

4680 0019  
PROPERTY NAME: East China Pit  
OTHER NAMES: \_\_\_\_\_  
MINERAL COMMODITY(IES): Sulfur  
TYPE OF DEPOSIT: Hydrothermal - Hot Spring  
ACCESSIBILITY: Good road access  
OWNERSHIP: On patented claims, ownership unknown  
PRODUCTION: Tonnage unknown; mostly for agriculture.  
HISTORY: Production of screened sulfur at some time prior to 1966. Extensive drilling in 1966. Average grade mined said to be 15-38% S.

(143)  
County: Humboldt Item 20  
Mining District: Sulphur  
AMS Sheet: Lovelock  
Quad Sheet: Sulphur 7 1/2'  
Sec. unsur. 35, T 35N, R 29E  
Coordinate (UTM):  
North: 4 15 12 15 11 10 10 m  
East: 0 13 15 17 15 10 10 m  
Zone: \_\_\_\_\_

DEVELOPMENT: Pit is 350' long N10°W, 100' wide and up to 25' deep

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: The Sulphur District is about 6500 feet long and averages about 1800 feet wide with NNE trend, bounded on the east and the west by major faults. Rocks exposed in the district are of Tertiary age and are predominately well-cemented conglomerates and some sandstones. Generally these rocks dip eastward at low angles. Most of the rocks are altered; the alteration products are variable and include silicification, opalization, argillization, and alunization. Sulfur has been mined from about a dozen pits; sulfur generally is not present beyond these pits. The sulfur occurs as disseminated grains, preferential replacement of conglomerate matrix, irregular veins and masses, and coatings in fracture surfaces. Mercury is present in some of the material and some silver occurs at the south end of the district.

In this pit all rocks are moderately to strongly altered but conglomerate clasts are commonly recognizable. much of the rock contains little or no sulfur. Sulfur is concentrated in 3 or 4 irregular areas up to 20' across where it makes up perhaps one-fifth of the rock. Within these areas some small bodies are quite pure. Most stringers of sulfur are semi-horizontal, probably reflecting bedding attitude which otherwise is not visible.

REMARKS: Sample 2704, 2705 and 2706 are variations of material exposed.

REFERENCES: \_\_\_\_\_

EXAMINER: Keith G. Papke

DATE VISITED: 9/11/84