SUMMIT LAKE TALC PROSPECTS


Area: Two lode claims were posted on December 7th 1959. Claim No. 1 runs west along the ridge from Summit Lake. The northwest corner of No. 1 claim is the south center end of claim No. 2 which runs north down the hillside.

Location: The claims are located in the center of sec. 11, T. 41 S., R. 3 W., between 4,000 and 4,800 feet elevation.

History: The occurrence has apparently been known for many years judging from the initial carvings along the ridge trail southwest of Summit Lake. The locators were told of the occurrence by Emmett (?) Phillips. A few blocks of the talc had reportedly been sawed and partly cut for chimneys.

Geology: The talc occurs as lenses and sinuous layers in the pre-Triassic schists. The schist is a greenish gray color composed of chlorite, sericite, quartz, talc, and minor amount of graphite.

Near the east end of No. 1 claim two or three talc zones occur in schist that strikes about N. 50° E. and dips steeply northwest. Dimensions of the talc bodies were not determined due to lack of good outcrops and absence of any trenching. Widths up to about 10 feet are indicated by float at the surface.

The talc occurrence on No. 2 claim lies between about 4,650 feet elevation and 4,100 feet elevation (altimeter readings are inaccurate due
Summit Lake Talc Prospects

- 2 -

to a rapid barometric change. At about 4,625 feet several large blocks of talc up to 10 feet in diameter occur between two small ridges of gray schist. At this point the talc zone may be as much as 20 or 30 feet wide but it is obscured by surface mantle. Foliation in the schist on either side of the talc strikes N. 30° E. and dips from 55° to 70° W. About 200 feet down the hill (north) the talc zone appears to be only about 10 feet wide.

Below the north end of claim No. 2 there has been extensive landsliding over a zone about ¼ mile wide and extending north down the slope a little over a mile to Squaw Creek. This ancient landslide very likely dammed the small stream to form Squaw Lakes. The slide area is still active and the hummocky slope contains many ponds. Boulders of talc are fairly common in the slide area.

The talc is a pale greenish-gray to tan color and is stained by iron oxides especially on fractures and in zones of more abundant limonite after pyrite. It is mainly of the massive or blocky variety and a smaller amount is schistose. The amount of non-talc minerals or impurities has not been determined. Except for the limonite and pyrite most of the talc appears to be fairly pure.


* * * * * * *
Please note that these are unnormalized values.

Fe is given as FeO (TOT FEO) and all H2O, CO2 and other volatiles are lost in the fusion process.

Because we don't analyze for volatiles, to use the analyses you must normalize the major elements (SiO2 through P2O5) to 100% and always quote the results as being "normalized on a volatile-free basis with Fe as FeO".

Also provided in the last three columns are:

FeO = 0.9 Fe as FeO
Fe2O3 = 0.1 Fe as Fe2O3 as used in Mg value calculations

TOTAL = Total of unnormalized values for major elements SiO2-P2O5 with Fe as FeO.

A rough estimate of loss on ignition in 100 – TOTAL – in the order of 1% (which means very low for talc), but let us know if you would like us to make a direct loss measurement & check.
**BULK SAMPLE ANALYSIS FOR ASBESTOS**

**REPORT**

**CLIENT:** Steatite of Southern Oregon

**ORDER NO.:** 87-317  
**DATE:** July 30, 1987

**REPORT**

**PROJECT:**  
**DATE ANALYZED:** July 29, 1987

<table>
<thead>
<tr>
<th>SAMPLE IDENTIFICATION</th>
<th>HP-2</th>
<th>HP-3</th>
<th>HP-10</th>
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<td><strong>LABORATORY NUMBER</strong></td>
<td>HP-2</td>
<td>HP-3</td>
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<tr>
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<td><strong>IDENTIFICATION</strong></td>
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<tr>
<td><strong>INFORMATION</strong></td>
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<td><strong>GROSS APPEARANCE</strong></td>
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<td></td>
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<tr>
<td></td>
<td>White with dark streak</td>
<td>Dark on partings</td>
<td>Dark on partings</td>
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<td><strong>HOMOGENEOUS?</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td><strong>OBVIOUS LAYERS?</strong></td>
<td>Chlorite</td>
<td>Chlorite</td>
<td>Chlorite</td>
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<tr>
<td><strong>FIBROUS?</strong></td>
<td>No</td>
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<td>No</td>
</tr>
<tr>
<td><strong>COLOR?</strong></td>
<td>Gray; powder, white</td>
<td>Gray; powder, white</td>
<td>Gray; powder, white</td>
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<td><strong>DOES THE SAMPLE</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td><strong>CONTAIN ASBESTOS?</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>ASBESTOS</strong> (Type &amp; Percent)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1. Chrysotile</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Amosite</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3. Crocidolite</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4. Other, specify</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PERCENT ASBESTOS</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>OTHER FIBROUS MATERIALS</strong> (Type &amp; Percent)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1. Fibrous glass</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Cellulose</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Other, specify</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NONFIBROUS MATERIALS</strong> (Description &amp; Percent)</td>
<td>Talc; thin seams of chlorite</td>
<td>Talc; thin seams of chlorite</td>
<td>Talc; thin seams of chlorite</td>
</tr>
</tbody>
</table>

