the last one was sampled by Mr. Pursley (no smelter returns as yet). The second shipment also ran 0.12 % Copper.

Milling & Marketing The ore is shipped direct to the A. S. & R. smelter at El Paso, Tex. There is no mill on the property.

Past History & Production
(1) 1 claim patented in 1905, and the remaining claims patented in 1914 by J. C. Riggs. 50 tons of ore shipped to El Paso smelter by J. C. Riggs about 1914.
(2) Sold by J. C. Riggs to Pete Wynds.
(3) Sold by Pete Wynds to ~~Joe C. Taylor~~ Howard C. Taylor.
(4) Sold by Howard C. Taylor to Ralph A. Pursley & Joe Pursley in 1960.
(5) Ralph A. Pursley started driving an adit along the boundary of the Queen of Sheba and King of Lead claims on Sept. 20, 1962.

Old Mine Workings
(1) 1 adit -- 300 ft. long
(2) 1 adit -- of unknown length (caved on)
(3) 1 adit -- 35 ft. long
(4) 1 vertical shaft -- 25 ft. deep (estimated)
(5) 1 vertical shaft -- 15 ft. deep
(6) 2 old mine dumps, with several thousand tons of mill tailings.

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES
MAKES NO REPRESENTATION AS TO THE ACCURACY
OF THE CONTENTS OF THESE DOCUMENTS.