LOGALS PLACER WALD

REPORT

of

LEWIS A. LEVENSALER, M. E.

on

LOGAN PLACER PROPERTY

WALDO - OREGON

DATED

1916

INDEX

Detail panning records
Detail shaft records
Pit samples and remarks
Yardage and valuation

Page No.

1 - 20

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21 - 23

24 25

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# PANNING TESTS

Shaft Number	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
1	4. 5 6	2 1 0	Red to gray clay Boulder fermation
i,	7 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	A CANADA AND AND AND AND AND AND AND AND AN
2	6 9	0	Top soil and clay Boulder formation
•	111	1 small	
3	5 5 8	16	Brown clay
	8 10½	( <b>0</b>	Boulder formation
4	**************************************	0	Top gravel (Samples from dump)
	7	0	Boulder formation
*5	5	6 5	Brown to red clay
	13 13	0	Boulder formation
	148	0	The Artificial Control (A)
6	3 4 6 <del>1</del> 7	2 5 6 5	Top soil and clay Brown clay
. \$4 - 15 . ***	10 14 17	1 0 0	Boulder fermation begins
7	6	ŏ	Clay with a constant of the co
	8	l small	<b>▼</b>
	10 12	0	Boulder formation
8	5 6 8	<b>2</b> 0	Clay Boulder formation
		0	17
	9	0	11

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	Shaft	Depth (feet)	Colors to the Pan	Character of Ground and Remarks
Start Lumbor	9	3	0	Yellow Clay. Contact between two different formations dips fifty
. Sand		6	0	degrees to north. Red to brown clay
		7	Õ.	Boulder formation
	10	3	1	Clay and soil
		6	0	Boulder formation
3		8	0	
	11	3	<b>3</b> 6	Brown clay and top soil
ern.		<b>4</b> .	<b>5</b>	Brown clay
3		5 5 7	12	Red to brown clay
	:		16	
		9	23	Clay
4		10: 11	25 c	A salities was to sale of
		14	Ō e	Ashy material Boulder formation
		14	O -	THE PROPERTY OF THE PROPERTY O
Ö	12	51	<b>4</b> %	Clay
ALIE		11	1 .	Boulder fermation
		121	0	
		145	0	
	13	3	94	Top soil and clay
sui		3 4 8 :	84	Clay
			2	Brown gray
		8 9 <u>1</u>	Ö	Boulder formation
		- 2		er en
	14	8 8 9	3	Brown elay
		8	<b>3</b> 5 0	W W "
ç	M.	<b>7</b> :	U	Boulder formation
	15	8	7	Clay
	L. etcomb	8 8 <del>1</del> 8	2	₩ - <sup>™</sup> -s.
	A. A	3 A	0	H 15
8		14	U ·	Bould er formation

Slaft 1	Sheft Number	Depth (Feet)	colors to the Pan	Character of Ground and Remarks
ledau	16	8	16	Brown to red clay
ę		10 12	13 22	TAY
•		12	6	
	•	13	24	
		13 14	15 20	
	i	14	6	
10	;	14	13	
		14 15	19 7	
		16	3 8	
ĹĬ	3 2	16	8	a Hay tag An
		16 17	8 6	Loose gravelly
	!	20	0	Boulder formation
	•		20 on	Dump material down to 18 feet.
	17	8	6	
		9	6 8 8	and the state of t
		10 10	8	
		10	4	The second secon
3.1		12	6	
		14 15	Ö	Top of boulder formation Boulder formation
5.1	18	, <b>5</b>	<b>6</b>	Top gravel and soil, abandoned account of water.
	19	1-8	0	Top soil, gravel and clay
	¥7	15-25	0	Clay and soft boulder, much water below 20 feet
ħ.C		24	0	Boulder formation, much water
14		27	0	Beauty Telegraphic Control
	20	71	20	Clay and soft boulders.
			္ခ်	Boulder formation
- Touler		12	1 2	
		14	<b>2</b> .:0	The state of the s
		15 17	0	en e
		18	0	 11 H
		19	0	N N
		Dump	0	Dump

<b>3</b> (1)	o la li Todnisi	Shaft Number	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
	ðſ	21	<b>8 6</b>	0	Top gravel, oild tailings.  " abandoned account of
		22	13 15 16 16 <del>1</del> 17 21 21	3 2 36 11 10 0	Red Clay Gravelly Sticky red clay """ """ Boulder formation
		23	2 8 10 10	16 33 6 27 10 52	Top soil Top elay Red to brown clay " " " " " " " " "
	7.7		15½ 16	51 0	Red to brown clay, gravelly Boulder formation
· · · · · · · · · · · · · · · · · · ·		24	8 8 8 Dump 13	14 19 21 1 33	Brown clay  ""  Clay wash  Boulder formation
	8.1	25	5 8 8	4.	Clay Boulder formation
<u>I</u>	8.0	26	4 5	0 16 16	Brown clay
	<b>S</b>	***	6 8 8 11 14 18 19 22 23	25 10 8 5 0	Blue-yellow clay Yellow-brown clay """"""""""""""""""""""""""""""""""""
i.					

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		$(x,y) = \frac{1}{2} \left( \frac{1}{2} \right) \right) \right) \right) \right) \right) \right) \right)}{1} \right) \right) \right)} \right)} \right)} \right) \right)} \right) } \right) } } \right) } } } }$		
ikeft Teder 21	Shaft Number	Depth (fest)	Colors to the Pan	Character of ground and remarks
1.5			,	orming to the stand and lamarks
33	27	4 7 8 8 10 14	13 9 10 12 5 6	Top soil Brewn clay """ Yellow to brown clay
67		15 17 19 19 19 19 20 21 21 21 22	1 1 5 5 5 5 1 0	Deal brown ashy Gray ashy  "" "" "" "" "" "" "" "" "" "" "" "" "
24	28	1 4 10 13 16 18 22 25	15 12 1 1 1 5 0	Top soil Yellow-brown clay Red gravelly Brown gravelly Loose rocky Boulder formation
43	29	2 <del>1</del> 4	11	Top soil Abandoned account of water
33	30	2 8 8 10 12 14 16 17	3 0 0 0 5 fine 0	Top soil Brown slay Ashy brown """ Boulder formation """
	31	5 10 12 16 16 <del>1</del> 19	11 0 0 0 0 0	Sticky brown clay Ashy brown loose  "" " " " " " Red ashy