**Analytical Analysis Method:** EPA recommended PLM with dispersion staining

**Sampled by:** John Pugh

**Reviewed and Approved By:**

**ANALYZED BY:** H. G. Schlicker

**ASSOCIATES**  
JOHN A. TALBOTT P.E., VICE-PRESIDENT  
RAYMOND E. CORCORAN P.G.
From the most delicate

To the simply elegant

Our Top Quality Soapstone will meet your carving needs
We have received numerous requests for information on firing Soapstone carvings in the past several years and have asked our customers if they have experience in firing our stone. The following is a response from June Sinor of Nashville, Tennessee.

**SOAPSTONE FIRING**

Soak the pieces in refined Linseed Oil from 3 days to a week, depending on size, then wipe off excess oil and place on newspaper at least another week.

Usually to be safe I test fire a large chip. I've been doing this by guesswork but a good piece of soapstone without major faults and not a lot of Talc crystals should be safe between these cone temperatures.

<table>
<thead>
<tr>
<th>Cone</th>
<th>Centigrade</th>
<th>Fahrenheit</th>
</tr>
</thead>
<tbody>
<tr>
<td>012</td>
<td>840</td>
<td>1544</td>
</tr>
<tr>
<td>011</td>
<td>875</td>
<td>1607</td>
</tr>
<tr>
<td>010</td>
<td>890</td>
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</tr>
<tr>
<td>09</td>
<td>930</td>
<td>1706</td>
</tr>
<tr>
<td>08</td>
<td>945</td>
<td>1733</td>
</tr>
<tr>
<td>07</td>
<td>975</td>
<td>1787</td>
</tr>
<tr>
<td>06</td>
<td>1005</td>
<td>1841</td>
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</tbody>
</table>

This is as high as I fire. Within this range the color will usually be very dark to black and the hardness will be between 5 to 7 on the Mohs' scale. I've had one exception to this and the stone turned a hard marbled cream color. It looked like Jasper. I don't know the reason, two other pieces in the same load turned ebony black. Remember, the bottom of the kiln is cooler than the top so I set mine on the bottom to be safe. You must not open the kiln until it is completely cool. The stone will still be too hot to handle. I've not lost any pieces but I did fire three pieces of my students work without oiling them first and they came out a coarse, grainy buff color, very dry, full of tiny hairline cracks but they did not break so we dyed them black with shoe dye and polished them the usual way.

Well, this is all I know first hand but one of the men in my class carved a snake wrapped around a chipmunk. The stone was a nice clear green. He took a propane torch and heated the surface of the chipmunk so the snake stayed the original green of the stone and the chipmunk turned very dark. He had no cracks but I haven't had reason to try it yet myself. Also, I was told by a sculptor from New York that she put her pieces in her self cleaning oven and put it on the cleaning cycle and it hardened to probably a 3 Mohs' without losing too much color. I didn't think to ask her if it was oiled.
<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Pounds Sold</th>
<th>Income @ Base Price</th>
<th>Total Income from Processed Stone</th>
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<tr>
<td>1973</td>
<td>1,324</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1974</td>
<td>10,792</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>22,864</td>
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<td>$5,650</td>
</tr>
<tr>
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<td>47,039</td>
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<td>$8,666</td>
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<tr>
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<td>393,542</td>
<td>$69,584</td>
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<td>$30,674</td>
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</tr>
<tr>
<td>1983</td>
<td>83,681</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1984</td>
<td>83,961</td>
<td></td>
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</tr>
<tr>
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<tr>
<td>Date</td>
<td>Beginning Balance</td>
<td>Ending Balance</td>
<td>Difference</td>
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<td>4,1837.74</td>
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<td></td>
<td>32,863.7 165</td>
<td>$ 5,146.19</td>
<td>$15,649.53</td>
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<td>14,681.85</td>
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<tr>
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<tr>
<td>Date</td>
<td>Accumulative Pounds</td>
<td>Accumulative Value</td>
<td>Date</td>
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<td>--------------------</td>
<td>----------</td>
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<tr>
<td>12-26-73</td>
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<td>$206.11</td>
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<td>9-15-73</td>
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<tr>
<td>8-31-1973</td>
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<td>1981</td>
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<td>12,165.7</td>
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<td>12-26-73</td>
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<td>1975</td>
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<td>1980</td>
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Approx. quantity hauled to Grants Pass

