1770 0006

(72)

PROPERTY NAME: Sample location 1714*

OTHER NAMES: King Midas Mine?

MINERAL COMMODITY(IES): Pb, Ag?

TYPE OF DEPOSIT: Fault, replacement

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Lincoln Item 6

Mining District: Ely Springs

AMS Sheet: Caliente

Quad Sheet: Ely Springs 7 1/2'

Sec. 34?, T 1N, R 65E

Coordinate (UTM):

North 4|1|9|6|9|0|0 m

East 0|7|0|3|5|5|0 m

Zone +11

DEVELOPMENT: Inclined shaft & short drifts along fault zone. Shaft inclined 50° to NE. Remains of track at site. West of main sampled working is 15' deep shaft.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Host rocks for the deposit are thick bedded to massive, grey to brown dolomites & limestones of the Cambrian Mendha Fm. The thick beds are uniform & strike N30E & dip 40NW at minesite. Dolomites predominate over limestone which show calcite veining & algal fossil impressions. Yellow & white, calcite-coated shaley layers occur between the carbonate beds. Some layers show quartzitic laminations.

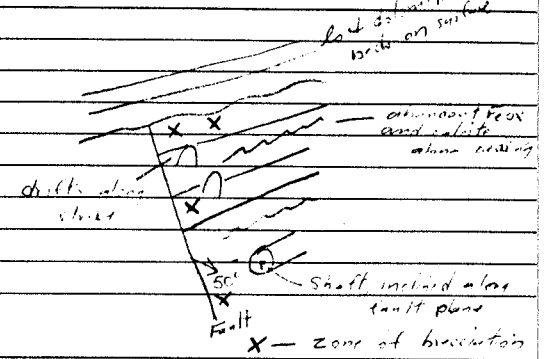
Main working is an inclined shaft & connecting drifts which explores an oxidized replacement zone developed along a N to N15W-striking, vertical to 50° NE dipping fault zone. Shaft is inclined along Fe-stained, calcite-coated, silicified, slickenside fault surface. Drifts explore zone along strike. Width of fault zone is about 6-10'. The zone is characterized by fracturing, calcite coatings & veins & abundant Fe & Mnoxs. Hanging wall rocks are especially fractured. Alteration & replacement of the limestone country rock is not solely restricted to fault zone but also extends outward from fault zone along bedding planes, especially affecting the more shaley layers. Fault does not extend to surface as carbonate beds above working are undisturbed across zone. Carbonate rocks adjacent to & within zone are highly silicified or oxidized (bleaching, & Fe-stained).

Sample 1714 consists of altered limestone replaced by galena(?) & now oxidized to cerrusite, anglesite & Fe Moxs. Calcite & wad are associated with the ore.

Shallow shaft west of sample location 1714 explores same bedded carbonate unit which is cut by a N70W, vertical fault zone about 4' in width. Fault zone is marked by brecciation & Feoxs. Host rocks are recrystallized or highly silicified.

Samples: 1568
1714

REMARKS: * This location fits description for King Midas Mine given in Lincoln County report. However, the workings to the north are larger and that location must be the actual King Midas (Headman) Mine.



REFERENCES: USGS PP 171

Byrd, 1970, Thesis on Ely Springs D.

NBMG, Bull. 73.

EXAMINER: Bentz/Smith

DATE VISITED: 9/15/83