

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

March 1, 1943

Name Mountain View Clay Property ("Fire Clay") *Baker Dist., Baker Co*

Old Name Wahoo Claims

Owners Al and Maud Schroeder, Dewey Ave., Baker, Oregon.

Location Sec. 1; T. 10 S; R 40 E, or about 1 mile northeast <sup>of</sup> Quartz,  
Baker County, Oregon.

History The "clay" was first owned and worked by Messrs. Gossett and Wm. Caldwell, the latter a relative of the present owners. It is reported that these men had tests made in which the clay was molded into various pieces of pottery, and successfully fired, but there is no data on these tests. However, 9 tons was sold to the Sun Portland Cement Company, Portland Oregon, and a letter from them to Mr. Caldwell, July 16, 1923, gives the following information: "We are enclosing an analysis which was run by our chemist on your fire clay. Mr. Knappenburger wishes to advise you that this clay analysis shows a very high grade fire clay." The analysis is;

SiO <sub>2</sub>	-----	69.48
Al <sub>2</sub> O <sub>3</sub>	-----	16.14
Fe <sub>2</sub> O <sub>3</sub>	-----	.90
CaO	-----	1.70
MgO	-----	3.56
Loss on ignition	---	6.86

98.64

In a letter to a Mr. Ross, ceramist, Washington, Penn'a., Mr. Caldwell mentions having sold 100 tons for use in making fire brick, but further details on this transaction are lacking. It is known, however, that some was sold to the McKim and Company Machine and Foundry Works in Baker, and to the Oregon Lumber Company at Bates. In this latter connection, George Hammon, Plant Engineer for the Oregon Lumber Company, states that in lining a furnace they used a liquid paste of this clay for mortar, dipping their stock face bricks into it. In this capacity it held up well and compared satisfactorily with fire clay previously obtained from Idaho. However, their operating temperatures were low, seldom exceeding an orange heat.

Development There is a small cut which has pretty well sloughed in and a short tunnel.

Transportation The deposit is within a mile of the Union Pacific <sup>siding</sup> ~~station~~ at Quartz and highway 30, across fields sloping gently from the deposit.

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## Geology

The locale is a valley composed of lake bed sediments, ~~and~~ <sup>A</sup> Highway Department gravel pit a short distance from and below the fire clay shows alternate bands of small, well sorted pebbles and clay silt. Apparently this clay increases in quantity in proportion to the gravel higher in the section as considerable amount of yellowish clay is encountered between this horizon and that of the fire clay.

" " " <sup>to be</sup> appears ~~much like~~ a fine grained white tuff. It contains small angular rock fragments and pieces of wood and pebbles scattered through it. Locally it slacks down and was moderately plastic under foot where wet, but much of it was fairly hard.

The cut shows an estimated thickness of 30 to 40 feet of the material. Insufficient development work has been done to allow of a more precise description of the section. Columbia River basalt eventually caps the hill bordering the valley.

## Informant

Mrs. Schroeder  
George Hammon

## Report by

N.S.W.

*N.S. Wagner*

Mountain View

Schroeder Claims

Fire Clay

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

105 40E 1  
T R S

PUBLISHED REFERENCES

Organi 14c page 16.

Baker

COUNTY

Baker

AREA

ELEVATION

Just off highway 30

ROAD OR HIGHWAY

one mile to RR at Quartz.

DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S)

Al + Maud Schroeder

Address

Dewey Ave. Baker Oregon

OPERATOR

Idle

Name of claims Area Pat. Unpat.

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

None

DEPARTMENT OF GEOLOGY AND MINERAL RESOURCES OF THE STATE OF OREGON

RECORDS AND SURVEY RECORDS

51700 015

REPORTS

*Mountain View Play Property*

*NSW 3-1-43*

X

X

SHIPMENT AND ASSAY RECORDS

MAPS

Schroeder Claims - see Mountain View

Clay

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

10 S

40 E

1

T

R

S

PUBLISHED REFERENCES

Baker  
Baker

COUNTY

AREA

ELEVATION

ROAD OR HIGHWAY

DISTANCE TO  
SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S)

Al + Maudie Schroeder

Address

Baker Oregon

OPERATOR

Name of claims

Area

Pat.

Unpat.

Name of claims

Area

Pat.

Unpat.

EQUIPMENT ON PROPERTY

DEPARTMENTAL RECORDS ON FILE IN

DEPARTMENTAL RECORDS

DEPT.

Pat. & M. C. P. B.

MRS. MAUDE SCHROEDER.

Claims (clay) →

BAKER DISTRICT:

Has a group of 6 placer claims six miles southeast from Baker, the nearest town. Located 30 years ago and recorded in Baker county. Country rock is volcanic. Deposit of clay extends over an area of one mile in width and 2 miles in length. Tests on this clay show that it is valuable for furnace linings and is excellent for potter's use. There is a tunnel about 150 feet long. Owned by Mrs. Maude Schroeder, Baker, Ore. (Prescott--6/1/37).