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05/20/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: PRINCESS ANN

ALTERNATE NAMES:

FAY L  
FAY LEE  
HEAVY STONE  
BIG EYE BARITE

MARICOPA COUNTY MILS NUMBER: 187

LOCATION: TOWNSHIP 5 N RANGE 10 W SECTION 34 QUARTER N2  
LATITUDE: N 33DEG 43MIN 54SEC LONGITUDE: W 113DEG 17MIN 18SEC  
TOPO MAP NAME: LONE MOUNTAIN - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

FLUORINE FLUORSPAR  
BARIUM BARITE

BIBLIOGRAPHY:

BROBST D AZBM BULL 180 P 314  
ELEVATORSKI E A ADMMR AZ BLUORSPAR RPT P 28  
ADMMR INDUSTRIAL MINERALS REPORT P 36  
ADMMR PRINCESS ANN FILE  
ADMMR "U" FILE (CARD NOT FOUND 5/1/86)  
VAN ALSTINE R AZBM BULL 180 P 352  
STEWART L & PFISTER A USBM RI 5651 P 37

FAY LEE MINE (PRINCESS ANN)

MARICOPA

Walter Rogers, Wenden, came in to discuss the Snowball, Princess Ann and Gunsight fluorspar deposits. He and his partner, Carl Dotson, Socorro, New Mexico, have leased these deposits from Gene Kruger, Dan Williams and Andy Johannsen of Yuma. While here, John Lemons came in and was made acquainted with Mr. Rogers. Lemons inquired about the possibility of building a mill in the area. Rogers said they fully intended to do that and are now investigating the water supply. GW WR 5/2/72

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References: R1 5651, p. 37 - Barite

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KAP WR 3/6/81: Mr. J. Deitch, 13510 Spanish Garden Drive, Sun City West, Arizona 85375, reported he is investigating a barite deposit south of Aguila. He explained that the property was the Princess Ann Claims or the Big Eye Barite. He would like to produce barite from the property.

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NJN WR 4/17/81: Forest Hazen of Industrial Minerals, Lathrop, Nevada, called, asking for information on barite deposit of Princess Ann Mine (Fay Lee Mine file), Maricopa County. He is in contact with lessee of property, Dan Williams.

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KAP WR 10/30/81: Lee Husbands, 14825 N. 35th Street, Phoenix, 85032 reported he was involved with the Big Eye Barite mine and wants to mine the deposit.

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COMMODITIES BARITE

ID NO. 5/7/1 187 DATE 5/7/81

PROPERTY SUMMARY

I. MINE NAME: PRINCESS ANN AKA; FAY L  
AKA; \_\_\_\_\_ AKA; \_\_\_\_\_  
AKA; \_\_\_\_\_ AKA; \_\_\_\_\_

II. LOCATION: T 4N R 10W Sec(s) Sec 34 ALONG N. BOUNDARY ON LONE Mtn. Topo Quad.  
ELEV.; 1800' DIST.; BIG HORN STATE; AZ CO.; MARICOPA  
DIRECTIONS; 100'-200' EAST OF TIGER WASH, EXTENDING SOUTHERLY FROM  
THE NORTH BOUNDARY OF TIGER WASH. UTM; SEE PROSPECT symbol on  
Topo Quad.  
LAT. 33° 43.5' N Map Attached / /  
LONG. 113° 17.3' W

III. OWNERSHIP: Name; IN 1958 W<sup>M</sup> PAINE, Phone; \_\_\_\_\_  
Address; etal,  
Date of Information; CURRENT CLAIMANTS REPORTED TO RESIDE IN YUMA,  
DBA; \_\_\_\_\_ Title Report Attached / /

IV. PROPERTY: A PROSPECT w/ MINOR TRAIL PRODUCTION SHIPMENT  
(300 TONS) RECORDED SEE REF LISTED  
Date of Property Status; \_\_\_\_\_ Map Attached / /  
PROPERTY REPORTED LOCALLY TO BE IN LITIGATION

