

HAGGARD & NEW

Chrome

NAME			OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
14 S.	32 E.	9 - 16			
T	R	S			
Grant			COUNTY	<u>PUBLISHED REFERENCES</u>	
Canyon			AREA	Dogami Bull. 9	
.....			ELEVATION	Westgate 20:48	
.....			ROAD OR HIGHWAY	<u>MISCELLANEOUS RECORDS</u>	
.....			DISTANCE TO SHIPPING POINT		
PRESENT LEGAL OWNER (S)			Ray E. Summers	Address	
.....				Canyon City, Oregon	
.....				(Address: P. O. Box 423, John Day, Oregon)	
.....				
.....				
.....				
OPERATOR	
Name of claims			Area Pat. Unpat.	Name of claims	
1 lode claim				Area Pat. Unpat.	
.....				
.....				
.....				
.....				
<u>EQUIPMENT ON PROPERTY</u>					
.....					

REPORTS			
Haggard & New Mine by L. R., November 1952	x	x	x
Map of Burt Hayes Development for 1953, by N.S.W. --Mar. 31, 1954 (supplementing above report by Ramp.)	x	x	x
Report by N. S. W., Feb. 1, 1957 (1952 thru 1956 operations and production	x	x	x
SHIPMENT AND ASSAY RECORDS			
Haggard & New, N. S. W., Feb. 9, 1945	x	x	x
Metals Reserve Ore Purchasing Records for Stockpile at Seneca, Grant Co.	x	x	x
N. S. W., Feb. 1, 1957 (1952 thru 1956 production record	x		x
MAPS			
Map of upper workings, L. R., Nov. 1952	x	x	x
Map of Burt Hayes development for 1953, by N. S. W., Mar. 31, 1954	x	x	x
Map of Lower Tunnel and long hole drilling, Kearly, 1955, Comstock Uranium Company			x

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

HAGGARD & NEW MINE (Chromite)

Grant County
Canyon District

*Location: NE $\frac{1}{4}$ sec. 16, T. 14 S., R. 32 E.

Owner: Ray Summers, leased by Burt S. Hayes, John Day.

The mine was visited and the upper workings mapped November 6, 1952, by N. S. Wagner and Len Ramp accompanied by Burt Hayes, who intended to begin development work in the near future.

The mine has been described by Allen (1941). Most of the chromite seen is of a low grade disseminated type, however small lenses of fairly high grade ore were noted in places. A sample collected from the ore pile by Hayes, which consisted largely of chromite disseminated in olivine, assayed 37.85 percent Cr₂O₃ and 10.40 percent Fe (P-13691).

No work had been done on the lower workings since it was reported on by Allen, and very little if any done on the upper workings. To date no word has been received regarding the proposed development work.

Reference: Allen, J. E. (1941) Chromite Deposits in Oregon: Oreg. Dept. Geology and Mineral Industries Bull. 9, 1938.

Informant: Burt S. Hayes, John Day

Report by: L.R.

Visited: 11/6/52

*Location (cont.): Road south from John Day Highway branching 4.4 miles east of John Day. Follows up ridge to Dissel Creek, then up ridge west of Dissel Creek. The mine is about 5.5 miles from the highway.

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Compiled by: N. S. Wagner
Informant: Hazeltine and
Mullenex

Date: February 9, 1945

Canyon Area, Grant County

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FEB 16 1945

STATE DEPT OF GEOLOGY
& MINERAL INDS.

Name: Haggard New (Chrome)

Foreward: No examination of this property was made and the following report on ownership and production is intended only as a supplement to existing Departmental reports.

Owners: I. B. Hazeltine and Ward Mullenex

Area: One claim with Pat. pending - Mineral Survey #870.

Location: T. 14 S., R. 32 E. and S 21 according to Allen* or S 9-16 according to Metals Reserve Records.

History: *MINING*
Rustless Corporation controlled this property for the past several years, but the present owners acquired it in 1944 and shipped**165 tons of ore. This ranged between 35.54 and 39.87% Cr_2O_3 according to shipment records, but the preponderance of the tonnage ran about 36.00% Cr_2O_3 . The Cr:Fe ratio for all shipments ranged between 2.77:1 and 2.61:1.

The above production is all that is known to have been made in recent years (Since World War I operation) and the property is now idle.

* Chromite Deposit of Oregon, Bull. #9.

** From records of ores purchased at Seneca depot of the Metals Reserve.

lessees and/or the property owner, between the time when the present purchasing program began and the date of this report. The data so secured was written up periodically in the form of confidential memorandum reports. These progress reports may be recognized by their individual headings and dates.

