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PRINTED: 10/18/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JEANENE BERYL

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 479A

LOCATION: TOWNSHIP 16.5N RANGE 15 W SECTION 31 QUARTER NE  
LATITUDE: N 34DEG 46MIN 28SEC LONGITUDE: W 113DEG 51MIN 52SEC  
TOPO MAP NAME: DIAMOND JOE PEAK - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

BERYLLIUM BERYL  
GEMSTONE BERYL  
STONE GRANITE CB

BIBLIOGRAPHY:

ADMMR JEANENE BERYL FILE  
ADMMR MOHAVE FILE  
MEEVES, H.C. ET AL "RECONN. OF BERYL-BEARING  
PEGMATITE DPSTS IN 6 WEST STATES" USBM IC  
8298, P. 20; 1966  
USBM "U" FILE - BERYL  
"MINERAL & WATER RESOURCES OF AZ" AZBM BULL  
180, P. 106; 1969

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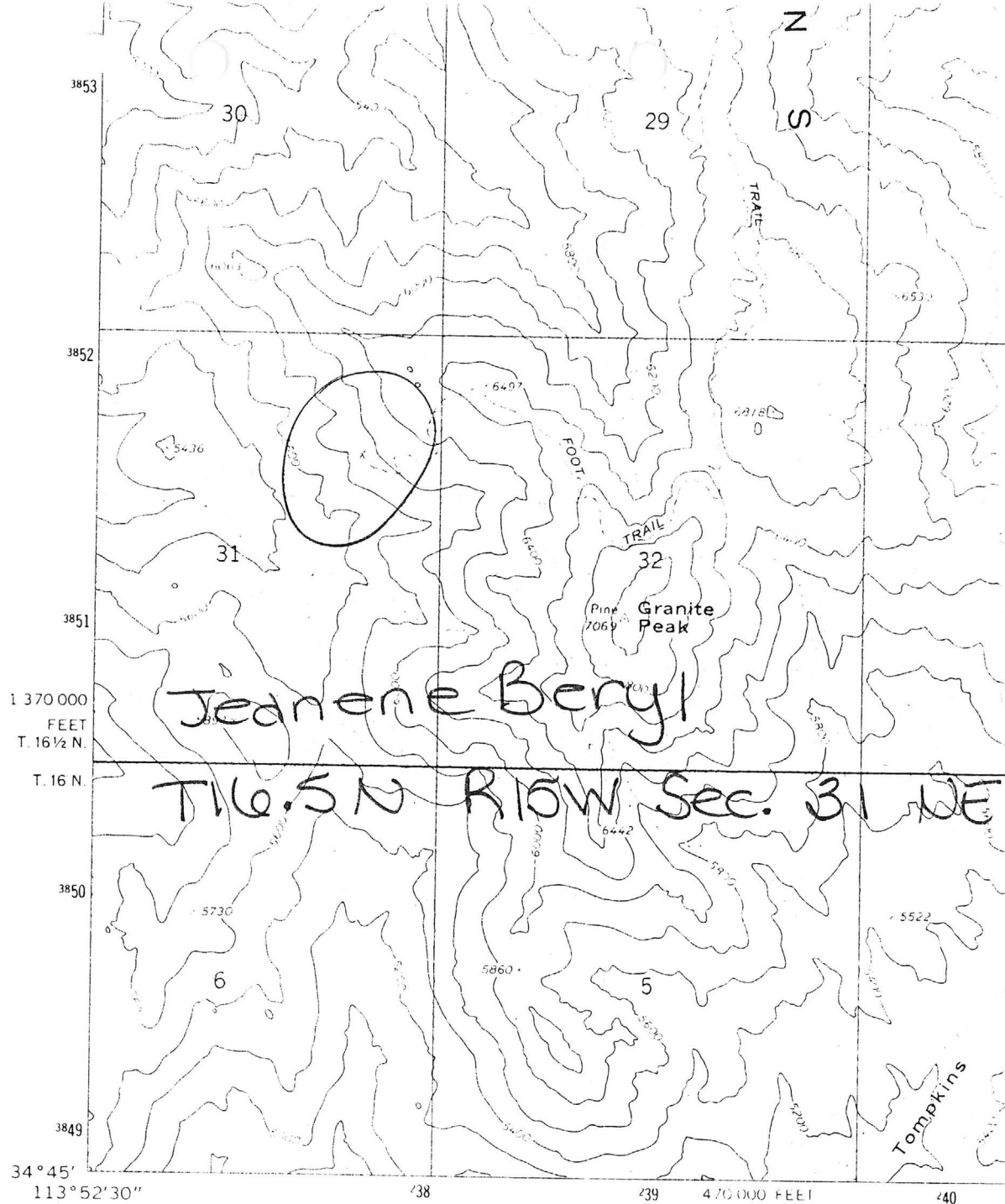
CURRENT STATUS: EXP PROSPECT

