

Sterling Mine Report by D.F. McCormick to Grassman

1/11/36

- 1- Plant Recovery, not satisfactory -
- 2- Plant recovery 33¢ per cu yd. (if 50% efficient - Val. would be 66¢)
- 3- Values not record by dragline from Bed Rock (estimated to be 19¢ cu yd)
(3 pay sheets 20 to 30' apart in elevation) (+1 on B.R.)
- 4- Loss due to escapement of large meggets?
- 5- Value to stripping & high grade drifting before operation estimated @ 18¢.
(legendary L.A.L.) ∴ 66 + 19 + 18 = ¹⁰³ 1.03 total (purely theory) L.A.L.
- 6- Estimated 20% of the richest gravel mined prior to Grassman operation.
- 7- McCormick believe deposit will ave .50¢ per cu yd.

cost	22¢ working
"	8¢ overhead
	30¢
	Profit of 20¢ per cu yd.

also estimates at 3,500,000 yardage remaining or
 Profit of \$750,000⁰⁰ in 4 years. (8400 L.A.L.)

~~| |
|--------|
| 2400 |
| 1200 |
| 3400 |
| 4600 |
| 1800 |
| 3500 |
| 875000 |
| 72 |
| 158 |~~
 (12 months) @ 72,000 yds month or 2400 yd daily
 not possible L.A.L. at a cost of \$200,000 investment.
 (Indicates a royalty of 7 1/2% somewhere? L.A.L.)
 Investment too high for return (L.A.L.)

- 8- Pullis figures show ground below Grassman returns \$1.04 by hydraulicing + Sterling Co.
 av. \$1.00 per cu yd. (1878-1907) for 2 miles
 also McCormick's samples of face ave. 1.20 per cu yd
 he discounts 1/2 or say 50¢ - not very engineering talent (L.A.L.)
 (Look up - United Verde Report - see list) L.A.L. over

THIS AGREEMENT made and entered into this _____ day of March, 1941, by and between EDWARD J. GRASSMAN, of Elizabeth, New Jersey, hereinafter called "First Party" and J. K. WADLEY, of Texarkana, Arkansas, hereinafter called "Second Party,"

W I T N E S S E T H:

WHEREAS the parties hereto have made and entered into a certain mining lease and indenture on the 14th day of January, 1941, which is hereby referred to and made a part hereof, and

WHEREAS the said parties desire to amend the said lease and indenture in the particulars hereinafter mentioned, now, therefore,

It is hereby mutually agreed by and between the said parties as follows:

1. Paragraph 1, page 1, of the said lease and indenture is hereby amended to read as follows:

Party of the first part hereby warrants that he is the owner in fee of that certain mining property situate in Jackson County, Oregon, commonly known and designated as the Sterling Mine more particularly described as follows:

and hereby grants to party of the second part the right upon the execution of this agreement to enter upon the said property for the purpose of testing the same to determine the gold content thereof, said testing privilege to end August 1, 1941, unless terminated earlier or extended or converted into a mining privilege in the manner hereinafter provided. The party of the said part

agrees to perform said testing and conduct the same as diligently as drilling conditions allow.

2. Paragraph 6, pages 2 and 3 of the said lease and indenture is hereby amended to read as follows:

It is agreed that the party of the second party shall have the right to enlarge the testing privilege herein granted to a mining privilege provided notice of his intention so to do is given the party of the first part by registered mail, return receipt requested, to the address of the party of the first part at 433 North Broad Street, Elizabeth, New Jersey. Said notice to be given prior to August 1, 1941, unless the party of the second part shall during the said month and each succeeding calendar month thereafter to and including October, 1941, expend the minimum sum of \$500 in the conduct of testing operations on the said property, in which event the said notice may be given during any of the said calendar months succeeding August, 1941, but not later than November 1, 1941, and it is agreed that in the event such notice is given the party of the second part shall be entitled to the full use of the property during the life of the deposit provided the party of the second part shall pay to the party of the first part a minimum royalty or rental of \$500 a month beginning on the 1st day of the third calendar month next succeeding the date on which the said notice shall have been given. The party of the second part shall pay to the party of the first part on the 20th day of each month a royalty on the previous month's recovery of gold or other precious metals equal to ten percent (10%) of the net mill, smelter or mint returns of all ore extracted from the said property, it being the intention of this arrangement to secure to the party of the first part a minimum rental or royalty of \$6,000 for the yearly period beginning on the 1st day of the

third calendar month next succeeding the date on which the said notice shall have been given to be paid in monthly installments as hereinabove provided, but should the aggregate amount of royalties paid by the party of the second part to the party of the first part during any such year be greater than the sum of \$6,000 then and in that event the party of the first part shall only be entitled to the said royalty payments as herein provided and the monthly payments previously made in said earlier period shall be credited to the total amount due and any balance paid.

