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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: LEAD QUEEN MINE

ALTERNATE NAMES:
COCREHAM LEAD

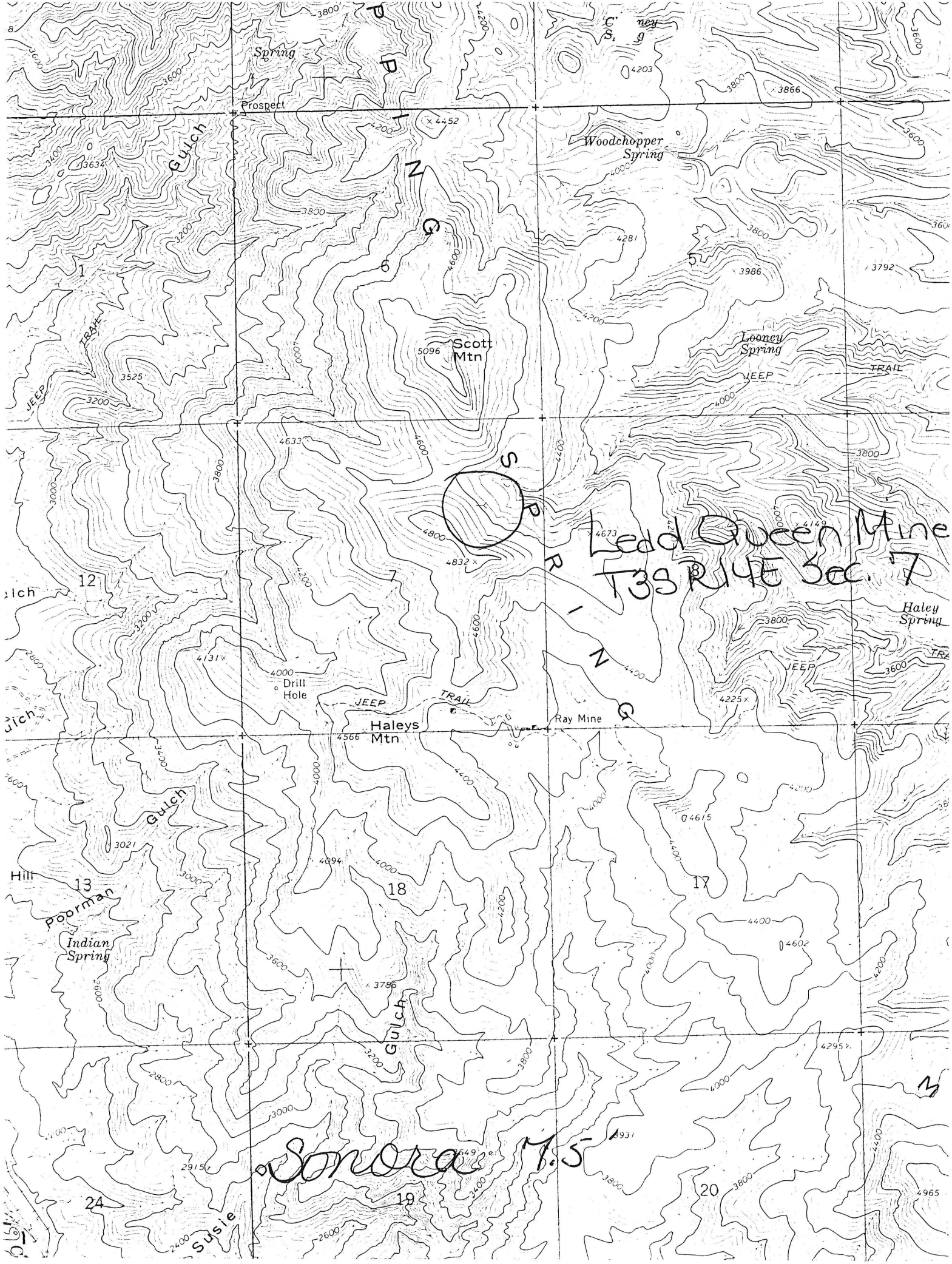
PINAL COUNTY MILS NUMBER: 130C

LOCATION: TOWNSHIP 3 S RANGE 14 E SECTION 7 QUARTER NE
LATITUDE: N 33DEG 11MIN 18SEC LONGITUDE: W 110DEG 57MIN 00SEC
TOPO MAP NAME: HOT TAMALE PEAK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
LEAD
GOLD
SILVER
COPPER