COMMODITY:

GEMSTONE-(M) SEMIPRECIOUS  
SILICATES-PRIMARY  
STONE-(M) GRANITE DM-BYPRODUCT

BIBLIOGRAPHY:

USGS DIAMOND JOE PEAK QUAD  
ADMR MOHAVE FILE  
MEEVES, H., ET.AL., USBM IC 8298, P. 20  
USBM "U" FILE  
AZBM BULL 180, P. 106  
ADMR JEANENE BERYL FILE



(DUTCH FLAT NW)  
5253 III NW

Mapped, edited, and published by the Geological Survey

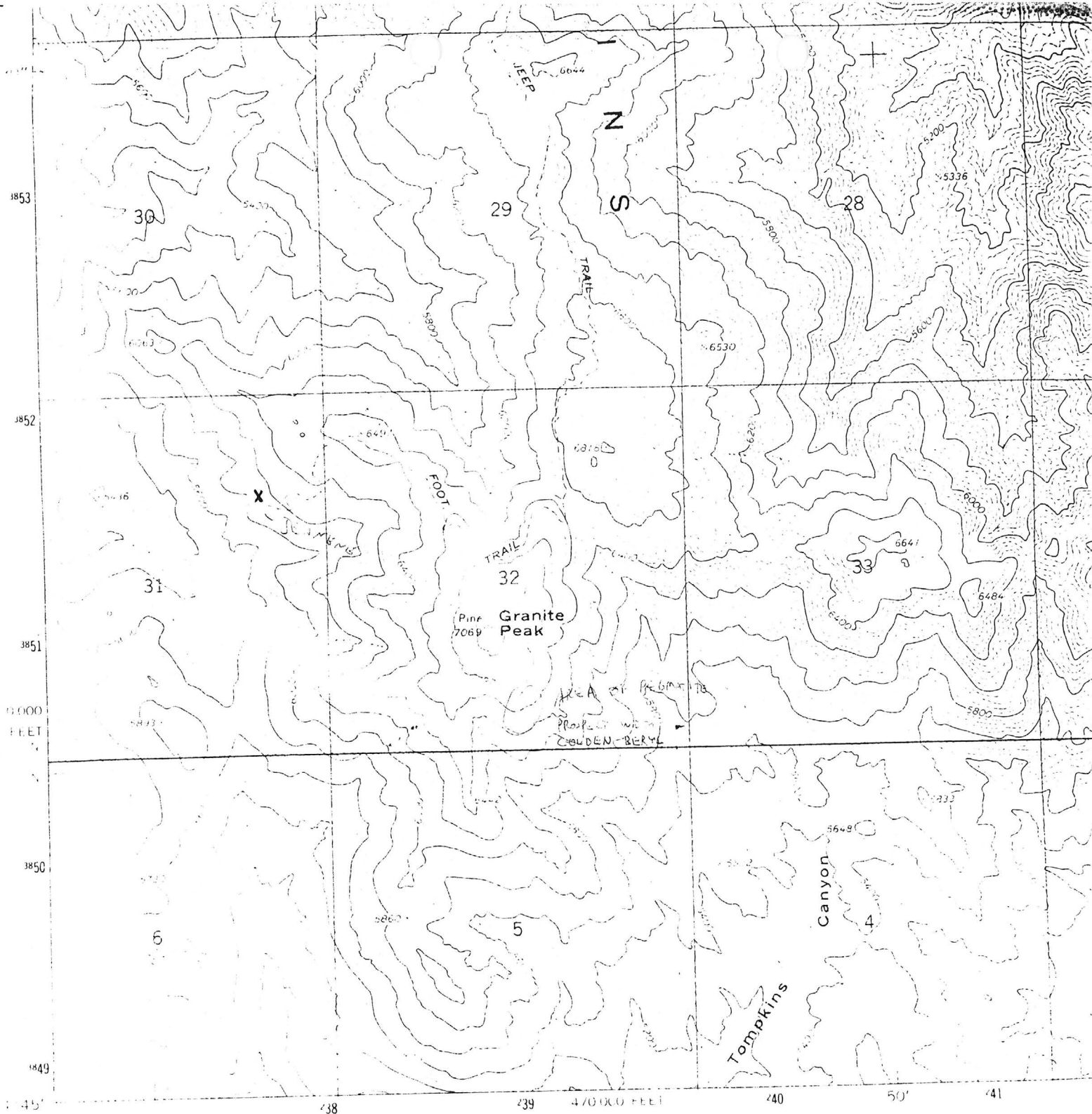
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1967