3. Paragraph 7, page 3, of the said lease and indenture is hereby amended to read as follows:

Party of the second part agrees to pay all taxes levied against his equipment and property and it is agreed in the event any special taxes are levied against operation or production of gold and other precious metals on said property the party of the first part shall pay ten percent (10%) and the party of the second part shall pay ninety percent (90%) of any such taxes. The party of the second part agrees to pay for taxes, labor, material and other expenses when due and to indemnify, defend and save the party of the first part harmless of and from all claims arising from his operations hereunder. In the event of the failure of said party of the second part to perform any of the substantial terms, covenants or conditions of this lease the party of the first part shall have the right at his option to give him notice in writing to that effect specifying the delinquency, and in the event the party of the second part fails to cure such delinquency within sixty (60) days after receipt of such notice, ~~then party of the first part~~ shall have the right at his option to terminate this lease and the rights of the party of the second part hereunder, and the party of the second part shall thereupon be relieved from any and all obligations to be hereafter incurred hereunder; ^{provided, however,} that in

the event of any dispute between the parties hereto as to the failure of party of the second part to perform any such substantial terms, covenants or conditions hereof or to cure any such delinquency, then such dispute shall be referred to a board of three arbitrators for decision, one of whom shall be appointed by each of said parties and the third, who shall be an experienced, and competent graduate mining engineer, selected by the arbitrators so appointed and the decision of a majority of the said arbitrators shall be binding on the parties hereto; provided further, however, that in the event of a decision by said arbitrators that party of the second part has failed to perform any such substantial terms, covenants or conditions or to cure any such delinquency then party of the second part shall have sixty days after receipt of the written decision of the said arbitrators to that effect within which to perform such terms, covenants or conditions or to cure such delinquency. In the event of a termination of this lease under the provisions of this paragraph the party of the second part shall have a period of ninety days from and after the date of such termination within which to remove any and all mining machinery, equipment or other property of whatsoever kind and character theretofore placed by him on the said property and in the event weather or soil conditions, acts of God or other causes beyond his control shall operate to prevent such removal during the said period then he shall have an additional period of ninety days after such conditions cease to exist within which to remove the same.

4. Paragraph 12, page 4, of the said lease and indenture is hereby amended to read as follows:

Party of the first part shall not sell, mortgage or otherwise encumber the whole or any part of the said property during the period of this lease and this lease and all of the terms, covenants and conditions thereof shall be binding upon the parties hereto, their respective heirs, executors, administrators

and assigns and the party of the second part shall have the right to assign all of his right, title and interest in and to this lease, provided that the assignee shall in writing first assume and agree to carry out the terms hereof.

5. The said lease and indenture as amended by the foregoing provisions hereof shall be and remain in full force and effect.

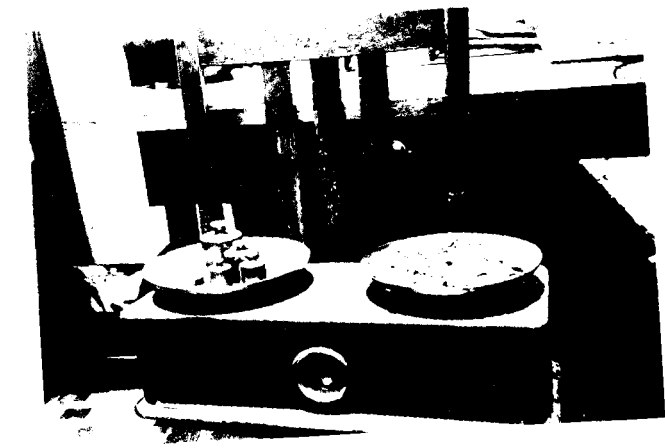
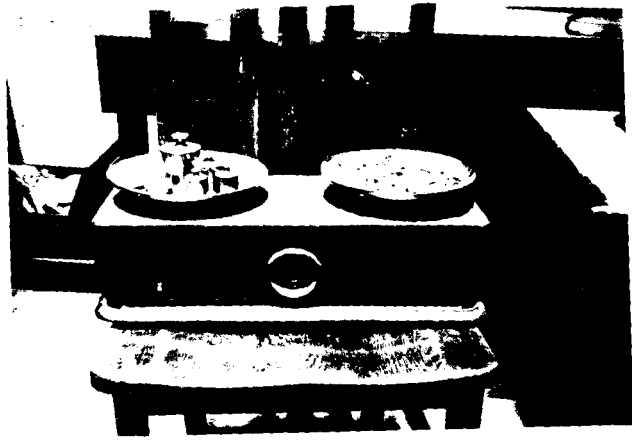
IN WITNESS WHEREOF the parties hereto have hereunto set their hands and seals the day and year first above written.

WITNESS:

First Party

WITNESS:

Second Party



Bank Sample: Station "C" Sterling Mine. 7-24-1941.

Vertical height of Bank 70 feet. Est. gold values for the 17.5 feet above B.R.4.7¢ c.Y.

Sample #	Size.	Material	Mgs. Gold values Cu.Yd.	
#30.	12" x 6" -5'	Sed, s , sands, Fine to Med. Gravels	Trs.	Trs.
#29	12" x 6" -5'	" " " " "	15.	16.5 ¢
# 28	12" x 6" -5'	" " " " "	Trs.	Trs.
#27	24" x 12" -2.5	" " " " "	Trs.	Trs.

No samples above 17.5 feet were taken, material mostly sediments.

Note. Trs. in Samples # 30, # 28 & # 27
did not weight .5 mg.

J. M. Wither

Sterling Mine, Jacksonville, Ore.
July th. 1941

Memo. to Mr. Levensaler;

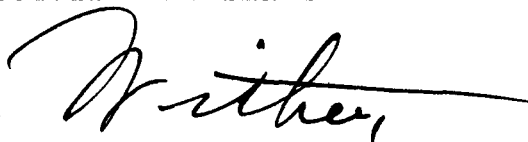
Drill hole #8, Cross-section "C" was finished to-day,
enclosing the Logs.

At Sta. "B" pit sample #18 was run, the depth is vert.
a continuation of #15, 16, & 17, an offset will be made below #18 into the pit

Sample.	Size	Material	Au, mgs.	Values per cu
#18.	12" x 6"	-2.5 Sands, Ang. F. to Med. G.s Clay strata 1 foot.	6.5	14.3¢ for 2.5

The celebration for 3 days over the Fourth had its
effect in delaying us, the machine shop was the trouble.

