



## **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](mailto:inquiries@azgs.az.gov)

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09/10/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SEIN FEIN

ALTERNATE NAMES:

LUNDQUIST  
TORNADO  
SINN FEIN

GRAHAM COUNTY MILS NUMBER: 154C

LOCATION: TOWNSHIP 5 S RANGE 20 E SECTION 19 QUARTER S2  
LATITUDE: N 32DEG 58MIN 40SEC LONGITUDE: W 110DEG 20MIN 24SEC  
TOPO MAP NAME: COBRE GRANDE MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD SULFIDE  
COPPER SULFIDE  
SILVER  
GOLD

BIBLIOGRAPHY:

ADMMR SEIN FEIN MINE FILE  
SEE ADMMR HEAD CENTER FILE  
SEE ADMMR FAR MINING ENTERPRISES FILE  
SEE ADMMR GRAND REEF FILE  
SEE ADMMR BRUSHY GROUP FILE  
SEE ADMMR ARAVAIPA DIST. GEOLOGY FILE  
SEE ADMMR ARAVAIPA DIST. LEAD-ZINC DPTS. FILE  
ADMMR U FILE GRAHAM PB-03  
DENTON, T.C., ARAVAIPA LEAD ZINC DEPOSITS  
RI 4007, 1947, P. 4  
USGS PP. 461, GEOLOGY OF THE KLONDYKE QUAD,  
1964, P. 141  
AZBM BULL. 156, AZ ZINC AND LEAD DEPOSITS  
PART 1, 1950, P. 58-59  
ELSING & HEINEMAN, AZ METAL PRODUCTION,  
AZBM BULL. 140, 1936, P. 93

SEIN FEIN MINE

GRAHAM COUNTY

Mining World Jan. 1958 p. 85

Emerald Isle Mine (file) ? *Could not find Sein Fein in this file*

SEIN SEIN, NELLIE & NELLIE BLY

Pb, Zn, Ag, Au, Cu

Graham

5 - 2

T 6 S, R 19 E

'42

Lon Rutledge, Klondyke

MINES - SEIN SEIN,  
NELLIE &  
NELLIE BLY GROUP  
Aravaipa District,  
Graham County

\* HARWOOD INC., OWNER  
Phoenix, Ariz.

Mrs. G. Carlton Harwood  
1521 W. Wilshire Dr - Phoenix

MEMO - 12-12-51

DEPARTMENT OF MINERAL RESOURCES

News Items

Date May 8, 1947

Mine Sein Fein

Location

Owner L. O. Rutledge

Address 8 unpatented

no water

Operating Co. Haul "7 miles

Address 2 1/2 vein Galena

P6 Ag Au

Pres. tunnel 300' El.

Genl. Mgr. Stopped to grass roots

Mine Supt. wing 35' deep.

Mill Supt. in ore. but not

Principal Metals as good as tunnel

Men Employed Contact vein

Production Rate H W per day

Mill, Type & Capacity FW Line

strike N-S Dip SE

Power, Amt. & Type 750

Good

Signed

L-1

keep  
not file?  
Sinn Fein file

USGS Bul. 763 - p. 88

K 082

MINE SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

(Do not write  
in this space)

(Wrap each specimen separately, or place it in a substantial  
bag, by itself, with a number attached, identical with the  
number on this card.)

Ore \_\_\_\_\_

Cabinet \_\_\_\_\_

No. \_\_\_\_\_

Specimen No. 32 ✓, collected by Newton Wolcott

Field Engineer

4/5-40

Name of ore Lead, silver, molybdenum

Operator Lon Rutledge

Minerals contained Cerussite, wulfenite

Mine active or inactive Inactive

and probably cerargyrite.

If inactive, when operated Not recently

Gangue Calcite and quartz

Specimen presented by Lon Rutledge

Depth at which taken 50 foot level

Date April 5, 1940.

Approximate mineral content (in terms of  
average per ton) \_\_\_\_\_

Notes (Any general information regarding  
the history of the property.) \_\_\_\_\_

Assay value not known.

This property has produced considerable lead-

Name of mine or claim Sinn Fein

silver ore; but no attempt has ever been made

Group Sinn Fein

to recover the large amount of wulfenite as

District Aravaipa

a separate product. Located in early days by

Location (distance and direction by high-  
way from what town) 2 Mi. NE from Aravaipa

Thomas Finnegan.

Owner of property Lon Rutledge

If more space is desired for notes, use  
other side.

11.0 x 9.0 x 8.0

116 808

13 March 1942

Mr. L. G. Hales,  
Duncan, Arizona.

My dear Mr. Hales:

I am enclosing herewith a copy of mine owner's report filed with this department covering the SMIN SMIN, NELLIE AND NELLIE BLY GROUP located in the Aravaipa Mining District, Graham County, Arizona.

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,

Charles F. Willis  
Chairman, Board of Governors

CFW-jrf  
encl.

CC-Lon Rutledge

SEIN FEIN MINE

GRAHAM COUNTY

Mine Visit to the Sein Fein mine - no activity. GWI WR 4-8-67

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Mine visit to Sein Fein mine - not operating. GWI WR 2-14-70

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Asarco ore purchasing department reports that Sein Fein shipped 17 tons last year.  
GWI WR 5-7-70

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The Sein Fein mine in the Aravaipa district is being operated by Ray Pointer, Route 1, Box 874, Safford, Arizona, 85546. Mr. Pointer said he had 8 unpatented lode claims under lease and option. He has been driving an adit on weekends on a vein 18" to 36" wide. He plans to take a large sample of ore containing lead, zinc, copper, gold and silver to the Tonto Mining and Milling Co. for testing. VBD WR 9/26/75

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Newspaper Clipping - 9-23-47

Some good showings of lead-silver ore have been uncovered by Raymond Pointer while drifting off a winze in the Sein Fein mine  $3\frac{1}{2}$  miles northwest of Aravaipa. Pointer and G. C. Harwood, Phoenix, and E. H. Lundquist, Phoenix mining engineer, are leasing the property. Lon Rutledge of Aravaipa owns the eight patented claims.

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Elton J. Kidd has sold his store at Klondyke and moved to Safford. ALJ 5-5-60

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Mr. Raymond Pointer, 1619 1st Ave., Safford, stated that he together with an estate, owns the Harwood Group of 8 unpatented claims, containing lead and silver near Aravaipa. (This was also called Sein Fein Mine). He is now doing the annual assessment work on the claims by repairing the collar of the Junction shaft. Field engineer will send him a copy of our Mine Owners Report to fill out re Harwood Group of claims. Sent April 13, 1964. ALJ Conf. Safford 4-8-64

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Mr. Raymond Pointer talked with engineer for one hour about his property in the Aravaipa district. He explained that since 1948 the mine (Sein Fein) had produced about  $\frac{1}{2}$  million dollars in gold. The zinc was not paid for. He wanted to get a loan to develop additional orebodies. The engineer explained the loans and where obtained, but suggested that it might be better to lease or sell if a good operator could be found. Mr. Pointer would be interested in selling. There is no ore in sight, but Mr. Pointer, who operated the property believes that there is a good possibility of developing fairly substantial reserves. GWI Conf. Safford 10-6-65

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LEAD-ZINC QUESTIONNAIRE

October 7 1957.

Do you approve of the Emergency Lead-Zinc Committee's seeking relief for the lead-zinc industry and has it your authorization to speak for you? yes.

What Arizona Mines and Mills in the lead-zinc class do you control?