V. HISTORY: First Located; SEE REF LISTED Operated; \_\_\_\_\_  
Remarks; \_\_\_\_\_  
Report(s) Attached / /

VI. PAST PRODUCTION: 300 TONS HAND SORTED ORE  
SEE REF LISTED  
Schedule(s) Attached / /

VII. WORKINGS: ONE OPEN CUT 100' APPROX. LONG & ABOUT 25' DEEP @  
NORTHWEST END OF OUTCROP ZONE WHERE IT DISAPPEARS BENEATH  
THE ALUVIAL COVER OF TIGER WASH.

Map Attached / /

VIII. GEOLOGY: Deposit Type; 7 SUBPARALLEL BARITE VEINS, VARYING FROM 5"-20" WIDE, STRIKING N 35° W,  
ARE EXPOSED ACROSS A ZONE ABOUT 125' WIDE, @ THE PROSPECT SYMBOL ON TOPO MAP. Vein Strike; \_\_\_\_\_

Distance; \_\_\_\_\_ Width; \_\_\_\_\_ Dip; NEAR VERT. Age; PROB. LATE TERT.?

Host Rock; BASALT Age; PROB. LATE TERT.? Ore \_\_\_\_\_

Control FRACTURE & FISSURE FILLING

Existing Report(s) Attached / / Report Based on New Examination Attached / /

IX. MINEROLOGY: Economic Minerals; BARITE

Gossan Minerals; \_\_\_\_\_

Alteration; NA

Gangue; SOME SILICIFICATION & BASALT BRECCIA MATRIX.

Petrographic Study; \_\_\_\_\_ Report(s) Attached / /

X. METALLURGY: DISCUSSED IN LISTED REF. Report(s) Attached / /

Method of Determination; \_\_\_\_\_ Metallurgical Reports Attached / /

Remarks; \_\_\_\_\_

XI. SAMPLE DATA: \_\_\_\_\_ Sampling Technique; \_\_\_\_\_

Samples Taken By; \_\_\_\_\_ Number of Samples; \_\_\_\_\_

Date; \_\_\_\_\_ Assay Report(s)/Maps Attached / /

Drilling; \_\_\_\_\_ Type; \_\_\_\_\_ Total Footage; \_\_\_\_\_

When Drilled; \_\_\_\_\_ Drilling/Report Attached / /

XII. GEOCHEMISTRY: \_\_\_\_\_ Type; \_\_\_\_\_ Type Anomalies; \_\_\_\_\_

Report(s)/Map(s) Attached / /

XIII. GEOPHYSICS: \_\_\_\_\_ Type; \_\_\_\_\_

Anomalies; \_\_\_\_\_

Report(s)/Map(s) Attached / /

XIV. AERIAL PHOTOGRAPHY: \_\_\_\_\_ Photo Attached / /

XV. RESERVES: Proven; NONE Calculations Attached / / Probable; \_\_\_\_\_  
Calculations Attached / / Possible; \_\_\_\_\_ Calculations Attached / /  
Total; \_\_\_\_\_ Calculations Attached / / Potential; \_\_\_\_\_  
Calculations Attached / / Prob. a Limited Potential (a few 1000 tons)  
OF MILLING Grade MATERIAL

XVI. ECONOMICS: Mine Life; \_\_\_\_\_ Yrs. Annual Production; \_\_\_\_\_  
Capital Outlay; \_\_\_\_\_ Time; \_\_\_\_\_  
Operating Cost; \_\_\_\_\_ /Yr. \_\_\_\_\_  
Gross Annual Income; \_\_\_\_\_ DCF/ROI; \_\_\_\_\_  
Metal Prices Used; \_\_\_\_\_  
Sensitives; \_\_\_\_\_ Report(s) Attached / /