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<th>Period</th>
<th>Quantity (lbs)</th>
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<tr>
<td>6-4 thru 6-16-84</td>
<td>142,000 lbs</td>
</tr>
<tr>
<td>Total mined hauled 1984</td>
<td>142,200 lbs</td>
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<tr>
<td>4-22 thru 29-85</td>
<td>81,000 lbs</td>
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<tr>
<td>10-15 thru 20-85</td>
<td>90,000 lbs</td>
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<tr>
<td>Total mined hauled 1985</td>
<td>171,000 lbs</td>
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<tr>
<td>5-17 thru 5-25-86</td>
<td>82,500</td>
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<tr>
<td>9-13 thru 11-6-86</td>
<td>264,000</td>
</tr>
<tr>
<td>Total mined hauled 1986</td>
<td>346,500 lbs</td>
</tr>
</tbody>
</table>

% of mined actually sold by the year:

1984 = \( \frac{43,961.3 \text{ lbs}}{142,200 \text{ lbs}} = \frac{43,961.3}{142,200} \times 100 \approx 30.9\% \)

1985 = \( \frac{171,000 \text{ lbs}}{171,000 \text{ lbs}} = \frac{171,000}{171,000} \times 100 = 100\% \)

1986 = \( \frac{346,500 \text{ lbs}}{346,500 \text{ lbs}} = \frac{346,500}{346,500} \times 100 = 100\% \)

The yard was about cleared up on 6-10-87.

A more realistic figure would be:

1986 = \( \frac{99,152 \text{ lbs}}{346,500 \text{ lbs}} = \frac{99,152}{346,500} \times 100 \approx 28.6\% \)

We also increased the inventory by roughly 17,000 lbs:

1986 = \( \frac{111,152 \text{ lbs}}{346,500 \text{ lbs}} = \frac{111,152}{346,500} \times 100 \approx 32.1\% \)
EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV.: PROPERTY IS ACTIVE
YEAR OF FIRST PRODUCTION: 1973
PRESENT/LAST OWNER: JOHN PUGH

DESCRIPTION OF DEPOSIT
DEPOSIT TYPES:
METAMORPHIC
FORM/SHAPE OF DEPOSIT:
SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT: SMALL

DESCRIPTION OF WORKINGS
SURFACE

PRODUCTION
YES
SMALL PRODUCTION

CUMULATIVE PRODUCTION (ORE,COMMOD.,CONC.,OVERBUR.)

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ACC</th>
<th>AMOUNT</th>
<th>THOUS. UNITS</th>
<th>YEAR</th>
<th>GRADE</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>15 TLC</td>
<td>ACC 583.776</td>
<td>LB</td>
<td>1973-1979</td>
<td>CARVING STONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>FEW BLOCKS</td>
<td></td>
<td>PRE - 1959</td>
<td>FAIRLY PURE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS: JUR
HOST ROCK TYPES: SERPENTINE, QUARTZ-MICA AND EPIDOTE-ACTINOLITE SCHISTS

LOCAL GEOLOGY
NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: CONDREY MTN SCHISTS
   AGE: JUR
   K/AR 155 MY
2) NAME: APPLEGATE GROUP
   AGE: PERM-TRI

SIGNIFICANT LOCAL STRUCTURES:
LOCATED AT THE BASE OF A MAJOR THRUST FAULT.

COMMENTS (GEOLOGY AND MINERALOGY):
MASSIVE TALC PARTIALLY OR COMPLETELY REPLACES PODS AND KNOCKERS OF SERPENTINE.
Crib Mineral Resources File 12

Record Identification

Record No. ..........  M061930
Record Type. .......... XIN
Country/Organization. USGS
Map Code No. of Rec. ...

Reporter
Name. .................. SMITH, ROSCOE M.
Date. .................... 78 08
Updated. ................. 81 01
By. ...................... FERNS, MARK L.; (BROOKS, HOWARD C.)

