Preliminary Report on Wonder Group Chrome

Owners: Walt Freeman and LaVern Twombly.

Location: South center of sec. 11, T. 38 S., R. 10 W. and North center of sec. 14, T. 38 S., R. 10 W.

The Wonder Group consists of three claims (Wonder No. 1, 2, and 3). A sketch map was made of Wonder No. 2 claim, which had the best exposures of chromite. It is located about 200 yards north of the quarter corner between secs. 11 and 14, at about 3300 feet elevation.

There were three cut benches, about 20 by 80 feet in dimension, on the southeast sloping hillside.

The ore is a granular-disseminated variety in a matrix of altered olivine and talc. A sample of picked high grade from an ore pile on the lower bench ran 42.03 percent Cr2O3 and 11.64 percent Fe (MG-438, P-13497).

Twombly was constructing a small mill on the flat area about 200 yards southeast of the Wonder No. 2 workings. The equipment consisted of a hammermill, Gibson rod mill and one table. Foundations were being poured at the time of this visit.

Wonder No. 3 claim is located partly in secs. 14 and 11, about 100 yards south of the millsite where a flat area had been excavated with a bulldozer. A pit about 10 feet deep showed several small stringers. A picked sample from this pit assayed 42.74 percent Cr2O3 and 13.63 percent Fe (MG-439, P-13498).

Wonder No. 1 was not visited as little work had been done on it.

Informant: LaVern Twombly
Visited: 10/3/52
Report by: L.R.
CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO................. MC61572
RECORD TYPE.............. XM
COUNTRY/ORGANIZATION.... USGS

NAME AND LOCATION
DEPOSIT NAME................... WONDER GROUP
COUNTRY CODE.................. US
COUNTRY NAME: UNITED STATES
STATE CODE.................... OR
STATE NAME: OREGON
COUNTY......................... CURRY

QUAD SCALE
1: 62500

LATITUDE
42-16-23N

LONGITUDE
123-50-43W

UTM NORTING
4680220.

UTM EASTING
430300.

UTM ZONE NO (+10)

TWP............ 0385
RANGE.......... 010W
SECTION.... 11 14
MERIDIAN: W.M.

ALTITUDE.... 3300

COMMUNITY INFORMATION
COMMODITIES PRESENT.......... CR

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. CR

ORE MATERIALS (MINERALS,ROCKS,ETC.):
DISSEMINATED

ANALYTICAL DATA(GENERAL)
HIGH GRADE FROM WONDER #2 CUTS ASSAYED 42.03% CR2O3, 11.64% FE; FROM WONDER #1 ASSAYED 42.74% CR2O3, 13.63% FE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2
FORM/SHAPE OF DEPOSIT: LENS, STRINGERS

SIZE/DIRECTIONAL DATA
MAX WIDTH................ 5 FT

PRODUCTION
YES
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OBERBURD.)

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ACC AMOUNT</th>
<th>THOUS. UNITS</th>
<th>YEAR</th>
<th>GRADE, REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ORE EST</td>
<td>0000.007 TONS</td>
<td>1953</td>
<td>50. % CR2O3</td>
<td></td>
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<tr>
<td>2 ORE EST</td>
<td>0000.220 TONS</td>
<td>1954</td>
<td>48. % CR2O3 (CONC)</td>
<td></td>
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<tr>
<td>3 ORE EST</td>
<td>0000.021 TONS</td>
<td>1955</td>
<td>53. % CR2O3 (CONC)</td>
<td></td>
</tr>
<tr>
<td>4 ORE EST</td>
<td>0000.028 TONS</td>
<td>1955</td>
<td>50. % CR2O3 (CONC)</td>
<td></td>
</tr>
<tr>
<td>21 TOTAL</td>
<td>.276 TONS</td>
<td>48.62 % CR2O3 (WEIGHTED AVERAGE GRADE)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PRODUCTION COMMENTS.... AFTER EXPLORATION & SOME MINING OPERATION WAS SHUT DOWN FOR LACK OF MILLING ORE

GEOLOGY AND MINERALOGY
HOST ROCK TYPES............. SERPENTINE
PERTINENT MINERALOGY......... TALC

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:
LANDSLIDE

GENERAL REFERENCES
1) RAMP, LEN, 1961, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.
2) THAYER, T. P., 1974, UNPUBL. DATA
RECORD IDENTIFICATION
RECORD NO.............. MO13617
RECORD TYPE............ XIM
COUNTRY/ORGANIZATION.. USGS
FILE LINK ID............ CONV
MAP CODE NO. OF REC... 

