

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

TAKILMA MINING CO.

H. D. Beasley of the Takilma Mining Co., has put a great deal of time and money into that enterprise with no returns as yet and indications are that if he doesn't get the dredge into successful operation soon they may run into financial difficulties. Beasley states that no real testing has been done on the ground which they plan to work.

Reported by H. D. Wolfe
December 1, 1947

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NATOMAS COMPANY FIELD LOG

#1 copy

Time of Pumping	Depth of				Meas. Core	No. of cores	Tot Est Mgs	Formation	Drilled below inches	
	Pipe	Pump'g	Core	Core						
Hrs. Min	Ft. In	Ft. In	Ft. In	Ft. In	1	2	3			
1 50	5 0	5 0	2 1	250				TA	Soil Mod G.	12
2 20	6 4	6 4	1 0	338				TA	Med. F. S.	11
3 0	7 7	7 7	1 1	325						12
3 25	9 0	9 0	0 10	300					Med. F. S.	18
7 15	10 6	10 6	1 5	400			2 3		Chaul. Y. M. B.R.	
	Below 9' 1"								B.R.	

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Depth 11'
 Soil 1'
 gravel 9'
 bedrock 10'
 water level 0'

Volume
 Calculated _____
 Measured _____
 Core _____

CREW
 Driller Ferguson
 Panner Winters

st. wt. Gold _____
 Gold 6 Mgs.
 Calculated Depth 10 Ft.

Date July 24, 1937
 Location Winn's River Oregon
 Hole No. R. 6

Time Log
 Moving _____
 Drilling _____
 Pulling _____
 Delays _____
 Total _____

Constant used @ 2003
 Value Per Cu. Yd. 32

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NATOMAS COMPANY FIELD LOG

#1
Cape

Time of pumping Hrs. Min	Depth of Pipe		Pump'g		Core		Meas. Core	No. of colors size			Tot Est Mgs	Formation	Drilled below inches
	Ft	In	Ft	In	Ft	In		1	2	3			
	4	0	4	1	2	2	350					Med. Gravel	11
	5	0	5	0	1	1	225				TS		11
	6	0	6	0	0	10	350					Med & Sm F Gravel	9
	7	0	7	0	0	10	200						10
	8	6	8	7	1	8	375				TS		14
	10	0	10	0	1	2	200					Coarse & Med	5
	11	6	11	7	1	3	250					Med Gravel	10
	13	0	13	1	1	3	250						9
	14	0	14	1	0	10	150				TS		7
	15	6	15	6	1	3	200					Med & Sm F Gravel	4
	17	0	17	0	1	5	200						5
	18	0	18	1	0	9	150						8
	19	0	19	2	0	9	150						10
	20	6	20	8	1	9	250					Med & Fg. Sm Sand	10
	22	0	22	0	1	3	200						
	23	0	23	1	1	2	225					Sand	4
	24	0	24	1	1	5	400					Med Sm Gravel	4
	25	0	25	1	1	3	175					Med Co Sm Sand	4
	26	0	26	1	1	3	225					Med Gravel	6
	27	0	27	0	1	1	200					Med Sm Coarse	7
	28	0	28	0	0	9	250					Med Gravel	4
	29	0	29	1	1	0	200						5
	30	0	30	1	1	0	150						7
	31	0	31	1	0	11	150					Med Sm Fg	6
	32	0	32	0	1	1	200						8
	33	6	33	7	1	1	200						9
	35	0	35	1	1	2	200						10
	36	6	36	7	1	7	250					Fine Gravel	
	38	0	38	1	1	7	250					Med Fine Gravel	16
	39	6	39	6	1	3	200					Med	8

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DEPTH		VOLUME		TIME LOG	
Soil	0	Calculated		Moving	
Gravel	109'-4"	Measured		Drilling	
Bedrock	0	Core		Pulling	
Water Level	20'-6"			Delays	
			CREW	Total	
Est. Wt. Gold		Driller	Zuguson		
Wt. Gold	10	Panner	Dorian		
		Mgs. RR		Constant Used @ 20¢	
	CALCULATED DEPTH 109 Ft.			Value Per cu. yd. 0.5	
		Date	July 9, 1937		
Location	Mississippis River	Hole No.	K-9		
	Oregon				

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NATOMAS COMPANY FIELD LOG

Time of pumping Hrs: Min	Depth of Pipe		Core Ft In	Meas. Core	No. of colors size			Tot Est Mgs	Formation	Drilled below inches
	Ft In	Pump'g Ft In			1	2	3			
	41	0	41	1	1	150			coarse gravel	6
	42	0	42	1	2	225			Med F. Sm clay	
	43	6	43	0	10	200			✓ ✓ ✓ ✓	
	44	6	44	0	8	150			✓ ✓ ✓ ✓	
	45	6	45	1	1	150			✓ ✓ ✓ ✓	6
	46	6	46	1	2	150			Med F. Sm S	9
	47	6	47	0	10	200			✓ ✓ ✓ ✓	9
	48	6	48	0	10	150			finer sand in	2
	49	6	49	1	2	150			Med F. Sm clay	8
	50	6	50	1	0	250			✓ ✓ ✓ ✓	
	51	6	51	1	0	200			✓ ✓ ✓ ✓	7
	53	0	53	0	11	200			Med F. Sm Clay	9
	54	0	54	0	9	125			✓ ✓ ✓ ✓	7
	55	0	55	0	10	150			✓ ✓ ✓ ✓	7
	56	0	56	0	10	225			Med F. Sm gravel	3
	57	0	57	1	0	300			Med F. Sm sand	5
	58	0	58	1	0	250			✓ ✓ ✓ ✓	6
	59	0	59	0	10	400			Med F. C. gravel	9
	60	0	60	1	1	350			✓ ✓ ✓ ✓	12
	61	0	61	0	9	100			Med F. Sm Gravel	7
	62	0	62	0	9	150			Med F. Sm Clay	7
	63	6	63	0	11	225			Med F. Sm Gravel	14
	65	0	65	1	6	250			✓ ✓ ✓ ✓	10
	66	0	66	0	10	300			Med F. Sm Clay	10
	67	6	67	1	5	350			✓ ✓ ✓ ✓	8
	69	0	69	1	6	350			Med F. Sm Clay	10
	70	6	70	1	2	250			✓ ✓ ✓ ✓	8
	72	0	72	1	4	250			Med F. Sm Clay	10
	73	0	73	1	0	250			✓ ✓ ✓ ✓	10
	73	10	74	0	10	250			Med. C. Gravel	10