(1) Lein Fein Mine Clondyke Ariz

(2) \_\_\_\_\_

Which ones are operating? (1) Lein Fein (2) \_\_\_\_\_

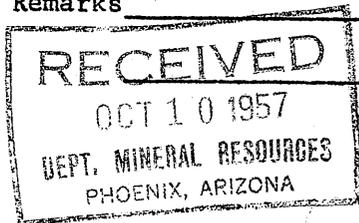
If not operating, when shut down? (1) \_\_\_\_\_ (2) \_\_\_\_\_

Number employed, prior to shut-down, in mine, mill or sections thereof producing lead or zinc ores? (1) \_\_\_\_\_ (2) \_\_\_\_\_

Number so employed on January 1, 1957? (1) \_\_\_\_\_ (2) \_\_\_\_\_

Number so employed on October 1, 1957? (1) 6 men (2) \_\_\_\_\_

Remarks \_\_\_\_\_



Lein Fein  
Company

By: Elton Kidd  
Signature Clondyke Ariz

Please fill in NOW, tear off, and mail to:

Arizona Department of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, Arizona

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date 9/6/65

1. Mine: Sem fein

2. Location: Sec. Twp. Range. Nearest Town Aravaipa Distance

Direction. Nearest R.R. CORA Distance

Road Conditions good Grave'

3. Mining District and County: Aravaipa

4. Former Name of Mine:

5. Owner: R. A. Pointer & Mrs G. C. Harwood

Address: Rt 1 Thunderbird, Safford Ariz

6. Operator: Same

Address: Same

7. Principal Minerals:

8. Number of Claims: Lode 8 Patented Unpatented 8

Placer Patented Unpatented

9. Type of Surrounding Terrain: Mountainous

10. Geology and Mineralization: Veins in altered Physlite

11. Dimension and Value of Ore Body: Part ore body's 30" wide 500' long (Mine 500' down dip)

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": None

Ore Probable: unknown

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts <u>1</u>		
Raises <u>Several</u>		
Tunnels <u>Drifts</u>	<u>on vein</u>	
Crosscuts <u>Some</u>		
Stopes <u>Mined</u>	<u>out between 525</u>	<u>&amp; surface</u>

14. Water Supply: Have to haul

15. Brief History: Started by owners in 1948

16. Remarks: Grossed approx \$450,000

SHIPPING RECORD

15% Pb    2.02 Ag    1 1/2% Cu    # 6-7 in Au

some zinc

17. If Property for Sale, List Approximate Price and Terms: \$500 Min.

10% Net    Buy out \$80000

18. Signature: Signed by (Raymond Painter)

8

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Seim Fein Mine

Date Nov. 6, 1957

District Aravaipa District, Graham Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Robert C. Bates, Geologist & Explor. Engr.

References Report of Sept. 5, 1957 and previous reports.

Location Near Aravaipa, Ariz.

Number of Claims 8. Some reported to be patented.

Owners Harwood, Inc., Phoenix, Ariz.

Lessees & Operators Balboa Mining and Development Co., P. O. Box 861, Grand Junction, Colo. The Balboa Mining & Development Co. are successors to the Cordillera Mining Co., reported as the lessees in previous reports.

Robert C. Bates is the Mining Engineer and Exploration Engineer for the company. Elton J. Kidd, Klondyke, Ariz. is the Mine Manager.

Principal Minerals Lead and Zinc, with about 3 parts of Zinc to one part of Lead. The 8th and 9th level drifts now being explored are almost all sulphides.

Present Mining Activity Exploration work. Now drifting on the 9th level. 6 men working, day shift only. Two headings, one on the 8th level & one on the 9th level.

Geology & Mineralization Fissure vein in rhyolite (or could be quartz latite or latite porphyry), along a thrust fault. It is the same structure as the Head Center Mine of the Athletic Mining Co. Mineralized part of the vein appears to be narrower than at the Head Center Mine. Mr. Bates reports it as being from 3 inches to 6 ft. in width. The main fault runs approx due E & W. and dips 32 degrees to the north. There is considerable cross faulting, which Mr. Bates reports as post mineral.

Ore Values See report of April 4, 1957.

Milling & Marketing Facilities See report of Sept. 5, 1957.

Mine Workings

- (1) One main inclined shaft (incl. 32 deg) ---- 650 ft. deep on the incl.
- (2) 9th Level (600 ft. deep on incl. below the collar) ----- 100 ft. west
- (3) 8th Level (550 ft. deep on incl. below the collar) ----- 180 ft. west and 220 to 250 ft. east of shaft. Drifting on the ore structure.
- (4) A number of levels above the 8th level, where most of the past production has come from. Shipping grade ore from these upper levels is reported to have been mined out.

Proposed Plans Mr. Bates reports that the company is considering strongly on closing down operations, with Nov. 15th set as the tentative date for closing. This will depend, to some extent, on what is found on the 9th level drifting in the next few days. It will also depend, to a great extent, on the interpretation of the geological findings on the exploration work that has been done.

Mr. Bates reports that the present appropriations made for exploration work on the Seim Fein Mine will be used up by Nov. 15th. New appropriations will be made, only if the company thinks it is warranted by information obtained to date.

A D. N. E. A. loan for further exploration of the property is also being considered by the company.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Sein Fein Mine

Date Sept. 5, 1957

District Aravaipa District, Graham County

Engineer Axel L. Johnson

Subject: Present Status. Information from Elton Kidd, Mine Mgr., and personal visit.

References Reports of April 4, 1957, and June 5, 1957.

Location Near Aravaipa, Ariz.

Number of Claims 8. Some reported to be patented.

Owners Harwood Inc., Phoenix, Ariz.

Lessees and Operators Cordillera Mining Co., Grand Junction, Colo.  
Jim Martiny, Manager, Grand Junction, Colo.  
Elton J. Kidd, Mine Manager, Klondyke, Ariz.  
Bob Bates, Mining Engineer and Geologist.

Principal Minerals Lead and Zinc, with about 3 parts of Zinc to 1 part of Lead.  
Ore on the 8th level, now being worked is almost all sulphides.

Present Mining Activity Exploration work. Now drifting on the 8th level. 6 men working. Day shift only. Two headings.

Geology and Mineralization Fissure vein in rhyolite. Vein is about 5 ft. wide, which is, at present, only partly mineralized.

Ore Values See report of April 4, 1957.

Milling and Marketing Facilities No mill on the property. Arrangements may be made to have the ore mined at the property trucked to the Athletic Mill at Klondyke for milling.

Mine Workings (1) One main inclined shaft (inclined about 32 degrees) ----- 650 ft. deep on the incline. (Incline for about 50 ft. near the top of the shaft is 45 deg.)  
(2) 8th Level, where drifting is now progressing. About 260 ft. of drift on the east side of the shaft. Also another 160 ft. of drift on the west side of the shaft.  
(3) A number of levels above the 8th level, where most of the past production has come from. Most of the shipping grade ore from these upper levels reported to be mined out.

Present Mining Operations Since last report (June 5, 1957) the main shaft was sunk an additional 50 ft. down to the 650 ft. level. No drifting was done on this level, as the vein either pinched out or faulted. Instead, drifting was resumed on the 8th or 600 ft. level. Drifting is being conducted in both directions from the shaft (east and west). Mr. Kidd reports that the vein is now partly mineralized.

Proposed Plans Will depend on the success of present exploration activities, and the decision of the management of the Cordillera Mining Co.

Past History See report of April 4, 1957.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Not for publication

Mine **Sein Fein Mine** Date ~~xxxx~~ **June 5, 1957**  
District **Aravaipa District, Graham County** Engineer **Axel L. Johnson**  
Subject: **Present Status. Information from Elton Kidd, Mine Manager. Not visited.**

References Report of April 4, 1957.

Location Near Aravaipa.

Number of Claims 8

Owners Harwood Inc., Phoenix, Ariz.

Lessees & Operators Cordillera Mining Co., Grand Junction, Colo.  
Jim Martin, Manager, Grand Junction, Colo.  
Elton Kidd, Mine Manager, Klondyke, Ariz.

Principal Minerals Lead and zinc, with lead predominating. Bottom levels almost all sulphides.

Present Mining Activity Sinking shaft. Present 600 ft. shaft now being sunk to the 650 ft. level. 4 men working at present.

Ore Values See report of April 4, 1957.

Milling & Marketing Facilities See report of April 4, 1957.

Mine Workings See report of April 4, 1957.

Present Mining Operations Shaft sinking, with 4 men working.