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	Shalt Number	Depth (Feet)	Color to the Pan	Character of Ground and Remarks
 irsid Todas	31	19 <del>1</del> 20	3 4	Red ashy
73		23 24 25 26	0 0 0	Hard boulder formation
	<b>3</b> 2	<b>3</b> . 3. 4. 4.	10	Top material
	·2	<b>4</b> ( ) 8	3 10	Blue-yellow mud
		11 18 18 <del>1</del>	5 0 2 0	
		21 22	2 1 10 10 10 10 10 10 10 10 10 10 10 10 1	Boulder formation
	7.7			n same <mark>ti</mark> s to discount o <mark>ther people</mark> of the energy of th
	33	<b>4</b> . 1	7 13	
		8 <del>1</del> 13	9 // 3 //	and the second of the second o
છે		15 17	5 fine 3 "	
		18	1"	
		20 20	i "	
		<b>22</b> - 22 <mark>)</mark> :	16 med. fine	
		22 <del>1</del> 23	10 11	
ĊĴ.		23 25	<del></del> 9 0	Pould are do services
( <b>)</b>		25	<b>Ö</b>	Boulder formation
,	34	<b>3</b>	9	Abandoned account of water
·	35	3	11	
	226	3 3 <del>2</del> 5	6 10	The state of the s
j		5 <del>}</del> ∨. 6 <del>4</del> ∂%	10 7 8 16 12	The second second of the secon
1 X2 4, 58		6 <del>2</del>	16 12	
		8	12	
		8 8 9	17 11	
		10 <del>1</del> 13	<b>7</b> 0	

Chaft Lumber	Shaft Number	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
31	35	15½ 16 18 20 20½ 21½	0 2 2 0 0	Three feet in red grits Red gravelly Red-blue grit
୨ ବ	-	232 24 24 25 25 26 27	10 9 6 2 10 0 1 large	Red grit Red-blue grit Brown gravelly
à C		29 30 31	5 fine 0 0	Coarse brown and green boulders Boulders
	<b>3</b> 6	3 4 5 10 13 17 <del>1</del>	8 5 10 0 0	Fine one foot yeblow clay Very fine Yellow-blue clay Dead brown material
3 <u>4</u> 3	<b>37</b>	5 6 7½ 10 13 16 16 17 17 20 21	8 0 0 0 0 0 0	Brown clay Red clay with gravelly
	<b>38</b>	3 5 5 8 11 12 13	4 8 0- 0 2 2 2	White=Yellow Clay Red Clay Brown ashy gravel

			en en en	
Sheft	Shaft	Dep th	Colors to the	
Namber	Number	(Feet)	Pan	Character of Ground and Remarks
34 -	39	8 12 15 19 <del>1</del> 23 23	10 1 4 2 2 0 0	Fine yellow surface clay Grit brown gravelly Gray gravelly Brown ashy material
	40	<b>5 6 6 9</b>	6 3 3 8 3	Yellow clsy grit Brown loase gravelly
		9 10 18 20 22	3 0 0	White and red clay Brown dead ashy material
ôħ.		23	4 <b>0</b>	tan pina tanggaran kalendar k Kalendar kalendar ka
	41	4 6 7 7 <del>1</del> 8	7 13 10 7 2	Brown mud: Sec.
87		8 8 10 13	6 17 15 4	Fine Yellow clay with grits Blue clay
		14- 16 17	© © 0	Red-brown clay  Bottom looked good but pans no chlors. Closed account water.
88	<b>42</b>	2 4 5 7	6 3 4 5	Fray grit surface red to yellow clay Yellow clay, gritty
		7 9 10 10 10	5 8 74 45 25 6	Red clay

		Shaft Number	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
reú T	Shaft.	42	13	er i Alas	
臣)	nedam!		14		Red Clay
	32		16 <del>1</del> 19	0	Brown dead material
		a de la composition della comp	19 20	) . <b>3</b> . 2	Red gravelly
			22 22 <del>1</del>	Õ 5	Red-brown clay
			23 <sup>*</sup> 25	5 ∂7	Gray gritty clay Red gravelly
			27	15	Red clay with yellow material
	40		29	10	Yellow gritty clay
	Sec. 33	<i>4</i> ,	<b>3</b> 0	1.0	Brown clay
			31	∴8	Ashy brown
			32	: 0	
			32 <del>1</del>	<b>. 2</b>	Boulder formation
		43	<i>3</i> 5	11 7	Red gravel surface Red clay
			6	8	Lea orsa
			7	10	Red gri tty
			10	6	Red-yellow gritty
	£1.	ĺ	12	3	
	J. 2.*	•	13	.3 1	Red-white clay
			15	0	Dead brown ashy
1		ida.	<b>~21</b>	<i>;</i>	14 16 16
i i		•	22	0	27 15 99
			22	50	97 99 99
		44		7	Surface soil
			21	6	Gray-white clay
			4	<b>4</b>	Yellow clay
			5 6 6 8 8 9 2 8 9	4	Red elay
		<u> </u>	6 <del>1</del>	0	Brown dead sshy
			8 <del>1</del>	0	77 17 17
-			9 <del>1</del>	2	37 17 39
			. 13	0 2 0	77
	4.2		14		tt in the state of the
1	7,000		<b>16</b>	; <b>O</b>	Maria Araba da Araba
		45	3 <del>1</del>	÷ <b>5</b>	Red-gray clay
			6	Ö	Red-brown clay
			7	20	Yellow ashy
		į	9	₹0	<b>19</b>
ļ			2.5 12	, <b>1</b>	
(in particular particu			<b>15</b>	• 0	Brown ashy material
		l .		3	• Section 19

