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08/14/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLUE MOON PROSPECT

ALTERNATE NAMES:

LENA  
JENNY  
LONA NO. 1 AND GENIE NO. 1

PIMA COUNTY MILS NUMBER: 284

LOCATION: TOWNSHIP 18 S RANGE 11 E SECTION 8 QUARTER N2  
LATITUDE: N 31DEG 53MIN 03SEC LONGITUDE: W 111DEG 14MIN 26SEC  
TOPO MAP NAME: TWIN BUTTES - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

URANIUM  
COPPER SULFIDE  
LEAD SULFIDE  
SILVER

BIBLIOGRAPHY:

US AEC PRR PIMA COUNTY ARIZ., 1951, P. 628,  
672  
GRANGER, H.C., & RAUP, R.B., 1962, USGS  
BULL. 1147A, P A31-A34  
ADMMR BLUE MOON PROSPECT FILE  
USBM "U" FILE

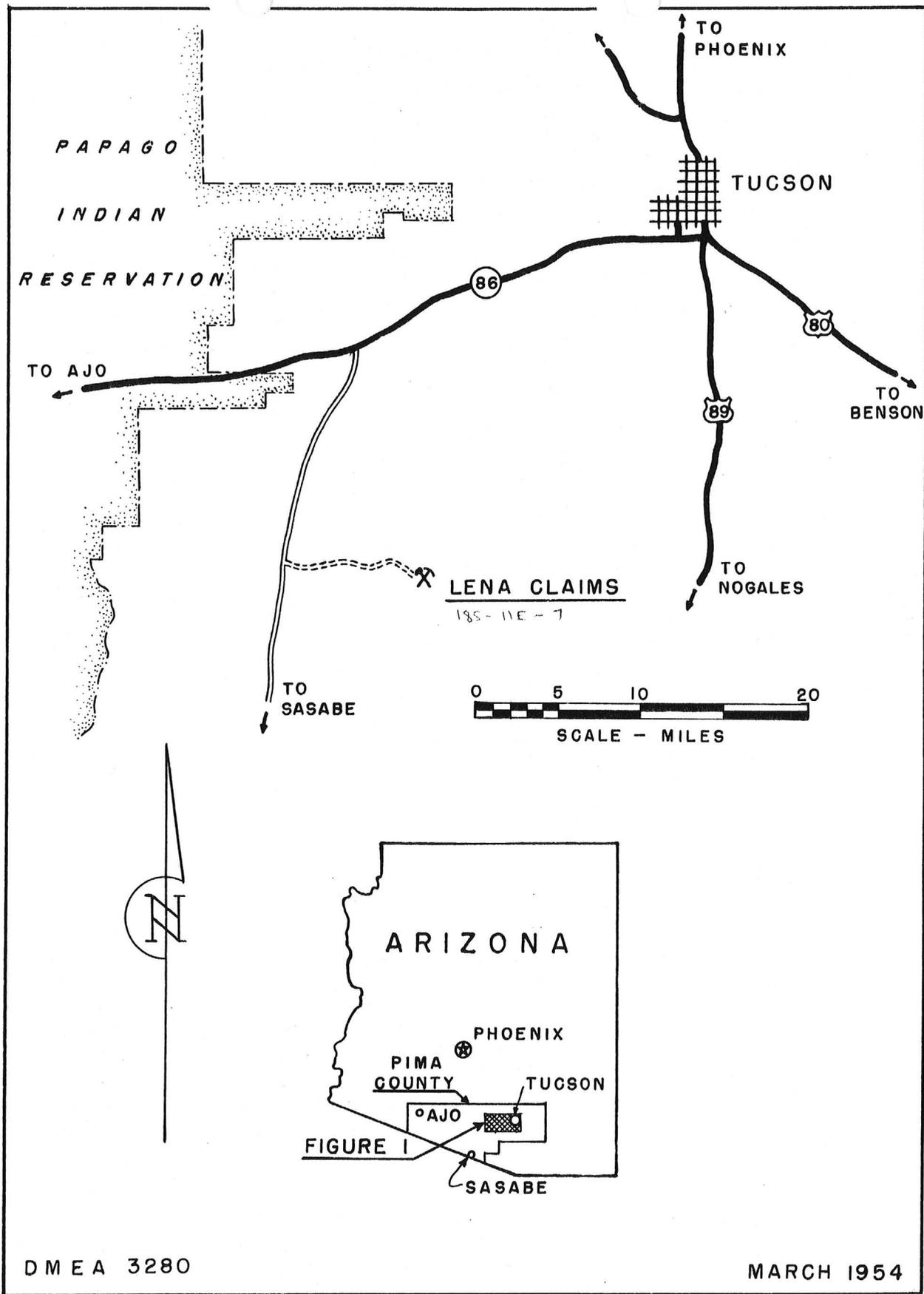


FIGURE I. - LOCATION MAP  
OBREGON'S LENA NO. 1 CLAIM (URANIUM) - PIMA COUNTY, ARIZONA

BLUE MOON PROSPECT  
aka Lona No. 1 & Genie No.1 Claims, Lena, Jenny

REFERENCES

PIMA COUNTY  
PAPAGO DIST.  
T18S, R11E, sec 5

USBM "U" File

USAEC Preliminary Reconnaissance Report p. 628 and 672

USGS Bull 1147-A page A-31

GJBX 143 1981 Radioactive Occurrences and Uranium Production in Arizona  
p. 233, ABG&MT Report

MILS SHEET sequence number 0040190297 LONA NO 1 AND GENIE NO 1 CLAIMS

**BLUE MOON PROSPECT  
(Formerly La Fortuna)  
Papago District**

Arizona

Pima Co.

Location

The property is located an estimated 2.3 miles easterly by sandwash road and trail from the Sunshine mine. It is reached by driving out the Ajo-Sasabe highway to a point about 3/4 the mile short of Palo Alto and turning left or easterly toward the Sierrita range. The old Sunshine mine road is still marked but is in very poor condition. The main working is on Ash Creek in S.5, T.18 S., R.11 E.

Ownership

The Blue Moon group comprises 10 locations-two claims wide along the outcrop of the fault zone. These locations are held by Mr. M. L. Obregon, 515 S. Park, Tucson, and his partner Mr. Nalvoretta.

Description

