



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

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ESTELLE & LOUISE

ALTERNATE NAMES:

ESTRELLA AND LOUISE
ESTELLE MINE

SANTA CRUZ COUNTY MILS NUMBER: 66C

LOCATION: TOWNSHIP 24 S RANGE 16 E SECTION 2 QUARTER SW
LATITUDE: N 31DEG 22MIN 09SEC LONGITUDE: W 110DEG 40MIN 58SEC
TOPO MAP NAME: LOCHIEL - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

ZINC
LEAD
COPPER
SILVER
GOLD

BIBLIOGRAPHY:

AZBM BULL. 191, INDEX OF MINING PROP. IN
SANTA CRUZ CO.
AZBM CARD FILE SANTA CRUZ CO.
USBM FIELD NOTES ZN1
BLM MINING DISTRICT SHEET 727
USGS BULL. 582, P. 335-338
ADMMR DUQUESNE MINE FILE
ADMMR ESTELLA MINE FILE

* GENERAL REFERENCES

REFERENCE 1 F1 < ABGMT- USBM FILE DATA
REFERENCE 2 F2 < USBM FILES, ESTELLE AND LOUISE MINE
REFERENCE 3 F3 < ADMR FILE DATA; ESTELLA MINE, ROYAL PROSPECT (MAPS)
REFERENCE 4 F4 < BLM DISTRICT MINING SHEET 727

L110 < GRANILLO (1963) D.C. GILBERT, ROSS AND BOB BARCLAY, CARL SANDBERG AND FRED WILLIAMS, MAR-PAK CORP. (1959); PROPERTY COMPRISES 1 PATENTED CLAIM >

K5 < BETWEEN LIMESTONE AND TRI-JUR VOLCANICS >

N5 < SEDIMENT BELT (2.5 MILES LONG AND 1.25 MILES WIDE) SURROUNDED BY IGNEOUS ROCKS WHICH ALSO FORM DETACHED MASSES AND DIKES WITHIN BELT >

N15 < AND DOWNTHROWN DUQUESNE FAULT BLOCK TO EAST >

N70 < LOUISE SHAFT >

N80 < INTRUSION OF VOLCANICS >

F5 < ABGMT FILES STANTON B. KEITH >

F6 < SIMONS F.S., 1974, USGS MAP I-762 (1:48000) >

F7 < LEHMAN, NORMAN E., 1978 THE GEOLOGY AND PYROMETASOMATIC ORE DEPOSITS OF THE WASHINGTON-DUQUESNE DISTRICT SANTA CRUZ COUNTY, ARIZONA; PH.D. DISSERTATION, UNIVERSITY OF ARIZONA, p. 126-143, MAPS >

F8 < KEITH, S.B., 1975, ABM BULL. 191, p. 77 >

F9 < SCHRADER, F.C., 1915, USGS BULL. 582, p. 335-338 >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < >
REPORT DATE G1 < 8.2.05 >
REPORTER(SUPERVISOR) G2 < CALDER SUSAN R. >
REPORTER AFFILIATION G5 < ABGMT >
SYNONYMS A11 < ESTRELLA AND LOUISE MINE; ESTELLA MINE >
RECORD TYPE B20 < X, I, M >
INFORMATION SOURCE B30 < 1, 2, >
DEPOSIT NUMBER B40 < >
FILE LINK IDENT. B50 < USBM-004023 0184 >
(last, first, middle initial) (last, first, middle initial)

LOCATION

MINING DISTRICT/AREA A30 < WASHINGTON CAMP DISTRICT >
COUNTY A60 < SANTA CRUZ >
PHYSIOGRAPHIC PROV A63 < 12 >
DRAINAGE AREA A62 < 15.05.03.01 >
QUADRANGLE NAME A90 < LOCHIEL >
SECOND QUAD NAME A92 < DUQUESNE >
ELEVATION A107 < 5400 FT >
STATE A50 < AZ >
COUNTRY A40 < U.S. >
LAND STATUS A64 < 01 >
QUADRANGLE SCALE A100 < 62500 >
SECOND QUAD SCALE A91 < 24000 >

