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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BISMUTH

ALTERNATE NAMES:  
PORTAL CLAIMS

COCHISE COUNTY MILS NUMBER: 581

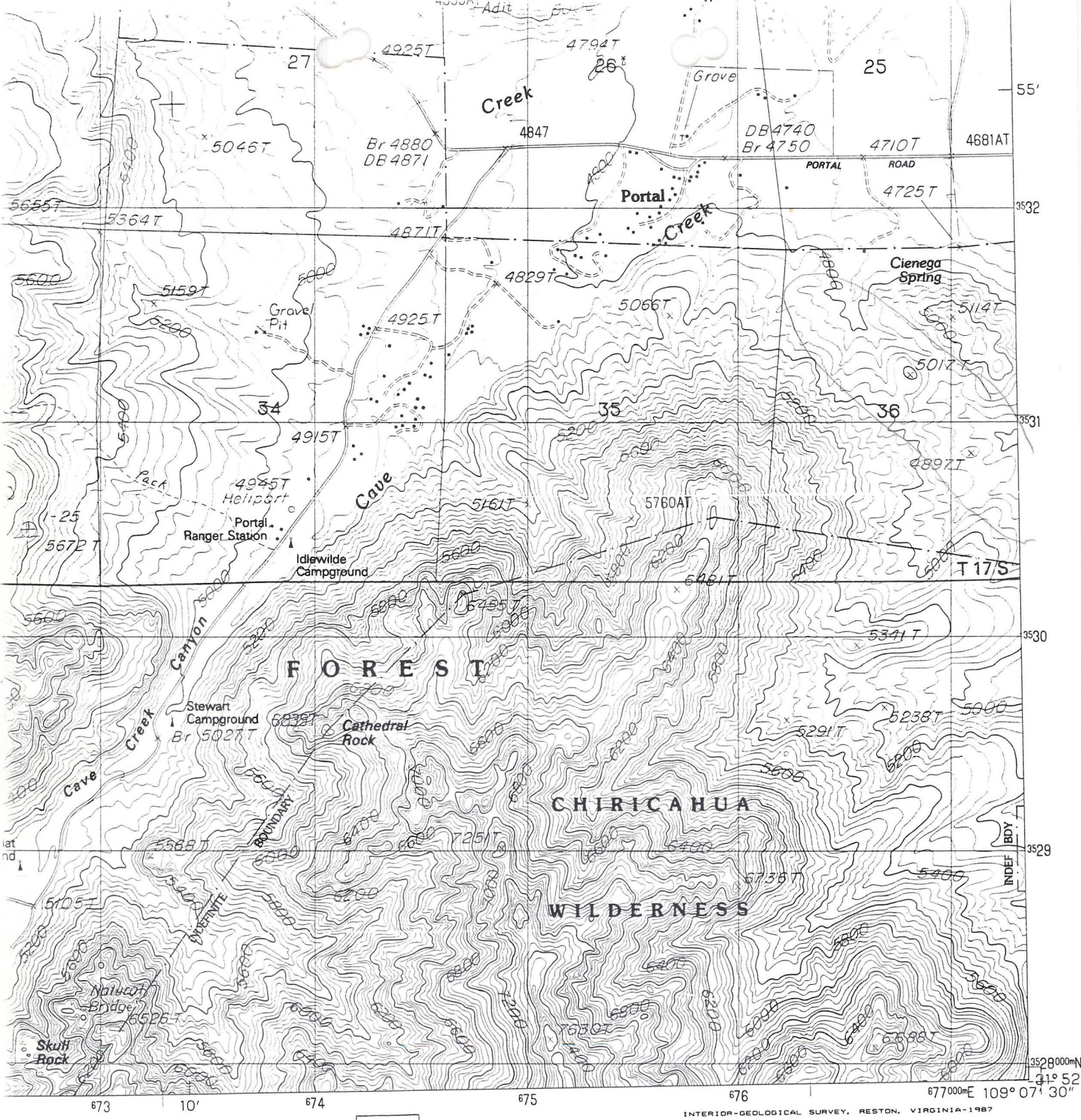
LOCATION: TOWNSHIP 17 S RANGE 31 E SECTION 36 QUARTER NE  
LATITUDE: N 31DEG 54MIN 29SEC LONGITUDE: W 109DEG 07MIN 30SEC  
TOPO MAP NAME: PORTAL - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:  
GOLD LODE  
SILVER  
BISMUTH