Name and Location

Deposit Name. .......... SUMMIT LAKE

Mining District/Area/Subdist. UPPER APPLEGATE

Country Code. .......... US
Country Name: UNITED STATES

State Code. .......... OR
State Name: OREGON

County. ............... JACKSON
Drainage Area. .......... 17 APPLEGATE RIVER
Physiographic Prov. .......... 19 KLAMATH MOUNTAINS
Land Classification. .......... 41

Quad Scale. .......... 1: 62500
Quad No or Name. .......... RUCH

Latitude. .......... 42-00-60N
Longitude. .......... 123-01-23W

UTM Northing. .......... 4651400
UTM Easting. .......... 498100
UTM Zone No. .......... +10

Twp. .......... 41S
Range. .......... 03W
Section. .......... 11
Meridian. .......... WB & M

Location Comments: CEN

Commodity Information
Commodities Present. .......... TLC

Producer/First or Presenter.
SUMMIT LAKE TALC PROSPECTS


Area: Two lode claims were posted on December 7th 1959. Claim No. 1 runs west along the ridge from Summit Lake. The northwest corner of No. 1 claim is the south center end of claim No. 2 which runs north down the hillside.

Location: The claims are located in the center of sec. 11, T. 41 S., R. 3 W., between 4,000 and 4,800 feet elevation.

History: The occurrence has apparently been known for many years judging from the initial carvings along the ridge trail southwest of Summit Lake. The locators were told of the occurrence by Emmet (?) Phillips. A few blocks of the talc had reportedly been sawed and packed out for chimneys.

Geology: The talc occurs as lenses and sinuous layers in the pre-Triassic schists. The schist is a greenish gray color composed of chlorite, sericite, quartz, talc, and minor amount of graphite.

Near the east end of No. 1 claim two or three talc zones occur in schist that strikes about N. 50° E. and dips steeply northwest. Dimensions of the talc bodies were not determined due to lack of good outcrops and absence of any trenching. Widths up to about 10 feet are indicated by float at the surface.

The talc occurrence on No. 2 claim lies between about 4,650 feet elevation and 4,100 feet elevation (altimeter readings are inaccurate due to a rapid barometric change).
At about 4,625 feet several large blocks of talc up to 10 feet in diameter occur between two small ridges of gray schist. At this point the talc zone may be as much as 20 or 30 feet wide but it is obscured by surface mantle. Foliation in the schist on either side of the talc strikes N. 30° E and dips from 55° to 70° W. About 200 feet down the hill (north) the talc zone appears to be only about 10 feet wide.

Below the north end of claim No. 2 there has been extensive landsliding over a zone about 1/4 mile wide and extending north down the slope a little over a mile to Squaw Creek. This ancient landslide very likely dammed the small stream to form Squaw Lakes. The slide area is still active and the hummocky slope contains many ponds. Boulders of talc are fairly common in the slide area.

The talc is a pale greenish-gray to tan color and is stained by iron oxides especially on fractures and in zones of more abundant limonite after pyrite. It is mainly of the massive or blocky variety and a smaller amount is schistose. The amount of non talc minerals or impurities has not been determined. Except for the limonite and pyrite most of the talc appears to be fairly pure.


Report by: Len Ramp 12/28/59
REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein fully and submit this blank filled out along with the sample.

Your name in full ____________________________ Len Ramp (DOGAMT)
Street or P.O. Box ____________________________ P.O. Box 417
City & State Grants Pass, Oregon
Are you a citizen of Oregon? Yes Date on which sample is sent 12/28/59
Name (or names) of owners of the property Peterson, Jacobson, Tetter, Jacobson
Are you hiring labor? __________ Are you milling or shipping ore? __________
Name of claim sample obtained from Summit Lake Talc
Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)
County ___________ Jackson ___________ Mining District ___________ Upper Applegate
Township ___________ A1 S ___________ Range ___________ 3 W ___________ Section ___________ 11 ___________ Quarter section ___________
How far from passable road? ___________ mile Name of road ___________ Squaw Lake
Sample no. 1 ___________ Grab ___________ Assay for ___________ Description ___________
Sample no. 2 ___________ Grab ___________ Assay for ___________ Description ___________
(Samples for assay should be at least 1 pound in weight)
(Signed) ______________________________ Len Ramp

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Sample Description ___________ Blocky talc. (soapstone) ___________

Sample number | GOLD | SILVER | ALUMINA | IRON | CALCIUM | SILICA
--- | --- | --- | --- | --- | --- | ---
P-24884L | - | - | - | - | - | -
TG-324 | - | - | - | - | - | -

Report issued ___________ Card filed ___________ Report mailed ___________ 1-28-60 Called for ___________