Proposed Plans Operators plan to sink the present 600 ft. shaft down to a depth of 650 ft. Will probably drift on the ore fissure on the 650 ft. level. This will depend on orders received from the head office at Grand Junction, Colo.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Sein Fein Mine Date April 4, 1957  
District Aravaipa District, Graham Co. Engineer Axel L. Johnson  
Subject: Present Status. Information from Elton Kidd, Mine Manager on visit to mine.

Location Near Aravaipa.

Number of Claims 8

Owners Harwood, Inc., Phoenix, Ariz.

Lessees & Operators Cordillera Mining Co., Grand Junction, Colo.  
Jim Martin, Manager, Grand Jct., Colo.  
Elton Kidd, Mine Manager, Klondyke, Ariz.

Principal Minerals Lead and Zinc, with lead predominating. On the upper levels, the ore was a mixture of carbonates and sulphides. Elton Kidd reports that the ore on the 8th level, where they now are working is almost all sulphides. (8th lev. = 600' ?)

Present Mining Activity Exploration and development. Drifting now on <sup>small</sup> ore fissure. 3 men working one shift.

Ore Values Mr. Kidd reports that the ore now runs about 16 % lead and 14 % zinc, with almost all sulphides. Previous reports on the ore value was 15 % Lead, and 5 % Zinc. (See report of June 16, 1955.)

Milling and Marketing Facilities No mill on the property. Athletic Mining Co. has a mill at Klondyke. Arrangements may be made to have the ore milled at the Athletic mill.

Mine Workings (1) One main inclined shaft (inclined about 45 degrees) -- 600 ft. deep on the incline.  
(2) A number of levels above the 8th level, where most of the shipping grade ore has been worked out.

Present Mining Operations Operators are drifting from the shaft on the 8th level in an ore fissure. This work was started about one month ago. More details will be presented after field engineer has a chance to go underground to examine same.

Proposed Plans Operators propose to sink the inclined shaft about 100 ft. deeper (from the 600 to the 700 ft. level.) 800-900

Past History (1) Leased by Dean Nicholson and operated by him intermittently between 1951 and late 1955. In 1951, production was about 100 tons per month, trucked to Cork Siding and shipped to the A. S. & R. smelter. Later, in 1955, my reports show that production was resumed after being closed down for some time. Additional shaft sinking was also done in 1955, from June to October.

(2) Closed down about Nov. 15, 1955 on account of the head frame, hoist house and ore bin burning up. Lease by Nicholson cancelled some time after that.

(3) Leased to present lessees and operators recently.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Sein Fein Mine Date June 16, 1955.  
District Aravaipa District, Graham Co. Engineer Axel L. Johnson  
Subject: Mine Report. Information from Elton J. Kidd, Klondyke Store, Klondyke.

Location Near Aravaipa.

Number of Claims 8

Owners Harwood, Inc., Phoenix, Ariz.

Lessee and Operator Dean Nicholson, Klondyke, Ariz.

Principal Minerals Lead and zinc, but principally lead. The ore is a mixture of carbonates and sulphides.

Number of Men Employed 2 (one or two<sup>add.</sup> men to be put on later on)

Production Rate No production yet. Operators have been working on the property only a few days so far.

Ore Values Approximately 15 % lead, and 5 % zinc.

Ore in Sight None.

Marketing Facilities Ore produced will be trucked to Cork Siding, then shipped to the A. S. & R. smelter at El Paso, Texas.

Present Operations Operator is getting ready to resume mining operations. A compressor is being moved in. The shaft is being repaired, and some of the drifts are being cleaned out, preparatory to production.

Proposed Plan Operator plans to sink the present shaft an additional 100' or so.

NICHOLSON, DEAN,  
Klondyke, Ariz.

LESSEE & OPER. - SEIN FEIN MINE, Graham Co. 6-16-55  
OWNER: HARWOOD, INC., Phoenix, (Mrs. G. Carlton Harwood, 1521 W.  
Wilsire Dr., Phoenix, Ariz.)

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Seim Fein Mine Date June 16, 1955.  
District Aravaipa District, Graham Co. Engineer Axel L. Johnson  
Subject: Mine Report. Information from Elton J. Kidd, Klondyke Store, Klondyke.

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Ore Values Approximately 15 % lead, and 5 % zinc.

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Marketing Facilities Ore produced will be trucked to Cork Siding, then shipped to the A. S. & R. smelter at El Paso, Texas.

Present Operations Operator is getting ready to resume mining operations. A compressor is being moved in. The shaft is being repaired, and some of the drifts are being cleaned out, preparatory to production.

Proposed Plans Operator plans to sink the present shaft an additional 100' or so.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

NEWS ITEM

Mine Sein Fein Mine

Date Dec. 12, 1951

District Aravaipa District

Engineer Axel L. Johnson

Subject: News Item-- Source of Information-- Dean Nicholson

Location Near Aravaipa.

Number of Claims 8

Owners Harwood Inc., Phoenix, Ariz.

Operator Dean Nicholson, leasing from owners.

Metals Present Lead, with a little zinc. A mixture of oxides and sulphides.

Men Employed 4 men (day shift only)

Production Rate 2 to 3 carloads per month-- 100 tons per month-- 4 tons per day.

Marketing Facilities Hauls ore by truck to Gork Siding, and ships the ore to American Smelting and Refining Co., at El Paso, Texas.

Ore Values Operator would not make a statement on same.

Present Operations Stopping ore from 350 ft. level.

Sinking shaft deeper--- from the 350 to the 425 ft. level.

Sinking is done with 2 men part time.

## DEPARTMENT OF MINERAL RESOURCES

State of Arizona  
MINE OWNER'S REPORT

Date: January 5, 1942

1. Mine: SEIN SEIN, NELLIE & NELLIE BLY GROUP
2. Location: 1½ miles northeast of Aravaipa, Arizona  
12 miles N. of Klondyke, Arizona.
3. Mining District & County: Aravaipa Mining District, Graham County, Arizona.
4. Former Name: Sein Sein - 8 claims
5. Owner: Lon Rutledge
6. Address (Owner): Klondyke, Arizona.
7. Bond & Lease: L. G. Hales, et al
8. Address: Duncan, Arizona.
9. President, Owning Co:
- 9A. President, Operating Co:
10. Gen. Mgr: L. G. Hales  
Duncan, Arizona.
14. Principal Minerals: Lead, Zinc, Silver, Gold and Copper.
- \* 11. Mine Supt: P. D. Mann and Tom Nations
15. Production Rate:
12. Mill Supt:
16. Mill - Type & Cap:
13. Men Employed: Three leasers and one man employed.
17. Power - Amt. & Type.
18. Operations - Present: Installing small compressor; cleaning out old workings and mining ores on Sein Sein No. 1. Also mining and sorting dump on Big Prince Claim; doing development work on Nellie No. 1.
19. Operations - Planned: Sinking three shafts, developing ore bodies; building and road repairs; ore bins and shipping ore mined from such work.
20. Number Claims, Title, Etc: 9 claims in Sein Sein Group (one new location, which is the Big Prince No. 2). 8 claims held by assessment work by location - Lon Rutledge, Klondyke, Arizona.  
(17 claims)  
8 new locations - note Map - Nellie and Nellie Bly. Work being done on this group.
21. Description - Topography & Geology: Located 12 miles north of Klondyke, Arizona, in Graham County; southeast side of Horse Mountain - joins the old Aravaipa Mining Co. on the west, north and south; one mile north of Old Co. millsite and buildings.
22. Mine workings - Amt. & Condition: Most all workings are old, but are in fairly good condition - needs some timbering and repairs, but will not cost very much. Probably 600 feet of tunneling, stoping winze and shafts on Sein Sein No. 1; about 200 feet open cuts and winzes on Big Prince; and about 40 ft. drift on Sein Sein No. 2.