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DEPTH	VOLUME	TIME LOG
Soil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
Wt. Gold	Mgs.	Constant Used
	CALCULATED DEPTH	Value Per cu. yd.
	Ft.	
	Date	
Location	Hole No.	K-9

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NATOMAS COMPANY FIELD LOG

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Time of Pumping Hrs. Min	Depth of Pipe		Core Ft. In	Meas. Core Ft. In	No. of colors Size			Tot Est Mgs	Formation	Drilled below inches
	Ft. In	Ft. In			1	2	3			
	75	0	75	1	1	250			Med & C. Gravel	10
	76	0	76	1	0	200			✓	10
	77	0	77	1	0	250			Med F. Sm. S.	8
	78	0	78	0	0	200			✓	
	79	0	79	0	1	6	200	TS	water	4
	80	0	80	1	1	0	300		✓	3
	81	0	81	1	0	7	175		Med & C. Sand	4
	82	0	82	1	0	8	100		Coarse Gravel	8
	83	0	83	2	0	10	175		Med & C.	11
	84	0	84	1	0	8	150		coarse gravel	9
	85	0	85	0	1	3	150		✓	9
	86	0	86	0	1	4	200		Med & F. Sm. S. Y.	13
	87	6	87	7	1	11	225		✓	13
	89	0	89	0	0	7	150		✓	9
	90	0	90	2	0	7	150		Med & F. Sm. Gravel	9
	91	0	91	2	0	4	175		✓	6
	92	6	92	6	1	11	150		Med F. S. Sm. Sand	15
	93	9	93	11	0	11	400		✓	8
	94	6	94	8	0	8	300	TS	✓	12
	95	2	95	1	0	9	100		✓	10
	95	6	95	6	0	8	125		Med Fine Gravel	13
	96	4	96	5	0	7	250		✓	14
	97	6	97	7	0	10	350		Coarse Gravel	17
	98	6	98	7	0	8	150	TS	Med. Co. Sm. Gravel	17
	100	0	100	1	1	5	225	TS	Large Co. Sm. S.	14
	101	0	101	0	1	6	250	TS	✓	14
	102	0	102	1	1	2	150	TS	✓	22
	103	9	104	3	1	8	250	4	Med & C. Sm. Clay	13
	105	0	105	1	0	9	150	8	water	10
	106	0	106	1	0	2	150	TS	✓	22

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DEPTH	VOLUME	TIME LOG
Soil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
Wt. Gold	Mgs.	Constant Used
	CALCULATED DEPTH	Value Per cu. yd.
	Ft.	
	Date	
Location	Hole No.	R-9

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NATOMAS COMPANY FIELD LOG

Time of pumping hrs. min	Depth of Pipe		Core Fu in	Meas. Core Fu in	No. of colors size			Tot Est Mgs	Formation	Drilled below inches
	Ft	In			1	2	3			
	107 6	167 7	0 3	150				75	C. Med. G. Sm. Clay	
	Below 1' 9"			150				10		✓
	109 4									✓
	Run out casing									

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DEPTH		VOLUME		TIME LOG	
Soil	Calculated		Moving		
Gravel	Measured		Drilling		
Bedrock	Core		Pulling		
Water Level		CREW	Delays		
		Driller	Total		
Est. Wt. Gold		Panner			
Wt. Gold	Mgs.		Constant Used		
	CALCULATED DEPTH	Ft.	Value Per cu. yd.		
	Date				
Location		Hole No.	K-9		

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NATOMAS COMPANY FIELD LOG

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Time of Pumping Hrs. Min.	Depth of				Meas. Core Ft. In.	No. of colors Size 1 2 3	Tot Est Mgs	Formation	Drilled below inches
	Pipe		Pump'g						
	Ft.	In.	Ft.	In.					
5 0	5	0	5	6	2 8	400		Med. Sn F Gravel	6
6 9	6	9	6	10	1 1	200	TS	✓ ✓ ✓	5
9 0	9	0	9	1	1 11	425		✓ ✓ ✓	10
10 6	10	6	10	6	1 9	250		✓ ✓ ✓	10
11 6	11	6	11	7	1 0	250	TS	Med Sn C. Gravel	6
12 6	12	6	12	7	1 1	525		Med x F Gravel	10
13 6	13	6	13	7	0 10	400		Med x C. Sn Gravel	11
15 0	15	0	15	0	1 8	250		Med x C. Sn F Gr	10
16 6	16	6	16	7	1 2	250		Med x H. Sn clay	11
18 0	18	0	18	0	1 0	200		✓ ✓ ✓	10
19 6	19	6	19	6	1 5	200		Med x G. H. Sn Gravel	5
20 6	20	6	20	7	0 10	200		Coarse G. Sand	6
22 0	22	0	22	1	1 4	350		✓ ✓ ✓	6
23 6	23	6	23	6	1 6	300		Med x G. H. Sn Gravel	4
25 0	25	0	25	0	1 6	300		✓ ✓ ✓	5
26 6	26	6	26	6	1 2	400		✓ FG. ✓	5
27 6	27	6	27	7	1 1	250		✓ ✓ ✓	12
29 0	29	0	29	1	1 6	350	TS	✓ ✓ Sn clay	8
30 6	30	6	30	7	1 4	300		✓ ✓ ✓	7
32 0	32	0	32	0	1 6	525		Med G. Sand	10
33 6	33	6	33	7	1 1	500		✓ ✓ ✓	10
35 0	35	0	35	0	1 4	200		✓ ✓ ✓	11
36 6	36	6	36	7	1 0	250		Med Sn F G	10
37 6	37	6	37	6	0 10	200		✓ ✓ ✓	8
38 6	38	6	38	8	0 7	200		✓ ✓ ✓	9
39 6	39	6	39	9	0 5	150		✓ ✓ ✓	
41 0	41	0	41	3	1 4	200		Med x G Sand	
42 6	42	6	42	7	1 1	200		✓ ✓ ✓	9
44 0	44	0	44	0	1 4	50		✓ ✓ ✓	8
45 6	45	6	45	7	0 11	200		✓ ✓ ✓	9