In looking over my letter of July 5th. Kindly
correct the following in the second paragraph "the balance of 20 colors
were small" to "the balance of 20 mgs, colors were small"



Following is the result of the first trench sample from the face of the present pit. Others will be mailed when completed.

<u>Sample</u>	<u>Size</u>	<u>Material</u>	<u>Weight Au</u>	<u>Value Cu.Yd</u>
#1	12"x6"x5'	Sand, fine and med. gravels	7 mgs	8 ¢
#2	"	"	11.5 "	12.7¢
#3	"	Sm. coarse	13.	14.8¢
#4	"	2.5 sand strata	3.	3.3¢
#5	"	Sed. sand, P.M. & C.	1.	Trace
#6	12"x6"x3'	"	32.	59 ¢
#7	24"x18"x2.75'	sand and med. hard B.R.	106.	53 ¢

Average gold values in 30.75' bank est. 16.8¢ per cubic yard. There has been some stripping done, 34 feet on the east side, less on the west. I figure an average of approximately 25 feet of stripping was done.

During the month of June six drill holes were completed as follows:

Cross Section 1,243 feet North of Pit Face

Hole #7 in Center Line of Pit

<u>No.</u>	<u>Depth</u>	<u>Bed Rock</u>	<u>Character Bedrock</u>	<u>Character of Gravel</u>	<u>Value per Cu. Yd.</u>
#1	Not Drilled				
#2	16'	14.5'	Med. Hard Slate	Very loose, clay with sediment to 9'	Trace
#3	23'	21.5'	"	Angular med, gravel 25% clay sediment	3.8¢
#4	23'	14'	Soft Slates with clay streak	Med. gravel, mostly clay	Trace
#5	23'	19'	Soft	Med. gravel, mostly clay	5.7¢
#6	30'	21.5'	Soft	Sands and fine gravel mostly clay	Trace

Bank Sample.

Station "B".

Sling Mine. July 18th. 4

Vertical Height 70.6 feet. Est. gold values per cu.yd. 6.6¢

Sam.#	Slope	Size	Material	Mgs.re.	Est.cu.yd.
#8	20°	12" x 6" - 8.5	Topsoils, Sands, Fine gravels.	85	25.8¢
#9	"	12" x 6" - 5.5	Sands, with F.G, s.	5	1.7¢
#10	"	12" x 6" - 5.5	ditto.	3	1.2¢
#11	"	12" x 6" - 5.5	"	Trs.	Trs.
#12	"	12" x 6" - 5.5	" sm. sed, s.	"	"
#13	"	12" x 6" - 5.5	ditto	"	"
#14	"	12" x 6" - 5.5 - Vert. 16.6	"	"	"
#15	90°	12" x 6" - 5.	Sed, s, S, angular F. & M. G, s	2	2.2¢
#16	"	12" x 6" - 5.	ditto.	Trs.	Trs.
#17	"	12" x 6" - 5.	"	1	1.1¢
#18	"	12" x 6" - 2.5	" with 12" Cl. str.	6.5	14.3¢
#19	"	12" x 6" - 6.5	Sed, s, S. ang. F. & M, gravels	Trs.	Trs.
#20	"	12" x 6" - 5.	ditto	5.	5.5¢
#21	"	12" x 6" - 5.	"	12.	13.2¢
#22	"	12" x 6" - 5.	" with Coarse G. s	.5	Trs.
#23	"	12" x 6" - 5.	"	.5	"
#24	"	12" x 6" - 5.	"	1.	"
#25	"	12" x 6" - 1.5	"	6.5	23.9¢
#26	"	24" x 12" - 4.5	Bedrock " " .5 into porphyry	72.	22.¢

All bank material puddled before rocking. Samples bet. #15 & #26 incl. picked into vertical face before sampling.

N. M. Wither

Preliminary Results Summary

27 55 cu. yd. @ 16.2¢
 28 50 cu. yd. @ 16.2¢
 29 10' " " 16.2¢
 30 15' " " Trace
 17 1/2' @ 11.6¢

A: 30.75 @ 16.2 - 25' stripped, Total height 56'
 B: 70' @ 6.6
 C: 17.50 @ 4.6

118.25 ✓
 25
 3 143.25
 52.50
 3 195.75
 65.18 ave height

L x V. 516.60
 462.00
 80.50
 118.25 / 1059.10
 1064.25

are 100 ft perched
 say 65' h.
 200' wide

Recap Holes 7_8_9_11

hole Values at

7
 27' druce 1
 29 " 1
 46 " 1
 Val 60 3 cal. .5mg → $\frac{81}{3151} = 26'$ above B.R.
 61 tr 1
 5.74 64 12 cal 3mg → 3147 = 22' above B.R.
 P.C.Y. 65 tr 2
 68 " "
 D = 89' 72 2 cal .5mg → 3139 = 14' above B.R.
 El = 3124.8 B.R. 73 tr - 1

8 — 13 tr - 2 v.s.
 19 " - 2 v.s.
 42 " - 1
 43 " - 1
 Val 44 " - 1
 80 " - 1
 7.7 & P.C.Y. 81 " - 1
 D = 88.5 82 " 1
 El = 3131.5 }
 B.R. 85 2 cal. 0.5mg → 3135 - 4' above BR
 87 tr - 1 } 4'
 88 3 cal. 1mg }
 89 2 " 1 " → 3131 at B.R.