SIR-5
August 3, 1987

H.G. Schlicker and Associates
7 S.E. 97th Avenue
Portland, Oregon 97216

Attn: Mr. Herbert G. Schlicker

Subject: Analysis performed on one (1) sample received on 8-3-87 per your request

Report:

Item: Talc HP-2

Analysis:

<table>
<thead>
<tr>
<th></th>
<th>Brightness (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Carbonate Standard</td>
<td>98</td>
</tr>
<tr>
<td>Talc, HP-2 Sample</td>
<td>88</td>
</tr>
</tbody>
</table>

Note: This sample was tested as a -325 mesh material

Sincerely,

Howard Holmes, Assistant Supervisor, Chemistry

Report Number 307558
July 6, 1987

John Pugh  
President  
Steatite of Southern Oregon  
2891 Elk Lane  
Grants Pass OR  97526

Dear Mr. Pugh:

It was a pleasure discussing steatite with you today. My clients (Norwegian Talc Deutschland of Bad Soden-Salmunster, West Germany) are looking for 1000 tonnes of steatite lumps sized 15 cm (about 5 inches) and smaller.

This material should be white in color and have approximately the following analysis.

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>MgO</td>
<td>30%</td>
</tr>
<tr>
<td>Al₂O₃</td>
<td>0.5 - 1.0% max.</td>
</tr>
<tr>
<td>SiO₂</td>
<td>59 - 63%</td>
</tr>
<tr>
<td>Fe₂O₃</td>
<td>0.5%</td>
</tr>
<tr>
<td>CaO</td>
<td>0.7%</td>
</tr>
<tr>
<td>Na₂O-K₂O</td>
<td>0.4%</td>
</tr>
<tr>
<td>Loss on Ignition</td>
<td>less than 5.5%</td>
</tr>
</tbody>
</table>

Please give us your F.O.B. mine price and also the price delivered to the closest international port (Portland?), packed in 100 lb bags or other suitable boxes/bags and loaded into 22 foot containers.

I look forward to hearing from you, whereupon I will telex your price and other details to NTD for consideration.

Best regards.

Cordially,

Hugh D. Olmstead  
President
Eagle (about 7 inches high) carved from Elliott Creek Ridge Soapstone by Butch Leo.

(negatives No 8 and 13)
Describe the anticipated effects of the work planned on each of the following items.

**Vegetation** (Include any trees to be removed from the site or utilized in the operation).
- NONE

**Top Soil** (How much and what will be done with it).
- NONE

**Cultural Resources** (Cabins, and any other evidence of historic or prehistoric occupation or use).
- NONE

**Air Quality** (Dust, smoke etc.)
- NONE

**Water Quality** (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?
- NONE (All ridge top work)

**Roads and Trails** (Method of transportation for personnel and/or equipment):
- See Plan of Operation for period May thru June of 82.

**Scenic Values** (Is the operation visible to any roads, trails, parks, homes etc.)
- To date our operations are visible only from the Scranny Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dar

**Public Safety** (What measures will be necessary to protect the curious or unaware)
- The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountain Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.
Describe the proposed disposal or treatment of the following:

Garbage and litter
All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage
There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)
There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?
Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the five years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occurred in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?
The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocessed and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural drainage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?
It is very difficult to anticipate the final methods of reshaping the mined out areas as I can foresee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavations and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?
When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive at least as much reclamation as the Forest Service logged areas around our mining operations.

How will settling ponds or sumps be reclaimed?
There will be none.

Plan submitted by:
Name: John A. Pugh
Title: Claim holder
Date: 1-21-86

Plan received by Authorized Officer:
Name: Kent A. Hammer
Title: Resource Assistant
Date: 1-22-86
Reply to: 2810 Mining

Subject: Hard Pull No. 3 Plan of Operations.
Name of Property or Claim/s
ORMC Number/s 4402

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3 W, Section 10, of the WM of the

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We will continue to mine the Talc that was blocked out last fall. Approximately 30,000 lbs of Talc will be removed from this claim during the 1986 mining season. Work will be accomplished with a Case 580-C rubber tired backhoe and a 5 cubic yard International, all wheel drive, dump truck.

No equipment will be left on the site after the 1986 mining is complete.

No new ground disturbance will result from this work.

Continue on separate sheet if necessary.
Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scrappy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1 ½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dam.

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.
Describe the proposed disposal or treatment of the following:

**Garbage and litter**
All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

**Sewage**
There is none. Seldom over 2 people at mines during the day.

**Deleterious materials (ie. Poisonous wastes, muddy water etc.)**
There is none.

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**RECLAMATION PLAN**

**DURING OPERATION**

What measures will be taken for the control of water runoff?
Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the five years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occurred in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?
The actual areas worked are very small, averaging 100' x 100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocessed and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural drainage is maintained.