UTM

NORTHING A120 < 3470600 >
EASTING A130 < 529800 >
ZONE NUMBER A110 < 12 >

* ACCURACY

ACCURATE ACC (circle)
ESTIMATED (EST) USED ADMR FILE DATA; BLM DISTRICT MINING SHEET 727

GEODETIC

LATITUDE A70 < 31-22-12 N >
LONGITUDE A80 < 110-41-14 W >

CADAstral

TOWNSHIP(S) A77 < 0245 >
SECTION(S) A79 < 02 >
SECTION FRACTION(S) A76 < NE OF SW OF SW >
MERIDIAN(S) A81 < GILA AND SALT RIVER >
RANGE(S) A78 < 0116 E >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 3/4 MILE SSE OF WASHINGTON CAMP >

LOCATION COMMENTS A83 < ADJACENT ON EAST TO DUQUESNE MINE; ADJACENT ON SOUTH TO BONANZA MINE; JUST WEST OF TOWN OF DUQUESNE; LOUISE SHAFT IS JUST SOUTH OF ESTELLE SHAFT >

COMMODITY INFORMATION

COMMODITIES PRESENT C10 Zn, Cu, MAU, Pb, Ag, Au
 ORE MINERALS C30 SPHALERITE, GALENA, CHALCOPYRITE, PYRITE, CERUSSITE
 COMMODITY SUBTYPES C41
 GEN. ANALYTICAL DATA C43 ORE VALUES AVERAGED 9% Zn, 2% Pb, 2% Cu, 4 OZ./TON Ag, MINOR AU
 COM. INFO. COMMENTS C50

SIGNIFICANCE

MAJOR PRODUCTS MAJOR Zn, Cu, Pb, Ag, MAU
 MINOR PRODUCTS MINOR Cu, Pb, Ag, MAU
 POTENTIAL PRODUCTS POTEN
 OCCURRENCES OCCUR

*PRODUCTION

PRODUCTION YES (circle) PRODUCTION SIZE SML MD LG (circle one)
 NON-PRODUCER PRODUCTION UND NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

STATUS AND ACTIVITY A20 4
 STATUS AND ACTIVITY A20

DISCOVERER L20
 YEAR OF DISCOVERY L10 LATE 1800S NATURE OF DISCOVERY L30 B YEAR OF FIRST PRODUCTION L40 1940 YEAR OF LAST PRODUCTION L45 1963
 PRESENT/LAST OWNER A12 ROSARIO EXPLORATION CO. (1973)
 PRESENT/LAST OPERATOR A13 ROSARIO EXPLORATION CO. (1973)
 EXPL./DEV. COMMENTS L110 OWNERS AND OPERATORS INCLUDED DUQUESNE MINING AND REDUCTION CO., CALLAHAN ZINC LEAD CO. (1940-44), NASH MINES (1951-57), HENRY AMADO (1961-62), TED

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 REPLACEMENT; SHEAR ZONE
 DEPOSIT FORM/SHAPE M10 IRREGULAR
 DEPTH TO TOP M20 UNITS M21 MAXIMUM LENGTH M40 UNITS M41
 DEPTH TO BOTTOM M30 UNITS M31 MAXIMUM WIDTH M50 UNITS M51
 DEPOSIT SIZE M15 SMALL M15 MEDIUM M15 LARGE (circle one) MAXIMUM THICKNESS M60 UNITS M61
 STRIKE M70 N-S DIP M80
 SECTION OF PLUNGE M100 PLUNGE M90
 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
 DESC. OF WORK. COM. M220 OPENED BY 235-FT ESTELLA SHAFT, INCLINED 75 DEGREES WITH LEVELS AT 135 AND 235 FT; 50-FT LOUISE SHAFT, INCLINED 60 DEGREES WITH 60 FT DRIFT ON 50 FT LEVEL
 OVERALL AREA M210 UNITS M211