9 19 tr - 1
 50 tr - 3 v.s. → 3178 46' above B.R.
 Val 53 " - 1 " } 5' } weak min?
 tra & p.c.y. 55 " - 1 " } → 3173 - 41' above B.R.
 D = 91.5 71 2 cal - .5mg - B.R. → 3137
 El = 3137.2 B.R.

11 (18 - 3 cal - .5mg → 3225 - 47.7' above B.R.
 20 - 6 " - .5mg } 5'
 22 - 4 " 2 mg }
 Val 23 - 5 " 1 " → 3220 = 42.7 " "
 24 - tr - 1
 16.3 & p.c.y. 41 - tr - 2 v.s.
 D = 66.5 54 - tr - 2 "
 El = 3177.3 (55 - 7 cal - 10mg → 3188 = 10.7' above B.R.
 B.R. 57 - 2 cal 2 " } 5'
 58 - tr 1 v.s. }
 60 - 5 - 1mg → 3183 = 5.7 " "

Stirling Mine, 6/23/1941

Jacksonville Oregon
Memo. to Mr. Levensalee,

Find enclosed Field Logs, & Drilling
Reports of Drill Holes #4 & #5 Cross-section C-
Hole #4 Weight of gold Traces - Value per cu. ft. Trs.
" #5 " " " 5.5 mgp Est. " " " 5.74

The drill is on the Western rim of the
deep channel on Drill Hole Station #7.

Casing down 34 feet, on account of the
excess clays in the core, which are being
puddled down near the creek, I am unable
to give any idea of gold values, I put in
test shot occasionally to test the pumps,
only to recover the same after clays are
dissolved, I look for this hole to go
at least 50 feet down, or more, if McComick's
information on his drill test #5 was correct.

on station #6, approx 150 feet East of the
Pearce residence, bedrock was 21.5 feet,
the hole was continued to 30 feet:

Wisher

Kindly send me a pad of Lowman &
Harford Co. "Field Logs" 61472, I
have plenty of Drilling Reports.

AMERICAN SMELTING AND REFINING CO.

Northwestern Mining Department

1108 HOGE BLDG. SEATTLE, WASHINGTON

D - Turned down after Examination:

- 1 Coliseum ~~mine~~ ^{gold} - San Bernardino Co Calif
- 2 High Ridge ~~gold~~ ^{gold} Madison County, Montana
- 3 Mc Gowen Titanium Beach Sand - Pacific Co., Wash
- 4 Osgood + Esterley gold place - Josephine Co - Oregon

F - Turned down without Examination:

- 20 Thorpe Quicksilver - Yakima Co, Wash
- 6 Fisher - Doan " Harney Co - Oregon
- 11 Mercury King " Crook Co "
- 9 Ideal " " "
- 8 Great Bend gold - Esmeraldo Co Nevada
- 16 Plank place gold Tunit Co - California
- 3 Chloride Cliff gold & copper Inyo Co "
- 18 Reed gold Shasta Co "
- 12 Moran Cr. Tin & gold place Hot Spring Alaska
- 17 Rand Cinnabar Winnemucca Nevada
- 19 ~~18~~ Sadanke Zinc ^{Alutian Is} Alaska
- 5 Empire Silver Corp - ~~Boyer~~ d'Alene, Idaho

J. T. Wack

Herewith a brief summary of activities during first quarter of 1941

1. General: Quarter ^{gross receipts} Expense \$1500.⁰⁰ less 224.50

Cash on hand Seattle just net. 13ant.

gives a ~~net~~ ^{total expense} of \$1275.⁵⁰

2. Sterling

3. Properties more or less under consideration awaiting more data, better terms or opportune time for acquisition -

~~Sterling Creek ^{gold place} - Jackson Co Oregon~~

4 Hidden Lake ^{gold} - Deer Lodge Co - Montana

2 Croesus ^{gold-silver} - Blaine Co - Idaho

3 Emmont ^{gold} - Beaverhead Co - Montana

1 Alameda ^{gold} - Josephine Co Oregon

4

Turned down

AMERICAN OVERSEAS BANKING CORP.
INCORPORATED IN THE STATE OF CALIFORNIA
MEMPHIS, TENNESSEE

- 15 Memphis group gold - Charleston - Nevada
- 4 Del Monte group gold Sparta Oregon
- 13 Manson Cr. placer gold. Ormenca B.C
- 14 McAlister Antimony - Wheaton Dist. Y.T.
- 1 Bullard mine gold & copper Arizona
- 21 Vercan mine gold Datman Arizona
- 10 Karyuk Hills dist. Alaska
- 2 Big Hurrah Nome Alaska
- 7 Fairview Sheridan Mont.
- 2 Sterling placer gold - Jackson Co. Oregon

Examination & negotiation

Preliminary 4 - Travel & negotiation expenses - 315

~~148.75~~
~~66.25~~
~~1.00~~
 315.00

negotiations proceed satisfactorily.

Dec. 1915 - Trades on New York
Boston Curb.

In Jan 1919 went filed. The
complaint alleged that 75% of
stock was issued to the promoter.
as "promotion stock" at time of filing, 1918.
I looked at stock on tick for 1918
& when promotion stock was sold

1916	high price	37.92
1917	price	18.00
1918	price	23.71
1919	price	18.02
1920	price	7.86
ave		10.30

was baby the result
of the boom in
ingsters mining

Africa prod. 60% world
China 30% "

present price
23.50
unit

China 50-60% of US import.