BIBLIOGRAPHY:
ADMMR LEAD QUEEN MINE FILE
USGS MAP GQ 1021
ADMMR U FILE PINAL PB12


Spring
Prospect
Gulch
Woodchopper Spring
Scott Mtn
5096
Looney Spring
JEEP
TRAIL
SPRING
Ledd Queen Mine
T3S R14E Sec. 7
Haley Spring
Drill Hole
Haleys Mtn
4566
Ray Mine
Hill
Poorman
Indian Spring
Susie
Sonora 15'
12
13
18
19
20
24
17

NAME OF COMPANY Cochran Brother

NAME OF MINE lead queen mine

(1) Production - January 1st to June 30, 1946, inclusive.

Producers shipping ore direct to smelters or to custom mills use Column No. 1; producers operating their own mill use Column No. 2.

COLUMN NO. 1					COLUMN NO. 2				
	Tons	% Cu	% Pb	% Zn		Tons	% Cu	% Pb	% Zn
Crude Ore	31½	0	17½	0	Copper Conc.				
					Lead Conc.				
					Zinc Conc.				

(2) Average Price Received for Metals in Above Production

This to be the total of the ceiling price plus premiums.

Copper ¢/lb. Conn. Valley as base
Lead 8½ ¢/lb. N.Y. as base
Zinc ¢/lb. East St. Louis as base

(3) What do you estimate your production would have been, January 1st to June 30, 1946, if the metal price had been:

Cu 14 3/8¢/lb. Conn. Valley; Lead 8.25¢/lb. N.Y.; Zinc 8.25¢/lb East St. Louis (with no premiums)

COLUMN NO. 1		COLUMN NO. 2	
Crude Ore Mine at 8.25¢ without premium to make it pay.	Tons	Copper Conc.	Tons
		Lead Conc.	Tons
		Zinc Conc.	Tons

(4) What do you estimate your production would have been, January 1st to June 30, 1946, if the metal prices had been:

Cu 16¢/lb. Conn. Valley; Lead 11¢/lb. N.Y.; Zinc 9.50¢/lb. East St. Louis (with no premiums)

COLUMN NO. 1		COLUMN NO. 2	
Crude Ore 180	Tons	Copper Conc.	Tons
		Lead Conc.	Tons
		Zinc Conc.	Tons

(5) If a metal Conservation Price Plan, similar to the present Premium Price Plan, were made permanent for at least five years,

(a) What would your yearly production of ore or concentrates be: 360 T
(b) Would such a plan cause you to expand your exploration-development program? If so, how much? $500.00
(c) What effect would such a plan have in increasing your ore reserves? 5000
(d) In view of low tariffs, how would such a plan promote a healthy mining industry?

NAME OF MINE: LEAD QUEEN
~~COCREHAM LEAD~~
OWNER: Steven & Richard Cocreham

COUNTY: Pinal
DISTRICT: Dripping Springs
METALS: Pb

Date:	OPERATOR AND ADDRESS
5/46	Steven & Richard Cocreham, Globe , Box 679

Date:	MINE STATUS
5/46	Dev. & shipping

#33 W.A.S 7-25-48

LEAD QUEEN 2 CLAIMS
ABOUT 1 MILE NORTH OF MOORES
STEVE COCREHAM OWNER
STRIKE EAST-WEST, NEARLY
VERTICAL
VEIN IS IN QUARTZITE AND IS
ABOUT 40' WIDE TRACEABLE ON
THE STRIKE FOR ABOUT ½ MILE
THE ENTIRE 40' IS REPORTED TO
RUN 8% P.B AND $2.20 AU.
HAS A GOOD ROAD TO PORTAL OF
TUNNEL, TUNNEL IS IN 100'
WITH SOME STOPS
COCREHAM SHIPPED 4 CARS
WHICH RETUNED THE ~~Following~~ FOLLOWING

PB 18% AU $7.92

PB 13.2% AU $3.72

PB 19% AU 4.20

PB 11% AU 1.91

ONE SAMPLE TAKEN FACE OF
TUNNEL IN ABOUT 50'

* GENERAL REFERENCES

REFERENCE 1 F1 < AOMR LEAD QUEE FI

REFERENCE 2 F2 < ABGMT-USGM FILE DATA

REFERENCE 3 F3 < USGS MAP GQ 1021, 1971.