(over)

23. Geology & Mineralization: Porphyry and rhyolite and very large lime capping. These veins run NW-SE directions, dipping to north under Horse Mountain, which seems to be the apex to whole country and the south and east side is very heavily mineralized with several of these ore outcrops.
24. Ore - Positive & Probable, Ore Dumps, Tailings: There is about 4 or 5 cars of ore blocked out in tunnel on the Sein Sein No. 1, and on north vein it is estimated there is about the same amount stripped on surface; one car mined out on Big Prince; about two cars in sight on Lead & Zinc Nellie No. 1.
- 24A. Dimensions and Value of Ore body: These veins run about 3 feet wide to 5 feet with a high grade on the hanging walls which is an average of 18 in. high grade. Most of the samples so far in these run better than \$20.00. There is quite a lot of good grade molybdate, according to tests, in Sein Sein dump
25. Mine, Mill Equipment & Flow-Sheet: None.
26. Road Conditions, Route: Have good dirt roads from Willcox, Arizona, and from Pima, Arizona. Loading station Cork, 16 miles west of Pima; 44 miles truck haul to Cork from mine. We have about one mile of road in canyon that is not very good, which we intend working soon.
27. Water Supply: Small spring on Sein Sein above box in canyon; dam could be built to store a lot of water. There is lots of water in Aravaipa Creek about 5 or 6 miles. I believe water will be developed in mine on either workings in wash.
28. Brief History: These claims have been mined and prospected and ore shipped or hauled by wagon and truck for many years. First work done in 1872, according to old history. It seems the zinc is what held this country back from the frist discovery.
29. Special Problems, Reports Filed: Money for machinery suitable for developing ore bodies; sinking shafts; buildings, testing plant; transportation of ores to mills or smelters.
30. Remarks: High freight rates, truck hauling, transportation to markets buying these ores at present.
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C O P Y

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State of Arizona  
MINE OWNER'S REPORT

Date: January 5, 1942

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12. Mill Supt:
16. Mill - Type & Cap:
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PHOSPHATE & RHYOLITE

23. Geology & Mineralization

Line Caping these <sup>veins</sup> into N.W. & E. directions, dipping to North under Horse Mountain which <sup>seems</sup> to be the apex to whole country and the South and east side is very heavily mineralized with several of these ore

24. Ore: Positive & Probable, Ore Dumps, Tailings

there is about 4 or 5 cars of ore blocked out in tunnel on the <sup>outcrop</sup> vein no. 1, and on north vein it is estimated there is about the same amount stripped on surface one car mined out on Big Prince, about

24A. Dimensions and Value of Ore body

two cars in sight on Lead zinc Nellie No. 1, these veins run about 3 foot wide to 5 feet with a high grade on the hanging walls which is an average of 18 in high grade most of the <sup>sampled so far</sup> in these rare rare better than \$2000 across vein

25. Mine, Mill Equipment & Flow-Sheet

NONE

there is quite a lot of molybdate in vein vein according to test of a good grade

26. Road Conditions, Route

Have good dirt roads from Wilcox, Arizona and from Pima Ariz. Loading Station Cork 16 miles west of Pima - 44 miles Truck haul to cork from <sup>mine</sup> we have about one mile in canyon

27. Water Supply

that not good - intend working soon, small spring on Sim vein above Box in canyon down could be built to strong a lot of water there is lots of water in Arwaife creek about 5 or six miles I believe water will be developed in Mine

28. Brief History

at shallow depth on either workings in Wash these claims have mined and prospected and ore shipped or hauled by wag and truck for many years first work done in 1872 according to old history it seems the zinc is what held this country back from the

29. Special Problems, Reports Filed

first discovery money for machinery suitable for developing ore bodies sinking shafts building testing plant transportation of ore to <sup>to</sup> milling or smelters

30. Remarks

High freight rates truck hauling transportation to markets buying these <sup>ore</sup> at present

31. If property for sale: Price, terms and address to negotiate.

will sell to right buyer. Bond & Lease, on straight cash and terms depends on how long buyer would want. monthly payment for <sup>no</sup> guarantee of good faith. Royalties applied to purchase price \$6000

32. Signature

will handle deal Bal could be arranged Royalties \$10,000 2 yrs Bal run 10 yrs in equal payments semi-annually. Price \$90,000

708 PHX 1 & 1110

23. Geology & Mineralization

Pbr, heavy & Pyralite and very large and outcrop  
Lime Caping, these <sup>veins</sup> run N.W. & E. directions, dipping to North under  
Horse Mountain which <sup>seems</sup> to be the apex to whole County, and the  
South and east side is very heavily mineralized with several of these ore

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According to test of a good grade

26. Road Conditions, Route

Have good dirt roads from Wilcox, Arizona and from Pima  
City Loading Station Cork 16 miles west of Pima - 44 miles  
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old history it seems the zinc is what held this country back from the

29. Special Problems, Reports Filed

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money for machinery suitable for developing ore bodies sinking  
shafts building testing plant transportation of ore to milling  
or smelters

30. Remarks

High freight rates truck hauling transportation to markets  
buying these <sup>ore</sup> at present

31. If property for sale: Price, terms and address to negotiate.

will sell to right buyer, Bond & Lease, on straight cash and terms  
depends on how long buyer would want. monthly pay ment for  
no guarantee of good faith. Royalties applied to purchase price \$6,000

32. Signature

will handle deal Bal could be changed Royalt  
\$10,000 2 yrs Bal run 10 yrs in equal payments  
similantly. Price \$90,000

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

Date 7/5/39

Mine Sein Fein

District Aravaipa

Location 1 1/2 miles northeast of Aravaipa  
in Williamson Canyon

Former name

Owner Lon Rutledge

Address Klondyke, Arizona

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Lead, zinc, gold, silver

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present No active operations other than recent development

Operations Planned Plan to continue development

Number Claims, Title, etc. 8 unpatented

Description: Topog. & Geog. Rugged, mountainous

Mine Workings: Amt. & Condition

Approximately 540 ft. of tunnels  
Various open cuts and assessment holes  
All accessible

Geology & Mineralization Several veins on or close to contact between limestone and porphyry. Veins vary in width from 4 to 8 feet. Ore occurs both as carbonate and sulphide of lead & zinc with values also in gold and silver.

Ore: Positive & Probable, Ore Dumps, Tailings No estimate of tonnage possible, but ore in sight in 4' vein and other undeveloped veins

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route Fair road across property. Take only road north out of Aravaipa and go up Williamson Canyon almost to Head Center mine.

Water Supply Could be easily developed

Brief History Lots of ore shipped from this ground when the Aravaipa mill was running

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

This property is for sale. See or write  
Lon Rutledge,  
Box 4,  
Klondyke, Arizona

Signed..... Lon Rutledge

Use additional sheets if necessary.

2/

**DEPARTMENT OF MINERAL RESOURCES**  
**STATE OF ARIZONA**  
**OWNERS MINE REPORT**

Date 7/5/39

Mine *Sain Fein*

District *Avanico*

Former name —

Owner *Lon Rutledge*

Operator

President

Mine Supt.

Principal Metals *Lead, zinc, gold, silver*

Production Rate —

Power: Amt. & Type

Operations: Present  
*No active operations other than recent development*

Operations Planned  
*Plan to continue development*

Number Claims, Title, etc.  
*8 Unpatented*

Description: Topog. & Geog.  
*Rugged, mountainous*

Mine Workings: Amt. & Condition  
*Approximately 340 ft. of tunnels  
various open cuts and assessment holes.  
All accessible*

(over)

**Geology & Mineralization** Several veins on or close to contact between limestone and porphyry. Veins vary in width from 4 to 8 feet. One occurs both as carbonate and sulphide of lead & zinc with values also in gold and silver.

**Ore: Positive & Probable, Ore Dumps, Tailings**  
No estimate of tonnage possible, but ore in sight in at vein and in other undeveloped veins.

**Mine, Mill Equipment & Flow Sheet**

**Road Conditions, Route** Fair road across property. Take only road north out of Aravaipa and go up Williams Canyon almost to Head Center Mine.

**Water Supply**  
Could be easily developed

**Brief History** Lots of ore shipped from this ground when the Aravaipa mill was running.

**Special Problems, Reports Filed**

**Remarks**

If property for sale: Price, terms and address to negotiate.

