<table>
<thead>
<tr>
<th>NAME</th>
<th>OLD NAMES</th>
<th>PRINCIPAL ORE</th>
<th>MINOR MINERALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Struss Sand and Gravel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15 S</th>
<th>12 E</th>
<th>11 S</th>
<th></th>
<th>PUBLISHED REFERENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>H</td>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Deschutes COUNTY
- Unclassified AREA
- ELEVATION

<table>
<thead>
<tr>
<th>W.S. 28</th>
<th>ROAD OR HIGHWAY</th>
<th>DISTANCE TO SHIPPING POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 miles to Redmond</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PRESENT LEGAL OWNER (S)  J.A. Struss

OPERATOR  J.A. Struss

Address  Redmond, Oregon

Name of claims  Area  Pat.  Unpat.

Name of claims  Area  Pat.  Unpat.

EQUIPMENT ON PROPERTY

MI-21
MEMORANDUM REPORT

STRUSS SAND & GRAVEL UNCLASSIFIED DISTRICT DESCHUTES COUNTY

Owner-Operator:

J. A. Struss, Redmond, Oregon

Location:

T 15 S; R 12 E; S 11. This is on the Deschutes River at Cline Falls, 4 miles west of Redmond on U.S. Highway 28.

Area:

Deeded farm land.

History:

During the war sand and gravel was excavated from several sites along the river on this farm for the Redmond Airport and other projects by transient contractors. Struss, the farm owner, decided to go into the business himself, in 1946 and constructed a permanent type crushing plant which he has operated to date on a State Highway contract.

Plant and Pit:

Gravel is excavated by a fixed type drag line and conveyed from the pit to the crushing plant by a belt conveyor. Crushing is done in two phases---with a 15 x 21 jaw crusher first and a gyratory second. Screening is done dry.

Many layers of fine silty-sandy material occur in the pit. Some of these are quite thick. Their composition has not been determined, but it is likely that it will prove of only mediocre value as a source of top grade sand. The gravel streaks that occur contain a heterogeneous assortment of washed rocks
up to 1 ½ feet in diameter although this size is not abundant. Seven and eight inch boulders, however, are common. While the quality of material products from this pit might pass high specifications the occurrence is a messy one to work considering the extremes in stratification.

General:

All fine materials have been stockpiled in the pit for future washing as Struss is contemplating going into the commercial sand and gravel game after his State contracts have been filled.

Struss is an elderly, cordial and kindly man, and evidently he has been a successful one financially judging from his home, etc., but I gather that he has had little previous experience in this line of business.

Report by:

N. S. Wagner, February 13, 1947

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