

F. W.

State Department of Geology and Mineral Industries

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702 Woodlark Building
Portland 5, Oregon

DRY CREEK MANGANESE

STATE DEPT. OF GEOLOGY
& MINERAL INDS.

Greenhorn District
Baker County

Owner: Fred Ranes, Washington Street, Baker, Oregon.
J. H. Spivey, 2535 5th Street, Baker, Oregon.

Location: T. 10 S., R. 36 E., sections 2, 3 and 11. This is on the upper reaches of Dry Creek approximately 4 miles upstream from the Whitney road. The total distance from the main pit to Sumpter via the Dry Creek access road and the Whitney road is 12 miles. Since the distance from Sumpter to Baker is 30 miles the total truck haulage distance between the property and rail service is 42 miles. The mean elevation on the property is in the neighborhood of 5000 feet as judged from the Sumpter Quadrangle topographic map.

Area: Six unpatented lode claims known as the Manganese No. 1, 2, 3 and 4, the Over-the-Hill and the Skipper.

History: The several showings comprising this prospect have been known of and located for a period of many years but the recent exploratory work done by the present owners represents the first serious attempt at prospect development. No shipments have as yet been made.

General: The manganese is in the form of fairly hard, fairly heavy, black oxide, very probably a mixture of pyrolusite, manganite and psilomelane. It occurs in a country rock comprised of metamorphosed argillites, meta-volcanics and greenstones as do most of the other manganeseiferous prospects in northeastern Oregon. This metamorphic complex is mapped under the name of the Elkhorn Ridge Argillite on

the geologic map of the Sumpter Quad but it has been subdivided somewhat in the more recent mapping elsewhere in Baker and Grant Counties. The recognized age for the recognized subdivisions ranges from the Carboniferous to well into the Triassic. Contained manganese prospects usually consist of pods or lenses and irregular vein-like masses with markedly restricted strike length. These occur as independent showings generally widely separated in their individual occurrence and with no apparent relationship to any single country rock horizon or to any given structural feature of major proportions insofar as pattern of occurrence goes. How many such occurrences may be present within the bounds of the subject claims is something that cannot be guessed as the terrain is covered by a rather heavy soil with much brush and timber. The owners report 5 or 6 showings revealed by old prospect pits and road cuts, and some others are known to occur in the immediate area in close proximity to these claims, notably near the Corey and Meadows placer on Three Cent Creek.

The recent development work on the subject claims was concentrated on one of the stronger showings. This is situated on a steep heavily wooded hillside above the confluence of a small tributary stream on one of the forks of Dry Creek. The work was done by dozing. Several cuts were made beginning with one essentially in the tributary creek channel, and essentially parallel thereto, and continuing up the hillside in successive benches. The lowest cut is some 200 feet more or less in length but the upper ones become progressively shorter due to placement of the orebody with reference to the nose of a local point on the hillside. The benches are on about 8 foot vertical levels and so close together that the debris from the upper ones thoroughly filled the lower ones. As a result the orebody was obscured to the point that no significant measurements or observations as to attitude could be made at the time of the writer's examination. About all that can be said therefore is that an estimated 50 tons of clean, good grade ore had been sorted and stockpiled during the course of this operation, and

that the debris remaining in the workings carried, in places, an obvious abundance of unsorted ore. Judging from this and from the quality of the development ore it is evident that a relatively massive lens was encountered as compared to those revealed by prospecting on most of the other showings elsewhere in northeastern Oregon. Much additional prospect-development will be needed, however, in order to disclose its dimensions. In this respect a fairly substantial natural cropping of apparently barren country rock occurs on the presumed strike of the orebody and up the ridge within a 100 or so feet therefrom, this effectively ruling out any great extension in that direction, but an estimated 200 or so feet of soil-covered and unprospected ground about which nothing is known exists between the pit and Dry Creek on the downhill slope.

The stockpiled ore mentioned above was accumulated over a period of many months and was washed essentially free of soil and clay. A representative sample taken by Mr. Metzger of the Ray-O-Vac Company assayed 34.5 percent manganese.

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Report by: N. S. Wagner

Date of report: January 14, 1953.

Date of exam: Sept. 10, 1952 (in company with Mr. ^{Post}Hunthausen,
U. S. Bureau of Mines)

NAME			OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
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10 S	36 E	2,3 & 11
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T	R	S
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PUBLISHED REFERENCES

Baker COUNTY

Greenhorn AREA

5000 ELEVATION

..... ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) **Fred Ranes**

J. H. Spivey

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.....

Address **Washington Street, Baker**

2535 5th Street, Baker

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OPERATOR

Name of claims	Area	Pat.	Unpat.
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Name of claims	Area	Pat.	Unpat.
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1,2,3 and 4

Over-the-Hill

Skipper

6

EQUIPMENT ON PROPERTY

REPORTS

Dry Creek Manganese by N.S.Wagner 1-14-53

x x x

SHIPMENT AND ASSAY RECORDS

Supplement to above report NSW 1-21-58

X X

Replacement to above reports NSW 4-17-58

X X

MAPS