3090 0001

neak 259 Item 8

PROPERTY NAME: Mine Mountain

OTHER NAMES: None

MINERAL COMMODITY(IES): Hg, Pb, Ag and Ba

TYPE OF DEPOSIT: Vein system replacement alon a thrust.

ACCESSIBILITY: Approximately 7 miles west of Yucca Pass on the Nevada Test Site.

OWNERSHIP: U.S. Government

PRODUCTION: Unknown

HISTORY: Claim notices indicate exploration in the area as early as 1928, according to Cornwall, p. 39.

County: Nye

Mining District: Mine Mountain

AMS Sheet: Death Valley

Quad Sheet: Mine Mountain 7½"

Sec. _____, T _____, R _____

Coordinate (UTM):

North 4 0 9 3 9 9 0 m

East 0 5 7 6 1 8 0 m

Zone _____

DEVELOPMENT: Four shallow shafts and four adits, several prospect-pits and trenches and a good road and two retorts. One of the retorts is a make-shift arrangement below the eastern adiet, the second is a masonary and pipe job.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: At its crest, Mine Mountain consists of the upper-plate Devils Gate and Nevada Formations thrust over argillites and quartzites of the Eleana Formation. At this location the upper-plate rocks are highly fractured and faulted limestones and dolomites with minor sandstone (Orkild, 1968).

Nearly all of the mining activity is restricted to vein systems along high angle faults in the upper-plate rocks. The veins are commanly composed of brecciated quartzite, silicified dolomite, quartz and barite. A line of prospects on the eastern side of the mountain follows a N10W 65N shear. Exposed within the prospects is a 5 ft. wide vein of white barite, some quartz cemented breccia and minor sulfides. The vein is exposed along its strike for approximately 300 feet. Five samples from within the system were collected of various vein materials (Samples #1855 A,B,C, 1856 and 1948).

All four shafts are aligned along the crest of the mountain in an approximate N50E direction. The associated vein systems are also aligned in a northeasterly direction. All of the shafts are shallow and exist as open-holes without timbers. No entry was attempted. Samples from the adjoining dumps included numbers 1858, 1861, 1899 and 1923 and consisted of highly silicified breccia, crystalline barite, quartz with fine-grained crystals of dark gray metallics of Pb, Hg, Sb and Ag. The vein material from the western most shaft #1899 were more gossan-like iron stained breccia.

Two NE trending adits and several prospects are on the western side of Mine Mountain. The upper adit follows a N45E 35NW shear zone in a section dominated by silicified dolomite with minor quartzite (Sample #1862). The two prospect pits located above the upper adit expose a 3 foot wide vein in the same shear. The lower 135 ft adit explores the same shear lower in the structure, that bears N40E and dips at a steep NE inclination. The wall rock along the structure is mostly quartzite. About 30 feet from the portal some very low angle faulting was observed

(Continued on nest page)

REMARKS:

REFERENCES: Geological Map of the Mine Mountain Quadrangle, Nye County, Nevada Orkild, 1968
Geology and Mineral Deposits of Southern Nye County. Cornwall 1972 p. 39.

EXAMINER: Quade/Bentz

DATE VISITED: 1982-1983

PROPERTY NAME: Mine Mountain

OTHER NAMES:

MINERAL COMMODITY(IES):

TYPE OF DEPOSIT:

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County:

Mining District:

AMS Sheet:

Quad Sheet:

Sec. _____, T _____, R _____

Coordinate (UTM):

North _____ m

East _____ m

Zone _____

DEVELOPMENT:

ACTIVITY AT TIME OF EXAMINATION:

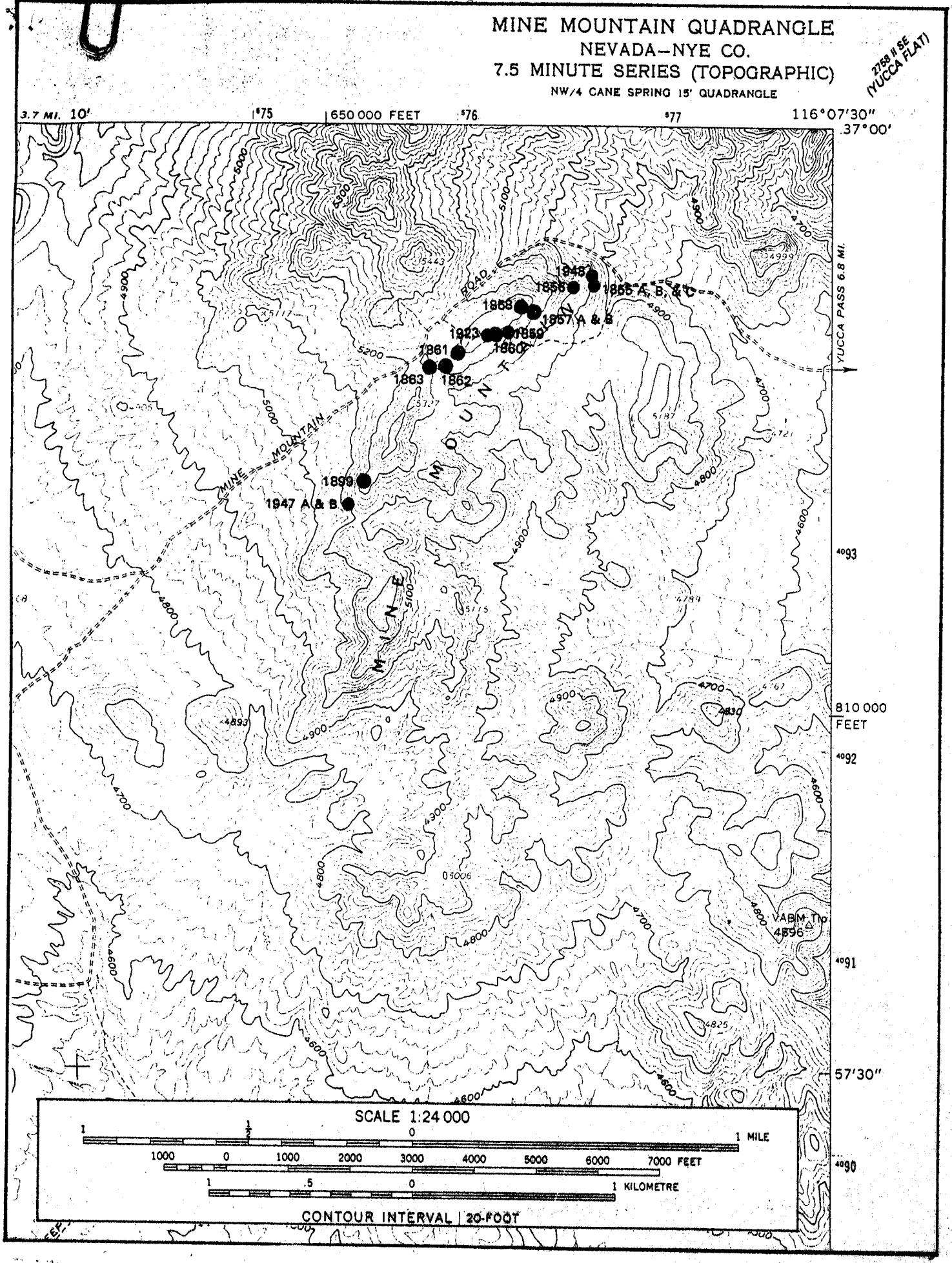
GEOLOGY: that may be the Mine Mountain thrust?. Sample #1863 was a silicified limestone breccia with barite and quartzite collected from both the adit and the dump. The central adit is along a N30E 60SE shear zone with several cross-cuts that explore the vein parallel to the main breccia zone. Sample #1860 was selected from the dump material outside of the adit. It consisted of silicified dolomite and quartz vein material with fine-grained crystals of inidentified dark gray metallics. Sample #1860B was a high-grade vein material in a gangue of white crystalline barite and minor quartz.

The eastern adit is on a N20W steeply dipping northeastern shear zone in silty dolomite. The structure cross-cuts another fault at a N60E direction. A vuggy quartz vein with adularia occurring along a NE vein (Sample #1857A). Sample #1857B was a highly silicified vein material containing some barite from the adit dump.

REMARKS:

REFERENCES:

EXAMINER: DATE VISITED:


MINE MOUNTAIN QUADRANGLE
NEVADA—NYE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 CANE SPRING 15' QUADRANGLE
2758 II SE (YUCCA FLAT)
3.7 MI. 10'
575
650 000 FEET
576
577
116°07'30"
37°00'
YUCCA PASS 6.8 MI.
1945
1856
1855 A, B, & C
1858
1857 A & B
1923
1859
1860
1861
1863
1862
1899
1947 A & B
MINE MOUNTAIN ROAD
MINE MOUNTAIN
4093
810 000 FEET
4092
4091
4090
57'30"
VABM Tnp 4896
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETRE
CONTOUR INTERVAL 20-FOOT