Report by: N. S. Wagner, February 1, 1957

Informants: As per listed in the memorandum reports included herein.

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon
Canyon Area
Grant County

HAGGARD AND NEW (Chrome)

Location: T. 14 S.; R. 32 E.; Sec. 16, NE $\frac{1}{4}$.

Owners: Ray Summers, Canyon City, Oregon

Lessor: Burt Hayes, John Day, Oregon

Forward: This report is supplement #1 to an original of a production series compiled by N. S. Wagner, February 9, 1945. It is also a follow-up to a property report written by Len Ramp, November 6, 1952.

General: Development by the lessee in the spring of 1953 disclosed a highgrade lens of ore in the upper workings (refer to map accompanying the Ramp report). An estimated 196 tons of this ore* was mined and trucked to a millsite located on Dog Creek at a point about a mile from U. S. Highway #28. The remainder of the summer was spent in the construction of a mill and in the milling of the ore. The mill consists of a primary crusher, an Ellis grinding unit and 2 tables. All concentrates were shipped to the government buying depot in Grants Pass and the following production figures originated from the lessee's official settlement records.

Lot no.	Settlement date	Dry Long tons	Cr ₂ O ₃ %	Fe%	Chrome iron ratio	SiO ₂ %	Value per ton
1	July 23	14.8237	47.62	11.52	2.827:1	4.72	\$1,536.77
2	Oct. 15	18.1487	48.50	11.76	2.821:1	4.94	1,909.24
3	Oct. 27	18.1487	48.50	11.76	2.821:1	5.28	1,935.20
4	Nov. 16	20.3254	48.74	12.04	2.769:1	4.88	2,155.10
5	Nov. 24	21.0972	49.55	11.83	2.865:1	2.96	2,359.32
6	Dec. 1	16.2335	49.45	11.78	2.871:1	3.56	1,817.02

* This represents the only known production from this property since the Ward and Mullenex production of 165 tons listed in the N. S. W. report of February 9, 1945.

Report by: N. S. Wagner, December 6, 1953.

Informant: Burt Hayes.

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Haggard & New (Chrome)

Canyon Area
Grant County

Owner: Ray Summers, Canyon City, Oregon

Lessor: Burt Hayes, and associates, John Day, Oregon

Location: T. 14 S., R. 32 E., Sec. 16 NE $\frac{1}{2}$

Foreword: This report is supplement No. 2 to an original of a production series compiled by N. S. Wagner, February 9, 1945. It is also a follow-up to a property report written by Len Ramp, November 6, 1952 and to an overprint of the Ramp map prepared by Wagner March 31, 1954.

General: Development work performed this season has served to extend the drift 70 feet further into the hill than is shown on the Wagner overprint to Ramp's map. This extension follows the strike of the ore body which is essentially the same as is indicated on the overprint. The drift penetrated into the lower portion of some old stopes and an underhand stope has been sunk to a depth of about 7 feet at the end of the tunnel. The ore body as thus exposed is about 12 feet thick and vertical above the present drift level with a steep dip to the north seemingly manifest in the bottom of the underhand stope. Future mining will carry this underhand stope forward towards the portal.

The following record of production was copied directly from original buying depot settlement sheets and it represents the sum total production from the property since that listed in the Wagner report of December 6, 1953. The concentrate ratio is reported by Mr. Hayes to be about $1\frac{1}{2}$ tons of ore to 1 ton of concentrate. All ore came from the 70 feet of new drift and its underhand stope.

Shipment date	Lot No.	Dry weight	Cr ₂ O ₃ %	Fe %	Cr:Fe	SiO ₂	Amount
4-29-54	9301	17.2080	47.72	11.77	2.773:1	5.80	1,761.24
5-11-54	9436	16.4486	48.90	11.77	2.842:1	4.00	1,790.59
5-21-54	9556	16.6115	49.10	11.77	2.853:1	4.14	1,827.10
5-27-54	9634	16.4553	49.90	11.83	2.885:1	4.30	1,878.37
6-3-54	9726	13.1826	50.14	11.83	2.899:1	3.26	1,522.99
6-9-54	9771	13.4218	49.90	11.90	2.868:1	3.80	1,525.25
6-14-54	9803	13.0143	49.75	11.51	2.956:1	3.24	1,505.49
6-17-54	9843	13.9914	50.04	11.69	2.928:1	3.84	1,623.00
6-23-54	9916	13.8763	49.05	11.69	2.870:1	3.84	1,530.56
6-25-54	9948	14.3156	49.35	11.50	2.935:1	3.60	1,624.10
6-28-54	9984 & 9985	26.1831	50.04	11.38	3.008:1	3.64	3,102.1
7-2-54	67	14.0621	48.79	11.76	2.838:1	3.96	1,522.93
7-8-54	138	15.2675	48.81	11.63	2.871:1	4.28	1,669.81
7-12-54	180	14.1299	49.57	11.57	2.930:1	4.04	1,613.35