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Depth	Volume	Time Log
Soil 0'	Calculated	Moving
Gravel 10' 1"-8"	Measured	Drilling
Bedrock 0	Core	Pulling
Water Level	CREW	Delays
	Driller <i>Ferguson</i>	Total
Est. Wt. Gold	Panner <i>Althaus</i>	
Wt. Gold	Mgs.	Constant used @ 20%
Calculated Depth	H Ft.	Value Per Cu. Yd.
	Date <i>July 22, 1937</i>	
Location <i>Missis River</i>	Hole No. <i>K-8</i>	
<i>Oregon</i>		

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NATOMAS COMPANY FIELD LOG

#2
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Time of Pumping Hrs. Min	Depth of				Core Ft In	Meas. Core Ft In	No. of colors Size			Tot Est Mgs	Formation	Drilled below inches
	Pipe		Pump'g				1	2	3			
	Ft	In	Ft	In								
	47	0	47	1	1	3	200				Med + F. G.	7
	48	6	48	7	2	0	200				Med + F. G. Sm clay	8
	50	0	50	1	1	1	200				✓ ✓ ✓	8
	51	8	51	9	1	4	200				✓ ✓ ✓	11
	53	0	53	1	1	1	300				Med Sm FG	11
	54	6	54	6	1	6	225				Med FG Sandy clay	9
	56	0	56	1	1	6	250			Ts	✓ ✓ ✓	4
	57	0	57	1	1	3	175			Ts	Med + C. Gravel	8
	58	0	58	1	0	11	175	25		Ts	✓ ✓ ✓	12
	59	6	59	8	1	0	300			Ts	Med + F. G. Sm clay	
	61	0	61	0	1	5	150				✓ ✓ ✓	8
	62	6	62	8	1	3	250				Med Sm C. G.	9
	64	0	64	2	1	8	350			Ts	Med. S. Sand	4
	65	6	65	5	1	11	150				✓ ✓ ✓	10
	67	0	67	1	1	5	400			Ts	Med 36 Sm sand	9
	68	6	68	6	1	7	350				Fine S. Sand	6
	69	6	69	8	1	1	300				✓ ✓ ✓	8
	71	0	71	2	1	8	350				✓ ✓ ✓	8
	72	6	72	5	2	1	400				Med. F. Fine Gravel	
	73	6	73	5	2	3	325			Ts	Med + Fine "	5
	75	0	75	0	1	11	250				Med. F. Sm clay	10
	76	6	76	6	2	1	350				✓ ✓ ✓	5
	78	0	78	0	2	6	200				✓ ✓ ✓	
	79	0	79	0	1	9	350				✓ ✓ ✓	4
	80	0	80	1	1	9	250			Ts	✓ ✓ ✓	6
	81	0	81	1	1	9	250				Med. C. G. Sm clay	10
	82	6	82	10	1	6	200				Med. S. Sand clay	6
	83	6	83	7	1	5	175				✓ ✓ ✓	6
	84	6	84	6	1	3	200				✓ ✓ ✓	10
	85	6	85	9	0	10	225				✓ ✓ ✓	11

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Depth	Volume	Time Log
Soil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
Wt. Gold	Mgs.	Constant used
Calculated Depth	H Ft.	Value Per Cu. Yd.
Date	B	
Location	Hole No. 8.8	

State Department of Geology and Mineral Industries

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NATOMAS COMPANY FIELD LOG

3
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Time of Pumping Hrs. Min	Depth of Pipe Pump'g				Core		Meas. Core	No. of colors			Tot Est Mgs	Formation	Drilled below inches	
	Ft	In	Ft	In	Ft	In		Size						
								1	2	3				
	87	0	87	1	1	1	225					Med F. G. Sand	12	
	88	6	88	6	1	4	250					✓ ✓ ✓	10	
	90	0	90	3	1	7	300					✓ ✓ ✓	10	
	91	0	91	2	0	10	400					Water ✓	12	
	92	6	92	8	1	5	350					Med F. G. Sand	10	
	94	0	93	11	1	3	300					✓ ✓ ✓	6	
	95	6	95	6	2	5	350					Med Sm. C. G. Sand	6	
	96	6	96	6	1	4	200					✓ ✓ ✓	9	
	97	10	97	10	2	3	300					✓ ✓ ✓	6	
	98	0	98	0	0	4	200					To Boulder	15	
	99	0	99	0	0	9	200					✓	14	
	100	0	100	0	0	8	175					To coarse Sm. med G.		
	Below casing 1 1/2'							250					✓ ✓ ✓	

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Depth	Volume	Time Log
Soil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
Wt. Gold	Mgs.	Constant used
Calculated Depth	Ft.	Value Per Cu. Yd.
Date		
Location	Hole No.	

