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UNION PACIFIC RAILROAD COMPANY

PERLITE RESOURCES

Meadow Valley Wash Area

Clark and Lincoln Counties, Nevada

Beaver and Millard Counties, Utah

By K. L. Cochran, Geologist
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Present workings consist of an open pit which is operated by first drilling and blasting and then loading broken material by hand on a conveyor belt from pit to mill. As production requirements increase, the mining problem will become simpler. (See Plate III)

The property is about 50 miles from Las Vegas and about 35 miles from a loading ramp at Boulder City. Mr. Tanner plans to ship crude material to distributing points in California.

Indicated reserves of good quality granular, gray perlite are estimated at 10,581,000 tons.

The plant is in position to produce both plaster and acoustic aggregate. The latter is a larger bubble product and has been found satisfactory. Some experimental work has been done toward production of a perlite aggregate building block and lightweight wall board or lath.

Leech Perlite Deposit - Lincoln County, Nevada

The Leech Perlite deposit is located 23 miles northeast of Pioche via 7 miles of oiled highway No. 93 and 16 miles of poor to bad desert road. It is situated in the SE $\frac{1}{4}$, Section 16 and NE $\frac{1}{4}$ Section 21, T.3N., R.68E., Lincoln County, Nevada, on the low foothills of the Wilson Range.

The property consists of two placer claims (40 acres) in an unorganized mining district. It is held by location by Mr. Paul Leech of Pioche, Nevada, and is 23 miles from the Union Pacific Railroad Pioche branch.

The deposit is, apparently, flat lying over an andesite flow. All of the capping material has been eroded away and there is but a minor amount of overburden. The perlite is dark gray to black, "onion skin" type, glassy and fairly free of contaminating materials. The deposit is 600 feet long by 500 feet wide by 50 feet thick, having an estimated reserve of 1,725,000 tons.

Snow Perlite Deposit - Lincoln County, Nevada

The Snow Perlite deposit consists of two lode claims located in the Goldsprings Mining District, Section 23, T.1N., R.70E., Lincoln County, Nevada. It is owned jointly by Messrs. Wayne Snow, W. Atkin and Gile Hardy, all of St. George, Utah, and is under lease to Canadian Global Investment Company, Toronto, Canada. There are two deposits, one of which is reached via 13 miles of fair desert road northwest of Modena, Utah. By road improvements, the second and larger of the two could be reached by ten miles of road from Modena. There are no excessive grades and both properties are easily accessible.

Of the two deposits, the first is part of a dacite flow and considerable contamination is evident. The perlite is quite glassy, greenish-black in color and covers an area 1320 feet long by 600 feet wide by 50 feet thick. The second is a blackish-gray, granular flow and covers an area some 2640 feet long by 1320 feet

wide by 100 feet thick. There is but very little contamination in this deposit. Both deposits appear to be flat lying although there will be local variations due to the nature of the flows.

There has been no development of the perlite on this property and there is no production record. The exposures are large enough to indicate that mining would not be an expensive problem. Reserves are estimated at 29,615,000 tons.

Due to the nature of the deposit and absence of heavy overburden, the perlite can be mined by an open cut or quarry operation and trucked to the loading ramps now installed on the Union Pacific at Modena, Utah. It is 274 miles by rail from Modena to Salt Lake City.

There are no facilities at the property and only very limited supplies are available at Modena. The best plan for production from this property is to ship crude perlite to an expanding unit near a distribution center.

This deposit is favorably located to produce perlite for the Salt Lake Valley area.

UTAH DEPOSITS

Huntsman Perlite Deposit - Bloom Siding, Utah

The Huntsman Perlite Deposit consists of 14 placer mining claims located in an unorganized mining district in T.23S., Rges. 8 and 9W., Millard County, Utah. It is from $3\frac{1}{2}$ to 5 miles east of the Union Pacific main line between section stations of Cruz and Bloom Siding and is about 23 miles west of the town of Kanosh, Utah. Messrs. Alonzo and Harold Huntsman of Fillmore, Utah, act as agents for the locators.

The deposit is reached by 23 miles of fair to poor desert road west of Kanosh or by some six to eight miles of unimproved and poor desert road north of Pumice Station. There is no road from the deposit to the railroad at its closest point but both construction and maintenance of such a short road would not be expensive.

There are three classes or grades of perlite on this property. What appears to be the best quality is light blue-gray in color, granular to medium fine grained and is exposed along a steep hill (See Plate XVI) over an area 1,320 feet in length, 500 feet in width and approximately 100 feet in thickness. Portions of the exposure are overlain by a rhyolitic flow but there appears to be only a slight intermingling of this material with the perlite.

Another deposit on the property is called black perlite and covers a fairly wide area 2,640 feet in length, 500 feet in width and the thickness will approximate 100 feet. The material

SUMMARY NEVADA - UTAH PERLITE DEPOSITS

Name of Property NEVADA DEPOSITS	Name and Address of Owner	Estimated Ore Reserves		Tons Present Monthly Production	Distance from Railroad (Miles)
		Indicated	Inferred		
Eccles & Minto Deposits	Combined Metals Reduction Co. 218 Felt Building Salt Lake City, Utah	19,281,000	9,640,000	-	1
Acoma Perlite	J. Pulcepher Overton, Nevada J. L. Boykin Little Rock, California	38,700,000	21,850,000	-	8 to 10
Hollinger Perlite	J. Hollinger Pioche, Nevada (Leased to Combined Metals Reduction Company)	6,000,000	3,000,000	4,000	14
Fairview Perlite	Combined Metals Reduction Co. 218 Felt Building Salt Lake City, Utah	4,038,400	2,000,000	-	24
Emery & Henry Perlite	A. C. Emery & J. R. Henry Box 53 Searchlight, Nevada	214,450,000	-	600	21
Kopenite, Inc.	Kopenite, Inc. 169 No. La Brea Los Angeles 36, California	10,460,000	5,000,000	200	35
Robb Perlite	Jay Robb Glendale, Nevada	16,000,000	8,000,000	-	14
Johnston-Fitchett Perlite	S. Fitchett Carp, Nevada	2,680,000	1,000,000	-	13
Free Perlite	Darrel Free Panaca, Nevada	450,000	1,000,000	-	14
Leech Perlite	Paul Leech Pioche, Nevada	1,150,000	575,000	-	23
Searchlight Insulation Products	B. L. Tanner Box 1128 Las Vegas, Nevada	10,581,000	-	-	35
U. S. Perlite Products	A. R. Chandler 609 So. Grand Avenue Los Angeles, California	1,000,000	1,000,000	-	12
Snow Perlite	Wayne Snow St. George, Utah	29,615,000	-	-	13
Total Nevada Deposits		338,405,400	53,065,000	4,800	
UTAH DEPOSITS					
Huntsman Perlite	Allonzo Huntsman Fillmore, Utah	500,000	1,000,000	-	5
Utah Pumice and Perlite Co.	Byron A. Ray 409 Ness Building Salt Lake City, Utah	5,000,000	-	3,000*	5
UTCO Products Co. Perlite	H. H. Ellerbeck 1210 Continental Bank Building Salt Lake City, Utah	5,000,000	2,500,000	400	8
Total Utah Deposits		10,500,000	3,500,000	3,400	
GRAND TOTALS		348,905,400	56,565,000	8,200	