**ONCE OPERATION IS COMPLETED**

What measures will be taken for reshaping disturbed areas?

It is very difficult to anticipate the final methods of reshaping the mined out areas as I cannot foresee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavation and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?

When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive at least as much reclamation as the Forest Service logged areas around our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

---

Plan submitted by:  
Name: John W. Smith  
Title: Claim holder  
Date: 1-21-86

Plan received by Authorized Officer:  
Name: Bengt N. Hansen  
Title: Resource Assistant  
Date: 1-22-86
Reply to: 2810 Mining

Subject: Hard Pull No. 4 Plan of Operations.

Name of Property or Claim/s

ORMC Number/s 4278

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. Pugh & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41 S, Range 3W, Section 10, of the WM of the .

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We will be opening up and developing a heretofore unworked veins on this claim. The material is in a rock outcrop as shown on the attached map. The stripping of contact rock and soil will be done with a Cat D-8 dozer. Loading and hauling of strippings and Talc will be done with a case 580-C backhoe and 5-cubic yard International dump truck. Talc to be removed this mining season is approximately 15,000 lbs. No equipment will be left on the site. Surface disturbance will be approximately 100' x 100', (0.23 acres) consisting of little to no merchantable timber, minor amount of reprod., and bare logged over ground.

Continue on separate sheet if necessary.
Describe the anticipated effects of the work planned on each of the following items.

Vegetation (Include any trees to be removed from the site or utilized in the operation).

NONE See information in previous section.

Top Soil (How much and what will be done with it).

NONE

Cultural Resources (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

Air Quality (Dust, smoke etc.)

NONE

Water Quality (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

Roads and Trails (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

Scenic Values (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dam.

Public Safety (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.
Describe the proposed disposal or treatment of the following:

Garbage and litter
All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage
There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)
There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?
Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the five years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occurred in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?
The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocessed and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural drainage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?
It is very difficult to anticipate the final methods of reshaping the mined out areas as I cannot foresee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavations and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?
When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive at least as much reclamation as the Forest Service logged areas around our mining operations.

How will settling ponds or sumps be reclaimed?
There will be none.

Plan submitted by: John W. Page
Name: John W. Page
Title: Claim holder
Date: 1-26-86

Plan received by Authorized Officer:
Name: Kenst H. Hammar
Title: Resource Assistant
Date: 1-22-86
Reply to: 2810 Mining

Subject: Hard Pull No. 5

Name of Property or Claim/s

ORMC Number/s 4279

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986
and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 10 & 11 of the WM of the

Describe the work to be done and how it will be accomplished (i.e., list the
equipment you will use and what will be done with it): including type and
standard, origin, destination, and mileage of any new roads or trails proposed.
List any equipment that will remain on the site.

No mineral extraction anticipated on this claim during the 1986 season.
Assessment work only. No significant, if any, ground disturbance will take
place.

Plan submitted by:
Name: John H. Pugh
Title: Claim holder
Date: 1-21-86

Plan received by Authorized Officer:
Name: Brent A. Hamm
title: Resource Assistant
Date: 1-22-86

Continue on separate sheet if necessary.
Reply to: 2810 Mining

Subject: Hard Pull No. 6 Plan of Operations.

Name of Property or Claim/s

ORMC Number/s 4280.

To: District Ranger
   Star Ranger Station
   6941 Upper Applegate Road
   Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
   John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
   John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
   Township 41S, Range 3W, Section 11, of the WM of the

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

We do not intend to mine any minerals from this claim during the 1986 mining season. Only assessment work will be done and will not create a significant, if any, disturbance of new ground.

Plan submitted by:

Name: John H. Pugh
Title: Claim holder
Date: 1-21-86

Plan received by Authorized Officer:

Name: Brent H. Kramer
Title: Resource Assistant
Date: 1-22-86

Continue on separate sheet if necessary.
Reply to: 2810 Mining

Subject: Hard Pull No. 7  
Name of Property or Claim/s

ORMC Number/s ______ 4281 ______

To: District Ranger  
Star Ranger Station  
6941 Upper Applegate Road  
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on __April____ 1986__  
and end approximately __November____ 1986__

Name and address of Claimant as filed with the County and BLM:  
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principal correspondent, if different than above:

Name and address of equipment operator who will do the actual work:  
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:  
Township 41S, Range 3W, Section 11, of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed.  
List any equipment that will remain on the site.

