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JPS

## ASARCO EXPLORATION RECORD

☐ FIELD EXAMINATION    ☐ LITERATURE SEARCH    ☒ ASARCO FILE    ☐ \_\_\_\_\_

## Section I General Indexing

① Name(s) of Property or Area CLEOPATRA MINE				② Country USA		③ State or Province AZ	
				④ USGS Quad. Artillery Peak 15'		⑤ File or Gora No. Mohave Co.	
⑥ Latitude 34°19'15"	⑦ Longitude 113°43'30"	⑧ AMS Sheet Prescott, AZ	Township 11N	Range 14W	Section SW/4 4	⑨ Examined by H.G.Kreis	⑩ Date 11/24/86
⑪ Office SWED						⑫ Field Days -0-	

## Section II Sources of Information

Date Typed 12/2/86

⑬ References				
Author	Date	Title	Publications	Vol. No.
B.N. Rickard	3/6/43	Cleopatra Mine	Asarco Files	

## Section III Appraisal

⑭ Recommendations			⑮ Production		
<input type="checkbox"/> Action Now	<input checked="" type="checkbox"/> Post Producer	<input type="checkbox"/> Geologic Concept	Commodity	Tons	Grade
<input type="checkbox"/> Too Low Grade	<input type="checkbox"/> Producer	<input checked="" type="checkbox"/> Geologic Concept	Flux Ore	3,000	.18 oz Au, .3 oz A
<input type="checkbox"/> Too Small	<input type="checkbox"/> Mineral Deposit	<input type="checkbox"/> Geochem Anomaly			1.6% Cu,
<input type="checkbox"/> Ownership Problem	<input type="checkbox"/> Prospect	<input type="checkbox"/> Geophy Anomaly			70% SiO <sub>2</sub>
<input type="checkbox"/> Access Problem	<input type="checkbox"/> Possible		⑯ Reserves		
<input checked="" type="checkbox"/> Future Work	<input checked="" type="checkbox"/> Flux Ore		<input type="checkbox"/> Measured	<input checked="" type="checkbox"/> Estimated	
⑰ Num. Drill Holes >2			12/2/87		
⑱ Excavations Couple small pits & several cuts.			40,000 Tons		
Approx Total Footage ?			Possible flux ore.		
⑲ Spectro. Analysis Attached			⑳ Assays Attached		
			㉑ Geochem Results Attached		

## Section IV Geologic Data

㉒ Commodity or Contained Metals		Au, Ag Cu	
㉓ Ore Minerals-Major		Au, CuOx	
㉔ Host Rocks-Major		Limestone, shale	
㉕ Age of Host Rocks		Probably Paleozoic	
㉖ Nature of Exposures		Apparently good exposures of mineralization in pits.	
㉗ Alteration		Silicification of carbonate beds.	
㉘ Total Extent		At least 10' thick, 600' long	
㉙ Structure		Bedding strikes N45°W and dips at 10° or 35° northeasterly. NW striking, W'ly dipping fault truncates mineralization on SW side.	
㉚ Ore Occurrence		Strong silicification with Au-Cu mineralization replaces favorable stratigraphic units (at least 2 units) along NW-SE fracture-fault zone.	
㉛ Age of Mineralization		Not known	
㉜ Conclusions & Recommendations		The occurrence of silicification-gold-copper replacing favorable carbonate beds suggests the potential for larger tonnages of this mineralization elsewhere in the district. Eventually this occurrence should be examined in the field, and the potential of the area should be evaluated. Unfortunately, in 1981 & 1983 Phelps Dodge staked the open ground in the Owens Mining Dist. from the Cleopatra to the Shannon Mine to the Bonanza Mine (≈2/3' of a township). Asarco should check to see if Phelps Dodge filed their 1986 assessment work.	

(For additional space use extra sheets)

Form Revised-June 1980-J.H.C.

MVK-5193