This Property is for sale. See or write  
Lou Rutledge  
Box 4  
Klondyke Ariz

Signed Lou Rutledge

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

~~FIELD ENGINEERS REPORT~~

NEWS ITEM

Mine **Sein Fein Mine**

Date **Dec. 12, 1951**

District **Aravaipa District**

Engineer **Axel L. Johnson**

Subject: **News Item-- Source of Information-- Dean Nicholson**

Location **Near Aravaipa**

Number of Claims **8**

Owners **Harwood Inc., Phoenix, Ariz.**

Operator **Dean Nicholson, leasing from owners.**

Metals Present **Lead, with a little zinc . A mixture of oxides and sulphides.**

Men Employed **4 men (day shift only)**

Production Rate **2 to 3 carloads per month-- 100 tons per month-- 4 tons per day.**

Marketing Facilities **Hauls ore by truck to Cork Siding, and ships the ore to American Smelting and Refining Co., at El Paso, Texas.**

Ore Values **Operator would not make a statement on same.**

Present Operations **Stoping ore from 350 ft. level.  
Sinking shaft deeper--- from the 350 to the 425 ft. level.  
Sinking is done with 2 men part time.**

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date May 9, 1946

- 1. Mine: Sein Sein
- 2. Location: Sec..... Twp..... Range..... Nearest Town Klondyke  
Distance 15 Direction N Road Condition Good
- 3. Mining District & County: GRAVAPPA
- 4. Former Name of Mine: .....
- 5. Owner: Lon Rutledge  
Address: .....
- 6. Operator: .....
- Address: .....
- 7. Principal Minerals: .....
- 8. Number of Claims:..... Lode..... Placer.....  
Patented ..... Unpatented .....
- 9. Type of Surrounding Terrain:.....  
.....  
.....
- 10. Geology & Mineralization:.....  
.....  
.....
- 11. Dimension & Value of Ore Body: 4' wide Dip 80° E  
.....  
.....  
.....  
.....

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

Ore Probable:

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....	200	Fair
Crosscuts.....		
Stopes.....		

14. Water Supply:

None

15. Brief History:

16. Signature:

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

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

Date: January 5, 1942

1. Mine: SEIN SEIN, NELLIE & NELLIE BLY GROUP
2. Location: 1½ miles northeast of Aravaipa, Arizona  
12 miles N. of Klondyke, Arizona.
3. Mining District & County: Aravaipa Mining District, Graham County, Arizona.
4. Former Name: Sein Sein - 8 claims
5. Owner: Lon Rutledge
6. Address (Owner): Klondyke, Arizona.
7. Bond & Lease: L. G. Hales, et al
8. Address: Duncan, Arizona.
9. President, Owning Co:
- 9A. President, Operating Co:
10. Gen. Mgr: L. G. Hales  
Duncan, Arizona.
14. Principal Minerals: Lead, Zinc, Silver, Gold and Copper.
- ✓ 11. Mine Supt: P. D. Mann and Tom Nations
15. Production Rate:
12. Mill Supt:
16. Mill - Type & Cap:
13. Men Employed: Three leasers and one man employed.
17. Power - Amt. & Type.
18. Operations - Present: Installing small compressor; cleaning out old workings and mining ores on Sein Sein No. 1. Also mining and sorting dump on Big Prince Claim; doing development work on Nellie No. 1.
19. Operations - Planned: Sinking three shafts, developing ore bodies; building and road repairs; ore bins and shipping ore mined from such work.
20. Number Claims, Title, Etc: 9 claims in Sein Sein Group (one new location, which is the Big Prince No. 2). 8 claims held by assessment work by location - Lon Rutledge, Klondyke, Arizona.  
(17 claims)  
8 new locations - note Map - Nellie and Nellie Bly. Work being done on this group.
21. Description - Topography & Geology: Located 12 miles north of Klondyke, Arizona, in Graham County; southeast side of Horse Mountain - joins the old Aravaipa Mining Co. on the west, north and south; one mile north of Old Co. millsite and buildings.
22. Mine workings - Amt. & Condition: Most all workings are old, but are in fairly good condition - needs some timbering and repairs, but will not cost very much. Probably 600 feet of tunneling, stoping winze and shafts on Sein Sein No. 1; about 200 feet open cuts and winzes on Big Prince; and about 40 ft. drift on Sein Sein No. 2.

(over)

23. Geology & Mineralization: Porphyry and rhyolite and very large lime capping. These veins run NW-SE directions, dipping to north under Horse Mountain, which seems to be the apex to whole country and the south and east side is very heavily mineralized with several of these ore outcrops.
24. Ore - Positive & Probable, Ore Dumps, Tailings: There is about 4 or 5 cars of ore blocked out in tunnel on the Sein Sein No. 1, and on north vein it is estimated there is about the same amount stripped on surface; one car mined out on Big Prince; about two cars in sight on Lead & Zinc Nellie No. 1.
- 24A. Dimensions and Value of Ore body: These veins run about 3 feet wide to 5 feet with a high grade on the hanging walls which is an average of 18 in. high grade. Most of the samples so far in these run better than \$20.00. There is quite a lot of good grade molybdate, according to tests, in Sein Sein dump
25. Mine, Mill Equipment & Flow-Sheet: None.
26. Road Conditions, Route: Have good dirt roads from Willcox, Arizona, and from Pima, Arizona. Loading station Cork, 16 miles west of Pima; 44 miles truck haul to Cork from mine. We have about one mile of road in canyon that is not very good, which we intend working soon.
27. Water Supply: Small spring on Sein Sein above box in canyon; dam could be built to store a lot of water. There is lots of water in Aravaipa Creek about 5 or 6 miles. I believe water will be developed in mine on either workings in wash.
28. Brief History: These claims have been mined and prospected and ore shipped or hauled by wagon and truck for many years. First work done in 1872, according to old history. It seems the zinc is what held this country back from the frist discovery.
29. Special Problems, Reports Filed: Money for machinery suitable for developing ore bodies; sinking shafts; buildings, testing plant; transportation of ores to mills or smelters.
30. Remarks: High freight rates, truck hauling, transportation to markets buying these ores at present.
31. If property for sale - Price, terms and address to negotiate: Will sell to right buyer, Bond and Lease, on straight cash and terms depends on how long buyer would want. Monthly payments for six months guarantee of good faith. Royalties applied to purchase price. \$6,000.00 will handle deal, balance could be arranged. Royalties \$10,000.00 two years; balance run 10 years in equal payments semi-annually. Price \$90,000.00.
32. Signature: (Signed) LON RUTLEDGE  
Klondyke, Arizona

C O P Y

OWNERS: Hales, Nation and Mann

This is a rough description of location and name of mining property located in the Aravaipa Mining District, adjoining the Aravaipa Mining Company, Graham County, Arizona.

We hold bond and option on eight claims in the Sein Sein Group adjoining the Aravaipa mining claims on the west, north and south. The workings are mostly old. We have been cleaning out some of them and doing road work mostly and locating additional claims; making at present seventeen claims in the group. We have made some dump assays on the property also the vein matter which ran very good on the Prince. The dump assayed an average of \$14.95 - Hawley & Hawley, Douglas, Arizona and one sample from 4 ft. wide ran \$48.55. Another on high grade, stored on dump, ran \$114.22. Another sample, cut by men working, assayed for silver and gold only, ran \$14.95. We also had sample cut in high grade that ran 0.10 gold, 28.4 oz. silver, 28.9% lead and 8.1% copper, trace in zinc. This ore is at or near the top of a very steep mountain; probably 400 feet above the other workings on same vein that shows in creek bottom. Probably 2,000 feet from the Big Prince. This vein crosses the creek on Sein Sein No. 1 (note on map). Outcrops of high grade silver, gold and lead on the surface contacting north vein where there has been shipped some high grade ores, around \$40.00 on old price and where we have been cleaning out an old shaft sunk in 1872 by W. C. Birdwell, who was chief of scouts at San Carlos, Arizona, according to old history.