GEOLOGY

*AGE OF HOST ROCK(S) K1 E.P.E.R.M.
 *HOST ROCK TYPE(S) K1A FINE-GRAINED CHERTY LIMESTONE
 *AGE OF IGNEOUS ROCK(S) K2 TRI.-TJR.
 *IGNEOUS ROCK TYPE(S) K2A VOLCANICS; RHYOLITE AND TRACHYTE TUFFS OF DUQUESNE VOLCANICS
 *AGE OF MINERALIZATION K3 LCRET-TERT.
 *PERT. MINERALS (NOT ORE) K4 LIMONITE; MANGANESE OXIDES; TREMOLITE; DIOPSIDE
 *ORE CONTROL/LOCUS K5 IRREGULAR REPLACEMENT BODIES ALONG N-S TRENDING FAULT CONTACT
 *MAJOR REG. TRENDS/STRUCT. N5 MINERAL DEPOSITS OF WASHINGTON-DUQUESNE AREA OCCUPY A LIMESTONE -
 *TECTONIC SETTING N16 N-S TRENDING BONANZA FAULT ZONE; WASHINGTON CAMP FAULT BLOCK TO WEST
 *SIGNIFICANT LOCAL STRUCT. N70 LOCAL INTRUSIONS OF TERTIARY BIOTITE-HORNBLende GRANODIORITE NEAR
 *SIGNIFICANT ALTERATION N75 PYROMETASOMATIZED AND CRYSTALLIZED LIMESTONE
 *PROCESS OF CONC./ENRICH. N80 METASOMATIC REPLACEMENT AND SECONDARY ENRICHMENT FOLLOWING
 *FORMATION AGE N30 E.P.E.R.M.
 *FORMATION NAME N30A CONCHA LIMESTONE
 *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

GENERAL COMMENTS

GENERAL COMMENTS GEN SEE ALSO: BONANZA MINE FOR GEOLOGIC INFORMATION

ESTELLA MINE (
Duquesne District
Santa Cruz County

James V. Marino, Washington Camp, Arizona, has leased the Bonanza, Illinois and Estella Louise mines in the Duquesne district of Santa Cruz County, Arizona, from the owner, Nash Mines, Austin, Texas. Since work was started the Bonanza workings have been dewatered and some repair work completed. At present a raise is being driven from the 235-foot level in an attempt to develop ore in that area. A crew of four men is employed.

Taken from MINING WORLD, August, 1961, p 47.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Estella Louise Mine

Date Sept. 4, 1963

District Duquesne District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Present Status. Information from Armando Majalca.

Present Activity Idle. Closed down about April 1, 1963. A shipment of ore, about 50 to 60 tons was shipped to the smelter in March. Shortly after this the mine was closed down.

The holdings of Mr. Nash at Washington Camp were purchased by Mr. Carl Sandberg, 7425 N. Obregon Dr., Tucson, and Fred Williams, Jr., 2060 Yandes Street, Indianapolis Indiana (2)

See complete report in the Nash mine file

ALJ MEMO Nov. 12, 1964

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Louise Mine

Date March 6, 1963

District Duquesne District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Ted Granillo

References Reports of Jan. 4, 1962 and June 4, 1959.

Owners Nash Mines, 406 Nash Bldg., Austin, Texas.

Lessee and Operator Ted Granillo, Patagonia, Ariz.

Principal Minerals Lead, silver, ~~zinc~~ copper.

Present Mining Activity Drifting on the 50 ft. level in ore and dumping the ore in the ore bin for future shipment. 50 tons now ready for shipment to the smelter. 2 men working. Production about 30 tons per month.

Ore Values Reported by Mr. Granillo to be as follows:

Lead --- 14.5 %
Silver --- 15 oz.
Copper --- 1.0 %
Zinc --- none

The ore is practically all lead carbonate (cerussite).