We will be working on two previously developed Talc veins on the claim. The mineral will be mined with a Case 580-C backhoe and 5 cubic yard International, all wheel drive, dump truck. A minor amount of pre-leveling will be done with a Cat D-8 dozer. We intend to remove 60,000 lbs of Talc from this claim during the 1986 mining season. Surface disturbance will amount to the removal and decking of 3 merchantable trees and misc. brush. Total ground disturbance will amount to an area approximately 20' x 25' (0.52 acres).

No equipment will be left on the site after the mining season.

Continue on separate sheet if necessary.

Corrections made by John H. Pugh, 1-21-86.
Describe the anticipated effects of the work planned on each of the following items.

**Vegetation** (Include any trees to be removed from the site or utilized in the operation).

NONE  See statement on previous page.

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**Top Soil** (How much and what will be done with it).

NONE

---

**Cultural Resources** (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

---

**Air Quality** (Dust, smoke etc.)

NONE

---

**Water Quality** (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

---

**Roads and Trails** (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

---

**Scenic Values** (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dar.

---

**Public Safety** (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountian Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.
Describe the proposed disposal or treatment of the following:

Garbage and litter
All refuse created by us and any found left by others is hauled to our home and disposed of. The amount of additional activity in the area is adding to the litter problem.

Sewage
There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)
There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?
Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the five years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occurred in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?
The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocessed and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural drainage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?
It is very difficult to anticipate the final methods of reshaping the mined out areas as I cannot foresee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavation area and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?
When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive at least as much reclamation as the Forest Service logged areas around our mining operations.

How will settling ponds or sumps be reclaimed?

There will be none.

Plan submitted by:
Name: John H. Bugh
Title: Claim holder
Date: 1-21-86

Plan received by Authorized Officer:
Name: Kenneth A. Hamner
Title: Resource Assistant
Date: 1-22-86
Reply to: 2810 Mining

Subject: The Hard Pull Plan of Operations.

Name of Property or Claim/s

ORMC Number/s 4276

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, of the WM of the

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No work, other than assessment work, is planned on this claim during the 1986 mining season. No significant, if any, ground will be disturbed.

Plan submitted by: Plan received by Authorized Officer:

Name: John H. Pugh Name: rehears
Title: Claim holder Title: Resource Assistant
Date: 1-21-86 Date: 1-22-86

Continue on separate sheet if necessary.
Reply to: 2810 Mining

Subject: Hard Pull No. 9: Plan of Operations.

Name of Property or Claim/s

ORMC Number/s 4282

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, ___ of the WM of the ___.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No minerals will be removed from this claim during the 1986 mining season.

Only assessment work will be performed and will not create any new ground disturbance.

Plan submitted by: John H. Pugh
Title: Claim holder
Date: 1-21-86

Plan received by Authorized Officer: Bengt H. Hammond
Title: Resource Assistant
Date: 1-22-86

Continue on separate sheet if necessary.
Subject: Hard Pull No. 10 Plan of Operations.

To: District Ranger
   Star Ranger Station
   6941 Upper Applegate Road
   Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on __________ 1986 and end approximately __________ 1986.

Name and address of Claimant as filed with the County and BLM:
   John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
   John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
   Township __________, Range __________, Section __________ of the __________ of the __________.

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

   Approximately 60,000 lbs of Talc will be removed from this claim during the 1986 mining season. The mining will be done with a Case 580-C rubber tired backhoe and a 5 cubic yard, all wheel drive, International dump truck. There will be no trees removed and the ground disturbance will be 0.02 acres (800 sq. ft.) or less.

   No equipment will be left on the site after the 1986 mining is complete.

Continue on separate sheet if necessary.
Describe the anticipated effects of the work planned on each of the following items.

**Vegetation** (Include any trees to be removed from the site or utilized in the operation).

NONE

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**Top Soil** (How much and what will be done with it).

NONE

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**Cultural Resources** (Cabins, and any other evidence of historic or prehistoric occupation or use.)

NONE

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**Air Quality** (Dust, smoke etc.)

NONE

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**Water Quality** (Turbidity, fish habitat etc.) Do you have the appropriate state, and/or county permits, licenses, etc. for this operation?

NONE (All ridge top work)

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**Roads and Trails** (Method of transportation for personnel and/or equipment):

See Plan of Operation for period May thru June of 82.

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**Scenic Values** (Is the operation visible to any roads, trails, parks, homes etc.)