R. 8

State Department of Geology and Mineral Industries

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NATOMAS COMPANY FIELD LOG

#1
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Time of pumping	Depth of Pipe		Depth of Pump'g		Core	Meas. Core	No. of colors size			Pot Est Mgs	Formation	Drilled below inches	
	Hrs.	Min	Ft	In			Ft	In	1				2
12	50	3	0	3	1	1	1	200				Med. Gravel	15
1	25	5	0	5	1	2	0	450				Med. S. Sandy Clay	12
2	5	6	0	6	1	0	6	225				Med. & Coarse Gravel	7
2	25	6	10	7	1	0	7	300				✓ ✓ ✓	13
11 4	40	9	0	9	1	1	7	200				✓ ✓ ✓	10
8	0	11	0	11	1	1	0	250				Med. & Sm. Gravel	8
8	25	12	6	12	7	1	2	300				✓ ✓ ✓	7
8	45	13	6	13	9	0	8	400				✓ ✓ ✓ Sand	
9	25	15	0	15	0	0	10	250				✓ ✓ ✓	4
9	50	16	6	16	6	1	6	300				✓ ✓ ✓	6
10	05	18	0	18	1	1	10	250				✓ ✓ ✓	3
10	20	19	0	19	1	1	3	150				Med. Sm. Gravel	10
10	40	20	6	20	7	1	7	350				✓ ✓ ✓	11
11	0	22	0	22	1	1	1	300				Med. S. Clay	8
11	15	23	4	23	4	1	4	250				✓ ✓ ✓	6
11	35	24	6	24	6	1	3	250				Med. Fine Gravel	8
11	55	26	0	26	1	1	7	225				✓ ✓ ✓	9
1	5	27	0	27	1	1	2	200				Med. S. Sm. Sand	10
1	48	28	6	28	7	1	2	250				✓ ✓ ✓	8
2	0	30	0	30	1	1	7	200				✓ ✓ ✓	
2	15	31	6	31	7	1	9	225				✓ ✓ ✓	
2	30	33	0	33	1	1	8	200				✓ ✓ ✓	9
3	0	34	6	34	7	1	4	300				Med. Fine Gravel	7
3	20	36	0	36	1	1	10	300				Med. Gravel	7
3	40	37	6	37	7	1	4	300				✓ ✓ ✓	6
8	30	39	0	39	2	1	2	200				✓ ✓ ✓	6
11 3 1/2	25	40	6	40	7	1	0	200				Med. Sm. Gravel	6
9	40	42	0	42	1	1	2	200				✓ ✓ ✓	6
10	0	43	0	43	1	1	4	300				✓ ✓ ✓	6
10	20	44	0	44	2	1	3	300				✓ ✓ ✓	9

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DEPTH		VOLUME		TIME LOG	
Soil	0'	Calculated		Moving	
Gravel	10.5' - 9"	Measured		Drilling	
Bedrock	0	Core		Pulling	
Water Level	8'			Delays	
		CREW		Total	
Est. Wt. Gold		Driller	R. A. Ferguson		
Wt. Gold	3 1/2	Panner	R. E. Lorion		
		Mgs.	BR	Constant Used	Gold @ 2064
		CALCULATED DEPTH	106 Ft.	Value Per cu. yd.	0 =
		Date	July 16, 1937		
Location	Missis River	Hole No.	K-10		
	Oregon				

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NATOMAS COMPANY FIELD LOG

Time of Pumping		Depth of				Core		Meas. Core	No. of colors			Tot Est Mgs	Formation	Drilled Below inches
		Pipe		Pump'g					Size					
Hrs.	Min	Ft	In	Ft	In	Ft	In		1	2	3			
10	40	45	6	45	8	1	7	350					Med + F. S. Sand	7
11	5	47	0	47	1	1	3	275						9
11	30	48	6	48	7	1	10	250					Med + F. S. Sand	9
11	50	50	0	50	1	1	9	300						8
1	5	51	6	51	7	1	10	325						8
1	25	53	0	53	1	1	7	300						9
2	10	54	6	54	6	1	5	300						8
2	35	56	0	56	1	1	11	400						7
3	0	57	6	57	6	1	8	300					Med. Fine gravel	7
3	45	59	0	59	0	1	11	250						2
7	35	60	6	60	6	2	1	300					Med + Fin Course G.	5
8	20	62	0	62	2	1	8	400						10
8	50	63	0	63	1	0	9	225					Course + Med Gravel	9
9	15	64	0	64	1	0	7	200						9
9	50	65	6	65	6	1	6	350					Med. Gravel	9
10	15	67	0	67	1	1	6	400						9
10	40	68	6	68	6	1	7	350					Fine	9
11	0	69	6	69	7	1	2	350						10
11	40	71	0	71	0	1	7	350					Med + Fine Gravel	9
12	55	72	6	72	6	1	11	350						7
1	20	73	6	73	7	1	4	350						7
1	45	74	6	74	7	1	1	300						10
2	15	76	0	76	0	1	4	300						10
2	40	77	6	77	7	1	5	400						9
3	5	79	0	79	1	1	8	400						9
3	30	80	0	80	1	1	8	400						10
7	50	81	6	81	6	2	1	15						8
8	0	83	0	83	1	2	2	325					Med + F. S. Sand	8
8	10	84	6	84	7	0	1	150						8
8	25	85	6	85	8	0	9	100						2-1

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Boil	Calculated	Time Log
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level		Delays
	CREW	Total
Est. Wt. Gold	Driller	
Pt. Gold	Panner	
	Mgs.	Constant Used
	CALCULATED DEPTH	Value Per Cu. Yd.
	Ft.	
Date		
Location	Hole No.	K-10

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Portland, Oregon

NATOMAS COMPANY FIELD LOG

#3
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Time of pumping	Depth of Pipe		Core	Meas. Core	No. of colors size			Tot Est Mgs	Formation	Drilled below inches
	hrs.	min			ft/in	ft/in	ft/in			
8	45	87	0	87	4	1	2	150	water in hole Clay Sm. Sand	9
9	15	89	0	89	3	0	9	200	✓ ✓ ✓	12
10	5	90	0	90	0	1	0	250	Sand Sm. Coarse G.	6
10	45	91	0	91	0	1	7	300	✓ ✓ ✓ ✓ ✓	10
11	30	92	6	92	6	2	6	250	Med. & C. H. Sm. clay	10
1	0	94	0	94	6	1	6	550	To fine water in hole gravel sand	
1	15	95	6	95	6	0	8	300	✓ ✓ ✓ ✓	
1	30	96	6	96	6	0	8	100		
1	50	97	6	97	6	0	9	175	Med. F. Sm. C. G.	10
2	35	99	0	99	1	1	8	250	✓ ✓ ✓ ✓	9
3	10	100	0	100	0	1	2	150	✓ ✓ ✓ ✓	8
4	0	101	0	101	0	1	4	200	Coarse & med. gravel	
Culvert casing 3'5"								200	To ✓ ✓ ✓	
✓ ✓ ✓ 2'4"								175		
105'9"										