Mojave Tungsten Co
74 Broadway

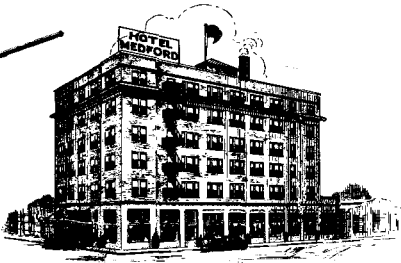
"Mines Handbook"
1918

data ~~from~~ 1917
rechecked

The Co. operates a tungsten property in Colorado
from which it produced a ton per day once
~~before~~ but not from the Calif property.

Tungsten ore occurs chiefly as wolframite
in a quartz vein in gneissoid granite.
Development by 2 main + 5 prospect shafts
disclosing numerous small bodies of
high grade wolframite ore. The longest one
so far encountered was about 125' long
on the 100' level in No 1 shaft.

Output: the California property is still in
the development stage and the output
has only been 4-5 tons of conc per month.



HOTEL MEDFORD

COMMERCIAL MEN'S HOME

EMIL MOHR, Manager

MEDFORD, OREGON

1. Rodinson plant. farthest to Medford
 2. " " " " mine
 3. " " " " assembling
- What year Sterling shut down? } 1907?
 } 1908.
 } Bullis
1. Ditch carrying capacity 7500 Sec. ft. } 1913-4-5-6-7.
 } 8
 2. Where terminate to head.
 3. Does it include Penstock? 710
 4. Time required?
 5. Everything furnished etc
- How many days H₂O - 40 sec feet? } 1/3 line
 } 20 " " ? 1500 days
1. M₂ Cornick figures
 production < 100,000 tons @ 150' ?
 < 50,000 < 34m, 25m, 40d.
 yds. ?
- time to produce
 yardage handled
 270' / 800' 4' an.
 acc W, L, & D.

according to Maynard Co own acc figures
 as now - 15,000 from 1907 face -

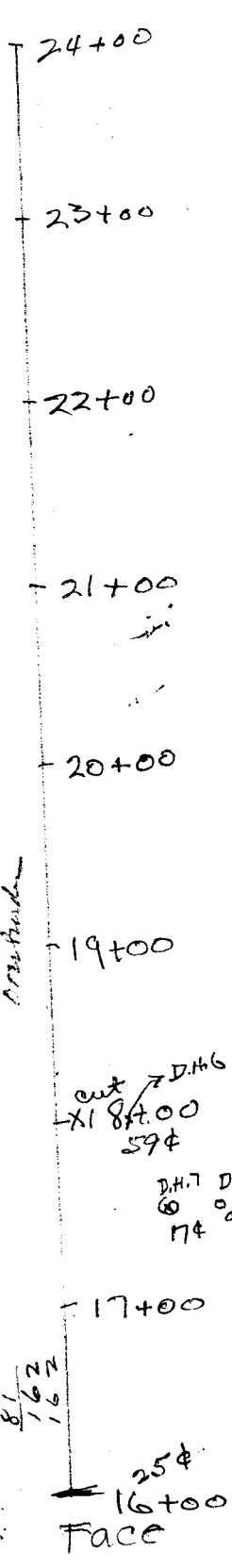
Gateway to Crater Lake, Diamond Lake and Lake O' the Woods

Bullis 500-600' up
 Stream

~~336000~~
 27
 336000
 20000
~~1200000~~ 804
 150
 150
 150
 6720
 90.7 20 cent

2780
 216000
 42
 432000
 864000
 9072000
 81
 97
 81
 162
 162

336000 cu yds
 150000 barrels
 186000 wasted
 crushed



cut → DH6
 X187.00
 59¢

DH7 DH8
 17¢ 9¢

From present face = 50' @ 42¢
 1590000 lbs = 1/4 mile up St.
 next 1/4 mile hole = 80' @ 92¢
 next 1/4 " " 90' @ 90¢
 roughly 2 miles
 margin 200000
 150,000 cu yds

