PROPERTY NAME: Sample Location 1441
MINERAL COMMODITY(IES): Pb, Zn
TYPE OF DEPOSIT: Replacement/fissure/vein
ACCESSIBILITY: 
OWNER: 
PRODUCTION: Probably none, workings too small.

DEVELOPMENT: Series of short adits, prospects & shafts along vein structure. Lower adit (sample location 1441) is 10-12' deep & trends S70E. Largest working lies above sampled adit & is SE-trending inclined shaft about 30' deep.
ACTIVITY AT TIME OF EXAMINATION: Recent (within last year) scraping & trenching with bulldozer. Road to cabin is extensively bulldozed. Dozing may be in preparation for drilling. Upper roads not visited, possible drill site.

GEOLOGY: Short adit (sample location 1441) follows an oxidized sulfide replacement vein in thick (1') massive limestone beds belonging to the Cambrian Lyndon Limestone (or possibly the Pioche Shale.) Upper shaft is in bold carbonate outcrop which is most likely part of the Lyndon Limestone.

At lower adit the host limestone is a medium grey sugary, slightly dolomitic (silicified?) limestone which contains algal structures & fossil fragments. The thick beds strike N-S & dip shallowly to the E. Near vein, fossil remnants are replaced by calcite or Feoxs.

Vein is well exposed at lower & upper portals. The "vein" or altered fracture (fissure) zone is about 3-5' in width; at lower working the strike of zone is N70W & at upper working the zone is nearly E-W with vertical attitude. Altered limestone within zone is silicified & contains abundant Fe & Mn oxides. Replacement appears to have taken place along several vertical fractures or fissures at a high angle to the bedding. The altered rock within zone shows gossany honeycomb boxworks & irregular pods and veins of coarse calcite/siderite quartz maganosiderite. Sample 1441 was collected from outcrop at portal & consists of replacement ore with irregular clots galena, sphalerite, specularite, oxidized pyrite & abundant Fe & Mn oxides within a maganosiderite-calcite quartz gangue. Rocks are heavy, silicified & euhe'dral crystalline quartz lines vugs. Fe-rich "bands" occur along vertical fractures in wallrock adjacent to the vein. Siderite, rhodochrosite(?) & oxidized pyrite were observed in altered (replaced) limestone on upper dump.

REMARKS: Cabin of hand-hewn limestone blocks below workings.
Sample 1441.

REFERENCES: 

EXAMINER: Bentz/Smith  DATE VISITED: 8/27/83