Shipment date	Lot No.	Dry weight	Cr ₂ O ₃ %	Fe %	Cr:Fe	SiO ₂	Amount
7-15-54	234	14.1696	48.96	11.19	2.993:1	4.00	\$1,610.09
7-20-54	295	13.3670	49.06	11.76	2.853:1	4.84	1,468.10
7-23-54	371	13.9776	49.27	11.19	3.012:1	4.88	1,615.25
7-27-54	420	13.7326	49.16	11.69	2.876:1	4.20	1,523.22
8-4-54	544	14.3960	49.67	11.63	2.921:1	4.74	1,645.61
8-9-54	628	13.2991	49.37	11.50	2.936:1	4.04	1,510.25
8-12-54	707	13.9250	49.69	11.47	2.963:1	4.02	1,610.43
8-18-54	796	13.6473	49.39	11.44	2.953:1	3.86	1,557.84
8-20-54	829	14.3108	50.05	11.44	2.993:1	3.32	1,688.53
8-23-54	858	13.2563	49.39	11.25	3.003:1	4.04	1,533.49
8-27-54	924	13.8924	49.69	11.25	3.021:1	3.66	1,633.75
8-30-54	931	14.5741	48.78	11.25	2.966:1	4.04	1,633.76
9-3-54	999	14.4407	48.88	11.38	2.938:1	3.30	1,612.45
9-7-54	1024	14.4482	48.68	11.25	2.960:1	4.04	1,611.26
9-13-54	1073	14.4803	49.29	11.56	2.916:1	3.68	1,631.06
9-15-54	1107	14.3956	49.59	11.50	2.950:1	3.36	1,653.48
9-16-54	1111	12.7857	49.49	11.69	2.896:1	3.56	1,442.74
9-20-54	1136	14.2220	49.95	11.44	2.987:1	2.68	1,669.81
9-24-54	1198	13.4496	48.74	11.38	2.930:1	4.56	1,491.02
10-1-54	1272	16.0358	48.49	11.69	2.837:1	4.12	1,716.95
10-6-54	1331	14.9406	48.24	11.44	2.884:1	4.24	1,605.82
10-11-54	1371	12.6509	48.89	11.44	2.823:1	3.92	1,407.41
10-15-54	1424	15.8272	48.94	11.72	2.856:1	3.92	1,732.13
10-21-54	1474	14.6625	48.74	11.37	2.932:1	4.00	1,626.36
10-26-54	1526	14.2419	47.74	11.23	2.908:1	4.32	1,516.19
11-1-54	1586	15.5258	47.03	11.23	2.865:1	5.44	1,599.78
11-5-54	1664	14.4487	49.04	11.51	2.914:1	3.52	1,612.19
11-12-54	1766	15.0036	48.79	11.16	2.990:1	4.84	1,693.31
11-16-54	1791	14.1638	49.90	11.44	2.984:1	4.06	1,658.86
11-22-54	1857	14.0138	46.00	12.54	2.509:1	2.01	1,251.01
11-29-54	1956	14.5825	48.66	11.38	2.925:1	4.68	1,609.76
12-2-54	2034	14.9384	50.82	11.62	2.991:1	3.40	1,807.70
12-6-54	2069	14.4005	51.32	11.36	3.090:1	2.96	1,827.18

At this point the Burt Hayes interest in the property lease was sold to the Comstock Uranium-Tungsten Company, Inc. The following production was made by Neal Breedlove and Bandy Sintay, whose working interest in the lease did not expire until April 1, 1955, and the following figures represent a complete record of the property's production up to the time the Comstock Nevada Company took over full control.