To date our operations are visible only from the Scraggy Mt. Road and then you would have to know exactly where to look. The Elliott Ridge trail passes directly through 1½ miles of our activities. If this area is logged in the planned F.S. timber sale then we may become visible from Sq. Lks. & Appl. Dar

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**Public Safety** (What measures will be necessary to protect the curious or unaware)

The mining road is gated at the junction with the Squaw Lakes Road. Only the U.S. F.S., Mountain Fir, Bill Valenzuela, and our mining company have keys. Open holes are backfilled before leaving and mining areas are made easy to see by hikers.

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Describe the proposed disposal or treatment of the following:

Garbage and litter
All refuse created by us and any found left by others is hauled to our home and disposed of.
The amount of additional activity in the area is adding to the litter problem.

Sewage
There is none. Seldom over 2 people at mines during the day.

Deleterious materials (ie. Poisonous wastes, muddy water etc.)
There is none.

RECLAMATION PLAN

DURING OPERATION

What measures will be taken for the control of water runoff?
Drainage is provided in any low areas that might hold appreciable amounts of water. Roads are water barred at frequent intervals.
In the five years we have worked this area we have had no water runoff problems in the mining areas. Only minor problems have occurred in the haul roads and corrective action is taken as soon as possible.

What measures will be taken for the control of erosion and landslides?
The actual areas worked are very small, averaging 100'x100', and being on the top of the ridge are not subject to possible heavy erosion. Further, they consist of nearly solid rock that all has to be ripped with heavy equipment. Since there is little to nothing above us there is nearly no chance of landslides. Our spoils are placed in side slopes where they can be reprocessed and where little possibility of loss due to sliding exists. Haul roads on the claims follow the natural ground contours so natural drainage is maintained.

ONCE OPERATION IS COMPLETED

What measures will be taken for reshaping disturbed areas?
It is very difficult to anticipate the final methods of reshaping the mined out areas as I cannot foresee our working these claims for 20 or more years. However, at present we intend to keep all spoils contained at or near the mined site so that we can haul them back into the excavated and reshape the area to the natural surroundings.

What measures will be taken for revegetation of disturbed areas?
When an area is worked out we will reshape it, plant trees, and seed the area to grass. All mined out and reclaimed area will receive at least as much reclamation as the Forest Service logged areas around our mining operations.

How will settling ponds or sumps be reclaimed?
There will be none.

Plan submitted by:
Name: John H. Rugi
Title: Claim holder
Date: 1-21-86

Plan received by Authorized Officer:
Name: Kenst H. Hamner
Title: Resource Assistant
Date: 1-22-86
Reply to: 2810 Mining
Subject: Hard Pull No. 11
Name of Property or Claim/s

ORMC Number/s 4284

To: District Ranger
Star Ranger Station
6941 Upper Applegate Road
Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on ___________ April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:
John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:
John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:
Township 41S, Range 3W, Section 11, of the WM of the .

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

No mining, other than assessment work, is anticipated on this claim during the 1986 mining season. Very little, if any, ground disturbance will take place.

Continue on separate sheet if necessary.

Plan submitted by: Name: John H. Pugh
Title: Claim Holder
Date: 1-21-86

Plan received by authorized Officer:
Name: Benyt W. Hamner
Title: Resource Assistant
Date: 1-22-86
Reply to: 2810 Mining

Subject: RIDGE CREEK Plan of Operations.

Name of Property or Claim/s

ORMC Number/s 4285

To: District Ranger

Star Ranger Station

6941 Upper Applegate Road

Jacksonville, Oregon 97530

The Operation outlined in this plan is expected to begin on April 1986 and end approximately November 1986.

Name and address of Claimant as filed with the County and BLM:

John H. Pugh, 2891 Elk Lane, Grants Pass, Oregon 97527

Name and address of principle correspondent, if different than above:

Name and address of equipment operator who will do the actual work:

John H. & Steven F. Pugh, same address.

Legal description of claim/s as filed with the County and BLM:

Township 41S, Range 3W, Section 3, of the WM of the

Describe the work to be done and how it will be accomplished (i.e., list the equipment you will use and what will be done with it): including type and standard, origin, destination, and mileage of any new roads or trails proposed. List any equipment that will remain on the site.

I do not anticipate removing any mineral from this claim during the 1986 mining season. Only assessment work and prospecting is anticipated on this claim during the 1986 season.

Continue on separate sheet if necessary.

Plan submitted by:

Name: John H. Pugh

Title: Claim Holder

Date: 1-21-86

Plan received by Authorized Officer:

Name: Kent H. Hammers

Title: Resource Assistant

Date: 1-22-86