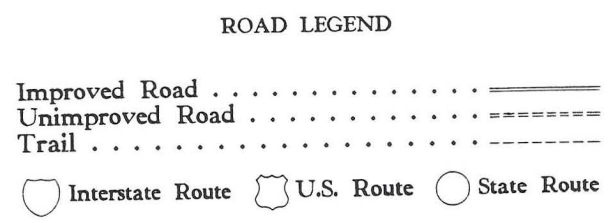
BIBLIOGRAPHY:  
AZBM FILE DATA CIRCA 1973  
ADMMR BISMUTH FILE





1	2	3	1 Cochise Head
			2 Blue Mountain
			3 San Simon Cienega
4		5	4 Rustler Park
			5 Portal NE
			6 Chiricahua Peak
			7 Portal Peak
6	7	8	8 Rodeo

ADJOINING 7.5' QUADRANGLE NAMES



PORTAL, ARIZONA  
PROVISIONAL EDITION 1987

31109-H2-TF-024



ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Information from: Allan Branham
2. Address: Newmont Exploration ltd., 1806 W. Grant Rd.,
3. Phone: Tucson, AZ 85745 (602) 882-6853
4. Mine or property name: Portal Project
5. ADMMR Mine file: Bismuth (Create file)
6. County: Cochise
7. MILS number: 581
8. Operational Status: Prospect
9. Summary of information received, comments, etc.:

Newmont filed 36 claims on the old Bismuth property. They propose to drill prospect holes when their plan is approved by the Forest Service. Local residents are opposed to the drilling. He indicated the area of interest on the attached map.

Date: 11/29/90

Richard R. Beard

Tucson, Arizona, January 9, 1938.

To  
Eagle-Picher Mining & Smelting Co.,  
Tucson, Arizona.

*This also may be Chase Mine  
or a separate occurrence.*  
P.B.

PROSPECTS TO TITS, R32E Sec 31 SW 1/4  
NO WORKINGS ON PORTAL NE 1987 T.O.P.O.

Memo.  
Lead Carbonate Mine  
California Mining District  
Portal, Cochise County, Arizona.  
J. L. Shad, Portal, Arizona, Owner.

The Lead Carbonate mine is located about 2 miles easterly from Portal, Arizona, about 1 mile, south, off the main, graded, highway from Portal Arizona to Rodeo, New Mexico, the nearest railroad point about 15 miles from the mine. The mine is easily reached by automobile.

The property is an old prospect from which a small tonnage of rich lead carbonate-silver ore was shipped to smelters in the early days, judging from the stringers of ores exposed in shallow workings and pieces of ores of silver chloride, and silver bromide, left on dumps.

Development work consists of many shallow open cuts and trenches, short adits and a 100-ft shaft, all confined to a small area of sparsely mineralized blue- and buff- colored limestone. The limestone reef strikes Northwest and southeast, and has been badly broken up, and in area where ores occur, shattered. The limestone has been terminated to the northwest, a few feet beyond where the small pockets of ores were found, by a wide dike of rhyolite. The ores occur in shallow gash veins in the limestone, and consist of carbonates of lead and zinc, as noted in the shallow workings, with lead and zinc sulphides showing in the bottom of the shaft in a cherty limestone. The 100-ft shaft is not accessible on account of bad air, but all material taken from the shaft is on the dump near collar of shaft, and the sulphide lead-zinc minerals were noted in what the owner stated was the material taken out of the bottom of the shaft. The fissures in which the ores occur are very narrow, and nearly vertical, and the owner stated that there is very little ore of commercial grade showing in the shaft workings. The Lead Carbonate property is but a prospect which, in my opinion, shows little promise of developing into a producing mine.

Mr. G. M. Harvey, who presented the property for consideration, submitted five samples (taken by himself or Mr. Shad) with no statement from where they were taken (but probably from the shaft workings) which assayed as follows:

No.	width	Gold Oz. PerTon	Silver Ozs. PerTon	Lead %	Zinc %	Iron %	Silica %	Lime %
1	20"	0.05	4.30	12.60	21.90	37.00		
2	3'	0.01	1.10	6.30	24.00	---		
3	48" barren	.01	0.60	---	---	---		
4	?	0.02	2.10	4.70	16.90	---		
5	Dump specimens	.03	3.00	18.80	18.10	17.40		(Probably sulphides)

Samples taken by F. H. Lerchen:

1	Residual galena, with casing of zinc carbonate:							
		0.03	6.90	33.60	28.10	---	8.40	
2	Cherty limestone, with galena and sphalerite, from bottom shaft (taken on dump):							
		Trace	1.70	4.80	30.50	---	---	6.29
3	Copper stained outcrop:							
		Tr.	1.50	---	---	---	---	---

The property does not warrant further consideration.

Yours truly,

*F. H. Lerchen*  
F. H. Lerchen.

Property visited December 17, 1937.