Payment date	Lot No.	Dry weight	Cr ₂ O ₃ %	Fe %	Cr:Fe	SiO ₂	Amount
4-19-55	1	14.5191	49.77	10.98	3.100:1	3.64	\$1,757.97
4-22-55	2	15.6295	50.63	11.18	3.098:1	3.16	1,944.93
4-25-55	3	15.3076	50.63	11.47	3.019:1	3.20	1,856.51
5-2-55	4	17.9335	50.53	11.19	3.089:1	3.16	2,218.02
5-3-55	5	13.1041	50.33	11.06	3.113:1	3.52	1,622.81
5-5-55	6	17.6697	50.33	11.11	3.099:1	3.36	2,178.32
5-6-55	7	14.9490	50.05	11.05	3.098:1	3.52	1,825.57

Payment date	Lot No.	Dry weight	Cr ₂ O ₃ %	Fe %	Cr:Fe	SiO ₂	Amount
5-9-55	8	18.4005	50.28	11.16	3.082:1	3.36	\$2,252.22
5-11-55	9	17.8527	50.97	11.22	3.107:1	3.04	2,252.30
5-13-55	10	14.6215	50.22	11.17	3.075:1	3.32	1,782.07
5-16-55	11	17.7862	50.10	11.15	3.073:1	3.28	2,157.82
5-17-55	12	15.2769	50.10	11.18	3.065:1	3.16	1,848.50
5-19-55	13	18.0420	50.06	11.01	3.110:1	3.24	2,212.67
6-6-55	14	15.1540	49.00	11.06	3.030:1	3.88	1,745.74
6-6-55	15	18.0312	49.77	11.05	3.081:1	3.60	2,169.51
6-7-55	16	14.4254	49.83	11.12	3.065:1	3.92	1,729.89
6-7-55	17	17.5884	49.25	10.99	3.065:1	4.04	2,068.40
6-13-55	18	18.1970	49.13	10.97	3.063:1	4.24	2,129.78
6-13-55	19	18.9326	50.69	11.10	3.124:1	3.04	2,380.21
6-14-55	20	18.0588	50.61	11.06	3.130:1	3.40	2,268.91
6-14-55	21	18.3522	50.59	11.06	3.129:1	3.28	2,303.57
6-24-55	22	18.3903	48.41	10.95	3.024:1	4.40	2,070.75
6-27-55	23	19.2589	47.80	10.81	3.031:1	4.40	2,136.58
6-17-55	24	18.4732	49.12	10.92	3.077:1	3.84	2,171.71

Report by: N. S. Wagner

Date: 9-2-55

Informant: Burt Hayes & Ray Summers

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

HAGGARD & NEW (Chrome)

Canyon Area
Grant County

Owner: Ray Summers, Canyon City, Oregon

Lessor: Comstock Uranium-Tungsten Company, Inc., John Day, Oregon

Location: T. 14 S., R. 32 E., Sec. 16 NE $\frac{1}{2}$

General: This report is supplement No. 3 to an original of a production series compiled by N. S. Wagner, February 9, 1945. The production data outlined here represents that of the above-named lessors beginning with their first shipment. Production was made in the rebuilt and enlarged Hayes Mill and all figures were compiled by Wagner and Howard Brooks from the original Buying Depot settlement sheets.