REFERENCE 4 F4 <

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 <

*RECORD TYPE B20 <X,1,M,>

DEPOSIT NUMBER B40 <

REPORT DATE G1 <8,2,b,0,2,> YR. MO.

*INFORMATION SOURCE B30 <1,2,

+FILE LINK IDENT. B50 <USGM-004021

REPORTER(SUPERVISOR) G2 < LARABA, PETER (last, first, middle initial) (GEST, DON (last, first, middle initial)

REPORTER AFFILIATION G5 < ABGMT

*SITE NAME A10 < LEAD QUEEN MINE

SYNONYMS A11 < COCREHAM LEAD

LOCATION

MINING DISTRICT/AREA A30 < MINERAL CREEK DISTRICT

*COUNTY A60 < PINAL

*STATE A50 <A,Z,>

*COUNTRY A40 <U,S,>

PHYSIOGRAPHIC PROV A63 <1,2,b,

*DRAINAGE AREA A62 <1,5,0,5,0,1,0,0,b,

*LAND STATUS A64 <3,0,b, b,(1,9,7,9,)

*QUADRANGLE NAME A90 < SONORA (1,9,6,4,)

*QUADRANGLE SCALE A100 <2,4,0,0,0,

SECOND QUAD NAME A92 < ( )

SECOND QUAD SCALE A91 <

*ELEVATION A107 <4,6,0,0,b,F,T,>

UTM

*NORTHING A120 <3,6,7,1,9,7,0,>

*EASTING A130 <5,0,4,6,6,0,>

*ZONE NUMBER A110 <+,1,2,>

*ACCURACY

ACCURATE ACC (circle) QUARTER

ESTIMATED (EST) < AOIT IN NE ~~SE~~ , SECTION 7 ASSUMED

GEODETIC

+LATITUDE A70 < - - N,>

+LONGITUDE A80 < - - W,>

CADASTRAL

*TOWNSHIP(S) A77 <0,3,S,

*RANGE(S) A78 <0,1,4,E,

*SECTION(S) A79 < 7

*SECTION FRACTION(S) A76 < NE

*MERIDIAN(S) A81 < GILA AND SALT RIVER

*POSITION FROM NEAREST PROMINENT LOCALITY A82 < 1/4 MILE SOUTH OF SCOTT MOUNTAIN

*LOCATION COMMENTS A83 < ~~TRUCK TRAIL NOTED~~ 3 MILES E. OF RAY

* ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10: P,B, A,M, U
*ORE MINERALS C30: GALENA, NATIVE SILVER
COMMODITY SUBTYPES C41:
*GEN. ANALYTICAL DATA C43:
COM. INFO. COMMENTS C50:

* SIGNIFICANCE

		PRODUCER	NON-PRODUCER	
MAJOR PRODUCTS	MAJOR	P,B, A,M,	MAIN COMMODITIES PRESENT	C11
MINOR PRODUCTS	MINOR	A,G, C,U,	MINOR COMMODITIES PRESENT	C12
POTENTIAL PRODUCTS	POTEN			
OCCURRENCES	OCCUR		OCCURRENCES	OCCUR

*PRODUCTION

PRODUCER	NON-PRODUCER
PRODUCTION (YES) (circle) PRODUCTION SIZE (SML) MED LGE (circle one)	PRODUCTION UND NO (circle one)

EXPLORATION OR DEVELOPMENT

*STATUS

PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20: 4	STATUS AND ACTIVITY A20:

*DISCOVERER L20:
*YEAR OF DISCOVERY L10: *NATURE OF DISCOVERY L30: *YEAR OF FIRST PRODUCTION L40: 1946 *YEAR OF LAST PRODUCTION L45: 1950
*PRESENT/LAST OWNER A12:
*PRESENT/LAST OPERATOR A13: STEVE COCRE NAM, 1948
EXPL./DEV. COMMENTS L110: 2 UNPATENTED CLAIMS

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40: VEIN
DEPOSIT FORM/SHAPE M10: TABULAR

*DEPTH TO TOP	M20		*UNITS M21		*MAXIMUM LENGTH M40		*UNITS M41	
*DEPTH TO BOTTOM	M30		*UNITS M31		*MAXIMUM WIDTH M50	40	*UNITS M51	FT
*DEPOSIT SIZE	M15 (SMALL) M15 MEDIUM M15 LARGE (circle one)				*MAXIMUM THICKNESS M60	600	*UNITS M61	FT
*STRIKE	M70	EW TO ESE			*DIP M80	VERTICAL		
*DIRECTION OF PLUNGE	M100				*PLUNGE M90			

DEP. DESC. COMMENTS M110:

DESCRIPTION OF WORKINGS

*Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one)

*DEPTH BELOW SURFACE	M160	*UNITS M161	*OVERALL LENGTH M190		*UNITS M191	
*LENGTH OF WORKINGS	M170	*UNITS M171	*OVERALL WIDTH M200		*UNITS M201	
			*OVERALL AREA M210		*UNITS M211	

DESC. OF WORK. COM. M220: DRIFT AND STOPES, TUNNEL IS 100 FT, STOPING 30 FT ON EITHER SIDE OF TUNNEL

GEOLOGY

*AGE OF HOST ROCK(S) K1: P,R,E,C,
*HOST ROCK TYPE(S) K1A: QUARTZITE
*AGE OF IGNEOUS ROCK(S) K2:
*IGNEOUS ROCK TYPE(S) K2A:
*AGE OF MINERALIZATION K3: L,C,R,E,T,-,T,E,R,T,
*PERT. MINERALS (NOT ORE) K4:
*ORE CONTROL/LOCUS K5: ALONG BEDDING PLANES, TROY QUARTZITE, NEAR FAULT
*MAJ. REG. TRENDS/STRUCT. N5:
*TECTONIC SETTING N15:
*SIGNIFICANT LOCAL STRUCT. N70: FAULT ESE TRENDING, DIPS 70 N, BEDDING SE TO ESE, DIP 20 SW
*SIGNIFICANT ALTERATION N75:
*PROCESS OF CONC./ENRICH. N80:
*FORMATION AGE N30: P,R,E,C,
*FORMATION NAME N30A: TROY QUARTZITE
SECOND FM AGE N35:
SECOND FM NAME N35A:
*IGNEOUS UNIT AGE N50:
*IGNEOUS UNIT NAME N50A:
SECOND IG. UNIT AGE N55:
SECOND IG. UNIT NAME N55A:
GEOLOGY COMMENTS N85: MINERALIZATION AGE AND OVERALL GEOLOGIC SETTING SIMILAR TO RAY SILVER LEAD MINE, 3/4 MILE SOUTH.

GENERAL COMMENTS

GENERAL COMMENTS GEN:

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

Date: Aug 4, 1948

1. Mine: Lead Queen
2. Location: Sec. ..... Twp. 3 S Range 14 E Nearest Town Globe
   Distance 35 Direction N/E Road Condition Fair except last 3M which is poor.
3. Mining District & County: Dripping Springs — Pinal
4. Former Name of Mine: .....
5. Owner: .....
   Address: .....
6. Operator: Steve Cochran
   Address: Box 679 Globe, Ariz
7. Principal Minerals: Pb.
8. Number of Claims: 2 Lode ✓ Placer .....
   Patented ..... Unpatented ✓
9. Type of Surrounding Terrain: Rough

10. Geology & Mineralization: Mineralization along bedding planes of Troy Quartzite ~~&~~ about 10' either side of fault. Fault is vertical striking N 10° W. Quartzite dips 10° W.

