

COUNTY: Grant DISTRICT: Bayard  
INSPECTED BY: VTM, Raymond Chavez, Bob Garcia  
DATE: 12/8/93  
MINE NAME/ALAIS: Peerless  
USGS QUADRANGLE: Fort Bayard 7-1/2 49 40  
LOCATION: NW NW sec. 1 T18S R13W 32 46'55" 108 8'45"  
ELEVATION: 6060 ft.  
OWNERSHIP/DISCOVERY/PATENTED: patented 1980's  
DEVELOPMENT: shaft, 8 x 12 ft trench  
PRODUCTION, EXPLORATION: prior to 1943 4000 tons containing 102 oz Au, 12,000 oz Ag, 32,000 lbs Cu, 806,000 lbs Pb, 1,012,000 lbs Zn; 1943-1945 20,918 tons containing 518 oz Au, 32,698 oz Ag, 58,000 lbs Cu, 3,514,000 lbs Pb, 5,384,000 lbs Zn (Anderson, 1957), USBM drilled in 1946 and found Zn at 1800 ft  
STATIS: inactive  
GEOLOGY  
HOST: hornblende quartz diorite (Cretaceous)  
STRUCTURE:  
MINERLOGY: pyrite, sphalerite, galena, chalcopryite, smithsonite, Fe and Mn oxides, calcite, quartz, chlorite, smectite  
SIZE:  
ASSAYS:  
ALTERATION: chlorite-smectite, silicification, Fe and Mn oxides  
RECOMMENDATIONS: determine extent of acid generation  
TYPE OF DEPOSIT: Laramide vein  
COMMENTS: select dump sample Man J, shaft caved, large dump which produces acid during wet periods as evidenced by white Zn(?) precipitate  
REFERENCES: Soule (1947) RI4044, Farnham (1996), Jones et al. (1970) GQ-865, Lasky (1936) B970