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PRINTED: 08/02/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GOOD HOPE

ALTERNATE NAMES:  
BARNES

COCHISE COUNTY MILS NUMBER: 738

LOCATION: TOWNSHIP 17 S RANGE 23 E SECTION 16 QUARTER NE  
LATITUDE: N 31DEG 57MIN 30SEC LONGITUDE: W 110DEG 00MIN 09SEC  
TOPO MAP NAME: KNOB HILL - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:  
LEAD  
ZINC

BIBLIOGRAPHY:  
ADMMR GOOD HOPE MINE FILE

12/18/86

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COCHISE - Table Records

NUMBER 738	FILE F	CONT 0	CONT1 N	PRINAME GOOD HOPE					
ALTNAME1 BARNES				ALTNAME2					
ALTNAME3				ALTNAME4					
ALTNAME5				ALTNAME6					
CURSTAT UNKNOWN	MNAME KNOB HILL - 7.5 MIN			NLATDEG 31	NLATMIN 57				
NLATSEC 30	WLONGDEG 110	WLONGMIN 00	WLONGSEC 09	TOWN 17 S	RANGE 23 E	SECTION 16	QUARTER NE	COM1 PB	
MODI1	COM2 ZN	MODI2	COM3	MODI3	COM4	MODI4			
COM5	MODI5	COM6	MODI6	COM7	MODI7				
BIB1 ADMMR GOOD HOPE MINE FILE									
BIB2									
BIB3									
BIB4									

LIBRARY  
EAGLE-PICHER M. & S. CO.

Tombstone, Arizona, December 7, 1937.

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

Good Hope Mine  
Also known as  
BARNES MINE  
Dragoon Mountains  
Cochise County,  
Arizona.

The Barnes mine, relocated by Haney as the Good Hope mine, is located about 8 miles south of Dragoon, via 4.7 miles highway to Fourr Ranch, 2.9 miles by wagon road to base of mountain, and about 1 mile climb from altitude of 5840 feet at end of wagon road to 5720 feet at upper workings of the mine. Ore must be packed by animal from mine to end of wagon road.

The ores, consisting of zinc and lead sulphides, with very small amount of iron-copper sulphide (chalcopyrite), occur in "kidneys" in gash vein striking N35°E-S35°W, and dipping to northwest at about 60° from the horizontal. The kidneys of ore are very small, and while very clean, heavy sulphide, are of very infrequent occurrence. The ground has been opened up by open cuts and a few shallow shaft workings, from all of which ore has, apparently, been taken. The ore kidneys breaking clean from the enveloping limestone leave no milling ore behind. Judging from the size of the openings, and the dumps of barren limestone, but a comparatively small tonnage of ore has been taken out.

The last operator, Mr. Barnes, struck a small deposit of the heavy sulphide zinc-lead ore, which he removed, "as clean as a whistle", and packed to the bottom of the trail -- end of wagon road -- where it still remains. My guide to the Good Hope property assisted in removal of the ore, and says the pile at the bottom of the hill is the total amount taken out, about 3 tons only. Mr. Barnes, evidently discouraged, "bet it", according to reports, leaving behind debts to the amount of about \$150.00, in labor and provision accounts.

There is absolutely no ore left in sight, or exposed, in the old workings accessible for inspection, and no indications of other deposits, other than the usual garnet-epidote mineralization marking contact ore occurrences.

Surrounding the kidneys of ore is a casing of white material (decomposed limestone) which is reported to carry high lead values. I took a sample of this material. But two samples were taken, as follows:

Barnes-Good Hope #1. Casing surrounding kidneys of heavy zinc-lead sulphides.  
Barnes-Good Hope No. 2 Chip sample of 3 tons (more or less) of heavy zinc-lead sulphide ore stored at base of mountain, end of road.

Further than a few small kidneys of ore no tonnage can be expected from the Barnes-Good Hope mine.

Yours truly,

  
F. H. Lerchen.

Barnes-Good Hope mine visited December 5, 1937.

Note: This is one of the old Fourr properties, from which it is reported he shipped some very high-grade lead ore.