



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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Stephens

East Hwy 70 to Duncannon

Hwy 75 North to Clifton

3½ to 4 miles -

Property on East side ¼ to ½ mile

① 3 miles

② 3½ miles

Stephens Diatomite

3/11/59

- 3½ to 4 miles W of Duncan on E Side of Hwy 75
(Duncan Clifton Hwy) E from ¼ - ½ mile E of Hwy
- Leasing 170 ac on a Patented Homestead w/ minerals included w/ the homestead
 - Elmer Stephens, Duncan, Ariz
 - Geology -

The diatomaceous earth deposits are covered with from 1 to 4 ft of overburden. They were from 3 to 10 ft in thickness alternating between beds of clay. Some of the beds appeared to contain varying amounts of clay, & others appeared to be relatively pure.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Duncan
YORK Valley - Quad
Sec 12? 18S-32E

Mine ✓ Stephens Diatomite

Date March 11, 1959

District Greenlee County

Engineer Axel L. Johnson

Subject: Field Engineer's Report. Information from Byron D. Young on 3/11/59. Personal visit on 1/7/59

Location: About $3\frac{1}{2}$ to 4 miles north of Duncan, on the east side of Highway 75 (Duncan-Clifton Highway) and from $\frac{1}{4}$ to $\frac{1}{2}$ mile east of the highway.

Acreage: Leasing 170 acres on a patented homestead with minerals included with the homestead.

Owner: ✓ Elmer Stephens, Duncan, Arizona.

Lessee: ✓ American Diatom, Inc.
3701 W. Indian School Road
Phoenix, Arizona

✓ Jim Farmer, President
✓ Byron D. Young, Vice-Pres.
✓ A. H. Ellett, Secretary

Principal Minerals: ✓ Diatomaceous earth.

Present Mining Activity: None. No definite date set for starting operations.

Geology: The diatomaceous earth deposits, which I inspected on Jan. 7, were covered with from 1 to 4 ft. of overburden. They were from 3 to 10 ft. in thickness alternating between beds of clay. Some of the beds appeared to contain varying amounts of clay, and others appeared to be relatively pure.

Milling & Marketing: The diatomaceous earth will be shipped in bulk to a buyer in El Paso, Texas, to be used there as pozzolan material. It may be run through a primary crusher before shipping. The time and amount of shipments will depend on the requirements of the El Paso buyers.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Duncan Diatomaceous Earth Deposits

Date Jan. 7, 1959

District Greenlee County

Engineer Axel L. Johnson

Subject: Field Engineers Report. Personal Visit & Information from Ben F. Billingsley.

On report that diatomaceous earth was being mined near Duncan, the field engineer went in search of the site of operations. Field engineer found two deposits where past operations had been conducted, but no present mining operations. The places visited were as follows:

- (1) Ore deposit about 3 miles N of Duncan on right side of Duncan-Clifton road, which had been stripped and a cut made in same from old operations. There is an overburden of clay 3-4 ft. thick, and the diatomaceous earth is only about 4 ft. thick, as indicated by erosion on the side hill.
- (2) A second deposit about $3\frac{1}{2}$ miles N of Duncan on the right side of the Duncan-Clifton road. This deposit had very little overburden, except in a few places, and appeared to have considerable thickness, but the actual thickness could not be determined. A number of cuts had been made in this deposit, by old operations. Also there was an old road, which now was in poor shape for lack of use and repairs. A few recent truck tracks on this road indicated some recent inspection and possibly sampling.

Mr. Billingsley, who informed me as to the location of these deposits, stated that he had been informed that a party was planning to start operations on one of these deposits. He did not recall the name of this party.