REPORTER
NAME........................ LEE, W
DATE.......................... 74 01

NAME AND LOCATION
DEPOSIT NAME................ WONDER GROUP
MINING DISTRICT/AREA/SUBDIST. PEARSOLL PEAK
COUNTRY CODE............... US
COUNTRY NAME: UNITED STATES
STATE CODE................... OR
STATE NAME: OREGON
COUNTY....................... CURRY
QUAD SCALE
1: QUAD NO OR NAME
PEARSOLL PEAK
LATITUDE
42-16-22N
LONGITUDE
123-50-43W
UTM NORTHING
4660200
UTM EASTING
430300
UTM ZONE NO
+10
TWP........... 30S
RANGE....... 10W
SECTION.... 11
MERIDIAN... W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: SE1/4 SW1/4

COMMODITY INFORMATION
COMMODITIES PRESENT...... CR
ORE MATERIALS (MINERALS,ROCKS,ETC.):
CHROMITE

EXPLORATION AND DEVELOPMENT
The following is copied from a letter sent to this office by J. R. Holman in answer to a request for information on his milling operation in Curry County, for publication in the Ore-Bin.

"One year ago, in December, we visited the operation of Walter B. Freeman and LaVern Twombley located in Southern Curry County on the Chetco Divide. Having built for them an ore grinding unit of modified Ellis design identical with the Holman mill in Coalinga, we were anxious to see it in operation.

"Our impression of the district as being an excellent chrome producing area, and the subsequent discussions of ore development, led to a partnership between Holman, Freeman and Twombley under the trade style of the J. R. Holman Wonder Mine. The $100,000 investment in the 80 ton milling plant, camp facilities, roads, and mine development we feel has been an excellent contribution to the chrome program instigated by D. M. P. A. in 1951.

"Unfortunately, our D7 tractor and 3/4 yard shovel exploration, while proving the area completely surrounded by chrome deposits, failed to expose any leads of sufficient width and depth to accommodate an open pit operation. Since we did not feel qualified, due to lack of experience, to undertake the hard rock mining phase which appeared to be the ultimate answer, we decided to dissolve the partnership and await further developments.

"Almost coincident with this move, an opportunity appeared to lease the 30 claims surrounding the mill, the concentrating plant, camp facilities and all equipment to the Tulare Bros. Mining Co. of Gold Hill,
Oregon.

The claims involve properties of the Wonder Group, Young Bros. Daily Dozen, Roy Jackson Group, the Bowser properties, and the White claims. The lease was actively prosecuted and mining started by December 1st. Although weather has been inclement, considerable ore has already been produced and the lessee reports enthusiastically on the prospects for a happy venture.

"The Mistake Mine at Coalinga still remains the prize operation of J. R. Holman. This open pit mine in Fresno County produced over 3000 tons of concentrates during 1954, averaging plus 48% Cr2O3 with 3-1 ratio. At 100-foot depth below original ground surface, the ore deposit is solid in the floor for a distance of over 200 feet, with a minimum width of 20 feet and a maximum width of over 40 feet. The ore is apparently becoming heavier and freer from gangue since the past three weeks have produced over 40 ton of high grade lump. Present production of 2½ to 1 mill feed approximating 600 tons per week with a single ½ yard shovel handling the excavation and loading.

"The newest operation in the immediate district is also under J. R. Holman management. This is the James Mining Co. mill, with 3½ sections of New Idria leases in San Benito County to support their mining. The ore body developed gives every indication of becoming an excellent open pit mine of surprising quality. Only two 20-ton loads have been shipped since October 1st, but with the first concentrate bringing 53.97 Cr2O3 with 3.169-1 chrome-iron ratio and the second 55.80 Cr2O3 with 3.354-1 ratio, one could almost imagine that they were handling a premium product."
Walt Freeman and LaVern Twombly of Cave Junction are setting up a small chrome concentrating mill in sec. 11, T. 38 S., R. 10 W., below Sourdough Flat. The mill will consist of a hammermill, a Gibson rodmill, and one table. They plan to concentrate ore from the Wonder group located partly in sec. 11 and sec. 14. Shallow workings show considerable chromite, some of which is high-grade shipping quality. Sourdough Flat is located about 1 1/2 miles south of Pearsoll Peak which is on the county line between Curry and Josephine counties.