We find some very rich ore on the dump and about 18 in. of high grade on the hanging wall. A sample last week 3 foot wide by men working there, ran \$53.00 gold, silver and lead. I have men leasing on this claim at present, just across our line some 60 feet or more. The company sank a winze about 70 feet which is in high grade lead and zinc. This vein has been stripped about 1500 feet along on both head centers and the Sein Sein No. 1 and a lot of high grade ore has been shipped from these workings.

The deepest shaft close to this is Iron Cap. I understand it is over 400 feet in depth, showing an enormous body of lead and zinc ores at that depth. According to people that mined this part of the country, the high grade gold, silver, lead and copper is near the surface although we find in the Big Prince vein \$23.30 gold, 15 oz. silver, 15% lead values of one load of ore of  $4\frac{1}{2}$  tons shipped to Hawley & Hawley, Douglas, Arizona. All these last workings have roads to them and loading platforms.

The Big Prince is a pack mule job or some kind of tramway to handle the ores mined from it. We have mule trails built there and a car of ore ready to pack. We have some new locations of carbonate lead, zinc, silver and gold of nine claims that we have built some roads to and is easy to get to. There is one vein about 2,000 feet, outcrops with ore assaying from \$4.00 up to high grade. Have large veins, two in particular, which are about 10 feet wide, partly broken on top. Has one old shaft about 80 feet in depth which shows some high grade ore on dump, probably 4 tons. Timbers and ladders are in bad shape. There is an open cut of about 40 feet long and 8 feet wide. All this ore is mill ore. This is a very well defined ledge and has the best of surface showing. Just about 300 feet to the south, is a parallel vein about 15 feet wide where it is opened up. We sampled an old pile left on the dump of carbonate ores which assayed 16% lead, 18% zinc, \$3.00 silver and 26¢ gold. This test was made at Duncan, Arizona. We sent the other sample to Coffeyville, Kansas, and got the same assay for lead and zinc. They do not assay for the other metals. They sent us a contract to sign, offering us \$3.00 per 100 lbs. metal values and it was a fine lead and zinc ores and easily handled. (This offer was at old prices.) We could not get a railroad rate of less than \$10.28 per ton.

There is another vein 100 feet to the south with a shaft of about 100 foot depth, showing a great deal of ore. The ore pile on the dump, some 30 or 40 tons, assays

OWNERS: Hales, Nation and Mann.

This is a rough description of location and name of mining property, located in the Arivipi Mining District, adjoining the Arivipi Mining Company, Graham County, Arizona.

We hold bond and option on eight claims in the Sein Sein Group adjoining the Arivipi mining claims on the West, North and South. The workings are mostly old. We have been cleaning out some of them and doing road work mostly and locating additional claims; making at present, ~~several~~ claims in the group. We have made some dump assays on the property also the vein matter which ran very good on the Prince. The dump assayed an average of \$14.95 Hawly and Hawly, Douglas, Arizona, one sample from 4 ft. wide ran \$48.55. Another on high grade, stored on dump, ran \$114.22. Another sample cut by men working, assayed for silver and gold only, ran \$14.95; gold 2.2 silver. We also had sample cut in high grade that ran 0.10 gold, 28.4 oz. silver, 28.9% lead and 8.19% copper, trace in zinc. This ore is at or near the top of a very steep mountain; probably 400 foot above the other workings on same vein that shows in creek bottom. Probably 2000 feet from the Big Prince. This vein crosses the creek on Sein Sein No. 1 (note on map). Out crops of high grade silver, gold and lead on the surface contacting North vein where there has been shipped some high grade ores, around \$40.00 on Old Prince and where we have been cleaning out an old shaft sunk in 1872 by W. C. Birdwell, who was chief of scouts at San Carlos, Arizona, according to old history.

We find some very rich ore on the dump and about 18 in. of high grade on the hanging wall. A sample last week 3 foot wide by men working there, ran \$53.00 gold, silver and lead. I have men leasing on this claim at present just across our line some 60 feet or more. The company sank a winz about 70 feet which is in high grade lead and zinc. This vein has been stripped about 1500 feet along on both head centers and the Sein Sein No. 1 and a lot of high grade ore has been shipped from these workings.

The deepest shaft close to this is Iron Cap. I understand it is over 400 foot in depth, showing an enormous body of lead and zinc ores at that depth. According to people that mined this part of the country, the high grade gold, silver, lead and copper is near the surface although we find in the Big Prince vein \$23.30 gold, 15 oz. Silver, 15% lead values of one load of ore of 4 1/2 tons shipped to Hawly and Hawly, Douglas, Arizona. All these last workings have roads to them and loading platforms.

The Big Prince is a pack mule job or some kind of tramway to handle the ores mined from it. We have mule trails built there and a car of ore ready to pack. We have some new locations of ~~C. D. Birdwell~~ lead, zinc, silver and gold of nine claims that we have built some roads to and is easy to get to. There is one vein about 2000 feet, out crops

*new location*

*one 1/2 mile S.E. From SEIN SEIN*

with ore assaying from \$4.00 up to high grade. Have large veins, two in particular, which are about 10 feet wide, partly broken on top. Has one old shaft about 80 foot in depth which shows some high grade ore on dump, probably 4 tons. Timbers and ladders are in bad shape. There is an open cut of about 40 feet long and 8 feet wide. All this ore is mill ore. This is a very well defined ledge and has the best of surface showing. Just about 300 feet to the South, is a parallel vein about 15 feet wide where it is opened up. We sampled an old pile left on the dump of ~~ores~~ ores which assayed 16% lead, 18% zinc, \$3.00 silver and 26¢ gold. This test was made at Duncan, Arizona. We sent the other sample to Coffeerville, Kansas and got the same assay for lead and zinc. They do not assay for the other metals. They sent us a contract to sign, offering us \$3.50 per 100 lbs. metal values and it was a fine lead and zinc ores and easily handled. We could not get a railroad rate of less than \$10.28 per ton.

*This offer was at old prices.*

There is another vein 100 foot to the South with a shaft of about 100 foot depth, showing a great deal of ore. The ore pile on the dump, some 30 or 40 tons, assays \$16.00 in lead, silver and a small amount of zinc. Shaft is in good shape, well timbered and good ladders. Has small gallows frame, read to ore pile. Just West of this is what seems to be a big blowout or ore shoot. The ground has been stripped for about 20 by 40 feet and seems to be all ore. Has large boulders of purple quartz that resembles florine quartz.

Driving tunnel on either vein in East side of Horse Mountain, 100 feet would make about 200 feet of stoping ore. Another 200 foot driven from old tunnel, would give at least another 500 foot stoping ground to the surface. This old tunnel would need some timbering. There is possibly five cars of ore blocked out in old stopes. There is a track and ore car. Loading platform ready to operate. The mountains on both sides of the creek are very steep and rocky.

*NOTE ON MAP SEIN SEIN N.T.*

The general formation of this country is porphy and royalite with a line capping that shows at various points. One mill is being installed at the present time by a different party to handle custom ores which I presume will be completed at a very early date. The

*Time of the mill being installed*

old Arivapa mining company is figuring on installing their own mill which will be completed this summer. This fact is not confirmed only second hand information from party supposed to know

All liquidation sheets and statement sheets of ores that were shipped from this location in the early days are in the possession of the Arivapa mining company. I believe they could be obtained from Mr. Gus Clappitt, who is superintendent in charge, located at Klondike, Arizona. The nearest route to these mines is up through Arivapa canyon via Klondike. At present, ~~three~~ *one man working* men leasing.

I hope this is the information that you needed. Whereas, I will be able to forward any other necessary information.

