

Claim
Prescott Mine (manganese)

Kurooburnt River District
Baker County

Owner: Jack Prescott, Baker, Oregon

Location: 3 miles south of Durkee alongside U. S. Highway #30.

Area: 2 claims--1 patented (600' x 600'), the other full size.

History: Property opened up in ^{levels} ~~wartime~~ ^{during World War I.} Prospected only. Has ^{been} ~~lain~~ idle since then.

Development: 3 adit ~~regions~~ ^{levels} upper 45' ^{of} crosscut and 50' drift. Intermediate region 110' cross cut, 80' of drift. Lower region: 320' to 350' of workings, no definite drift. Small shaft 25' deep at portal of lower tunnel which is now caved.

General: ~~Property is on steep canyon topography hills forming the slopes of Burnt River. Country rock is limestone, lime shales and carbonaceous shales, highly disturbed in places. Limestone re-~~
^{north} ~~organized.~~ No timber; ~~water~~ ^{the} ~~in~~ Burnt River which is 200 yards away. Power lines running below property alongside the highway. Property accessible at all times.

Geology: ^{The country rock consists of} ~~disturbed~~ and recrystallized limestones and shales, standing ~~at~~ ^{with a} general dip of 34°-36° to the NW. Lenticular masses and "blobs" of manganiferous ore, ^{occur} as secondary replacement along ^{the} limestone-shale contact. ~~No definite~~ ^{appear} ~~body.~~ Surface outcrops of manganese-stained siliceous shale ^{as} prominent ridges. Upper claim contains ~~one~~ ^{a sample across} short outcrop with surface extent of 40' x 27', very siliceous ^{15.5'} of which averaged 0.75% Mn. Surface ^{and} samples over balance of surface exposures also highly siliceous ^{and} very poor in manganese. The highest assay ^{was} 7.60% of sooty ore. Others were: 3.68% ^{for} 4.5' width; 2.3% ^{for} 9' width; 0.75% ^{for} 10.5' width. Channel samples cut in adit levels were as follows:

Upper tunnel: 4 samples--av. 4.5' wide ^{gave} and 2.13% ^{gave} manganese.
Intermediate tunnel: 6 samples--av. 3.9' wide ^{and} 3.17% Mn.
Lower Tunnel: Spotty ~~mineralization.~~ No weighted average.
3', ^{at} 9.30%; 3'04', ^{at} 1.63%; 2.4', ^{at} 5.33%; 6', ^{at} 2.28%; Grab samples from exposure at portal ^{gave} 5.08% manganese.

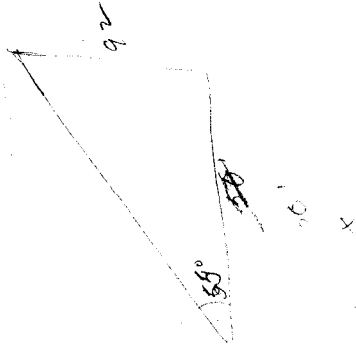
~~Since~~ ^{gave} The highest assay was 9.3% out of 23 separate assays and only 7 of the 23 were in ~~existence~~ ^{of} 5% ~~contained~~ manganese, ~~it is not considered advisable to to~~ ^{Further work} upon the property ^{depends upon possibilities of concentration.}