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<b>\$</b> }	Shaft Number	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
	46	2 1 2 3 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 2 6 8 4 0	White-gray clay Gray alay gritty Gray alay Brown clay with lime Gray ashy material Boulder formation
	47	<u> </u>	20	Red clay gritty
<i>22</i>		6 6 9	8 4 3 9 15	Yellow elay gritty
		13 16 17 18 19 19 25	21 3 7 0 5 6	Brown ashy clay Yellow alay Brown ashy clay Brown to red clay Brown with gritty clay
<u> </u>	48	41 7 5 12 15 17 18 19	5515657270	Very fine solors
	å*.	20 22 25 25	60	Mush water
ä	49	3. 4 5 10 12 13 14 17	7 5 6 8 0 25	Red day gritty  """  """  """  """  """  Vellow clay  ""  ""  ""  ""  ""  ""  ""  ""  ""

inode rodani	Shaft Numb <b>er</b>	Depth (Feet)	Celors to the Pan	Character of Ground and Remarks
Ù₽ 	50	3 5 6 10 11 121 13 18	12 10 21 10 8 2	Gray gritty clay Yellow gritty clay Red clay Yellow-white clay Red gritty clay
4.7		22	Ö	Ashy material
	51	2 5 5 115	50 0	Tép soil Red gritty slay Yellow ashy Gray ashy
	<b>52</b>	3 5 1 8 8	5 3 0	Brown yellow clay Yellow clay, gritty Gray ashy
6 <b>.</b>	53	3 5 7 9 11 13	10	Yellow-Brown clay " ", gritty Brown ashy
	<u>.</u>	14 15 17	11 8 0 2 1	Red-gray ashy
<b>4</b> 3	<b>54</b>	3 6 7 8 <del>1</del> 9	11 5 5 9 13	Yellow gritty clay
	8.1	18 14 16 18 19 <del>1</del> 20	12 15 7 1 0	Gray dead ashy
	55	3	2	Abandoned account of water

d lade	Shaft Number	Depth (Feet)	colors to the Pan	Character of Ground and Remarks
iumber 30	56	3 7 10 12 14 16 16 18 20 21	5 0 10 7 30 Amalgam	Yellow gritty clay Red-brown clay Red-brown with lime Red-brown gritty Clay
13		24 25 <del>1</del>	0	
≎ಡ	<b>57</b>	5 7 9 11 13 15 19 <del>1</del>	10 5 2 7 0	Yallow grip olay  Brown ashy  Deal gray ashy
₹\$	<b>58</b>	3 5 7 9 10 131	10 9 4 0 3	red-yellow clay Gray elay Brown slay Brown sahy Gray sahy Bould wrs
5 <b>4</b>	59	11/2 3 61/2 9	7 7 2 0	Top soil Gray elay Dead gray
	<b>60</b>	2 8 104 154	15 9 11 2	Top soil Yellow gritty clay Brown gray with lime Gray ashy
7 <b>3</b> 1	61	2 5 7 9	5 3 2 5 3 2	Top soil  Brown-yellow grip clay  Yellow grip clay  Red-brown grit clay  Yellow gritty clay

The LE	haft	Depth (Fest)	Colors to the Psn	Character of Ground and Remarks
<b>3</b> 6	61	14 16 17 20 23 25	7 2 1 0 0	Yellow gritty clay Yellow-red clay with lime Red slay, gritty Boulder formation
	62	2 <b>4</b> 5 6	1 11 Am <b>elga</b> m 12	Top soil Yellow-brown clay gritty """, closed account of water.
57	63	5 8 <del>1</del> 9 11 12	6 0 2 4 2	Top soil Red-gray gritty clay Red-brown gritty clay Yellow clay Red-brown gritty clay
58		14 16 16 19 20	Amalgam O O	Red-yellew gritty clay Red-brown gritty clay Red-brown slay with lime Red-brown gritty
<b>୧</b> ୫	64	2 3 5 7 8	15 Amalgam 4 4 30	Top soil Gray-yellow gritty olay Yellow clay gritty Yellow gritty clay
<b>3</b> 0	÷ ÷	10 12 14 16 19 <del>1</del>	5 4 4 3 0	Red gritty clay Brown gritty clay Red-brown gritty clay Brown with lime Boulder formation
<b>2</b> 8	6.5	2 5 6 <del>1</del> 8 9 12	10 5 0 0 0	Clay Red slay Boulder formation Ashy brown boulder formation

go GL)	haft wider		Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
14 10 17 20 20 25	61	66	2 3 5 6 10 12	10 10 1 0 0	Top soil Gray-brown gritty clay Red-brown ashy clay Brown ashy gritty clay Ashy brown material Ashy gray material
8 <b>4</b> <b>5</b>	S8	67	2 4 5 7	15 5 Amelgem 4	Yellow gravel Yellow dlay Gray clay gritty Yellow clay gritty
ਨੇ ਹ 6 9	Ĉô	-	10 11 122 14	0 0	Brown clay Brown to red clay Boulder saby
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	بيكري :	<b>6</b> 8	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	45522466575510	Yellow gritty clay Red gritty chay Red to yellow gritty clay Red to brown gritty clay Brown clay with lime Yellow-brown clay with lime Rouldery clay Boulder formation
STATE TATES	ି <b>ଌ</b> ୍	<b>69</b>	2 4 6 7 10 12 16 16	8 0 2 6 1 2 4 3	Top soil Gray alay Yellow-brown alay Red-brown gritty olay Yellow-brown alay Brown gritty with boulders
2 64		<b>7</b> 0	3 5 6 8 12	10 3 6 10 12	Soil Red-brown gritty clay Gray clay with lime Yellow-red gritty clay Red-brown clay.