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Arizona coordinate system, west zone  
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Diamond Joe Peak 7.5'



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1967

Alconic projection. 1927 North American datum  
1:50,000-foot grid based on Arizona coordinate system, west zone  
1:50 meter Universal Transverse Mercator grid ticks,  
zone 12 shown in blue

DIAMOND JOE PEAK QUAD  
T16½N R15W Sec 31 NE¼



GRID AND 1967 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

FOR SALE BY U.S. GE  
A FOLDER DE

Mohave Arizona  
 County State  
 Property Name: Jeanene Beryl  
 Owner: Name Address Date  
 H. Congrove, H. L. Perry, E. Blevins, Kingman 12/18/62  
 B.S. Hill, Phoenix

Chief Mineral Beryllium No. \_\_\_\_\_  
 Accessory Minerals \_\_\_\_\_  
 Location: Secs. 30 & 31, T. 16½ N., R. 15 W.  
 about 32 miles SE of Kingman, Ariz.

Operator: 3910 E. Indian School Rd.  
 C. & P. Mining Co., Inc. Phoenix, Ariz. 12/18/62

Production: A few beryl crystals for use as specimens.  
 Total \_\_\_\_\_ From \_\_\_\_\_ to \_\_\_\_\_  
 Present Rate \_\_\_\_\_ Per \_\_\_\_\_ Date \_\_\_\_\_

Source of Information: Summary Report and OME-6267 report  
 by T.M. Romslo

Status \_\_\_\_\_ Date \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

USBM Report: File No. 463.2/25028

Classification: Prospect  
 (See other side for general information)

Jeanene Beryl, Mohave County, Ariz. Secs. 30 & 31, T. 16½ N., R. 15 W.

General Information: Known dimensions of 4 beryl zones range from 4 to 8 ft. length, 4 to 6 ft. width, and 2 to 6 ft. depth. Pegmatites appear to dip almost vertically. An area of about 100 ft. by 300 ft. is stripped to an average depth of about 5 ft. OME applicant's samples from enriched portions of 5 zones ranged from 1.0% BeO to 3.92% Be. Ratio of beryl to barren rock in zones about 1 to 100. ~~with average BeO~~ indicates average BeO content is about 0.1%. Beryllometer at U.S.B.M., Denver, detected no beryllium in specimens of coarse-grained granite.