*ALTHO THERE IS Highgrade Barite present, THE NARROW width OF MINERALIZATION  
would require Beneficiation to produce a 4.2 sp. gravity product.*

XVII. REFERENCES:

Author; USBM RT 5651, p. 37 Title; BARITE DEPOSITS OF AZ  
Date; L.A. Stewart Abstracted By; \_\_\_\_\_ Date; CIRCA 1960  
Status; A.J. PFISTER  
Remarks; \_\_\_\_\_

Author; \_\_\_\_\_ Title; \_\_\_\_\_  
Date; \_\_\_\_\_ Abstracted By; \_\_\_\_\_ Date; \_\_\_\_\_  
Status; \_\_\_\_\_  
Remarks; \_\_\_\_\_

Author; \_\_\_\_\_ Title; \_\_\_\_\_  
Date; \_\_\_\_\_ Abstracted By; \_\_\_\_\_ Date; \_\_\_\_\_  
Status; \_\_\_\_\_  
Remarks; \_\_\_\_\_

VIII. REMARKS:

Signed By,  
Norman Eastwood, Jr.  
5/7/81

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine    FAY LEE

Date    July 11, 1947

District    BIG HORN MINING DISTRICT

Engineer    Roger I. C. Manning

Subject:    Examination of Property

The Fay Lee property is located in the Big Horn Mountains, Big Horn Mining District, Maricopa County, Arizona, T5N, R10W, about 3 miles east of the Maricopa-Yuma County line. It is approximately 24 miles southwest of Aguila, a station on the Santa Fe Railroad.

The first 17 miles from Aguila to Roger's Well is a good graded road and can be traversed in any type of car in any weather, but the last 7 miles are rough and sandy and should not be attempted in other than a four wheel drive vehicle. With the exception of the washes, this last 7 miles could be put in good condition at small cost.

The property consists of 9 full sized unpatented lode claims running due east and west across a north-south range of the Big Horn Mountains. It is owned by Clyde Lemons, 1237 East McKinley, Phoenix, Arizona, and Chas. Taylor, Aguila, Arizona. The claims are registered in Clyde Lemons' name only. Present location was made in 1947.

There is no water on the property and the nearest dependable source at present is 6 miles northeast on the road to Aguila. It was stated locally that this well is 600 feet deep and that the water level is at present 200 feet below the collar. Since the wash on which this well is located flows toward and past the property, it is reasonable to assume that water sufficient for mining purposes can be developed.

TOPOGRAPHY:

The elevation at the Big Wash which flows south past the Fay Lee is 1800 feet which is about 200 feet below Aguila. The highest elevation on the claims will not exceed 500 feet above this point.

The range in which the claims are located consists mainly of rhyolite and andecite overlain by basalt and breccia. Under all this is pre-cambrian granite gneiss and schist. The lava flows have been classed as Tertiary.

The barite occurs in well defined veins of varying thickness up to 30", striking South 55° West and dipping 30° to the Northwest. The dip of the veins approximate the west slope of the mountain and the main vein (30") is exposed in several places on the slope. The barite content in this vein is approximately 40% gangue material, being volcanic breccia. Also on the west slope is a vein striking South 55° East and dipping 85° South. A shaft has been sunk on this vein about 30 feet on the dip. The vein is approximately 30" wide at the collar of the shaft and pinches to about 20" at the bottom. Mineral content of this vein is about the same as that above mentioned.

On the east side of the range of mountains aforementioned is a vein striking North 30° East and dipping vertical. This vein is 4 feet in width but very little work has been done. That which was exposed showed an exceptionally good grade of white barite, almost totally free of any impurity. This is located on the Bluebird Claim and is, no doubt, the best showing on the entire property and I would recommend that in event the owners can secure a satisfactory contract for their production that they do further exploration work along this vein.