Ina <b>ft</b> Reader <b>86</b>	Shaft Iunber	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
	70	14 161 181 21	3 1 0	Red-brown with lime Red to gray ashy Beulder fermation
¥G	71	2 5 4 5 8 9 11	15 6 4 4 7 5	Clay and soil Yellow-brown clay Gray clay Brown clay Brown clay gritty Brown clay loose material Boulder formation
88	72	2 4 6 8 10 12 <del>1</del>	21 12 13 23 10 0	Red to gray clay Yellow clay Yellow-brown clay Red-brown clay Gray-brown clay Boulder formation
	73	2 4 6 8 10 12 13	14 7 10 8 23 28	Top soil Yellow clay Yellow perphyry clay
<del>일</del> ð		18 20 <del>1</del> 22 24	5 4 0 0	Red-brown gritty clay  Boulder formation
	74	2 31 5	4 6 1 4	Red gritty clay Yellow gritty clay Yellow clay Brown gritty clay
্য	<b>でき</b>	11 15 15 17 19 25 25 28 31	1 4 4	Yellow-brown gritty clay Brown ashy Brown ashy Yellow-brown clay Boulder formation

rgoű (Re			Depth (Feet)	Colors to the Pan	Character of Ground and Remarks
<u>.</u> (	) v (	75	1 <del>1</del> 5	3 Amalgam	Top soil Closed account of water
<u> </u>	72.	76	2 4 6 8 10 12	15 6 8 6 25 12	Top soil Yellow clay Red clay gritty Yellow perphyry clay
k.	8. L		14 16 18 20 22 24 26	2 3 4 3 5 6 3	Red-brown with lime  Yellow-perphyry clay  """  """  """  Brown-red with boulders
Ĺ	<b>5</b> 7: ¹ <b>1</b>		28 30 32	37 2 0	Brown to ashy clay Red-brown ashy Boulder formation
r	₹	77	<b>2</b> <b>4</b> <b>6</b> 8	10 10 8 10	Top soil Yellow clay Red-yellow clay Red-brown clay
			10½ 13 15 17	3 5 4 1	Red gritty clay Brown clay with lime Red-brown clay
् । इ.स.	<u> </u>	## ###	19 <b>21</b> 22 25	3 14 47 38	Red-gray gritty clay Brown to gray ashy Red-brown ashy material
			27 <del>1</del> 28	0	Dead ashy material Boulder formation
		78	2 4 6 7	7 2 2	Red-gray gritty clay Yellow clay Red-brown clay Boulder formation
4 S 52 2 8		79	2 6 9 11 14 15	31 20 16 12 6 4	Tep soil Brown gritty clay Red gravelly clay " wash Red-yellow gritty clay Gray ashy

Atged:	jlæn reamm	haft umber	Depth (Feet)	Colors to the Pan	Character of Ground and Rema
έΙ	37	79	16	6, 6. 7	Red gritty clay
\$			18 20	0 #	Yellow clay with lime Red-brown ashy material
-			22		Yellow-brown porphyry
្ន	76		24	16 6 3	Yellow-brown gritty material
<u>s</u>		21.3	26	3	Bould ers
è		55 S.	26	2	Boulder formation
8 01			27	0	
12		80	2	Amalgam	Top soil
A.I	ŀ	•	41	0	Yellew clay
16				5	Brown gritty clay
18			6 8	5 <b>3</b>	The second se
08			11	13	Yellow gritty clay
22 24	l l		12	15	Brown gritty clay
88			14	8	Red-brown gritty clay
83			15	15 8 5 7	cate in the second seco
30			17	10	Ream orfete alan
88			18 21	10 <b>6</b>	Brown gritty clay Brown to yellow clay
			23	8	Red to yellow clay
3	7.7		25	8 8 8	N N N
4 6		e C	25	8	Abandoned account of water
8		81	•	۵	Con Cot 1
10%		07	2. A	9	Top soil rown clay
13			2 4 5	6 4 6 0	Red-yellow gritty clay
2.5			8	4	THE STATE OF THE PARTY OF THE P
17			10 <del>1</del>	6	Brown gritty clay
67			13	Ó	Boulders
23 28			183	0	Boulder formation
1 6G		AP	3	54	Top soil
276		82	3 5	54 8	Yellow clay
ਰ3			71	21	Yellow-brown gritty clay
,	ુ જ		9~	16	Yellow porphyry clay
<u> </u>	೦		11	15	Red-brown gritty clay
<b>\$</b> 6			132	9	Bluish clay
ूं <b>४</b>			16 18	9 3 5	Gray to brown clay
'â <b>*</b>			IA	יסי אר	
3	64		20 21	16	Top of boulders
4.			22 22	<b>3</b> 0	Boulder formation
ð		80	7	₩	
6			4		
i.			#+		
\$ <u>{</u>			<u></u>		
81					

Depth (Feet)	haft umber	Sheft Number	Depth (Feet)	Colors to the Pan	Character of Ground and remarks
16 16 20 20 22 24	87	85	2 5 7 9	3 7 0	Top soil Red gritty clay Boulder formation
8 \$∂3 \$3 \$3	08	84	2 4 6	6 12 7 12-	Red gritty material Red-brown clay n Dry ashy material
42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		<b>85</b>	10 2 2 4 8 <del>1</del>	0 12 10 2 0	Boulder fermation  Top seil  Clay with lime  Boulder formation for 4 feet
14 15 17 18 18 21		86	2 4 6 8	0 4 2 0	Top soil Ashy material Boulder formation
88 88 83 8	81	87 87 93	2 2 5 <del>1</del>	0	Gray clay top soil Brown clay with lime Red to brown material
185. 185. 185. 185. 185.		<b>88</b>	2 6 8 10 12 <del>1</del>	7 14 2 0 0	Top seil Brown clay Red-brown clay Red-brown sahy material Boulder bed rock on serpentine
88 88 88 88 88 88 88 88 88 88 88 88 88	<b>38</b>	89	2 4 6 8 10	12 7 3 12 3	Top soil Greenish clay Serpentine wash Brownwash Yellow-brown clay
135 16 18 20 21 21			12 14 16 17 ½	4 14 2 0	Serpentine with gray clay Greenish serpentine wash Serpentine bed rock
<b>3</b> 23 -		90	2 4 6 8	7 10 5 5	Tep seil, black Black silt erpentine wash Black silt and serpentine wash