Old Mine Workings

Estella shaft (incl. 75 deg.) --- 135 ft. deep ----caved and B. O.

New Mine Workings

- (1) Louise shaft (incl. 60 deg.) ---- 50 ft. deep.
- (2) 1 drift on 50 ft. level --- now 60 ft. long.

Present Mining Operations Ted Granillo acquired the lease and started operating last January. He is now extending the drift on the ore vein and following the vein.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Louise Mine

Date Jan. 4, 1962

District Duquesne District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from E. W. McFarland.

References Reports of Sept. 18, 1959, June 4, 1959 and previous.

Owners Nash Mines, 406 Nash Bldg., Austin, Texas.

Lessees & Operators Henry Amado, Patagonia, Arizona, and son.

Principal Minerals Lead, silver, zinc, copper.

Present Mining Activity Stoping lead-silver carbonate ores and shipping same to the A. S. & R. smelter at El Paso, Texas. 2 men working. Production --- 1 carload of ore in about 1 1/2 months.

Geology & Mineralization See report of June 4, 1959.

Ore Values See report of June 4, 1959.

Milling & Marketing Ore is being shipped direct to the A. S. & R. smelter at El Paso.

Mine Workings See report of June 4, 1959.

Recent Operations Mr. McFarland reports that Henry Amado and his son started mining operations about Nov. 15, and that they have shipped one carload of ore to the smelter. He did not believe that they had received the returns from the shipment yet. He said that the ore was lead-silver carbonate ore, which came out of the shaft (Louise shaft).

Henry Amado, Patagonia, Arizona, and son are working the Estella Louise mine of Nash Mines, Inc., under a lease agreement, effective November 15, 1961. They are stoping lead-silver carbonate ores and shipping to the Asarco smelter in El Paso, Texas. One carload had been shipped prior to the first of the year.

Taken from MINING WORLD, April 1962, p 39.

Property active 10-1962 - Henry Amado, Patagonia, Oper. - 2 men working.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Estelle^A Louise Mine

Date September 18, 1959

District Duquesne District, Santa Cruz County

Engineer Axel L. Johnson

Subject: Present Status -- Information from Fernando De La Ossa

References: Report of June 4, 1959

Present Mining Activity: None. Operations reported as having closed down the first part of August.

10/24/61

Henry Amato operating for carbonate
ores. (expanded?) ZRX.

JULY 9, 1958

SANTA CRUZ CO.

DUQUESNE DIST.

✓
ESTELLA MINE (file)

BLM Mining District Sheet 727

ABM Bull 191, p. 77

USGS Bull. 582, p. 335-338 ✓
See: Report on the DUQUESNE MINING

AND REDUCTION COMPANY

By - Franklin Wheaton Smith
April 15, 1916

✓
In - "DUQUESNE" (file)

MILS Sheet sequence number 0040230184

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Louise Mine
(previously called Estella Mine)
District Duquesne District --- Santa Cruz Co. Date June 4, 1959
Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from Edward Eisenbrey and personal visit.

Location T 24 S - R 16 E - unsurveyed. About 1 1/2 miles S. of Washington Camp.

Number of Claims 3 patented claims.

Owners Nash Mines, 406 Nash Bldg., Austin, Texas.

Lessees & Operators Leased jointly to
(1) D. C. Gilbert, 3573 E. Third St., Tucson, Ariz.
(2) Mar-Pak Corporation, Painesville, Ohio ---Mining Division
 ✓ Joe Martin, Pres., Painesville, Ohio
 ✓ O. D. Terry, Vice-Pres., 2644 S. Alvernon, (Box 15012), Tucson
 ✓ Robert A. Fogle, Mines Manager, 3808 E. 25th St., Tucson
 ✓ Edward Eisenbrey, Geologist, Washington Camp.

Principal Minerals Lead, silver, Zinc, Copper

Present Mining Activity Shaft sinking on the Louise shaft. 2 men working.