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Roger I. C. Manning  
Field Engineer

A barite strike in the Big Horns, about 20 miles south of Aguila, has been announced by William F. Paine, Scottsdale mine and mill management consultant. Paine shares interest in the property with Robert Van Beekman, Morton Braiker and Harry Williams, all of Phoenix. News of their discovery was withheld until filing and assessment work on 12 claims had been completed. Claims originally were owned by Arizona Barite Corp., which Paine managed for 12 years. Its successor company, Macco Co., let the claims lapse.

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Taken from "Engineering and Mining Journal" - September, 1958, p 136

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William F. Paine, 5720 E. Indian School Road, Scottsdale, reported that he had dropped his barite properties.

LAS - WR - 5-3-63 -

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Pay Dirt  
5/29/72



OCTOBER 1958  
M. W.

Fay Lee Mine (Princess Ann)

Maricopa

SEE: RI 5651 p. 37 - Barite

**DEPARTMENT OF MINERAL RESOURCES**  
**STATE OF ARIZONA**  
**FIELD ENGINEERS REPORT**

Mine     Fay Lee

Date     May 23rd, 1947

District   Ellsworth (East Ellsworth)

Engineer   A. C. Nebeker

Subject:   'Bante Group Barite Claims

Location:   This group of claims is located about 25 miles southeast of Salome, Arizona. To get to the property go out on the Salome-Buckeye road for 13 miles to the Monterey sign and turn east at that point and follow a bladed road to the Alaska mine for about 11 miles and then follow a winding road southwest to a horseshoe curve and turn northeast to the big wash. The barite is on the east side of wash. The road to the Alaska mine is bladed and in pretty good shape, but from there to the property poor. A good road could be made with a road blade at small cost.

Property:   The property consists of 6 locations which crosses from the west side of a mountain to the east side. The claims are held by location and recorded in Maricopa County. Owners of property are Clyde Lemon and Chas. Taylor, address Aguila, Ariz.

Topography and Formation:

From the Salome-Buckeye road to the property for some distance is a sandy flat with several small washes to cross, and then a gravelly bench until the big wash is reached. The main mountain is steep but at the foot of it are gentle rolling ridges with shallow gullies.

The base formation is a conglomerate, made up of a variety of boulders above which appears to be a silicified lime.

Barite:

The barite is white in color, and in places free from gangue material, while in other places contains gangue, probably 40 to 50 per cent. The barite makes both in fissure form and in some places appears to spread flat over the conglomerate. The fissures have a strike of N 70 W and nearly vertical dip.

I walked over the west side of the mountain and crossed five different fissures. At one place a trench was cut across the barite for about 40 feet, which exposed barite veins all across, with thin bands of gangue. There are several other surface diggings in barite. At the upper end of the property on the west side of the hill a strong vein is shown on which a 30' shaft has been sunk, all in barite. The vein is from four to five feet thick and dips almost vertical; on the dump there is a pile of white barite. Up the side of the hill are several croppings of barite, which indicates that it crosses over or through the hill.

Mr. Taylor informs me that on the east side of the hill the barite is more massive and freer of gangue matter. I could not get over to the east side due to the fact that I had spent most of the day looking over his lead property, and after getting around to this property there was not enough time or energy left to make the climb.

The property can furnish a large tonnage of ore. I think one should mill it on the property to eliminate gangue and reduce hauling costs. Water may be developed in the valley nearby as indicated by a few wells in the district.

ARIZONA DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA

December-10,-1957

February 17, 1958

To the Owner or Operator of the Arizona Mining Property named below:

BARITE

(ore)

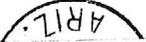


which we would like to have

*not at  
12/16/58*

at form with as complete detail  
assay returns, shipment returns  
and which might interest a

Mr. Clyde Lemons  
1237 East McKinley,  
Phoenix, Arizona



DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
Mineral Building, Fairgrounds  
PHOENIX, ARIZONA

*9-1958*

FRANK P. KNIGHT,  
Director.

Mr. Charles Taylor  
Aguila  
Arizona

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