1 <b>99</b> 7	Shots Number	Shaft Number	Depth (Feet)	Colers to the Pan	Character of Ground and Remarks
	\$ <b>8</b>	90	10 12 12	7 1 3	Serpentine gravel wash
?			14	- 3	Grayel wash
š	48		15 15 <del>1</del>	14 2	
4			16	4	The state of the s
<b>ં</b>		97	174	2.2	
9 ] [			18	2	White clay with wash gravel Crushed serpentine bed rock
2 2	ĜÜ	91	# <b>4</b>	1 <b>1</b>	General sample of dump
		92	13 <del>1</del>	0	
<b>4</b> 6		96 Wej	3,448; <b>162</b>	<b>O</b>	Down to 13% ft. old wash, shale, slate, schist and crushed
3	<b>ට</b>		19	0	quarts boulders.
∆ ∳	00		22	ŏ	Dry boulder wash
ð			25	Õ	
8	ris en		29 <b>32</b>	0	Serpentine bed rock Solid serpentine bed rock
2 4	87	98	Dump	3	Top-soil and the second of the second
č			M	ŏ	Greenish to yellow clay
, <del></del>			#	2	Red gritty material
3	ර	a mark	97	0	Greenish material
4		100	A Design	Ţ	Yellow to brown material
6 8 0.1			TI.	4 4 4	Logan reports 15 ft. deep value 25¢ per cubic yard.
î		94	Dump	5	Top soil
			# -	4	Yellow clay material
S	€8		**	4	Gray gritty clay
4 0			**	0	Yellow wash clay
8			••	0	White clay no grits
o Si Si					Logan reports shaft 20 ft. deep value 25¢ per cubic yard.
14		95	Dump	8	Top soil
91			₩	4	Gray serpentine clay
17			Ħ	6	Brown-gray gravel
e	୍ଷ		***	3	Greenish serpentine wash
\$ 4	ાલ			1	Serpentine bed reck
0					Logan reports shaft 31 ft. deep value 8 to 10 cents per c.y.
В					Aware o so to cones het G'A'
E .					

frai?	Shaft Number	Depth (Feet)	Colors to the Pan	Character of Ground and Remarks				
Number	96	Dump	2	Top soil				
<b>o</b> e		**	3	Serpentine wash with clay				
		**	2	17 10 11				
		71 91	1	97 97 97 97 98 98 97 97				
		37	0					
				Logan reports shaft 19 ft. deep values fair.				
		**************************************		Ome				
	97	Dump	22	Green clay top soil				
			19 23	Serpentine wash gravel Gray gravel wash				
	7	11	18	Greenish clay wash				
16	-		29	Serpentine clay wash				
TA	4			Logan reports 19 ft. deep, value				
83	÷	1   p   2		probably 50¢ per c.y.				
	98	Dump	2 0	Top soil Gray wash fine Logan reports 9 ft. deep, boulder formation, poor values.				
	99	Dump	2	Top soil				
		n mp	2	Gray gritty wash				
<b>8</b> 6				Legan reports shaft 6 ft. deep on boulder formation, poor prospect.				
	100	Dump	-5	Top soil				
		W	3 4	Serpentine wash gravel				
	* . *	17	4	- 11 H - 11				
	: :	#	3 1	H H H				
\$Q	ia d	<b>#</b>	1	π π π				
	e de la companya de l	# 7 4	ta	Logan reports 12 ft. deep on serpentine bed rock, poor prospect.				

 $\vec{\mathbf{G}}Q$ 

## PROSPECTING RECORD

LOGAN PLACER

WALDO - OREGON **1916**.

t %	Total Dopth	Pa <b>y</b> D <b>ept</b> h	Average Numbers Colors Per Pan	Value Cu. Yd. by Pan Tests in Cents	Value Cu. Yd.b Sluiging in Cents		Value by Colored to the Section 1996	by r Pan Test	Final Value t per cu.yd. in Cents	Prod Dept tim Valu
	104	5	2 · · · · · · · · · · · · · · · · · · ·			4.86	.66	,	4.75	23.
21.5	114 %5 104 %40	0 6	8			19.44	.66		19.05	114.
* *	7	0 <b>10</b>	<b>5</b>	15	9.64			y page arms are	9.60	96.4
9 7 3	17	10	4 🖟	10 <del>1</del>		9.72	.33	7.35	9.52	95.
	12 %	0 5	0 3 2 °			4.86	66		4.75	23.
***	7	0	Q			2.43	.33	;	2.38	11.
·	8	5	11	19	33.91	13 🕻 10			33.91-	339 . :
	14 14	10 10	4	<b>4.</b> 0		9.72	.33		9.52	95.
	92	9	89			216.27	-67	Umit account	of high grade	0.5
4 17	9	9	4.5			9.72	.33 .33		9.52 9.52	85.6
	14	9 %	4			9.72 31.59	.32	22.40	30.00	85.6 270.6
•	20	18	13 9	32		21.87	.99		21.43	300.0
	15 3	14 9	9 1			21.01			5.00	45.0
,	27 19 3 21	Ó							5.00	30.0
	19	6 12 18							5.00	60.0
	3	12 12	19	18		29.16	.99	12.60	20.00	360.0
	16 16	15	2.8 2.8	96	35.00				35.00	525.0
	14	9	12 28 15	37½		36.45	.00			306.0
	8	4	4			9.72	.33		9.52	54.
			6. a		S. A.		ı			

Valu

by Colo

acto

.96

8.66

9.31

4.6

2.3

### PROSPECTING RECORD

LOGAN PLACER

WALDO - OREGON

1916

Value Value Value Cu. Yd. by Ave rage Numbers Cu. Yd.by Aver. Cu. Yd. by Pan Tests Sluiding Colors Shaft Total Pay Colors in in Per pan in Depth Number Depth Per Pan Cents Cents Cents 101 4.86 19.44 10 15 9.64 40201 10 101 9.72 0 4.86 10 2.43 10 11 19 33.91 12 10 9.72 13 89 216.27 14 9.72 15 16 9.72 20 18 13 32 31.59 17 15 21.87 18 19 27 80 12 21 18 22 21 18 29.16 12 23 16 15 28 96 35.00 24 15 375 36.45 25 9.72