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DEPTH		VOLUME		TIME LOG	
Soil	Calculated		Moving		
Gravel	Measured		Drilling		
Bedrock	Core		Pulling		
Water Level		CREW	Delays		
		Driller	Total		
Est. Wt. Gold		Panner			
Wt. Gold	Meas.		Constant Used		
	CALCULATED DEPTH	Ft.	Value Per cu. yd.		
		Date			
Location		Hole No.	K-10		

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COPY
5/5/47

702 Woodlark Building
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Grants pass, Oreg., Oct. 1, 1900

Mr. Adam Hay Anderson
Apartado 866
Mexico, D. F.

My dear Sir:

As per your request, I submit the following report on the ground formerly known as the "Chinese Derrick Ground", situated about forty miles west of Grants Pass, Oregon, and about $1\frac{1}{2}$ miles from the town of Waldo; lying adjacent to the celebrated Simmons & Wymer Hydraulic Placer Property, which has been worked for nearly forty years and can be worked on a large scale for a much longer period.

The ground known as the "Sailor Diggings" or "Chinese Derrick" ground has been from its inception and is today the richest ground in Oregon, and for that matter, on the Pacific Coast. In the early '50s, 1851 and 1852, gold was discovered here by a party of sailors who deserted their vessel at Crescent City, and making their way inland sixty miles, found coarse gold in "Sailor Gulch" at the present town of Waldo. The news spreading, soon brought a rush of twenty or thirty men to the locality; thence they branched out in the Althouse, Scott's Gulch, Allen's Gulch and numerous small gulches in the vicinity, where the surface clear to the top of the hills adjacent to these draws and gulches paid a handsome return from the grass roots. But like all placer camps, as soon as the rich shallow dirt in the gulches was exhausted of the cream of its wealth, the camps were deserted for new Eldorados, yet today mining is carried on in a desultory fashion in the same gulches and

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and remunerating a few men for their labor.

At the foot of these gulches is a large flat or basin, quite deep and varying in width from one-fourth of a mile to several miles, through which flows the Illinois River. In a few places, notably the mouth of Sailor's Gulch, where the gold was first discovered and the richest of all the gulches, the surface was worked by excavating to a depth of 15 feet; but the ground being so flat and there being no dump for the tailings, it was never worked to any extent by white men and no one knew the values or even the depth of this ground until a Chinamen, named Wong Back Fong, leased the ground from one James Lyttle, the owner by location for a period of ninety-nine years. This was some ten years ago. By building a dam on the creek and constructing some ditches, he was enable to get water from his sluice boxes and Chinese wheels, of which he had built three; two to operate pumps and one for the derrick. He hired mostly Chinamen, occasionally white men and would generally commence operations about May 15th and be in active operation until about the middle of September, a period of four months, during which time the water in the Illinois river was at its lowest stage. This work, slow and laborious, was the crudest kind of placer mining; hoisting the dirt out of the pit with a derrick and dumping the same into sluice boxes fitted with ordinary pole riffles, which involved great loss in the tailings, as subsequent examination has shown. After nine years of operation his excavation was forty-one feet deep and from which was taken about 50,000 cubic yards. The heavy material was piled back in the hole and a large force of Chinamen were employed forking the

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remainder out of the boxes to keep it from choking the riffles, as the boxes were set on a grade of only two inches to twelve feet. On account of the limited power of the pumps, they were unable to raise from a greater depth than forty-one feet, consequently could not mine below this level. However they sunk a shaft fifty feet deep in the bottom of the excavation, which gave a total depth at this point of ninety-one feet. At this depth quick-sand was encountered and the shaft abandoned. There was an eye witness to the fact that this shaft penetrated exceedingly rich ground and from various strata, pans of dirt were taken, which would wash \$1.00 to the pan; but here again was a problem with which the Chinamen could not contend, working to this depth and getting rid of the tailings, so he contented himself with working the upper forty feet a short time every year during the dry season, and was in continual fear of having his ground jumped or lose it on some legal technicality. Chinamen were in disfavor throughout this part of Oregon and on several occasions some them had been run out of the country by mobs, when it was known that they were making wages out of placer ground. This Chinaman had had his sluice boxes robbed several times and was very wary about making known the richness of his ground. It is a well known fact that for two or three years he was in debt, not making enough while stripping the upper fifteen feet of ground overlying the rich gravel to pay the expenses of his numerous laborers and the cost of improvements, consisting of dams, flumes, ditches, Chinese wheels, derrick, etc. In the meanwhile, after he had sunk his shaft forty feet find rich pay below him and on the strength of which Wymer Beothers, who operated a store

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at Waldo, after making a survey and examination, backed him in his enterprise, so that in the spring of 1899, when the sale of this ground was consummated, the Chinaman's books showed an expenditure of \$59,000 for labor and supplies. What his profits were, no one can tell, but today he is a Banker in Hong Kong, doing a large business and reputed to be worth \$250,000, all of which he must have taken from this ground.