Report by:
Specimens: A. V. Quino.
4/14/38

$$150 \times 10 \times 50 = \frac{75000}{10} = 7500 \text{ tons}$$

15000 tons between outcrop top & Dist. Tunnel

3-0



$$\frac{92}{5} = 18.4$$

1.5

$$\frac{92}{7} = 13.14$$

$$x = 92 \cot 55$$

6H

$$\frac{92}{\sin 64}$$

$$\frac{100}{9} = 11.11$$

Station	Az	Course	Mag. Bearing	Stadia Reading	Hor. Dist.	Vertical	Elev. 1927
1	—	—	—	—	—	—	12.4
1-2	—	S 82-40 N	S 82-40 N	3.2	273	- 22° 55'	00.00
1-3	296°	S 18-40 W	S 19- W	0.2	21	- 4° 50'	122
1-4	189° 30'	S 87-30 E	S 88-30 E	0.32	32	—	124
1-5	221°	S 56-20 E	S 56- E	0.32	32	—	124
1-6	187° 30'	S 89-30 E E-W	S 89-30 E	2.1	160	+ 89° 36'	214
6-7	231° 15'	S 38-35 E	S 38- E	0.3	30	—	214
6-8	—	S 10-30 E	S 10-30 E	0.15	15	—	214
6-9	143° 10'	S 76-40 E	S 76-20 E	3.0	207	+ 33° 59'	353
9-10	205° 10'	S 51-30 E	S 51-15 E	0.2	20	—	353
9-11	280°	S 23-20 W	S 23-15 W	1.1	110	+ 12.0	365
9-12	259° 30'	S 02-50 W	S 03- W	0.9	82	+ 16° 34'	379
9-13	258°	S 01-20 W	S 01-30 W	1.1	100	+ 17° 02'	384
9-14	221° 30'	S 35-10 E	S 35- E	1.8	126	+ 35° 03'	445
14-15	—	(N 87-30 E)	N 87-30 E	0.7	49	+ 33° 07'	477
14-16	—	(S 24-30 E)	S 24-30 E	0.9	62	+ 34° 15'	487
14-17	—	(S 78-30 E)	S 78-30 E	1.15	83	+ 31° 51'	496
14-18	—	(S 22-30 E)	S 22-30 E	1.0	79	+ 27° 37'	486
14-19	—	(S 58-45 E)	S 58-45 E	1.35	110	+ 25° 52'	500

NW - 21
 SE - 21
 NE + 21
 SW + 21

STATE GOVERNING BOARD

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ALBERT BURCH . . . MEDFORD
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EARL K. NIXON
DIRECTOR



STATE DEPARTMENT OF GEOLOGY AND
MINERAL INDUSTRIES

704 LEWIS BUILDING
PORTLAND, OREGON

Prescott mm.

COPY

DAILY ANALYSIS REPORT

Baker, Oregon

Manganese

M. C. Lake

Manganese

1-A	nil	1.62	<i>mm</i>
2-A	Tr.	1.39	<i>mm</i>
3-A	Tr.	1.86	<i>mm</i>
4-A	0.42	9.30	<i>mm</i>
1-B	nil	.72	<i>mm</i>
2-B	nil	1.16	<i>mm</i>
3-B	.07	1.96	
4-B	Tr.	1.63	
1-C	nil	.42	
2-C	5.24	5.33	
3-C	4.42	5.10	
4-C	0.08	5.33	
1-D	nil	.47	
2-D	Tr.	1.20	
3-D	0.74	7.34	
4-D	0.06	2.28	
3-E	0.10	.30	
4-E	Tr.	5.08	
3-F	1.02	4.05	
2-G	0.09	3.68	
3-G	Tr.	2.30	
4-S	6.26	7.60	
7-S (15)	nil	.75	

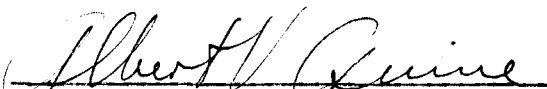
QUARTZ PROPERTY

1. Name of property Prescott Manganese
Operating company (or individual) Jack Prescott, Owner.
Address Baker
Location of property 3 mi. S. of Durkee--alongside U. S. Highway #30.
Acreage of holdings 2 claims--1 patented (600' x 600'), the other regular size.
2. History of property, past and recent:
Property opened up in wartime. Prospected only. Has lain idle since then.
3. History of production:
None
4. Development: Number of levels, lengths of drifts and cross-cuts, raises, etc.:
3 adit levels--Upper: 45' x-cut, 50' drift. Intermediate: 110' x-cut, 80' drift. Lower: 320' to 350' of workings, no definite drift. Small shaft, 25', at portal of lower
5. General description and equipment on hand, topography, country rocks, elevation, tunnel timber, water, snow fall, climate, power, etc. (caved)
No equipment. Steep canyon topog. hills forming slopes of Burnt River. County rock--limestone, limy shales and carbonaceous shales, highly distorted in places. Limestone recrystallized. No timber; no water except in Burnt River, 200 yards away. Power lines running below property alongside the highway. No snow problem--property is accessible at all times of the year.
6. Geology - General and local. Ore geology - type of deposit, i.e., vein, mineralized zone, bed; contact relations, attitude and orientation, vein minerals, gangue, type of mineralization, alteration, enrichment, etc. General Geol: Distorted and recrystallized limestones and shales, standing at general dip of 34°-36° to the NW. Ore Geol: Lenticular masses and "blobs" of manganiferous ore as secondary replacement along limestone-shale contact. No definite ore body. Surface outcrops of manganese-stained siliceous shale as prominent ridges. Upper claim contains only one short outcrop (surface extent--40'x27'), very siliceous--15.5' of which averaged 0.75% Mn. Surface samples over balance of surface exposures (highly siliceous) very poor in Mn.--the highest running 7.60% of "blobby," sooty ore only. Others were: 3.68% - 4.5'; 2.30% -.9'; 0.75% - 10.5'; (continued below)
7. Metallurgy - nature of ore, hard or soft, free-milling, base, direct shipping, etc. Kind of mill and equipment in use or planned, current daily tonnage of ore or concentrates, approximate value, freight rates to smelter, etc.
Channel samples cut by myself in adit levels as follows:
Upper Tunnel: 4 samples--av. 4.5' and 2.13% Mn.
Inter. Tunnel: 6 samples--av. 3.9' and 3.17% Mn.
Lower Tunnel: Spotty ore mineralization. No weighted average. Samples as follows:
3' at 9.30%; 3'-4' at 1.63%; 2.4' at 5.33%; 6' at 2.28%; Grab from exposure at portal--5.08% Mn.
8. Remarks - economics: High or low cost, principal drawbacks, reasons for success or failure, apparent life of operation based on apparent quantity of ore available.