Shaft Dept Number (Fe

96

45

88

66

	Shaft No.	Total Depth		Colors	Value Per c. y. by Pan Tests in Cents	Value Per c.y. by Sluicing in Cents	Projection & Fastors	Product Depth Times Value
	26	23 <del>1</del>	20	10	25 S	3.4	25	500
	27	22	21	-6	30		30	630
#2.ed8	28	25	20	Ť	9		13	260
	29	4	15	•	9 4		13	195
	30	17	5	. 5	6		10	50
	31	26	20	<b>.</b> 5	6		10	200
<u>.</u>	38	22	20	12	7		12	240
<b>3</b> 8	33	25	23	6	6		10	230
8	34	5		ned on acce			100	
		51		6	84	1.2	12	324
	36	17	12	5			10	120
ð	37	81	6				10	<u>60</u>
77	<b>78</b>	15	5	4	14	. 10	10	50
di San	39	281	12	5	2		10	180
ų.	40	23	15		1		10	150
ده پردې پارلو کې پارلو نو	41	17	30	8	7		10	<b>50</b> 0
ĨŢ	48	321	32	10	Y	10	10	<b>52</b> 0
3.£	45	.22	16	6	14		<b>8</b> 8	128
1.3 14	44	16	10	5 5	13		10	80
31	45	15	5	3 3	<b>3</b>		12	50 1 <b>9</b> 0
ŝĪ	46	12	10 23	<i>8</i>	61		10	230
17	47	25 25			ing na 🏥 ke na	6 . <b>5</b>	5	100
	49	17	17				10	170
Ž	50	22	20	9	<b>41</b> .	22	22	444
_	51	114	10	12	ai.	M	12	120
	52	8	6	1.2 4	8 <del>1</del> 21		8	48
	53	17	15	5	ã*		š	120
Σ, Φ	54	20	18	6	ä		ă	144
<b>5.</b> ₹ 6.₹	55	3 25 19 <del>1</del>		•	3		8	160
4.3	56	25	22	7	41		<b>8</b> 8	176
	57	194	12	8	5-2		10	120
	58	14"	12	5	31		10	120 56 168
	59	9	7	5	3		10 8	56
an zen dat	60	131	12	7	43	14	14	168
15¢ yer av pen. Kig. velues yav 12 ft.; V	59 60 61 62 63 64 65	25	22	3	1돌		14 5 8 5	110
values per 12 ft.: V	62	6	20	8	4		8	160 90
M နိမ္းသည်။ သီးများ	63	20 <del>1</del>	18	3	1출		5	90
	64	19	18	8	5		10	180 60
	65	12	6	7	4		10	60
	6 <b>6</b> 6 <b>7</b>	14 9 135 25 205 195 12 14 225 165	8	8 5 5 7 3 8 7 6 5 3 7	5		10 8 7 5	80
	67	14	18	5	3	<b>974</b>	8	96
	68	ZZ	20	<u>త</u>	z,	7	7	140
	69	15會	16	2	上在			80
	70	21 11	20 22 12 12 12 22 20 18 18 6 8 12 20 16 18	6	43 45 45 33 414 15 4 5 3 2 16 4		10 8	180 80
	71	7.7	70	6	7		•	00
	All .							

					14			
is yes	Fraid Off Thomas	72 73 74 75 76	12½ 24 31 3 32 28	12 20 26 26 30	15 12 4	12 101 3 31		15 12 8 8
600 900 44 700	88 70 80 90 00 18	77 78 79 60 61 82 83	27 27 25 18 <del>1</del> 22 9 <del>1</del>	26 6 26 26 12 22	12 8 10 7 6 16 5	4 9 3 <del>1</del> 3 <del>1</del> 15	18 6 <del>1</del> 18	18 8 12 61 62 18 10
00 00 171 21 181 181	22 88 88 88 88 88 88	84 58 VW	Shafts a ue per s	8 verage - ubis yar ubis yar	9 16% ft d for all d for dump	10 - 6 to 7 col shafts, 10kg s sluised, 1 yard for ent	2 <del>1</del> d	15 a
25 25 25 26 16 16 28 26 26 26 26 27 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	59 40 42 44 45 46	88 89 93 94 95 96 97	12½ 14 15 20 31 19	12 14 15 20 31 19	6 7 2 4 5 2 20	31 6 21 41 21 21 2		6 10 5 8 6 5
20 20 20 20 20 20 20 20 20 20 20 20 20 2	4. 74. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	Va)	lue per s obable va	mbie yer lue loga jak lant lantak gata kata gata kata lantak lantak	d 1840 ins	ing high gre lading high yard.		1900年 (1900年) 1900年 (1900年) 1900年 (1900年) 1900年(1900年)
60 0 000 000	63 63	,						

#### PIT SAMPLES

Number	Number of pans	Depth	Average Colors Per Pan	Average Weight in mg. Per Coler	value per s. y. in Cents	Product Depth Times Value
		Section 1	27 - K - 10 - 10 - 10 - 10 - 10 - 10 - 10	* 1 ** 1 **		
A	50	<b>3</b> 0	10	·11å	10늘	31.5
В	20	35	26	•04 £	1 <b>b</b> ~	385
Ø	10	26	40	•10 <del>[</del>	39	1014
D	10	26	20	.18	33 <del>1</del>	871
E	68	20	12	.25	24 <del>\delta</del>	490
F	10	20	14	•10	12 <del>}</del>	250

Average depth, 26 ft.; value 21-1/5¢ per cubic yard by pan test Ground probably contains not less than 26¢ per cubic yard. This pit has produced in gold \$99.808.29.

G 1 60 .03 19 mud balls in tail pile.

Note: 1 milligram equals .06 cents when gold \$19 per ounce By three measured tests 1 cu. yd. equals 150 pans, and o.64 cu. yd. solid equals 1 cu. yd. broken.

The dumps from shafts numbered 5, 11, 23, 35, 38, 42, 48, 50, 60, 68, 77, 80, and 82 were washed.