The bed rock is serpentine, cut by some porphyry dikes, schist and trap rock. The gravel below the first eleven feet is a medium size and composed of pebbles of diorite, chlorite, schist, clay etc., lying in beds or strata. The first stratum is about eleven feet thick, consists of wash from the Illinois River and contains gold to the value of about 10 cents per yard, which is sufficient to pay the expense of its removal. This overlies a stratum of reddish clay, well mixed with gravel, resulting from the decomposition of an iron bearing porphyry. The gold in this is medium size, being coarser than that lying below it. This stratum is two feet in thickness and has a value of \$2.75 per cubic yard. This rests on a rather heavy and compact clay, carrying a value of more than \$1.00 per cubic yard, but which is not counted on for value whatever, although it can be washed. Under this is a very rich stratum of the celebrated red gravel, containing gold to the value of \$16.03 per cubic yard, places in this gravel actually panning 75 cents per pan, or approximately \$75.00 per yard. The balance of the ground to the 41 foot level being clay intermixed with sufficient gravel to permit thorough disintegration during the process of washing and carrying a value of 27 cents per cubic yard.

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Below this is a fifty foot shaft, at the bottom of which, quick-sand was encountered precluding further sinking operations. Throughout its entire depth the shaft averaged \$1.00 per cubic yard and like the upper forty-one feet, the gravel was in numerous strata or pay streaks, some of which were exceedingly rich.

These results were obtained by an expert placer miner, a Cornishman of many years experience in sampling placer mines, and are verified by Mr. I. D. Hammond of the Hammond Manufacturing Company, who at one time offered to lease the ground of the English Canadian Company and pay \$5000.00 for this privilege, which was refused. A dredge was purchased of the Hammond Manufacturing Co. and placed upon the ground, but it proved to be too weak and in every way inadequate to handling the gravel, breaking down so often that it was impossible to run continually for forty-eight hours. As it was set up on the lower end of the claim on worked out ground, no values were obtained and the breaks in the machinery caused delays for repairs of from two to six weeks. This dredge was recommended by a man named J. S. Windell, who posed as a placer mining and dredge expert; but testimony in a trial, in September, 1900, in the case of J. S. Windell against the English Canadian Company, proved that the said J. S. Windell had been an assistant and book-keeper in a produce and commission house in Seattle, from which place he went to North Bred, British Columbia, and worked as a laborer and roustabout for four months on a dredge owned by the Beatty Gold Dredging Company, managed by Mr. Symmes. This dredge was of the dipper type, taking in sufficient material in the bed of the river.

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From this position he came to Waldo, on the recommendation of Mr. Harry White, an intimate friend of his, who vouched for him. A subsequent operation of the dredge showed his utter incapacity to manage it, as well as the inability of the dredge to dig even in the lightest material on the tailings ground. At this time I was employed by Mr. W. J. Harris to ascertain what the difficulty was and to examine and take charge of the property, he having in the meantime discharged, I saw at once that it would be an impossibility to dig with this machinery and suggested some improvements, which were carried out and were successful as far as they went, reducing by \$12.00 the daily running expense and permitting the digging of ground that could not be excavated before. Still the dredge could not be made strong enough with remodeling the entire hull and machinery; realizing this fact, I advised Mr. Harris to confine himself to shallow operations until he got in to the Chinese pit and there make a test run, if practicable, before the machine became a total wreck. This was done, although a great deal of time was consumed by stoppages for repairs, whilst skimming the top soil. The main shaft was twisted and the lower shaft on the diggin ladder was broken several times, also the end of the digging ladder breaking off caused a great deal of expense in delay. On getting into the excavation and pumping the water down with a pump on the dredge, it was discovered that the tailings piles in the pit prevented the turning of the boat, so that a small area only could be excavated. This was partly due to the fact that a point of clay extended out into the excavation from top to bottom and this had to be dug away before a face could be had to work to.

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Therefore the amount of gravel excavated was not a fair test as the part of the time was consumed in squaring off this obstruction to the boat, and also the material excavated carried the least value, only a small portion of the rich stratum being dug.

Two clean ups were made, the first from the upper eleven feet before lowering the water, the second from the thirty feet below this.

The accompanying table shows the value per cubic yard, the number of yards excavated and the number of hours run. The net result is 57½ cents per cubic yard, a splendid showing, even under these adverse circumstances and giving some idea of the immense richness of the ground.

With proper dredging machinery, which can easily be bought to handle 1,000 or more cubic yards per day, this ground can be made to pay handsomely in a short time and be a very bonanza for its owners. There are other ways by which this deep and rich deposit might be worked, namely, the hydraulic elevator system. Water could be obtained from a high ditch under 400 feet head, but it would have to be purchased from the ditch company. However, dredging is no experiment, as the handsome returns in New Zealand, on ground very poor compared with this, will show. There is in addition to this original claim of sixty acres, 180 acres adjacent which is nearly, if not quite, as rich. The deep channel runs through this and some of the surface ground has paid handsomely, with rockers.

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This is a valuable acquisition, making the property, when properly equipped, worth at the lowest estimate \$1,000,000.00 and one of the most valuable blocks of placer ground on the Pacific Coast.

Respectfully submitted,

Signed

Geo. M. Williams

Copy of report lent to St. Dept.
of Geol. by Howard Beasley of the
Takilma Min. Co. - May 2, 1917
#

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W.D.

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NATOMAS COMPANY FIELD LOG

Time of pumping	Depth of Pipe Pump'g		Core Core	Meas. Core	No. of colors size			Tot Est Mgs	Formation	Drilled below inches
	min	ft in			ft in	ft in	1			

B

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DEPTH		VOLUME		TIME LOG	
Soil		Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level			CREW	Delays	
		Driller		Total	
Est. Wt. Gold		Panner			
Wt. Gold		Mgs.		Constant Used	
	CALCULATED DEPTH	Ft.		Value Per cu. yd.	
		Date			
Location			Hole No.		

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NATOMAS COMPANY FIELD LOG

Time of pumping	Depth of Pipe		Pump'g		Core Core	Meas. Core	No. of colors			Tot Est	Formation	Drilled below inches
	Mins.	Min	Ft	In			Ft	In	1			

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DEPTH		VOLUME		TIME LOG	
Soil		Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level			CREW	Delays	
		Driller		Total	
		Panner			
Est. Wt. Gold		Mgs.		Constant Used	
Wt. Gold				Value Per cu. yd.	
	CALCULATED DEPTH		Ft.		
			Date		
Location				Hole No.	