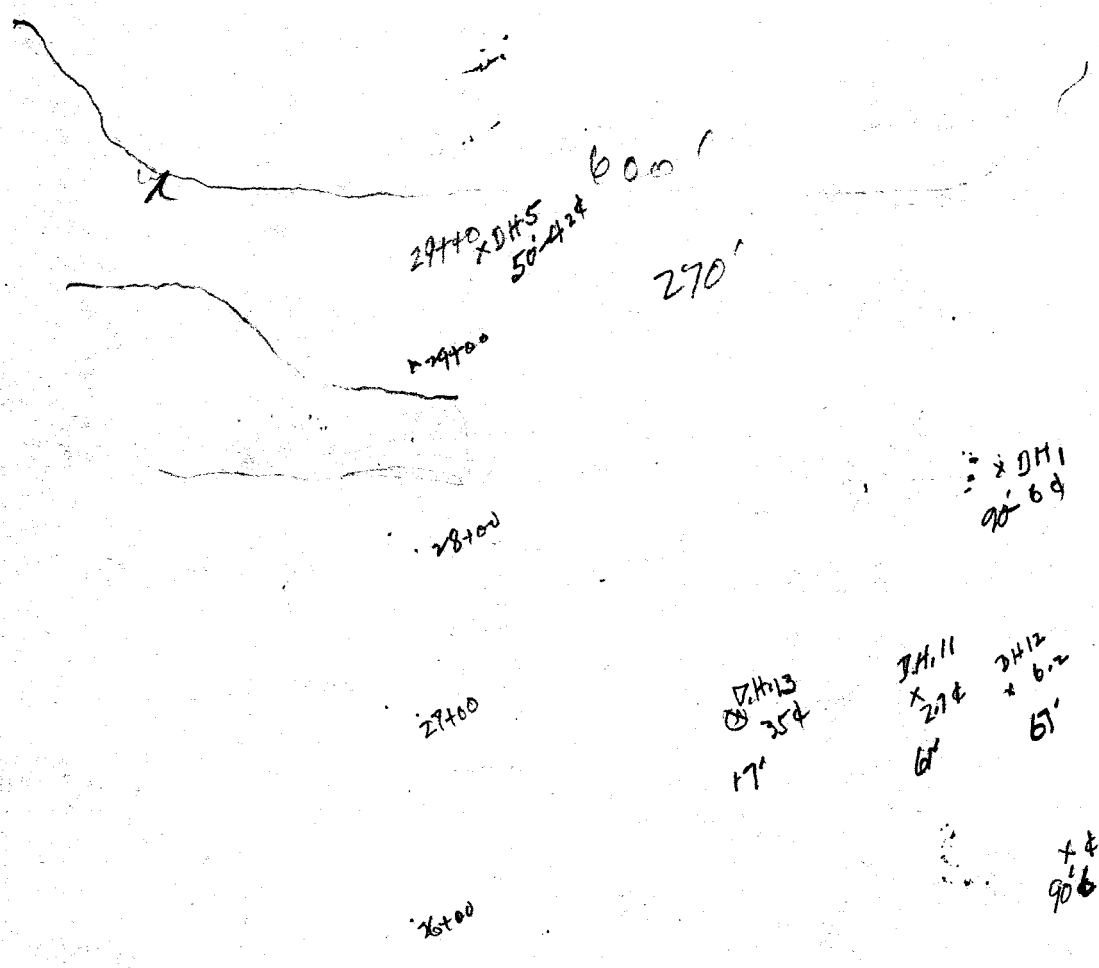
DH10
 34¢

DH9
 19¢

payment not
 enough
 not enough
 payment
 account
 former

8
 27060000
 90
 20
 18000000
 72000000
 12000

DATA
 904
 61'
 DATA
 80-924
 DATA
 04



29440 DATA 50-424 6000

290'

DATA 90-64

DATA 354
 17'

DATA 274
 61'

DATA 90-6

14 @ 70

55
10 - 59

28 - 17

375 - 9

77 - 19

78 - 3.8 ✓

615 - 2.7

90 - 90

80 - 92

50 - 42

90 - 6

75 - 2

~~47 - 59~~

67 - 62

17 - 20

28
17
196
28
476
19
27
333
78
38
624
234
615
29
5535
230
178.35
62
62
134
402

13 | 761

0 60
avr

moon

① 250 ✓
30.93

159. ① 280.93

50
30 -

159.
476.
347.5
1463.0
296.4
178.35
8100.
7360.
2100.
540.
150.
415.4
3340

761 | 21925.65 | 28.8
8 | 1522

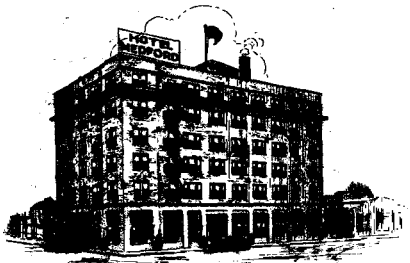
6705
6088

6176

6088

88

28.84 per cu yd
avr 60'
for 13 holes



Sus. Nov 21 / 40

HOTEL MEDFORD

COMMERCIAL MEN'S HOME
EMIL MOHR, Manager

W. W. William Doss
MEDFORD, OREGON

Manufacture

- 1 - Distance from face to hole 5
- 2 - el. at 5. or other holes (1340')

3 - Water Rights other than those marked?

4 - Can this be factoring continues?

5 - Is all ground patented

Conf. pt
48

6 - Cost of Grand plant complete
\$1000 with motor at mine.

to handle 150 yd per hour?

7 - Knowledge of overhead cable way
600 N.G.

75000 If all Bodinson's Ground
out right sale or royalty fair

9 - Where are J.H. 6-13

10 - Where O sta on Rimberg stations
el.?

29 + 4
Lim 16 + 00 at your face
1340

more
water limit 3000
clean up job!

HOTEL MEDFORD

2000
2850
150

75
1 1/2 grade

5280
2 1/2

10560
2640

13200
270

924000
26400
3564000
70

2200

27 | 249,480,000 | 9,000,000
243

9000000 | 1,500,000.00 | .02 1/2 %

3 | 70
23 3
90

12000
40

2070
30

2100 \square yds
4000

8400,000

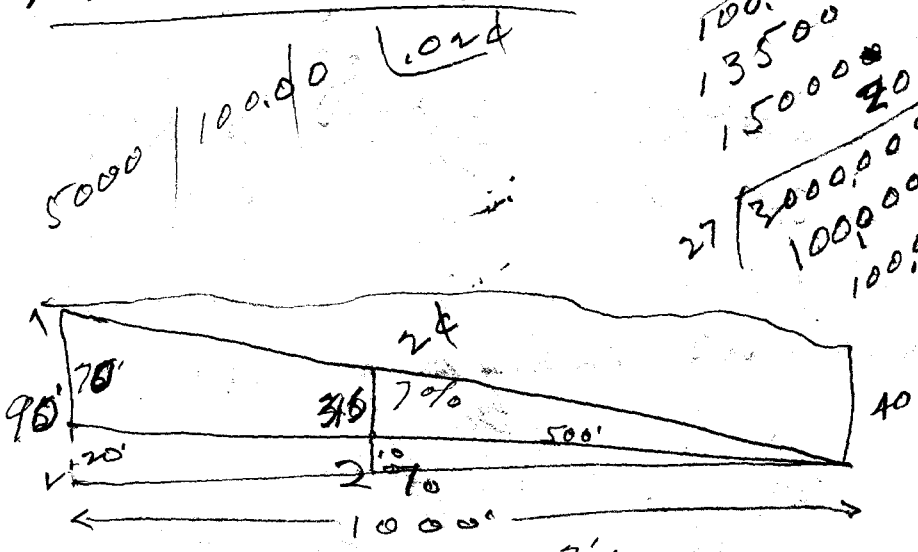
(Answer to Question 1: The amount of the bond)

