(74)
Item 7

Elko District, continued.

be used in television. So far diatomite has been found to be superior to anything tried for the purpose.

3770 0007 The plant is located about 2 miles north of Carlin on a siding of the S.P.R.R. North of the plant 2 miles is the mine which is on a large bedded deposit, the outcrop of which may be traced several miles northwesterly. It occurs in lake beds of Tertiary age, dipping SE at an angle of 36°, and at the mine shaft the strike is N 35 W. Mining is done underground through flatly inclined shafts following the dip of the beds; the stoping is by the worm and pillar method. The ground stands fairly well; in one place a stope 280 feet long, from 20 to 30 feet in diameter extends underground without timbering.

The commercial strata are of highest quality fresh water diatomite, very light and white, but the mineable beds vary in thickness from 1' to 5', interbedded with hard strata of limestone and sand. The material is hand sorted, a very clean product entirely free from sand and silica being obtained, which is conveyed to the mill by motor trucks.

A description of the deposit of the Tri-O-Lite Company is given by V. L. Eardley-Wilmot, in a bulletin published by the Canada Department of Mines, Ottawa, entitled "Diatomite, Its Occurrence, Preparation and Uses".

Fig. 1. Diatomite preparation plant of Triolite Products Co., near Carlin, Nevada.

→ (74)

On the morning of June 2nd, we departed from Elko in company with F. Davis and Stanley E. Davis to visit the Railroad or Bullion District, and the property of the Nevada Bunker Hill Mines Company. The property is located 31.5 miles southwest of Elko, reached over a winding road of moderate grades.

The history and description of the district as recorded by Lincoln is com-

Elko District, continued.

plete, and there is little to add. The world war stimulated a little activity, but since then, excepting occasional small shipments by lessees, the district has been idle.

A tunnel 3600 feet long has been driven into the mountain to intersect the fissures 500 feet vertically below the old workings. The heading is now near the objective, and geologic evidence favors the view that ores similar to those profitably mined at and near the surface may be found at the tunnel level.

(113)

Lynn District, Eureka County

Lynn District was visited on June 3, 1932. Placer mining is being done on both sides of the mountain, and the Big Six mine and mill are being operated on a small scale.

The district is composed of high, smooth, well-rounded sagebrush covered hills. The formation consists principally of Tertiary rhyolite, which is traversed by small quartz veins and larger mineralized areas occurring in shattered zones.

Fig. 2 Looking S over 6 Company mine buildings, Lynn District, Nev. High rolling well rounded land, covered with sage brush.

Lynn District, Eureka County, continued.

quartzite are again exposed where the rhyolite has been eroded away. It is stated that there are intrusions of a later andesite in the rhyolite, but we did not observe these during our brief survey.