

# State Department of Geology and Mineral Industries

The ore occurs in a metamorphic complex mapped by the State Office Building  
Geologic Map) as the Elkhorn Ridge Argillite. This constitutes the  
country rock in the instance of several other manganese showings in  
Lower Burnt River  
Baker County

## Lowgrade Claims (Manganese)

the Pleasant Valley area and for further description of reference

is made to U. S. G. S. Bulletin No. 879 on the Geology and Mineral

## Owners:

Frank DeHerritt and Ray Mayfield, Baker, Oregon.

Resources of the Baker Quadrangle and to Dogami Bulletin No. 17,

## Location:

Manganese in Oregon, Secs. 16, 17, 20 and 21.

## Area:

Five unpatented lode claims. These are laid out in an east-west

trending group with two claims situated end to end, adjoined on the

sides by two more claims also connected end to end. The fifth claim

Report by: W.S.W.

Date: 2/11/54

adjoins the group on the southeast side. As a group these claims overlap

Informant: Mr. J. V. Ellis, Ketell Investment Corp. - shipment data.

the common corner between the above listed sections.

## General:

The occurrence covered by these claims has no known early day history.

They were taken within recent years and leased by the owners to the

Ketell Investment Corporation of Portland during the summer and fall

of 1953. Development work by the Ketell Company resulted in the

mining and shipment of 5 carloads of ore. This ore was shipped to the

Geneva Steel Company in Utah. The total dry tonnage was 206.3 tons.

Manganese content ranged between 22.8 and 27.0 percent; Iron between

1.2 and 1.9 percent; and silica between 43.24 and 51.97 percent

according to the settlement records. Mining was discontinued in

November 1953 and the property reverted to the owners. It is

currently inactive.

*Geological and Mineral Resources*

The ore occurs in a metamorphic complex mapped by Gilluly (Baker Quad Geologic Map) as the Elkhorn Ridge Argillite. This constitutes the country rock in the instance of several other manganese showings in the Pleasant Valley area and for further description thereof reference is made to U. S. G. S. Bulletin No. 879 on the Geology and Mineral Resources of the Baker Quadrangle and to Dogami Bulletin No. 17, Manganese in Oregon.

\*\*\*\*\*

Report by: N.S.W.  
Date: 2/4/54  
Informant: Mr. J. V. Ellis, Ketell Investment Corp.-shipment data.  
Mr. Frank DeMerritt, owner,-general.

## LOWGRADE GROUP OF MANGANESE CLAIMS

Owners: Frank DeMerritt and Ray Mayfield, Baker Oregon.Location: T. 10 S., R. 42 E., Sections 16, 17, 20 and 21.

The figures given herein represent the production made by the Ketell Investment Corporation described in the green paper report prepared by the writer under the same title as above and dated February 2, 1954. All Figures were copied direct from Geneva Steel settlement records excepting for the tonnage given for lot No. 6. In this instance final settlement had not been made although the official analysis of the ore itself was completed and available. The tonnage in this instance was calculated by the writer using the moisture percentage reported on the assay returns and the gross wet tonnage from the operator's shipping record.

Lots no 1 and 7 were whipped by this company from the nearby Utah property and are given in a report under that name.

<u>Shipments</u>	<u>Dry Tonnage</u>	<u>Silica</u>	<u>Alumina</u>	<u>Iron</u>	<u>Magnesia</u>	<u>Sulphur</u>	<u>Iron</u>	<u>Phos</u>	<u>Mn</u>	<u>As</u>	<u>Zn</u>	<u>Settlement</u>
No. 2, 9-7-53	38.708	43.23	—	—	—	.013	1.2	0.60	27.0	.01	.02	\$21.60
No. 3, 9-10-53	41.407	46.67	1.94	.96	.38	.004	1.9	.018	22.9	.01	.01	18.32
No. 4, 9-17-53	43.759	48.64	2.84	.92	.38	.006	1.6	.024	24.9	.01	.02	19.92
No. 5, 9-18-53	42.233	45.20	1.60	1.46	.93	.007	1.6	.018	23.2	.01	.02	18.56
No. 6, 10-13-53	40.230	51.97	3.03	.92	.69	.011	1.5	.034	22.8	.01	.02	

Report by: N. S. Wagner  
Date of Report: February 2, 1954

702 Woodlark Building  
Portland, Oregon

Lowgrade Group of Manganese Claims

Lower Burnt River  
Baker County

Owners: Frank DeMerritt and Ray Mayfield, Baker, Oregon

Location: T. 10 S., R. 42 E., sections 16, 17, 20 and 21.

The figures given herein represent the production made by the Ketell Investment Corporation described in the green paper report prepared by the writer under the same title as above and dated February 2, 1954. All figures were copied direct from Geneva Steel settlement records excepting for the tonnage given for lot No. 6. In this instance final settlement had not been made although the official analysis of the ore itself was completed and available. The figures which are given here were calculated by the writer using the moisture percentage reported on the assay returns and the gross wet tonnage from the operator's shipping record.

Shipments	Dry tonnage	Silica	Alumina	Lime	Magnesia	Sulphur	Iron	Phos	Mn	As	Zn	Settlement
No 2, 9-7-53	38.708	43.24	—	—	—	.013	1.2	0.60	27.0	.01	.02	\$21.60
No.3, 9-10-53	41.407	46.67	1.94	.96	—	.004	1.9	.018	22.9	.01	.01	18.32
No.4, 9-17-53	43.759	48.64	2.84	.92	.38	.006	1.5	.024	24.9	.01	.02	19.92
No.5, 9-18-53	42.233	45.20	1.60	1.46	.93	.007	1.6	.018	23.2	.01	.02	18.56
No.6, 10-13-53	40.230	51.97	3.03	.92	.69	.011	1.5	.034	22.8	.01	.02	

Report by: N.S.W.  
Date: 2.2.54

702 Woodlark Building  
Portland, Oregon

Lowgrade Group of Manganese Claims

Lower Burnt River  
Baker County

Owners: Frank DeMerritt and Ray Mayfield, Baker, Oregon

Location: T. 10 S., R. 42 E., sections 16, 17, 20 and 21.

The figures given herein represent the production made by the Ketell Investment Corporation described in the green paper report prepared by the writer under the same title as above and dated February 2, 1954. All figures were copied direct from Geneva Steel settlement records excepting for the tonnage given for lot No. 6. In this instance final settlement had not been made although the official analysis of the ore itself was completed and available. The figures which are given here were calculated by the writer using the moisture percentage reported on the assay returns and the gross wet tonnage from the operator's shipping record.

Shipments	Dry tonnage	Silica	Alumina	Lime	Magnesia	Sulphur	Iron	Phos	Mn	As	Zn	Settlement
No 2, 9-7-53	38.708	43.24	--	--	--	.013	1.2	0.60	27.0	.01	.02	\$21.60
No.3, 9-10-53	41.407	46.67	1.94	.96	--	.004	1.9	.018	22.9	.01	.01	18.32
No.4, 9-17-53	43.759	48.64	2.84	.92	.38	.006	1.5	.024	24.9	.01	.02	19.92
No.5, 9-18-53	42.233	45.20	1.60	1.46	.93	.007	1.6	.018	23.2	.01	.02	18.56
No.6, 10-13-53	40.230	51.97	3.03	.92	.69	.011	1.5	.034	22.8	.01	.02	

Report by: N.S.W.  
Date: 2.2.54