65 days
 HOTEL WINDY
 750
 900
 97.50
 3000
 292500.00
 292,500

20
 40
 28
 684
 18
 50

50
 20
 2170

5000
 100000
 13500
 150000
 27
 2000000
 100000
 100000 yds



65 day

87500
 87500
 200000
 375000
 15
 187500
 187500
 67500
 120000

270
 500
 13500
 17 1/2
 45000
 50000
 67500
 2362500

2/35
 17

50000 muck
 45 days

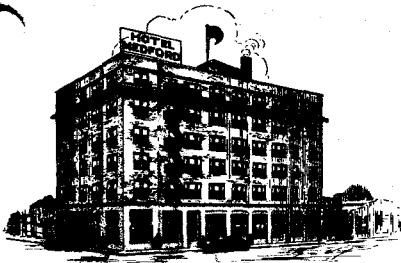
87500 cu yds

45
 285
 270
 20 days

27
 3750
 18
 216
 202
 189
 135
 30000
 37500

25
 87500
 75
 125
 87500
 35000
 65
 175
 215

Gateway to Crater Lake, Diamond Lake and Lake O' the Woods
 500-600' up
 Stream



HOTEL MEDFORD

COMMERCIAL MEN'S HOME

EMIL MOHR, Manager

MEDFORD, OREGON

2500 / 200.00 .08¢

15
75

3 @ 10

3 @ 10

6 @ 5

1 @ 5

1 @ 15

2 @ 5
2500

30

30

30

5

15

120

30

150.00 .06¢

2000 ~~20~~ 15¢

80

7680
654936
1130.64

27¢

17
10¢

1000000

100000.0

50

13 1/2 ¢

10¢

12¢

15¢
15¢
30¢

Gateway to Crater Lake, Diamond Lake and Lake O' the Woods



#2 Giant Sterling placer Ivan Rock



#2 Giant Sterling placer

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

STERLING GOLD QUARTZ MINING & MILLING CO. (gold) Upper Applegate area

"The Sterling Gold Quartz and Milling Company has developed a group of claims near the north line of section 33, T. 38S., R. 2 W., at an elevation of about 2800 feet by barometer. The lower adit is about 240 feet long following a vertical quartz vein 1 foot or less in thickness associated with fissuring filled by calcite and sulphides. The middle adit is about 60 feet long following quartz stringers which strike S. 70° E. and dip about 50° N.E. The upper adit is about 400 feet long; it enters as a crosscut, and then drifts on crushed zones in the country rock, one of which strikes N. 15° W. and is nearly vertical. Seams of calcite, quartz, and some pyrite run in all directions. The main crushed zone strikes N. 45° W. and dips about 80° S.W. Some stoping has been done irregularly in this zone. No work has been done for the last few years."

Reference: Winchell, 14:133

STERLING MINE (Placer)

Upper Applegate area

Owner: Sterling Mines, Inc. Operated by Quercus Corporation of Elizabeth, N. J., as lessee.

Location: secs. 27, 28, 30, 33, T. 38 S., R. 2 W., and secs. 4, 8, 9, 17, 18, T. 39 S., R. 2 W., on Sterling Creek, a tributary to the Little Applegate River. The creek is 7 miles long; elevation at its source is 3000 feet and at its mouth is 1850 feet.

Area: 1800 acres, patented.

History: Parks & Swartley, 16:213 described the property as follows:

"The Sterling Placer Mine is on Sterling Creek, from 1 to 4 miles above its mouth, at Buncom, on Little Applegate River, and is owned by R. S. Bullis, of Medford. The present workings are on the south line of sec. 33, T. 38 S., R. 2 W., at an elevation of about 2300 feet. A large electric power pump has recently been installed, by means of which pressure at the nozzle has been increased to the equivalent of a head of about 200 feet. The gravel is so thoroughly cemented that much of it must be broken with powder before using the giants. The deposit is 20 to 40 feet thick and about 400 feet wide. Drifts have been run on bedrock ahead of the giants about 100 feet. The gravel contains boulders of andesite and some quartz. According to G. F. Kay:

"The values are found across a width of nearly 200 feet. In these gravels the tusks and jaws of a mammoth, as well as mammalian bones, have been found. The bedrock at the mine is greenstone, in which are patches of slaty tuffs, whose strike is N. 8° E. and dip is about 60° W. The slope of the bedrock is about 2 feet in 100 feet. The length of the working season varies from 6 to 9 months. The value of the gravels was about 40 cents to a cubic yard. Total production is said to exceed \$3,000,000."

Considerable hydraulic mining has been done for a distance of 4 out of the 7 miles extending upstream from the mouth of Sterling Creek at Buncom. No records of the yardage moved are available, but it is stated

that over \$3,000,000 has been recovered from this mining. Mining was first done by hand, then by hydraulicking on a large scale after 1852. The first company was organized in 1872, and the 30-mile Sterling mine ditch was constructed by Chinese labor to carry 75 second-feet of water out of the Upper Little Applegate River to a point approximately four miles up Sterling Creek above Buncom. First records of gold shipments date back to 1878, and are continuous until 1917.