Values per cu. yd. for these shafts are as per clean-ups which in each case are much higher than panning tests.

Values per cu. yd. for other shafts are computed by projectionate and multiplying pan test results by the proportionate amount that the sluiding results ran over the pan test results for the clean-up shafts.

The difference between sluicing and panning results is due to the difficulty in theroughly washing heavy sticky clay in a gold pan, also most of the gold is extremely fine. The dumps that were sluiced were thoroughly disintegrated and washed in puddling boxes before going over the riffles.

#### RECAPITULATION:

Area south of pit averages 12 ft. deep, value 20¢ per c.y.

Area north of pit " 16 ft. " " 11¢ " "

Area north end of field averages 20 ft. deep, value 10¢ per c.y.

For acreage and yardage see map.

Only gold values figured in estimates, platinum not accounted for, which amounts to probably 1/30 to 1/40 of the gold contents.

# LOGAN'S PIT

Average Depth
Value per cubic yard
Acreage
Cubic Yards
Production
Approximate

28-1/3 ft. 22½¢ 9.903 acres 442,037 \$100,000.00 \$10,000 per acre

### VALUATION & YARDAGE

Losation	Average Depth	Value Per C.Y.	Acresge	Cubic Yards	Total Value	
South of pit	12 ft.	<b>2</b> 0¢	15	290,000	\$58,000.00	_
S.W. of pit	15 ft.	15¢	4	100,000	15,000.00	
N. E. of pit	30 ft.	10¢	3	150,000	15,000.00	
N. W. of pit	16 ft.	$10\frac{1}{2}$ ¢	20	500,000	52,500.00	
North end of field	18 ft.	10¢	10	260,000	26,000.00	
Proven Ground			52	1,300,000	\$166,500.00	

No estimate was made of the unprospected acreage which embraces some 2000 acres, 400 acres of which was located in 1916. Probably half of this total acreage is gold bearing but how much of it will pay to work is yet to be determined. We are now operating one Empire drill and will prospect as much acreage as possible during this season.

Respectfully,

L. A. Levensaler (Signed)

### AGREEMENT

THIS AGREEMENT Made this fifth day of April, A.D. 1916, between Jane Simmons and J. T. Logan, of Grants Pass, Oregon, parties of the first part, Optionors, and George M. Esterly, of Seattle, Washington, party of the second part, Optionee, WITNESSETH:

That the Optionors, in consideration of the sum of One Dollar to them in hand paid, the receipt whereof is hereby acknowledged, and of the covenants to be performed by the Optionee, grants to and confers upon the Optionee, his heirs and assigns, the exclusive right and option to purchase the following described mining property:

The N.W. of Section 10, consisting of about 160 acres

The S.W. of Section 14, consisting of about 160 acres

The N.E. of the N.E. of Sec. 22, con. of about 40 acres

The S.E. of S.W. of Sec. 15, consisting of about 40 acres

The N.E. of N.E. of Sec. 27, consisting of about 33 acres

The N.E. of N.E. of Sec. 27, consisting of about 80 acres

Lots 2, 3, 4 and 5 in Sec. 27, consisting of about 154 acres

The N.E. of N.W. of Sec. 27, consisting of about 19 acres

known as the Simmons' Home Place.

All in Township forty (40) south, Range eight (8) west of the Willamette Meridian, including all buildings and mining equipment and also all personal property, except such as Mrs. J. T. Logan or Mrs. Jane Simmons elect to reserve,

situated in the vicinity of Waldo, in Josephine County, Oregon.

The total consideration to be paid in case this option is exercised shall be Twenty-Thousand (\$20,000.) Dollars as herein below set forth, at The First National Bank of Southern Oregon.

On or before December 1, 1916, Twenty-thousand (\$20,000.) Dollars.

\*\* is understood that the Ontionee may make said narment

by certified check or bank draft, or by deposit to the credit of the Optionors in the above named bank.

On condition that said payment is made as above provided the Optionors agree to convey the property above described to the Optionee by a good and sufficient bargain and sale deed, conveying the same free from all liens, claims and encumbrances, save only the paramount title of the United States in cases where patent has not been issued.

The Optionee shall be let into possession of the above described property on the execution hereof for the purpose of prospecting, exploring and examining the same, in order that its value for mining purposes may be determined, such possession to be allowed during the life of this option.

In consideration of the granting of this option the Optionee agrees that as so on as practicable, and note later than November, 1916, he will commence examination of the above described property to be conducted at his expense to determine the value of said property. The Optionee shall have until the date when the payment above provided is to be made in which to make such final examination.

Upon notice by the Optionee to the Optionors that he intends to make the payment provided for in this agreement and take over said property said Optionors shall within thirty days from date of such notice furnish an abstract of title to be prepared at their expense, which abstract of title shall show a good marketable title to the above described property. In case the Optionee, after examining the abstract of title, points out any defect in the title the Optionors shall at their own expense promptly cure and remedy such defect.

It is agreed that the Optionors may continue their mining operations as heretofore conducted by them until the payment as above provided is made. In waste the Optionors do continue their mining operations for 1916 and 1917, commencing on or about October

1, 1916, in that event the proceeds resulting from said operations shall be applied as follows: There shall first be deducted from the gross proceeds recovered the actual cost of labor and supplies used or improvements made in the course of said mining operations. The balance in value remaining shall be deducted from the purchase price as herein specified— the said balance representing the depletion in the value of the optioned property due to said mining operations

In the event that prior to the first day of December, 1916, the Optionors do not do any mining on said property then and in that event the Optionee agrees to pay the actual cost of any improvements that are made in the way of flumes or equipment that is put on the property necessary to carry on their mining operations for the season of 1916 and 1917. After the Optionee has made the payment of the purchase price no further mining on the premises shall be done by the Optionors. The Optionee shall have access to all books and records of the Optionors relating to the amount and value of the proceeds extracted from the optioned ground and the cost of labor and supplies used in mining the same, and may be present at all cleanups and at the workings of the Optionors.