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NATOMAS COMPANY FIELD LOG

Time of Pumping Hrs. Min	Depth of Pipe		Depth of Pump'g		Core		Meas. Core	No. of colors Size	Tot Est Mgs	Formation	Drilled Below inches
	Ft	In	Ft	In	Ft	In					
								- 1 2 3			

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DEPTH	VOLUME	Time Logg
Soil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
Wt. Gold	Mgs.	Constant Used
CALCULATED DEPTH	Ft.	Value Per Cu. Yd.
Location	Date	Hole No.

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NATOMAS COMPANY FIELD LOG

Time of		Depth of				Core		Meas.	No. of colors			Tot	Drilled
Sounding		Pipe		Pump'g		Core	Core	Size			Est		
Hrs.	Min	Ft	In	Ft	In			Ft	In	1		2	3

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B

G

DEPTH		VOLUME		Time Logg	
Level		Calculated		Moving	
Rock		Measured		Drilling	
Level		Core		Pulling	
			CREW	Delays	
		Driller		Total	
		Panner			
Wt. Gold		Mgs.		Constant Used	
Gold				Value Per Cu. Yd.	
	CALCULATED DEPTH		Ft.		
		Date			
ion			Hole No.		

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NATOMAS COMPANY FIELD LOG

Time of Logging hrs. Min	Depth of			Core		Meas. Core	No. of colors			Tot Est Mgs	Formation	Drilled Below inches
	Pipe Ft	Pump'g Ft	In	Ft	In		Size	1	2			

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DEPTH	VOLUME	Time Logg
Boil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
lb. Gold	Mgs.	Constant Used
	Ft.	Value Per Cu. Yd.
	CALCULATED DEPTH	
	Date	
Location		Hole No.

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NATOMAS COMPANY FIELD LOG

Time of Logging		Depth of				Core		Meas. Core	No. of colors			Tot Est Mgs	Formation	Drilled Below inches
Hrs.	Min	Pipe Ft	Pump's In	Ft	In	Ft	In		Size					
								-1-	2	3				

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DEPTH		VOLUME		Time Logg	
Boil		Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level			CREW	Delays	
		Driller		Total	
Est. Wt. Gold		Fanner			
\$. Gold		Mgs.		Constant Used	
	CALCULATED DEPTH	Ft.		Value Per Cu. Yd.	
	Date				
Location			Hole No.		

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NATOMAS COMPANY FIELD LOG

Time of drilling		Depth of Pipe			Core		Meas. Core	No. of colors Size			Tot Est Mgs	Formation	Drilled Below inches
Hrs.	Min	Ft	In	Ft	In	Ft		1	2	3			

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DEPTH		VOLUME		Time Logg	
Boil		Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level			CREW	Delays	
		Driller		Total	
Est. Wt. Gold		Fanner			
Wt. Gold		Mgs.		Constant Used	
	CALCULATED DEPTH		Ft.	Value Per Cu. Yd.	
	Date				
Location			Hole No.		

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NATOMAS COMPANY FIELD LOG

Time of pumping Hrs. Min.	Depth of Pipe Pump'g		Core		Meas. Core	No. of colors Size			Tot Est Formation Mgs	Drilled Below Inches
	Ft.	In	Ft	In		1	2	3		

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DEPTH		VOLUME		TIME LOG	
Soil	T	Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level		Crew		Delays	
Est. Wt. Gold		Driller		Total	
Wt. Gold		Panner			
		Mgs.		Constant Used	
	CALCULATED DEPTH		Ft.	Value Per Cu. Yd.	
		Date			
Location			Hole No.		

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NATOMAS COMPANY
FIELD LOG

Time of pumping hrs. Min.	Depth of		Meas. Core	No. of colors			Tot Est Formation Mgs	Drilled Below Inches
	Pipe Ft. In	Pump'g Ft. In		Core Ft In	Size	1		

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DEPTH		VOLUME		TIME LOG	
Soil	T	Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level		Crew		Delays	
Est. Wt. Gold		Driller		Total	
Wt. Gold		Panner			
CALCULATED DEPTH		Mgs.		Constant Used	
			Ft.	Value Per Cu. Yd.	
Location		Date		Hole No.	

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NATOMAS COMPANY FIELD LOG

Time of pumping hrs. Min.	Depth of Pipe Pump'g		Core Ft in	Meas. Core	No. of colors Size			Tot Est Formation Mgs	Drilled Below Inches
	Ft. In	Ft. In			1	2	3		

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DEPTH		VOLUME		TIME LOG	
Soil	T	Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level		Crew		Delays	
		Driller		Total	
Est. Wt. Gold		Panner			
Wt. Gold		Mgs.		Constant Used	
CALCULATED DEPTH		Vt.		Value Per Cu. Yd.	
Location		Date		Hole No.	

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NATOMAS COMPANY FIELD LOG

Time of Pumping Hrs. Min.	Depth of		Meas. Core	No. of colors			Tot Est Formation Mgs	Drilled Below Inches
	Pipe	Pump'g		Core	Size	1		
	Ft.	In	Ft	In				

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DEPTH		VOLUME		TIME LOG	
Soil	T	Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level		Crew		Delays	
		Driller		Total	
Est. Wt. Gold		Panner			
Wt. Gold		Mgs.		Constant Used	
CALCULATED DEPTH		Ft.		Value Per Cu. Yd.	
Location		Date		Hole No.	

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NATOMAS COMPANY FIELD LOG

Depth of		Meas.		No. of colors			Tot Est Formation Mgs	Drilled Below Inches
Pipe	Pump'g	Core	Core	Size				
Ft.	In	Ft.	In	1	2	3		

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DEPTH		VOLUME		TIME LOG	
	T	Calculated		Moving	
l		Measured		Drilling	
ok		Core		Pulling	
c Level		Crew		Delays	
		Driller		Total	
		Banner			
Wt. Gold					
Gold		Mgs.		Constant Used	
CALCULATED DEPTH			Ft.	Value Per Cu. Yd.	
	Date				
ation			Hole No.		