11. Dimension & Value of Ore Body: Ore ~~is~~ pocket near portal has been mined with exception of pillars. Narrow vein of low grade is face along fault zone. Suggest driving drift along fault as the possibilities of picking up another ~~ledge~~ pocket of ore are good.

12. Ore "Blocked Out" or "In Sight": one

Ore Probable: Might be developed along fault.

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts		
Raises		
Tunnels 1		good
Crosscuts		
Stopes 1	1	good. ~~p~~ room & pillar

14. Water Supply: None.

15. Brief History: No information on past. Small mill once on property.

Sample in face - gave Pb 0.10% - Au 0.01 g - Ag 0.20 g

16. Signature: Visited by Manning & Wolcott 1975

17. If Property for Sale, List Approximate Price and Terms:

Lead Queen Arizona Gila Co

LEAD QUEEN
Mineral Creek Mining District
~~Gila County~~, Arizona.
PINAL CO.
Owner: Steve Cocreham POB 679 Globe, Arizona.

The Lead Queen is situated 8 miles westerly from the Dripping Springs Ranch near the top of the divide between the Dripping Springs Wash and Ray. It is about 3 miles in a direct line from Ray. It is reached via the Dripping Springs wash by a poor road to within 1 1/2 miles of the mine and the remaining distance by trail.

Development consists of an open cut and tunnel about 50 feet in length, a 10 foot winze below the tunnel from which about 50 feet of drifting and cross-cutting has been done, and several shallow surface cuts.

Geology:

The formation in the vicinity of the mine is quartzite which is believed to be the Troy quartzite of Cambrian age. The quartzite beds strike north to northeast and dip 15° south 200 feet east of the tunnel. 400 feet west of the tunnel the beds dip 30° south. The tunnel appears to be near thetrough of a gentle anticlinal roll trending E-W and plunging to the south and there appears to have been some flexing of the beds which has caused shearing and crushing of the quartzite.

The tunnel follows this shear zone which strikes E-W and dips 65° N. The quartzite is severely crushed over a width of 12 feet exposes in the open cut and the shattering appears to entend 20 feet or more in width beyond the tunnel to the north as indicated by sparse surface outcrops. The quartzite is highly mineralized along a poorly defined fissure which forms the footwall of the crushed zone for about 6 feet in width with lead carbonate, limonite, manganese stain and a little wolfrenite. Apersistent streak of lead carbonate occurs next to the fissure about 3 feet in width altho at intervals it makes 6 to 8 feet into the hanging side. A small amount of mineralization occurs throut the breccia zone as far as it is exposed.

The breccia zone could not be traced on the surface due to coverage but about 600 feet west of the tunnela massise quartzite was observed striking N 85 W, dipping 60 N which showed iron stain. A sample taken across 15 feet of this outcrop gave the following assay results: Au .002 - Ag 0.1 - Pb 0.2%.

Summary:

Several cars of ore have been shipped from the present cut. Only the record of the last car shipped by Cocreham is available. 31 1/2 tons - Gold $9.00 - lead 18%.

A sample of the rejects after sorting remained on the dump which constitutes all the material removed from the last 25 feet of the tunnel. A grab of this material ran Au .08, Ag 0.4, Pb 5.9%. A sample of the best ore ran Au 0.64, Ag 1.3, Pb 30% estd. A constant ratioi of gold of 50¢ to each 1 percent of lead is shown in all the samples.

Work from the winze appeared to be all in the foot-wall and was insufficient to determine if the shattering in the quartzite continues downward or is confined to the upper horizon.

The showing is too small to be of interest at this stage. However further knowledge of this deposit should be gained by a more extensive study of the district. This or a similiar structure in the underlying Mescal limestone could make an important orebody. The Ray Silver-Lead Mine lies less than a mile southwest from the Queen where considerable production has come from the upper Paleozoic sediments.

The district as a whole is recommended for further study in the course of which more can be learned about the Queen deposit.

December 1946.

Edwin A. Stone

2 unpat claims

DEPARTMENT OF MINERAL RESOURCES

News Items C.A. 450

Date 3-4-48

Mine Lead Queen

Location

Owner Sh. S 60° W

Address D. P. [illegible] 800

S.E. fault

Operating Co.