*By first of month*

*this is a report made by man checking over my*

*reports at mine with intentions to leasing some*

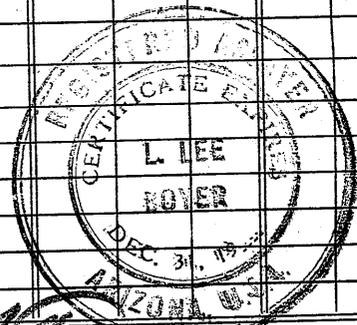
*of the working into about what exists on the ground*

# SUPERIOR ASSAY OFFICE And Ore Testing Laboratory

MEMORANDUM OF ASSAY

Made for Newton Walcott Superior, Arizona 5/2 19 40

SAMPLE NO.	PER TON of 2000 POUNDS AVOIRDUPOIS								COPPER			LEAD			TOTAL	
	GOLD				SILVER				at Per Lb.			at Per Lb.				
	at Ounces	100's	Dollars	Cents	at Ounces	100's	Dollars	Cents	Per Cent	Dollars	Cents	Per Cent	Dollars	Cents	Dollars	Cents
1		02			360							525				
<u>Arizona Tunnel - Iron Riddle</u>																



NO. \_\_\_\_\_  
 CHARGE \$           

By L. Lee Boyer Assayer.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

Date 7/5/39

Mine Sein Fein

District Aravaipa

Location 1 1/2 miles northeast of Aravaipa  
in Williamson Canyon

Former name

Owner Lon Rutledge

Address Klondyke, Arizona

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Lead, zinc, gold, silver

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present No active operations other than recent development

Operations Planned Plan to continue development

Number Claims, Title, etc. 8 unpatented

Description: Topog. & Geog. Rugged, mountainous

Mine Workings: Amt. & Condition

Approximately 340 ft. of tunnels  
Various open cuts and assessment holes  
All accessible

(over)

**Geology & Mineralization** Several veins on or close to contact between limestone and porphyry. Veins vary in width from 4 to 8 feet. Ore occurs both as carbonate and sulphide of lead & zinc with values also in gold and silver.

**Ore: Positive & Probable, Ore Dumps, Tailings** No estimate of tonnage possible, but ore in sight in 4' vein and other undeveloped veins

**Mine, Mill Equipment & Flow Sheet**

**Road Conditions, Route** Fair road across property. Take only road north out of Aravaipa and go Williamson Canyon almost to Head Center mine.

**Water Supply** Could be easily developed

**Brief History** Lots of ore shipped from this ground when the Aravaipa mill was running

**Special Problems, Reports Filed**

**Remarks**

**If property for sale: Price, terms and address to negotiate.**

This property is for sale. See or write  
Lon Rutledge,  
Box 4,  
Klondyke, Arizona

Signed.....Lon Rutledge.....

Use additional sheets if necessary.

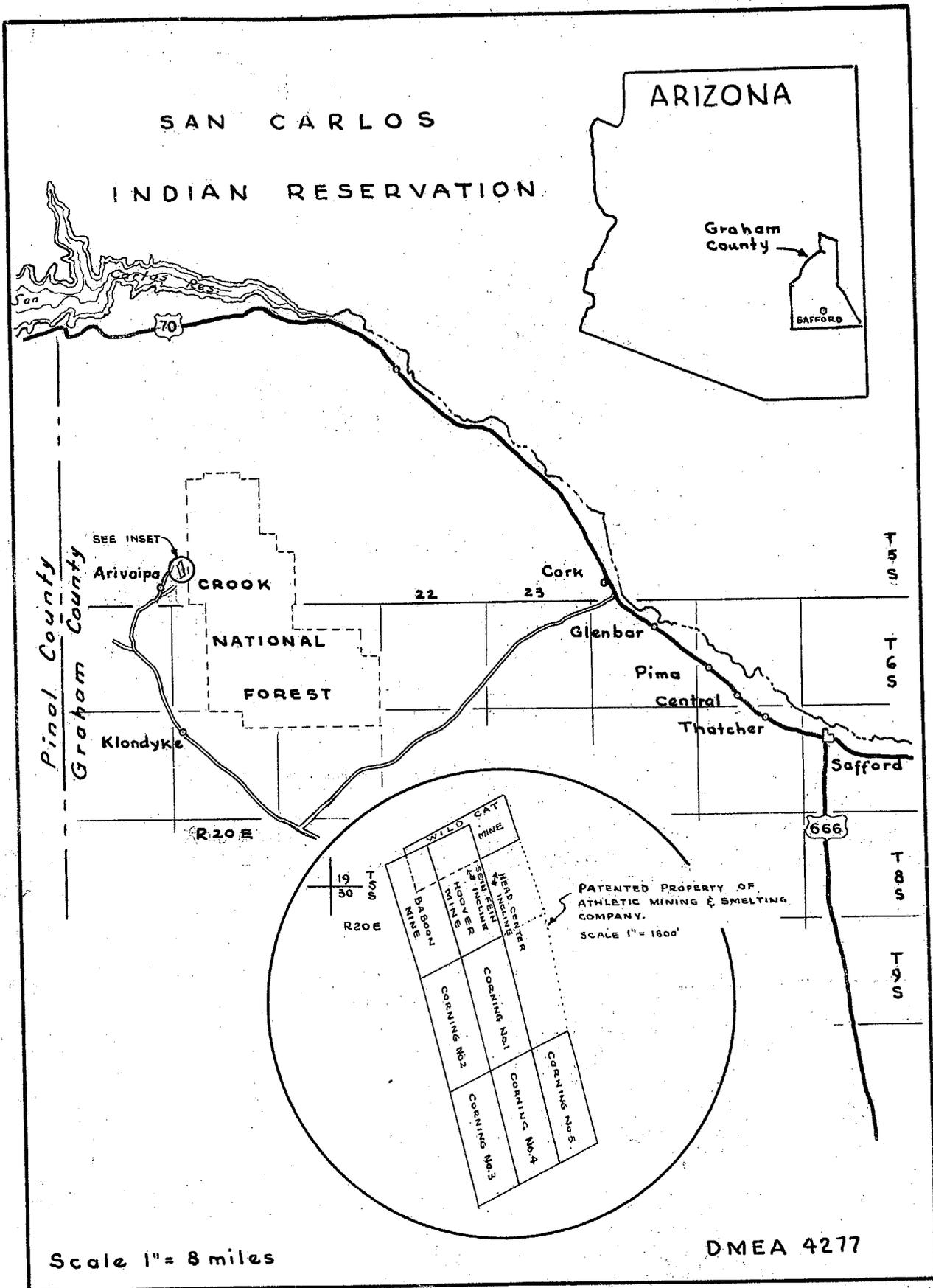
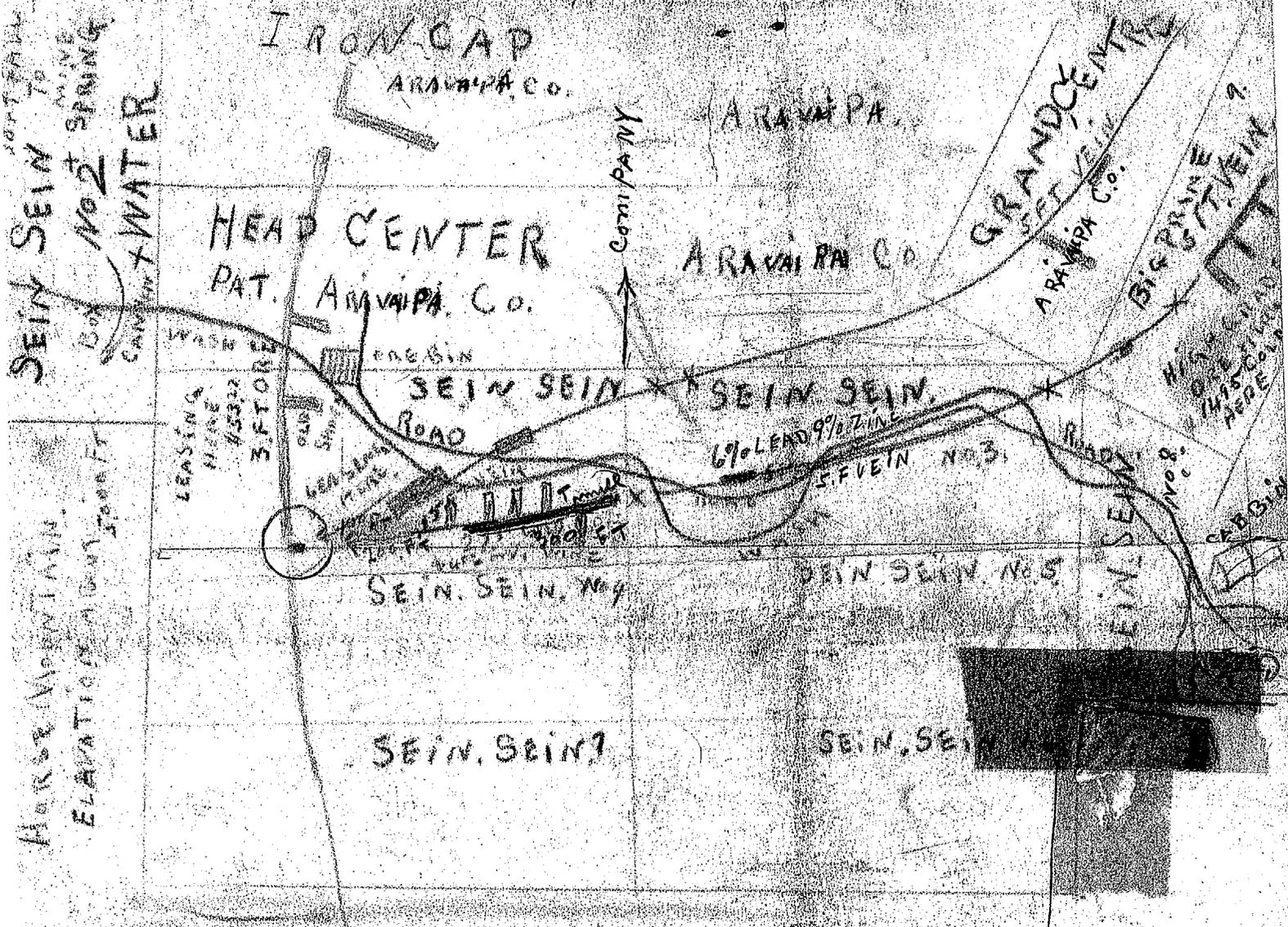