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NATOMAS COMPANY FIELD LOG

Time of pumping Hrs. Min.	Depth of Pipe Pump'g		Meas. Core	No. of colors Size			Tot Est Formation Mgs	Drilled Below Inches
	Ft. in	Ft. in		1	2	3		

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DEPTH		VOLUME		TIME LOG	
Soil	T	Calculated		Moving	
Gravel		Measured		Drilling	
Bedrock		Core		Pulling	
Water Level		Crew		Delays	
		Driller		Total	
Est. Wt. Gold		Panner			
Wt. Gold		Mgs.		Constant Used	
CALCULATED DEPTH			Ft.	Value per cu. yd.	
Location		Date		Hole No.	

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NATOMAS COMPANY FIELD LOG

#2
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Time of Pumping Hrs. Min.	Depth of Pipe		Depth of Pump'g		Depth of Core		Meas. Core	No. of colors			Tot Est Mgs	Formation	Drilled below inches
	Ft	In	Ft	In	Ft	In		Size					
								1	2	3			
	33	6	33	6	1	5	175			20	2	C. G.	11
	35	0	35	2	1	2	350			25	2	Med. C. F. G.	6
	36	0	36	1	1	0	200			40	4	✓ ✓	7
	37	0	37	0	1	1	200				15	Med. C. G.	6
	38	0	38	0	1	3	175				10	✓ ✓	3
	39	0	39	2	1	2	200				10	✓ ✓	7
	40	0	40	1	1	0	175				10	✓ ✓	9
	41	6	41	6	0	4	100					✓ ✓	5
	42	6	42	7	0	11	200					Med. C. F. S. G.	6
	43	6	43	8	0	10	200					✓ ✓ ✓	7
	44	6	44	7	0	10	200			7	1	✓ ✓	6
	45	6	45	7	1	8	125			8	1	Med. C. F. G.	11
	47	0	47	1	1	4	150			15	1	✓ ✓	
	48	0	48	1	1	0	225			25	2	Med. F. S. Sand Clay	6
	49	0	49	1	0	11	150				10	✓ ✓	6
	50	0	50	1	1	0	150				10	Med. C. G.	6
	51	0	51	1	1	1	150				10	✓ ✓	6
	52	0	52	1	1	0	175			20	2	✓ ✓	7
	53	0	53	0	1	3	200			20	1	Haul Sm BR	
			1'4" (down)				200					BR	

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Depth	Volume	Time Log
Soil	Calculated	Moving
Gravel	Measured	Drilling
Bedrock	Core	Pulling
Water Level	CREW	Delays
	Driller	Total
Est. Wt. Gold	Panner	
Wt. Gold	Mgs.	Constant used
Calculated Depth	Ft.	Value Per Cu. Yd.
Date		
Location	Hole No.	K.7

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NATOMAS COMPANY FIELD LOG

#1
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Time of Pumping Hrs. Min	Depth of				Meas. Core Ft In	No. of colors Size 1 2 3	Tot Est Mgs	Formation	Drilled below inches
	Pipe		Pump'g						
	Ft	In	Ft	In					
	1	6	1	7	1 2	150		Coarse Gravel	3
	3	0	3	0	0 9	100		✓ ✓	
	4	0	4	1	0 8	175		✓ ✓	9
	5	0	5	0	0 10	200	TS	✓ ✓	11
	6	0	6	2	1 4	175		Med. f.c. ✓	4
	6	8	6	8	0 9	150		✓ ✓ ✓	4
	8	0	8	0	0 7	200		Med. f.c. Sm. clay	
	9	0	9	0	0 11	100		Med. f.c.	8
	10	0	10	1	0 9	300		Med. c. Sm. f.g.	9
	11	0	11	1	0 11	250		✓ ✓ ✓	3
	12	0	12	0	0 11	250	4	✓ ✓ ✓	1
	13	0	13	1	1 1	250	TS	Med. f.g. Sm. Sand	
	14	0	14	2	0 9	250	8	✓	
	15	6	15	6	0 10	125		Coarse Gravel	
	16	6	16	6	1 2	175		✓ ✓	2
	17	6	17	7	1 2	200		✓ ✓	3
	18	4	18	5	1 0	175		✓ ✓ ✓	6
	19	6	19	8	1 8	350	TS	Med. c. Sm. Sand	9
	20	6	20	7	0 10	250		✓ ✓ ✓	14
	22	0	22	1	1 3	300		Med. c. Sm. Clay	2
	23	0	23	1	0 8	150		✓ ✓ ✓	2
	24	0	24	1	0 7	150		✓ ✓ ✓	9
	25	0	25	1	0 8	200		✓ ✓ ✓	10
	26	0	26	1	0 10	200		Med. r.c. c.	8
	27	0	27	0	0 10	150		✓ ✓	10
	28	0	28	1	0 10	150	TS	✓ ✓	8
	29	0	29	2	0 11	350	TS	Med. r.c. H. Sand clay	5
	30	0	30	1	1 8	200	TS	✓	5
	31	6	31	7	0 8	200	TS	Med. r.c. c.	
	32	0	32	0	0 11	125	TS	✓ ✓	6

CONFIDENTIAL

Depth	Volume	Time Log
Soil 0	Calculated	Moving
Gravel 53'	Measured	Drilling
Bedrock 53'	Core	Pulling
Water Level 10'	CREW	Delays
	Driller <i>J. J. Quinn</i>	Total
	Panner <i>A. B. Sims</i>	
Est. Wt. Gold		Constant used @ 2067
Wt. Gold 25 1/2 Mgs.		Value Per Cu. Yd. 2 1/2
Calculated Depth 53 Ft.		
Date June 24, 1937		
Location <i>Missis River</i> Hole No. <i>K. 7</i>		
<i>Oregon</i>		