Address Mineralization

in [illegible]

Pres. 10 & 15' [illegible]

Genl. Mgr. [illegible] fault

Mine Supt.

Mill Supt. Drift in 100'

Principal Metals [illegible] stope

Men Employed [illegible] drift

Production Rate [illegible]

Mill, Type & Capacity gouged out

R & L [illegible] 50' &

Power, Amt. & Type 80'.

Sample #1 600

Signed 4' below

[illegible] drift

(Over)

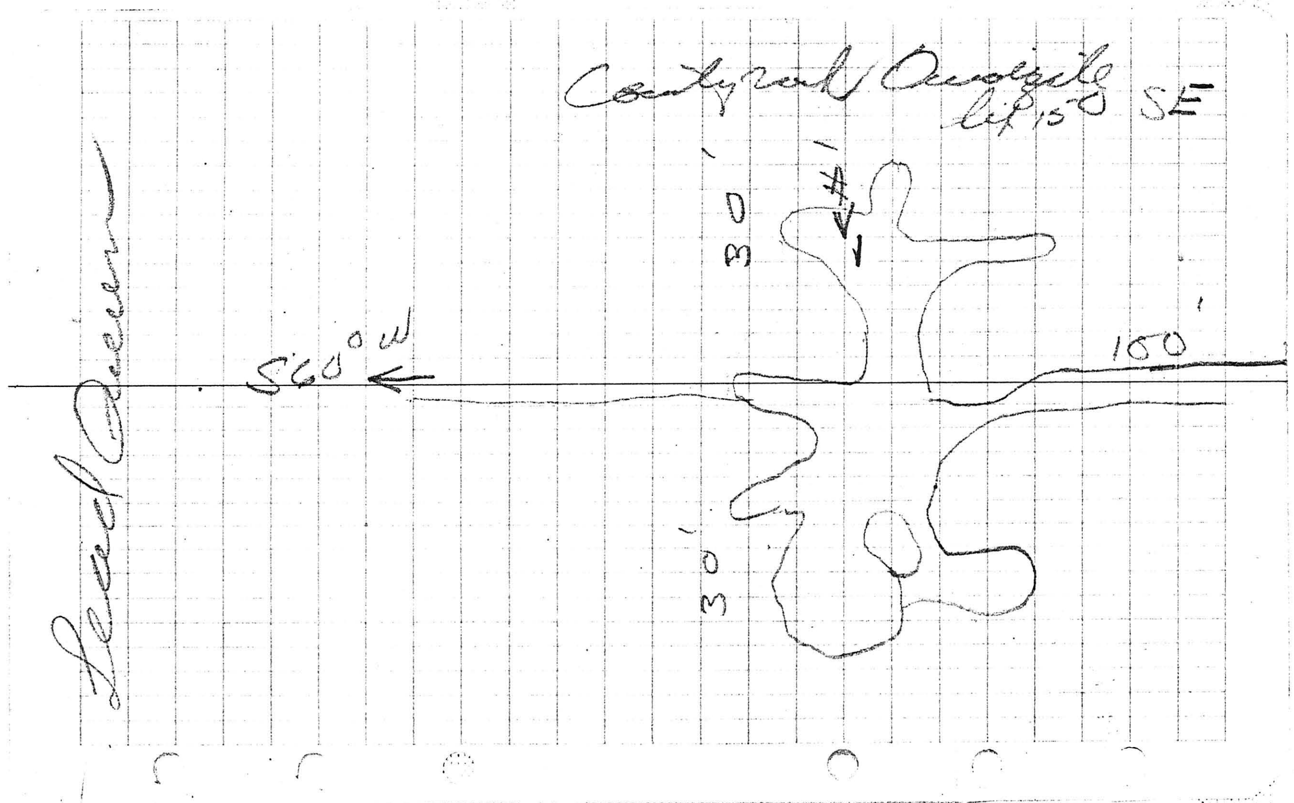
Pre[illegible] Operations

dip 60°

Strike ~~[illegible]~~ S 50° W

New Work Planned

Miscl. Notes


SE
#1
30'
160'
30'
S60°W