Character of Ore: Beryl bearing zones in pegmatite bodies intruded in granite and diorite

~~Equipment (Date \_\_\_\_\_):~~

JEANENE BERYL

MOHAVE COUNTY  
T16½N R15W Sec 31 NE¼

NJN WR 5/11/84: Hal Perry (c), President of Sunstates Construction Co, 4400 W. Missouri #20, Glendale, Arizona, ph: 934;9298, visited and reported he was the operator of the Jeanene Beryl (file) Mohave County 25 years ago. He said that a good portion of the pegmatite was cut and needlessly buried by cat work when he was not there. That would probably warrant sorting and hand cobbing for beryl. His operation there still managed to produce over a 1000 lbs of beryl. The Jeanene Beryl was discovered by cowboys of the L Bar H Ranch in the 1920's. When he was prospecting in the area he discovered a pegmatite with golden beryl in it to the south of Granite Peak, S 45E from the Jeanene Beryl. He also prospected many of the pegmatites along the jeep road he built which comes from the north. He reported finding no beryl in those he examined.

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NJN WR 8/22/86: I learned that both Hal Perry (c) and Graham Sutton (c) have been working on improving the road to gain vehicle access to the Jeanne Beryl (file) Mohave County. I have gotten the two of them together so they may work jointly on this property. Mr. Sutton's interest is in the beryl gem and specimen potential which Mr. Perry would like to produce beryl for sale to Brush Wellman (c) for beryllium.

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NJN WR 8/22/86: Hal Perry (c) reported that Sante Fe Railroad is selling the land which contains Jeanene Beryl (f) Mohave County to an area ranch

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Name of Mine or Prospect: Jeanene Claims	Township 16 1/	Range 15W	Section 31	Priority B
Principal Minerals: Beryl	1:250,000 Quad Prescott	7.5' - 15' Quad Diamond Joe Peak		
Associated Minerals: Quartz, Feldspars	District Cedar Valley	Principal Product Beryllium		
Type of Operation: Surface: Prospects	County Mohave	State Ar.	Type of Deposit Vein	

Ownership or Controlling Interest:  
Emery Blevins, Wikieup, Ar. (1966)<sup>2</sup>

Access: From Wikieup, Ar., proceed north on U.S. 93 for 1 mile, turn left on light duty road for 10.5 miles. Turn right and proceed north on unimproved road for 7 miles. Turn left and proceed south on jeep trail for 5 miles. Prospect is shown (unnamed) on topographic quadrangle.

Structural Control or Geological Association:

"Beryl crystals in a 100 foot thick, pod-like, zoned pegmatite that intrudes Precambrian granite."<sup>1</sup>

"Zoned; 300 feet long, 100 feet wide. Large beryl crystals."<sup>2</sup>

Age of Mineralization:

Production History	Geochemical Analyses
	<u>Assay</u> <sup>1</sup> 3.9% B <sub>e</sub> O  <u>Assay</u> <sup>2</sup> Selected samples 0.0% to 3.92% B <sub>e</sub> O

#### References

- 1) ABM (1969) Bull. 180, p. 102-113.
- 2) Meeves & Others (1966) p. 20.

## MINE AND PROSPECT FIELD VISIT DATA SUMMARY

Sheet 1 of 2

COMMODITIES BerylMILS ID No. 479ADate 6/3/82ENGINEER Nyal J. NiemuthINFORMATION FROM: Nyal J. Niemuth