No possibility of a manganese ore. Samples showed only traces of gold.

(Samples taken listed on reverse side)

OVER


Albert V. Quine, Mining Geologist

SURFACE SAMPLES:

S1--10.5' cut across exposure opposite upper tunnel. Surface stained black.	<u>Manganese</u> 0.75%
S2--4.5' chip sample--highest outcrop--lense about 30' long. Outcrops 10' above ground surface.	3.68%
S3--9' sample from outcrop 30' long below S1. Shaly with limonitic alteration and sooty blobs of ore.	2.30%
S4--Same place as S3. Blobs of sooty ore only.	7.60%

SURFACE SAMPLES FROM UPPER CLAIM OUTCROP:

Small lense in siliceous limy shale about 40' x 20'-27'. 4 samples across face exposed.

1A--1st 3 feet.	1.62%
1B--Next 4.5 feet.	0.72%
1C--Next 3.0 feet.	0.42%
1D--Next 5.0 feet.	0.47%

UPPER TUNNEL:

Relative elevation--353'.

2A--At x-cut intersection. First 6' of shaly-schisty material with small blobs of manganiferous material.	1.62%
2B--Next 4.5' to FW of light colored (bleached) shale.	1.16%
2C--Breast of SW drift. 3.5' of sooty ore.	5.33%
2D--Breast of NE drift. 4.0' of iron-stained shaly ore. Small blobs of manganese ore.	1.20%

INTERMEDIATE TUNNEL:

Relative elevation--214'.

3A--Breast of SW drift, 6' wide. Largely sooty, mangan- iferous ore with lime intercalated.	1.86%
3B--Intersection of x-cut and drift, 3.5'. 1.5' of sooty ore. 2' of reddish-brown loosely consolidated shaly material.	1.96%
3C--15' NE of intersection, 4.5' wide. Does not include limestone chunk in middle of vein.	5.35%
3D--30' NE of intersection. 2.8' of sooty ore.	7.34%
3E--15' NE of intersection, 4' wide. 2' of sooty ore on FW; balance is soft, brown, friable material.	0.30%
3F--Breast of NE drift, 2½' wide. 1½' of sooty ore on FW; balance is brown friable material.	4.95%

LOWER TUNNEL:

Relative elevation--124'.

4A--3' of ore at contact. In right-hand drift.	9.30%
4B--At first intersection-main drift-3' or 4' of iron- stained material.	1.63%
4C--15' toward portal from intersection. 2.4' of mangan- iferous ore. Soft, friable, and dusty.	5.33%
4D--25' from portal. 6' sample from "blob."	2.28%
4E--Grab sample from surface exposure at portal.	5.08%

Prescott Property Mangrove

JMM

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

12S

43E

~~on Highway 30~~

N 1/2 S. 11

T

R

S

PUBLISHED REFERENCES

Pardee 21:228

Dozams 17

MISCELLANEOUS RECORDS

..... Baker COUNTY

..... Lower Burned Run AREA

..... ELEVATION

..... On Highway 30 ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S) .. J. A. Prescott ..

Address .. Denker, Oregon ..

OPERATOR .. none ..

Name of claims	Area	Pat.	Unpat.
<u>1</u>		<input checked="" type="checkbox"/>	
<u>1</u>			<input checked="" type="checkbox"/>

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY .. none ..

REPORTS

Field notes - A.V. Quine 7/9/38

✓

Incl. in Manganese in Eastern Oregon. Barrell River Dist. Anderson (ME) 12-22-41

✓

SHIPMENT AND ASSAY RECORDS

MAPS

Cross section -

✓