The Ankenys, of Portland, purchased the property in 1877, had the long ditch built, and operated the property for 30 years. The Sterling Mining Company operated from 1909 to 1914. R. S. Bullis worked the property from 1914 to 1919.

Development: From 50,000 to 100,000 cubic yards of material above the level of the ditch have been tested for treatment in washing plants of several designs and capacities. Tailings and ground formerly worked by bedrock drifting below the ditch have been hydraulicked each year, during a 5 months period between January and July. About 2½ miles of virgin channel above the level where the ditch line crosses Sterling Creek remain.

Geology: Sterling Creek flows at about a 4 percent grade between low hills, and the largest flat is approximately 1500 feet wide. Bedrock consists of greenstone and argillite. The average thickness of the gravel mined has been about 40 feet for a width of from 200 to 400 feet, following the ancient channel. The gravel becomes very much wider near the head of Sterling Creek. It contains considerable clay; some large boulders are found that average 3 to 4 feet in diameter. The gold is medium to coarse with relatively little black sand. Some nuggets are found that range in value from \$1.50 to \$100. The largest known nugget was valued at \$500.

Sterling Mine (placer)

- 4 -

The gravel contains values ranging from 10 cents to \$1.00 in value; in "hot spots" \$40-pans have been washed out.

Equipment: The washing plant and three giants together with flume necessary for gold recovery receive water from the 30-mile Sterling mine ditch. The giants operate with 3½- and 5-inch nozzles, under a 300-foot head. Eleven to sixteen men are employed.

The water right dates back to 1877 for water during the period from November to August 1st of each year. Normal precipitation is about 15 inches per annum, but the mine depends on the snowfall in the Dutchman Peak region of the Siskiyou Mountains.

Reference: Parks & Swartley, 16:214 (quoted).

Informant: D. Ford McCormich, February 6, 1940.

* * * * *

RECORD IDENTIFICATION
 RECORD NO..... M061475
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 MAP CODE NO. OF REC..

REPORTER
 NAME..... JOHNSON, MAUREEN G.
 UPDATED..... 81 01
 BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION
 DEPOSIT NAME..... STERLING GOLD QUARTZ MINING CO.

MINING DISTRICT/AREA/SUBDIST. UPPER APPELEGATE

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... JACKSON
 DRAINAGE AREA..... 17 APPELEGATE RIVER
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS

QUAD SCALE QUAD NO OR NAME
 1: 62500 TALENT

LATITUDE LONGITUDE
 42-13-43N 122-56-35W

UTM NORTHING UTM EASTING UTM ZONE NO
 4674950.0 504700.0 +10

TWP..... 38S
 RANGE..... 02W
 SECTION.. 33
 MERIDIAN. WILLAMETTE

ALTITUDE.. 2800 FT

LOCATION COMMENTS: N LINE

COMMODITY INFORMATION
 COMMODITIES PRESENT..... AU AG AG

ORE MATERIALS (MINERALS, ROCKS, ETC.):
GOLD, PYRITE

COMMODITY SUBTYPES OR USE CATEGORIES:
0.828 AU:AG

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
VEIN/SHEAR ZONE
FORM/SHAPE OF DEPOSIT: STRINGERS, SEAMS

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
STRIKE OF DREBODY..... N45W
DIP OF DREBODY..... 80SW

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):
ABOUT 700 FT OF CROSSCUTS AND DRIFTS ON THREE LEVELS. SOME STOPES

PRODUCTION

YES
SMALL PRODUCTION
23 AU, SML SOME PRE 1914 AU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... ANDESITE
PERTINENT MINERALOGY..... QUARTZ, CALCITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: APPLGATE GROUP
AGE: PERM-TRI

GENERAL REFERENCES

1) WINCHELL, 1914

RECORD IDENTIFICATION

RECORD NO..... M061166
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
UPDATED..... 81 05
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... STERLING MINE
MINING DISTRICT/AREA/SUBDIST. UPPER APPLEGATE
COUNTRY CODE..... US
COUNTRY NAME: UNITED STATES

STATE CODE..... OR
STATE NAME: OREGON

COUNTY..... JACKSON
DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
1: 62500 TALENT

LATITUDE LONGITUDE
42-13-47N 122-56-19W

UTM NORTHING UTM EASTING UTM ZONE NO
4675057.5 505073.2 +10

TWP..... 38S
RANGE..... 02W
SECTION.. 28-33
MERIDIAN. WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: ON STERLING CREEK

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

PRODUCER(PAST OR PRESENT):

ANALYTICAL DATA (GENERAL)
GRAVELS SAID TO RUN \$0.40/YD IN 1914 (0.02 OZ/YD)

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLDR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

PLACER

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX LENGTH..... 7 MILES
MAX WIDTH..... 400 FT
MAX THICKNESS..... 40 FT

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):

HAND, HYDRAULIC AND BEDROCK DRIFTS

PRODUCTION

YES
MEDIUM PRODUCTION
SMALL PRODUCTION

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

16 AU	EST 0150.000 OZ	1852-1914	
17 AU	EST SOME	1914-1930'S	
23 AU, EST	3000.000*DOLLARS	1852-1919	AU (\$0.40/YD)

RESERVES AND POTENTIAL RESOURCES

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE OR USE
1 GRAVELS		SOME			

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PLEIS
HOST ROCK TYPES..... CEMENTED GRAVELS

GEOLOGICAL DESCRIPTIVE NOTES. BEDROCK IS GREENSTONE, BOULDERS OF ANDESITE & QUARTZ ; PLEISTOCENE FOSSILS; GRAVELS ARE CEMENTED