Settlement date	Depot Receipt No.	Dry Weight	Cr ₂ O ₃ %	Fe %	Cr:Fe	SiO ₂	Amount
3-19-56	5409	17.296	47.72	11.14	2.930:1	4.32	\$1,851.72
3-29-56	5455	17.2835	48.21	11.02	2.992:1	4.40	1,911.56
4-2-56	5480	17.3077	48.97	10.96	3.056:1	3.72	2,009.77
4-9-56	5551	17.7843	49.26	10.85	3.105:1	3.52	2,120.60
4-17-56	5601	17.6789	48.92	10.97	3.050:1	4.20	2,045.10
4-30-56	5677	17.5438	47.10	11.04	2.918:1	5.40	1,839.29
5-3-56	5699	17.18285	48.28	10.97	3.009:1	4.60	1,986.09
5-8-56	5720	17.5233	49.38	11.19	3.015:1	3.68	2,030.60
5-9-56	5737	17.6686	48.90	11.26	2.970:1	4.08	1,991.36
5-11-56	5764	17.5437	47.96	11.22	2.924:1	4.96	1,887.70
5-21-56	5816	17.4308	49.97	11.13	3.071:1	3.36	2,104.25
5-31-56	5852	20.7224	50.22	11.44	3.003:1	3.04	2,466.80
5-28-56	5891	18.0469	49.48	11.16	3.033:1	4.20	2,115.82
6-1-56	5907	19.1973	49.09	11.19	3.001:1	3.72	2,196.17
6-5-56	5940	18.0157	48.98	11.13	3.010:1	3.60	2,059.55
6-5-56	5964	18.8402	48.30	11.07	2.984:1	3.72	2,085.99
6-11-56	5997	19.3112	47.58	11.30	2.880:1	3.48	2,030.38
6-13-56	6010	8.5387	49.33	11.26	2.997:1	3.64	983.91
6-13-56	6017	10.3382	48.76	11.16	2.989:1	3.88	1,165.22
7-3-56	6046-6224	29.7619	48.78	11.08	3.011:1	4.44	3,379.76
7-3-56	6239-6246-6251	55.3521	47.99	10.81	3.037:1	4.84	6,168.99
7-10-56	6274-6311-6332	60.4421	48.20	10.88	3.030:1	4.24	6,769.52
7-16-56	6377	20.8748	48.24	10.78	3.016:1	4.00	2,367.20
7-20-56	6425-6460	41.7697	47.70	10.86	3.004:1	4.80	4,563.76
7-30-56	6539	19.3401	46.37	10.70	2.964:1	4.52	2,011.95
8-7-56	6616	18.3501	44.63	10.56	2.891:1	6.88	1,772.99
8-13-56	6678-6703-6733	55.0431	46.17	10.70	2.931:1	5.24	5,571.84
8-21-56	6810	17.6371	45.48	10.99	2.831:1	6.04	1,717.32
8-22-56	6821	18.9595	45.56	11.11	2.805:1	5.80	1,835.85
8-27-56	6875	15.4058	42.10	10.62	2.712:1	8.16	1,288.85
8-28-56	6917	17.4712	43.94	10.76	2.793:1	6.88	1,600.60
9-10-56	6989-7086	34.2491	45.44	10.94	2.841:1	6.28	3,341.00
9-14-56	7062-7111	32.8579	45.47	10.99	2.830:1	6.48	3,197.40
9-26-56	7158-7200	28.1448	48.21	11.07	2.979:1	4.96	3,101.84

Settlement date	Depot Receipt no.	Dry Weight	Cr ₂ O ₃ %	Fe%	Cr:Fe	SiO ₂ %	Amount
10- 1-56	7206-7222	34.7125	48.53	11.05	3.004:1	4.00	\$3,897.52
10- 3-56	7230-7243	36.7414	48.40	11.22	2.951:1	4.20	4,046.33
10- 8-56	7258	16.1304	48.13	11.05	2.979:1	4.40	1,772.57
10-25-56	7343	7.3587	47.99	10.99	2.987:1	7.24	806.37
10-25-56	7345	10.1323	52.11	10.86	3.282:1	4.04	1,395.42
11- 9-56	7446	11.098	48.66	11.59	2.872:1	3.32	1,761.35
11-19-56	7478	15.4367	48.11	11.53	2.854:1	4.04	1,637.22

The last shipments of the year were made by rail from Burns. Three carloads totalling 176 tons are known to have been shipped, but settlement returns are not currently available.

Report by: N. S. Wagner, January 29, 1957

Informant: Ray Summers

State Department of Geology and Mineral Industries

1069 State Office Bldg.
Portland 1, Oregon

Grant County
Canyon District

History & How

Location: T. 14 S., R. 32 E. Section 14.

Owner: Wm. Gardner, Canyon City.

Remarks: This report contains the production record made by the Gardner Mining Company in 1957 and 1958. It supplements all previous Bogard reports and brings the mine production record to date from 1952 to the time of the depot closure in 1958.

General: The Gardner Mining Company purchased the mine from Ray Summers after the Comstock Uranium-Tungsten Company's lease was terminated. Mill ore was run thru the mill on Dog Creek as before, but some ore shipments were also made by the Gardner Company. Shipments were made both to the Grants Pass purchasing depot and under the Rail Carlot program as well.