The slates and phyllites in which the Sunshine mine lime stone lense is located is succeeded to the east by intrusive rock provisionally classed as aplitic to normal alaskite-granite. The Blue Moon prospect is situated within this intrusive. The structure is a wide crushed zone with gouge slips which strikes about east near the main working and dips south at an apparently flat angle of 30 degrees. The gouge slips show dips ranging from 20 to 60 degrees. The effect of the topography on the outcrop shows that the dip must average flat. The zone shows narrow rock masses of similar strike and dip that are interpreted as diabasic dikes.

The shaft collar is near or at the hanging wall side of the highly crushed zone and the bottom at 32.5 feet appears to be just below the footwall though this is not certain. The granite above and below the crushed zone is shattered, particularly on the hanging wall side. A few thin galena-bearing stringers can be seen at the surface cutting irregularly across the shattered granite.

From the bottom of the vertical shaft, an incline extends S 20 W at an average angle of 26 degrees for 66 feet. This incline follows a zone about 6 to 8 feet thick (where exposed) in which flat-dipping streaks, pods, and lenses of steel galena can be seen in very irregular distribution in amount. Thin gouges are more or less continuous on or near the footwall of this galena-bearing zone. A little quartz and sphalerite were identified. The grade of the 6 to 8-foot thick zone appears very low on the average but it was sampled to check it for possible disseminated lead away from the rich streaks. The workings were channel sampled at eight points across a true thickness averaging six feet, the whole being made into one general sample. This preliminary sample assays:

	Au	Ag	Pb	Zn	Cu
0.005	1.4	4.1	0.1	0.04	

Blue Moon

The lead value is probably entirely within the visible stringers and pods which could be readily sorted from the barren crushed granite. The eight channel cuts are distributed over the whole of the workings and should be roughly representative of grade. A sample cut up the vertical shaft above the main galena-bearing part of the crushed zone, representing a thickness of about 24 feet, assays:

Au	Ag	Pb	Zn	Cu
0.001	0.1	0.5	0.1	0.04

Several very thin galena-bearing streaks observed when the sample was cut probably furnished the total lead content or nearly so.