Geology & Mineralization The shaft is sunk on a fault and cross fault. The footwall is limestone and the hanging wall is monzonite porphyry, with a considerable amount of garnetization.

Ore Values Two assays were reported on the Estella Louise, viz:
(1) Silver - 20.1 oz.; Lead 15.5 %;
(2) Silver 26.0 oz.; Lead 15.8 %; Zinc 6.0 %; Copper 3.7 %.

Milling & Marketing Facilities Operators expect to mill the ore either at the Trench Mill or the Sahuarita Mill.

Old Mine Workings (1) Estella shaft (incl. 75 deg.) --- 135 ft. deep -- caved and B. O.
 (2) Louise shaft (incl. 60 deg.) --- was 15 ft. deep & now being ext.

New Mine Workings Louise shaft (incl. 60 deg.) ---- now down to depth of 45 ft.

Present Mining Operations Shaft sinking in the Louise shaft, with 2 men working. This shaft was started by D. C. Gilbert a few years ago, and was 15 ft. deep when operations by new lessees were started about May 1st. The shaft is now down to a depth of 45 ft., and shaft sinking will be continued for another 100 ft. or more.

Remarks Lease provides for a sliding scale royalty. It is reported that the royalty is the same as was in effect when previously operated.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Mine

Date July 12, 1957

District Duquesne District -- Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Present Status. Information from D. C. Gilbert, Lessee & Operator. No Visit.

References Report of March 15, 1957, and previous reports.

Location T 24 S - R 16 E - Unsurveyed. About 1 1/2 miles S. of Washington Camp.

Number of ~~Section~~ Claims Parts of 3 claims. A geologic block.

Owners Nash Mines, 406 Nash Bldg., Austin, Texas.

Lessee & Operator D. C. Gilbert, Washington Camp.

Principal Minerals Copper, Zinc, Lead, Ag. Ore mixed and low grade.

Present Mining Activity No ore production on account of running out of ore.
Exploration work on part time basis. 2 men on part time.

Present Mining Operations 3 to 5 shifts per month with 2 men doing long hole drilling
and other exploration work. Also some evening work.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Mine
(formerly called Estella Louise)
District Duquesne District --- Santa Cruz Co.

Date March 15, 1957

Engineer Axel L. Johnson

Subject: Mine Report. Personal Visit and Information from D. C. Gilbert, Lessee.

Location T 24 S - R 16 E. Unsurveyed. About 1 1/2 miles S. of Washington Camp.

Number of Claims Parts of 3 claims. A geologic block.

Owners Nash Mines, 406 Nash Bldg., Austin, Texas.

Lessees & Operators D. C. Gilbert, Patagonia, Ariz. Leased May 15, 1956.

Principal Minerals Copper, Zinc, Lead, and Silver. Mixed ore -- low grade.

Number of Men Employed 3 men.

Production Rate About 50 tons per month. Ore shipped to Trench mill.

Ore Values Copper - 2 %; Lead - 5 %; Zinc - 8 %; Silver - 5 oz.

Present Operations Mostly development work, and saving some of the ore obtained from the development for shipment to the Trench mill. Vein reported by Mr. Gilbert to be getting narrower.

References Reports of March 11, 1955, June 2, 1955, and Sept. 16, 1955.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Mine

Date Sept. 16, 1955

District Duquesne District -----Santa Cruz Co. Engineer Axel L. Johnson

Subject: Present Status. Information from D. C. Gilbert, Mgr., Nash Mines.

References See report of June 2, 1955. Changes and present status as shown below.

Mine was closed down the last part of June, 1955. Mr. Gilbert reports that there is very little ore remaining that could be mined, and that the lessees and operators left the mine in a dangerous and caved condition.