FIG.-1- LOCATION AND CLAIM MAP, CORDILLERA MINING CO. SEIN FEIN MINE, GRAHAM COUNTY, ARIZ.

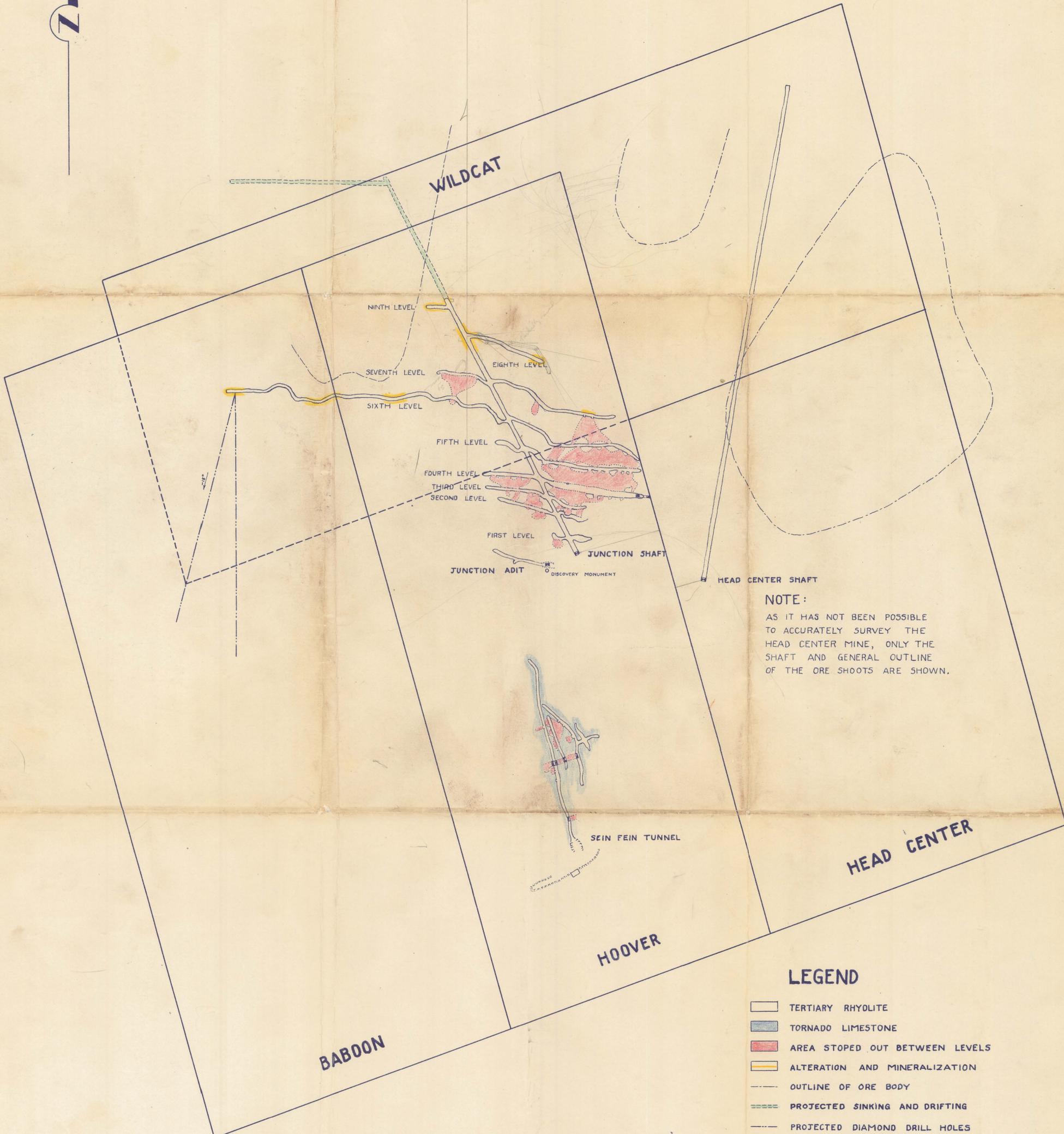


- Tunnel
- WINZ
- STOPS
- Shaft

NOTE. ○ The Grand central vein which carries high grade ore on the same level as the Price mine and a large <sup>vein</sup> of lead + silver. Gold ore lengths contacting at circle on upper vein and contact the <sup>about 700</sup> <sup>Price</sup> <sup>between</sup> <sup>Grand central & Big</sup> <sup>Price</sup> <sup>vein</sup> <sup>mining & claim</sup> now leasing to other parties. When the <sup>cross</sup> <sup>vein</sup> <sup>Creek</sup> has more than doubled in width carrying manganese 6% lead 6% zinc 7% silver 200 gold 100 foot Tunnel here will show about 100 foot depth at junction of the 3 main veins. This is marked XX - The Big vein lies parallel to XX vein and makes contact with both the other veins only traced on surface by high grade outcrops to <sup>at 700</sup> <sup>foot</sup> <sup>of</sup> <sup>drift</sup> <sup>in</sup> <sup>old</sup> <sup>Tunnel</sup> <sup>mining</sup> <sup>veins</sup>. A car of



*File in map drawer*



**NOTE:**  
AS IT HAS NOT BEEN POSSIBLE TO ACCURATELY SURVEY THE HEAD CENTER MINE, ONLY THE SHAFT AND GENERAL OUTLINE OF THE ORE SHOOTS ARE SHOWN.

**LEGEND**

-  TERTIARY RHYOLITE
-  TORNADO LIMESTONE
-  AREA STOPED OUT BETWEEN LEVELS
-  ALTERATION AND MINERALIZATION
-  OUTLINE OF ORE BODY
-  PROJECTED SINKING AND DRIFTING
-  PROJECTED DIAMOND DRILL HOLES

LEAD & ZINC

CORDILLERA MINING CO.  
**SEIN FEIN MINE**  
 ARAVAIPA MINING DISTRICT  
 GRAHAM COUNTY, ARIZONA

SCALE 1"=100'      FEB. 1956