If the payment of the purchase price, amounting to Twenty Thousand (\$20,000.00) Dollars, is not made as above provided, all obligations of all the parties hereto under the terms of this option agreement shall, upon such failure, without any action or process of law on the part of either of the parties hereto, be terminated.

This option agreement shall enure to the benefit of and be binding upon the heirs, executors and assigns of the prospective parties hereto.

WITNESS our hands the day and year first hereinbefore written.

WITNESSES:

(Sgd) Mertie E. Revenaugh

(Sgd) Jane Simmons (Seal)

(Sgd) J T Logan (Seal)

THIS AGREEMENT Made this fifth day of April, A. D. 1916, betweem Jane Simons, C. D. Cameron, J. T. Logan and Rose L. Logan, of Josephine County, Oregon, parties of the first part, Optionors, and George M. Esterly, of Seattle, Washington, party of the second part, Optionee, WITNESSETH:

That the Optionors, in consideration of the sum of One Dollar to them in hand paid, the receipt whereof is hereby acknowledged, and of the covenants to be performed by the Optionee, grants to and confers upon the Optionee, his heirs and assigns, the exclusive right and option to purchase the following described mining property:

The southwest quarter  $(\frac{1}{4})$  of Section 10, consisting of about 160 acres.

The east half  $(\frac{1}{2})$  of S. E.  $\frac{1}{4}$  of Sec. 9, consisting of about 40 acres.

The east half  $(\frac{1}{2})$  of N. E.  $(\frac{1}{4})$  of Sec. 16, consisting of about 80 acres.

The west half  $(\frac{1}{2})$  of N. W.  $\frac{1}{4}$  of Sec. 15, consisting of about 40 acres.

The west half  $(\frac{1}{2})$  of S. W.  $\frac{1}{4}$  of Sec. 15, consisting of about 80 acres.

The N. E.  $\frac{1}{4}$  of S. W.  $\frac{1}{4}$ , of Sec. 15, consisting of about 40 acres.

The W.  $\frac{1}{2}$  of S. E.  $\frac{1}{4}$  of Sec. 15, consisting of about 80 acres.

The W.  $\frac{1}{2}$  of Sec. 22, consisting of about 320 acres

The W.  $\frac{1}{2}$  of the N. E.  $\frac{1}{4}$  of Sec. 22, consisting of about 80 acres.

The W.  $\frac{1}{2}$  of the S. E.  $\frac{1}{2}$  of Sec. 22, consisting of about 80 acres.

And a two-fifths interest in the following:

The east half  $(\frac{1}{2})$  of N. E.  $\frac{1}{4}$  of Sec. 21, consisting of about 80 acres.

\_\_\_\_ TO GUTES.

The N. E.  $\frac{1}{4}$  of the S. E.  $\frac{1}{4}$  of Sec. 21, consisting of about 40 acres.

All of the above property being situated in Township forty
(4) Range eight (8) west of the Willamette Meridian.

Also mining claims Lot A and Lot B situated in section 3, Twonship 41 south, Range eight (8) west of the Willamette Meridian.

Also including all ditches, water rights, pipe lines, mining equipment, buildings and personal property now belonging to the above described mining property,

situated in the vicinity of Waldo, in Josephine County, Oregon.

The total consideration to be paid in case this option is exercised shall be One Hundred and Twenty (\$120,000)Dollars as herein below set forth, at the First National Bank of Southern Oregon, Grants Pass, Oregon.

On or before December 1, 1916

\$120,000.00

It is understood the Optionee may make said payment by certified check or bank draft, or by deposit to the credit of the Optioners in the above named bank.

On condition that said payments are made as above provided the Optioners agree to convey the property above described to the Optionee by a good and sufficient bargain and sale deed, conveying the same free from all liens, claims and encumbrances, save only the paramount title of the United States in cases where patent has not been issued.

The Optionee shall be let into the possession of the above described property on the execution hereof for the purpose of prospecting, exploring and examining the same, in order that its value for mining purposes may be determined, such possession to be allowed during the life of this option.

In consideration of the granting of this option the Optionee agrees that as soon as practicable, and not later than

value of said property. The Optionee shall have until the date when the payment above provided is to be made in which to make such final examination.

Upon notice to the Optiones by the Optioners that he intends to make the payment provided for in this agreement and and take over said property said Optionors shall within thirty days from date of such notice furnish an abstract of title to be prepared at their expense, which abstract of title shall show a good marketable title to the above described property. In case the Optionee, after examining the abstract of title, points out any defect in the title the Optionors shall at their own expense promptly cure and remedy such defects.

It is agreed that the Optionors may continue their mining operations as heretofore conducted by the until the payment as above provided is made. In case the Optionors do continue their mining operations for 1916 and 1917, commencing on or about October 1, 1916, in that event the proceeds resulting from said operations shall be applied as follows: There shall first be deducted from the gross proceeds recovered the actual cost of labor and supplies used or improvements made in the course of said mining operations. The balance in value remaining shall be deducted from the purchase price as herein specified - the said balance representing the depletion in the value of the optioned property due to said mining operations.

In the event that prior to the first day of December, 1916, the Optioners do not do any mining on said property then and in that event the Optionee agrees to pay the actual cost of any improvements that are made in the way of flumes or equipment that is put on the property necessary to carry on mining operations for the season of 1916 and 1917. After the Optionee has made the payment of the purchase price no further mining on the premises shall be done by the Optioners.

If the payment of the purchase price, amounting to one Hundred and Twenty Thousand (\$120,000) Dollars, is not made as above provided, all obligations of all the parties hereto under the terms of this option agreement shall upon such failure, without any action or process of law on the part of either of the parties hereto, be terminated.

This option agreement shall enure to the benefit of and be binding upon the heirs, executors and assigns of the prospective parties hereto.

WITNESS our hands the day and year first hereinabove written.

WITNESSES:

(Signed) Jane Simmons (SEAL)

Mertie E. Revenaugh

" C. D. Cameron

S. O. Hooper

- J. T. Logan
- Rose L. Logan Optionors
  - George M. Esterly(SEAL)
    Optionee