EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV.: 4

DESCRIPTION OF DEPOSIT
FORM/SHAPE OF DEPOSIT: PODS

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT: SMALL
DEPTH TO BOTTOM: 5 FT.
MAX LENGTH: 12 FT.
MAX WIDTH: 4 FT.

COMMENTS (DESCRIPTION OF DEPOSIT):
SIZE VARIES, GENERAL GIVEN

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIPTION OF WORKINGS):
ADITS 90, 20, PITS, TRENCH

PRODUCTION
NO PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERTURF.):
23 MN, OCCUR

PRODUCTION COMMENTS:
MINED & STOCKPILED IN 1916, NOT SHIPPED

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS: PRE-LTRI
HOST ROCK TYPES: QUARTZITE QUARTZ MICA SCHIST QUARTZ MICA SCHIST
PERTINENT MINERALOGY: QUARTZ

IMPORTANT ORE CONTROL/LOCUS:
RHODONITE IN QUARTZITE IS ALWAYS WITHIN 100 FT. OF QUARTZITE - SCHIST CONTACT

GEOLOGICAL DESCRIPTIVE NOTES:
OVERTURFEN IS 2 TO 8 FT. DEEP

LOCAL GEOLOGY

SIGNIFICANT ALTERATION:
OXIDATION

GENERAL COMMENTS
U.S.B.M. STUDIED THIS AS TYPICAL OF THE TYPE
LEE PROPERTY (Manganese)

Leasee: Horace F. Lee.

Location: NW¼ sec. 6, T. 35 S., R. 3 W.;

Area: 160 acres.

History: The following is quoted from the Hodge 1/ report:

"The property is in the NW¼ sec. 6, T. 35 S., R. 3 W., under lease to Horace F. Lee, consists of 160 acres, on which there are several manganese outcrops. The manganese is a replacement in quartzite and was derived from rhodonite. It is very siliceous and of doubtful value as a manganese ore. The outcrops range from 2060 to 2520 feet in elevation and were opened in search of gold. The rock on the dump looks like fine manganese ore, but when fragments are broken, the manganese is revealed as only a superficial coating on quartzite. The dip of the quartzite is plus or minus 25° N. 60° E."

"The best showing is on the ridge where the manganese is lower in silica. The manganese would have to be hauled 11.5 miles to the Rogue River, then loaded into freight cars and shipped 306 miles to Portland by the Southern Pacific Railroad."

"A four-pound sample across the best manganese, from one to two feet wide, on analysis yielded:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiO₂</td>
<td>33.83</td>
</tr>
<tr>
<td>Fe₂O₃</td>
<td>9.79</td>
</tr>
<tr>
<td>P₂O₅</td>
<td></td>
</tr>
<tr>
<td>MnO</td>
<td>34.29</td>
</tr>
<tr>
<td>Undetermined</td>
<td>22.09</td>
</tr>
<tr>
<td>Moisture</td>
<td>1.66</td>
</tr>
</tbody>
</table>

1/ Hodge, Edwin T., Preliminary Report on some Northwest Manganese Deposits, War Department.

Reference: Leiby & Others 42:20 (quoted)