Settlement Date	Depot Receipt no.	Dry Weight	Gr. O. %	Fe	Gr. Fe	SiO ₂	\$ Value
	08-00P-						
5/3/57	19504 (1)	39.6312	47.85	11.18	2.927:1	4.04	\$4,205.18
6/8/57	19505 (2)	47.8627	47.57	11.82	2.753:1	4.04	4,848.49
6/24/57	19506 (3)	46.5866	47.72	11.98	2.724:1	4.60	4,699.66
7/22/57	19507 (4)	56.7830	48.17	10.81	2.985:1	2.44	6,079.19
8/2/57	19508 (5)	51.0685	48.35	11.00	3.062:1	4.56	5,999.53
8/14/57	19509 (6)	50.5025	48.57	11.52	2.884:1	2.93	5,494.67
9/10/57	19510 (7)	66.0519	46.55	9.95	3.200:1	3.20	7,506.80
9/10/57	19511 (8)	48.8877	45.85	10.45	3.001:1	4.66	5,033.20
10/11/57	19512 (9)	63.1079	48.33	11.57	2.857:1	3.62	6,754.44
10/30/57	19513 (10)	63.1331	48.77	11.80	2.827:1	3.44	6,811.43
11/29/57	19514 (11)*	68.8132	47.88	10.34	3.167:1	4.22	8,348.42
11/29/57	19515 (12)*	67.4087	46.99	10.42	3.085:1	4.78	7,776.94
12/21/57	19517 (13)*	68.4478	46.81	10.28	3.115:1	2.88	7,942.00
1/1/58	19518 (14)*	63.5698	46.68	10.54	3.029:1	3.78	7,132.53
2/4/58	19519 (15)*	60.7081	49.16	10.54	3.190:1	2.90	7,724.50
2/25/58	19520 (16)*	66.2295	48.53	10.64	3.120:1	3.56	8,074.70
4/8/58	25200 (17)	57.1564	49.80	10.83	3.145:1	4.64	7,030.24
4/24/58	2501 (18)*	64.4617	43.65	9.95	3.001:1	4.80	6,574.45
4/8/58	25202 (19)	61.8688	49.82	10.85	3.141:1	3.80	7,604.91
4/16/58	25203 (20)	59.3893	50.03	10.99	3.114:1	4.26	7,285.88
4/24/58	25204 (21)	61.5106	48.72	10.66	2.126:1	5.84	7,253.33
5/1/58	25205 (22)	60.3121	48.63	10.72	3.103:1	5.76	7,034.80
5/7/58	25206 (23)	55.8113	48.72	10.72	3.109:1	5.06	6,543.32
5/5/58	25207 (24)	55.0393	48.28	10.83	3.049:1	4.64	6,223.84
5/15/58	25208 (25)	56.4681	48.53	10.75	3.088:1	5.02	6,529.97
5/15/58	25209 (26)*	57.0445	46.69	9.78	3.265:1	6.52	6,940.60
5/15/58	25210 (27)	57.2246	48.40	10.83	3.057:1	5.00	6,516.74
5/23/58	2511 (28)	62.4822	47.64	10.77	3.026:1	5.50	6,870.54

Settlement Date	Depot Receipt No.	Dry Weight	Cr ₂ O ₃ %	Fe %	Cr:Fe	SiO ₂	\$Value
5/23/58	25212 (29)*	63.4443	48.15	10.17	3.238:1	5.18	7,938.15
5/29/58	25213 (30)*	69.5142	43.78	9.72	3.081:1	5.18	7,339.31
5/29/58	25214 (31)*	66.4599	44.92	10.14	3.030:1	6.70	7,108.55
6/12/58	25215 (32)*	68.7922	46.25	9.81	3.225:1	6.25	8,169.07

End of GSA carlot shipments.

Grants Pass Depot shipments.

6/27/58	321 (x)	8.1884	46.59	10.20	3.124:1	6.64	1,017.43
7/3/58	288 (x)	38.1151	43.60	11.01	2.709:1	3.88	3,356.80
	295						
	322						
7/22/58	260 (x)	18.7406	45.36	10.39	2.986:1	6.36	1,905.17

* Lump ore. All unmarked shipments represent concentrates.

(x) Certificates No. 321 & 260 are credited to the Zero and Ward properties and that for the composite shipment represented by Nos. 288, 295, & 322 is credited to the Castella Mining & Milling Co — or Axtell. However, according to Mr. Gardner, all concentrates comprising these shipments originated from the Haggard & New mine and they represent the last shipments made from said property under the GSA program.

Note: During the period when the carload shipments were made, the Gardner Mining Company purchased both lump ore and concentrates from Al Dunn, operator of the Carlsen Mine, and from Messrs. Babbington and Reba who also had an operating base on a portion of the Carlsen ground. The tonnage thus purchased amounts to 207,365 dry long tons, valued at \$25,567.21. These amounts should be deducted from the Haggard and New record as indicated above in order to obtain actual Haggard and New production. Details of the Carlsen production purchased by the Gardner Company are given in the Carlsen Mine report.

Report by: N. S. Wagner, July 30, 1958.

Informant: Mr. Wm. Gardner