A third sample cut along the east wall of the gulch in rock, from the shaft for 110 feet southerly, assays:

Au	Ag	Pb	Zn	Cu
0.001	0.1	0.2	0.1	0.04

A few thin galena-bearing stringers probably furnished all or nearly all the lead in this sample. ~~XXXXXXXXXX~~ A sample was cut in three channels across the eroded remnant of the dump; it assays:

Au	Ag	Pb	Zn	Cu
0.001	0.4	0.4	0.1	0.06

All the above samples indicate that the crushed zone does not contain any appreciable amount of disseminated lead which appeared to be the only possible merit of the property from a company standpoint. A character sample was taken of high grade sortings on the dump; this assays:

Au	Ag	Pb	Zn	Cu
0.01	7.9	27.4	7.1	0.52

The crushed zone continues easterly and westerly as a sinuous cropping for thousands of feet. It has been prospected by shallow pits and trenches and a few thin lead stringers exposed. Some work was done on tourmaline veins, pods, and disseminated tourmaline within the granite.

A road in the sandwash could be built by blasting out three boxes of the canyon.

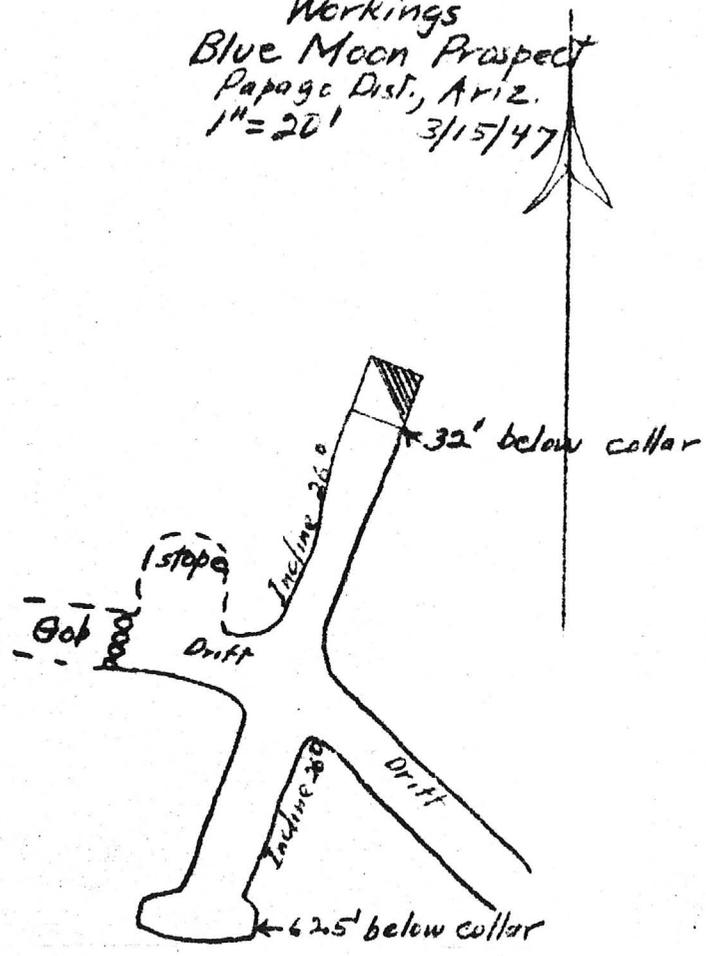
Summary

The Blue Moon prospect is in a crushed zone 10 to 50 feet thick within granite. The ore is almost entirely in visible stringers and pods of steel galena or quartz with galena. The chance of the property from what can now be seen lay in the possibility of disseminated galena in the crushed granite between the stringers. Sampling indicates that such dissemination is absent or extremely minor and that grade is very low. Possibly a little lead could be produced by room-and-pillar mining with underground sorting and back-filling of the rejects.

Visited: 3/15/47  
WRJ & RMH

*RMH*  
Robert M. Harnon  
March 22, 1947

Workings  
 Blue Moon Prospect  
 Papago Dist., Ariz.  
 1" = 20' 3/15/47



Year 1947 (continued)

1. Blue Moon Prospect (formerly La Fortuna)
2. Papago District, Pima County, Arizona
3. M. L. Obregon, Partner
4. Messrs. Hermon and Jones
5. Visited March 15, 1947
6. Lead
7. "The Blue Moon Prospect is in a crushed zone 10 to 50 feet thick within granite. The ore is almost entirely in visible stringers and pods of steel galena or quartz with galena. The chance of the property from what can now be seen lay in the possibility of disseminated galena in the crushed granite between the stringers. Sampling indicates that such dissemination is absent or extremely minor and that grade is very low. Possibly a little lead could be produced by room-and-pillar mining with underground sorting and back-filling of the rejects."
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