1370 0015	$\mathcal{O}(3)$
PROPERTY NAME: Delamar Mine	County: Lincoln Item 16
OTHER NAMES:	Mining District: Delamar
MINERAL COMMODITY/IEC). Au, Ag, Cu	AMS Sheet: Caliente
TYPE OF DEPOSIT: Vein, breccia filling	Quad Sheet: Delamar 7 1/2'
ACCESSIBILITY:	Sec1, T6S, R64E
OWNERSHIP:	Coordinate (UTAN)
	Coordinate (UTM): North 4 1 4 8 3 0 0 m
PRODUCTION: Main producer of Delamar District. \$12,854,600	East 0 6 9 7 4 0 0 m
MXXXXXXX worth thru 1933, not including reworked tailings.	Zone <u>+11</u>
DEVELOPMENT: Major working in district. Consists of extensive	underground workings & large
glory hole created in part by caving of stopes along vein st	ructures. Large dumps below
mine. Several raises & winzes surround glory hole.	
ACTIVITY AT TIME OF EXAMINATION: Extensive mine dumps below glory hole has sampled within last few years.	ve been trenched with backhoe &
Sampled within last lew years.	
GEOLOGY: The Delamar Mine is well described in Callaghan's	1937 Bull. & by Emmons, 1902.
The following was taken from their descriptions. Callaghans	description of the geology of
the various ore shoots & mine levels is excellent (see CRIB)	for annoted information).
According to Callaghan, there are 5 principal ore shoots. Mo along the Delamar or Monitor vein, which has a strike length	ost of the ore was localized
average strike of N18E, with a steep dip to the W. Cherty qu	lartz-cemented breccia provided
most of the mined ore, but high-grade values were obtained for	com narrow quartz veins. Several
dikes are present, including two E-W-striking rhyolite porp	phyry dikes & a NE-striking,
black mafic dike. The main vein is described as a fracture, brecciated & silica-cemented quartzite adjacent to the fracture.	with the ore found in the
concludes that the "black" dike was emplaced after the intrus	sion of the porphyry dikes. The
main rhyolite dikes cut the mineralized zone (i.e. they are	oost ore). Sulfide minerals
found in the cherty quartz which cements the quartzite breco	cia are extremely fine-grained.
Free visible gold is rare, except in the Hog Pen ore zone. The glory hole was examined during our examination	of the district but no attempt
was made to go underground or study the mine in detail. The	floor & walls of the hole are
caved & old timbers protrude from the sides of the working.	Medium-thick beds of Prospect
Mtn. quartz outcrop on north & west sides of the glory hole.	On the north side, the quartzites
strike N15E & dip 45SE. The quartzites are pink, well-sorted lenses. A highly altered cream-colored rhyolite porphyry dik	se intrudes the quartzites &
extends in a N50E orientation throughout entire mid portion of	
adjacent to this dike are epidotized & contain clots sericite	e, & lenses Mn & Feoxs in the
matrix. In some cases, the quartzite is cut by quartz vein 8	shows prismatic filled vugs.
The altered dike rock contrast strongly to the quartzites. T	The porphyry is bleached, highly
TENNERSXX argillized & pyritized. In places it must be fairly	silicified (adv. argillic)
because it is generally resistant to erosion. Fresh quartz &	
phenocrysts are the only recognizable constitutents. The mat	
altered to clays, quartz & sericite?, finely crystalline & co presumably after pyrite. The width of the dike is variable h	
South of the rhyolite dike in the southeastern par	
quartzites are notably fractured, Fe-stained & brecciated. T	The bedding of the quartzites on
the south is inconsistent with those on the north indicating	
adjacent to the rhyolite dike. The southern, or footwall quathe intrusive dike. In addition, a very dark "vein" or dike	
right angles to the rhyolite dike & is fairly conformable wit	
REFERENCES:	
(CONMINTED TO MINTED TO MINTED	
(CONTINUED TO NEXT PAGE)	DATE VISITED:
MATERIAL MAT	DOLL VIGILLIA

PROPERTY NAME: Delamar Mine (continued)	
	County: Lincoln Trem 18
"OTHER NAMES:	Mining District:
MINERAL COMMODITY(IES):	
TYPE OF DEPOSIT:	Quad Sheet:
ACCESSIBILITY:	, T, R
OWNERSHIP:	Coordinate (UTM):
PRODUCTION:	North I I I I I I I I I I I I I I I I I I I
HISTORY:	East
DEVELOPMENT:	
ACTIVITY AT TIME OF EXAMINATION:	
to by Callagnan. A knob of highly silicified, qua	g & may be the black dike or gouge referred rtzite breccia protrudes from the wallrocks
just east of the black dike.	
of dense, dark green, finely crystalline, propylit	xamined for mineralization. A minor amount
dump. The rock contains black hornblende crystals	in a plagioclase - chlorite matrix
ROCK is chioritized & shows some effects of leachi	ng, but apparently unmineralized. The
best mineralized sample (1/50) consists of quartzi	te veined by quartz & quartzite breccia
cemented with white to greenish cockscomb to sugar	y quartz. The quartz contains malachite
chrysocolla, bornite & very fine-grained, unoxidize	ed pyrite & chalcopyrite. The Cuoys are
probably derived from the oxidation tetrehedrite c	halcopyrite or bornite which is reportedly
contained in the ore (Emmons, 1902; also see sampl	e description for 1750).
Samples 1749 - From dumps E of glory ho	le.
1750 - From dumps below glory h	ole.
REMARKS:	
REFERENCES: (1) Callaghan, 1937, Geology of the Delamar 1	District, University of Nevada Bull., v.31,
no. 5 (2) Emmons, 1902, Trans. Am, Inst. Mining En	g., V. 31, p. 658.
EXAMINER: Bentz/Smith	9/30/83
ENTITION	DAIL FINITU.