## PROPERTY SUMMARY

- I. MINE NAME Jeanene Beryl OTHER POSSIBLE NAMES \_\_\_\_\_  
INCLUDING ANY CLAIM NAMES NOTED \_\_\_\_\_
- II. LOCATION: T16 1/2 N R 15 W SEC(S) 31 NE 1/4 MINE DISTRICT \_\_\_\_\_  
ELEV. 5900' COUNTY Mohave TOPO QUAD. Diamond Joe Peak  
DIRECTIONS As on Topo. Jeep road is in fair condition but has a few spots too narrow for a pickup. The part labeled foot trail is also a jeep trail and goes all the way to the deposit. MAP ATTACHED Yes.
- III. OWNERSHIP: NAME Sante Fe Industries PHONE \_\_\_\_\_  
ADDRESS: Albuquerque, New Mexico  
COMPANY NAME IF ANY: Is subsidiary of Santa Fe Railroad  
PERTINENT PEOPLE \_\_\_\_\_
- IV. PROPERTY AND HOLDINGS: Section 31 is patented railroad grant land
- V. PAST PRODUCTION - NOTED, KNOWN, PROBABLE, UNKNOWN, NONE NOTED
- IV. CURRENT STATUS: ABANDONED *mineral*
- IV. WORKINGS: The dike has been exposed by a bench cut for its entire length with the entire intermediate zone developed.
- IV. GEOLOGY AND MINERALOGY: DEPOSIT TYPE: Pegmatite  
LENGTH: 125' WIDTH: up to 30' VEIN STRIKE North to N25E  
HOST ROCK: Precambrian Granite DIP - Variable 40' East  
ECONOMIC MINERALS: Beryl Comments: Pegmatite is zoned with a quartz core, 5'-10' thick, an intermediate zone of albite, biotite, beryl and occasional spodumene, 4" to 6" greater than 2', and an outer zone of quartz, K-Spar and Albite. 3' - 6' wide. The pegmatite sits on top of a diabase dike and is in contact with granite above. Many small 1/4-3/4" x 6-8" euhedral blue to blue-green beryl crystals occur in the (continue on Page 2.)
- IX. EQUIPMENT ON SIGHT: \_\_\_\_\_

X. SAMPLING: NOTE TYPE IF ANY, DRILLING? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

XI. REFERENCES AND REMARKS Meeves H.C., 1966 U.S. B. of M. IC 8298

The small size of the intermediate zone and of the beryl crystals left in what remains  
of the pegmatite would seem to preclude the possibility of a viable operation.

IV. Cont. - intermediate zone. Comprising an estimated 3% of the zone the beryl is usually closely associated with biotite (altered muscovite?). Occasional beryl crystals up to 2" in diameter were noticed.

COPY

Keep for your  
information & file

JUN 3 1982

6515 Glidden Lane  
San Diego, Ca. 92111

DEP

May 28, 1982

*Jeanene Beryl Property File  
Mohave County*

Mr. George Wagner  
Santa Fe Mining  
P. O. Box 3588  
Albuquerque, New Mexico 87109

Dear Sir:

Confirming our telephone conversation of May 27th, I am interested in a section of your railroad land that is east of Yucca, Arizona in the Hualapai Mountains.

I believe there could be a commercially viable deposit of beryl (ore of the Metal beryllium) and I would like to make arrangements to lease this section of land.

As I mentioned in our telephone conversation, this project would only be a profitable operation on a small scale; perhaps two or three persons. A mill or processing of the ore on the site is not needed as it would be shipped directly to Utah to be processed.

The leasing fee would be based on 5% of the mill value which, of course, would vary with the grade of the beryl.

Last November I incorporated the company "F. Russell Enterprises, Inc." for the purpose of prospecting and mining in Arizona although it is a California corporation. I am the president and principal stock holder. I mention this because the lease would be between this company and Santa Fe Mining.

Would you please send me the necessary forms that would permit my pursuit of this project?

Thank you.

*F.W. Russell*  
F.W. Russell

Copy to Kim Phillips

# Santa Fe Pacific Railroad Company



A SANTA FE INDUSTRIES COMPANY  
P.O. Box 3588  
Albuquerque, New Mexico 87190  
(505) 262-2211

June 9, 1982

JEANENE BERYL  
file

Request for Lease to  
Mine Beryl

Mohave County, Arizona

L-2-3-SFP

Mr. F. W. Russell  
6515 Glidden Lane  
San Diego, California 92111

Dear Mr. Russell:

This refers to your letter of May 28, 1982 requesting a lease on a section of land in Mohave County in order to mine beryl (ore of the metal beryllium).

I have referred your request to our geologist in charge of our ongoing Mohave County study. He has informed me that he would prefer not to lease in the subject area at this time due to insufficient information on the area.

It will be a year or more before the project in Mohave County is finished. Therefore you may want to inquire again when we will be better able to review your request.

Very truly yours,

G. R. Wagner  
Land Commissioner

GRW: gem