DEPARTMENT OF MINERAL RESOURCES

FIELD ENGINEERS REPORT

Mine Estella Mine Date June 2, 1955
(formerly called Estella Louise)
District Duquesne Dist., Santa Cruz County Engineer Axel L. Johnson
Subject: Field Engineer's Report - personal visit and information from D. C. Gilbert

Location. T 24 S - R 16 E. Unsurveyed. About 1-1/2 miles south of Washington Camp, and adjoining the Bonanza Mine.

No. of Claims. Parts of 3 claims - a geologic block.

Owners. Nash Mines, Inc., 406 Nash Bldg., Austin, Texas. D. C. Gilbert, Mgr., Patagonia

Lessees and Operators. Ross Barclay, Bob Barclay, and Luther Lavender - took out 11 month lease, Jan. 1, 1955 to Dec. 1, 1955.

Principal Minerals. Zinc - no other minerals.

No. of Men Employed--2

Production Rate. About 50 tons per month. Lessees started work in January, 1955 and started shipping ore in April. See report of March 11, 1955.

Ore Values. Zinc ore, running from 18 to 25%.

Ore in Sight. About 150 tons of ore in sight, reported by D. C. Gilbert.

Milling and Marketing Facilities. Ore is being shipped to the Trench Mill of the A. S. & R. Co.

Present Operations. Stopping the ore blocked out. During the last few days operators have been driving a drift and have cut into some good ore, containing some copper values. No assays of same made as yet.

Past History. Mine was worked by Callahan Zinc Lead Co., Inc., from 1940 to 1944. Records show 17,800 tons of ore mined and milled from this mine from 1940 to 1944. No records of ore values.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella Louise Mine

Date March 11, 1955.

District Duquesne District --- Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from lessees. No visit to property.

Location Near Washington Camp.

Owners * Nash Mines, Inc., 406 Nash Bldg., Austin, Texas. D. C. Gilbert, Mgr., Patagonia.

Lessees Ross Barclay, Bob Barclay, & Luther Lavender.
Took out 11 month lease -----Jan. 1, 1955 to Dec. 1, 1955.

Operators Same as above.

Principal Minerals Zinc ore.

Number of Men Employed 3

Production Rate No production yet. Operators expect to ship ore about April 15th.

Ore Values Ore reported by operators to run from 18 to 20 % zinc.

Ore in Sight and Probable About 100 tons.

Milling & Marketing Facilities Ore shipped to the Trench mill of the A. S. & R. Co. for milling.

Present Operations Operators are repairing and timbering, preparatory to stoping out two small bodies of ore, which were left on the floor of two old stopes. One of these ore bodies is said to contain about 60 to 70 tons of ore, and the other ore body about 30 to 40 tons -----total 90 to 110 tons. Operators expect to clean this ore out in about 4 1/2 months, and then discontinue operations at the mine.

FIELD ENGINEERS REPORT

Mine - Nash Mines

Date - April 8, 1953

District - Duquesne Mining Dist.,
Santa Cruz Co.

Engineer - Axel L. Johnson

Subject: News Report - - Operations of Nash Mines

, (f) Estella-Louise Mine. The ~~former~~ lessee was Ross Barclay. Ores in the mine are practically all zinc. Mine needs exploration and development badly. Mine is now closed down, being closed after the drop in zinc-lead prices.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Estella- Louise

Date Oct. 9, 1952.

District Duquesne District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Mine Report ---- Present Status. Information from D. C. Gilbert, Mgr., Nash Mines.

Location Near Washington Camp. 2 miles south of same.

Number of Claims 3 patented claims .

Owner Nash ~~Interests~~ Mines, Austin, Texas. D. C. Gilbert, Mgr., Patagonia, Ariz.

Lessee Ross Barclay, Patagonia, Ariz.

Principal Minerals Practically all Zinc. Very little copper, lead, & silver.

Number of Men Working None. Mine closed down recently.

Production Rate None. Mine closed down temporarily on account of the big drop in the price of Zinc. Will reopen when the price comes back again.

Present Mine Workings One vertical shaft--- 235 ft. deep, with 135ft. and 235 ft. levels.

