

Morphees Leases.

James Hurtt Morphees

Application No 14

dated 20 Oct: 1898

440 acres

Cloucurry

Copper.

Rent £20

Survey £8.

Commencing at a marked peg near the head of a creek about 5 miles from - running into Limestone Creek at a point about 3 miles E of Limestone Hut and about 20 miles South West of the Dip Top Camp Thence 25 Chains South Thence 16 Chains East Thence 25 Chains North Thence 16 Chains to point of commencement.

6 months total exemption granted 25.11.98

to " " " " " 24.5.99

Application No 23

dated 3rd Feb. 1899

(sgd) J. H. Mophead

by his Attorney W. S. Willmott

40 acres

Clouerny

Coppu.

To the North of the Application No 14

Commencing at the N. W. Corner of same Thence

along the Northern boundary of said N. W. app.

Thence North 25 chains Thence West about 16 chains

Thence South 25 chains to the point of commencement

Rent £20 Survey £8

6 months total exemption granted 14. 3. 99

Grounds Arrangements are being made for working
may commence before end of term

Application No. 24

dated 8th Feb. 1899

(of) J. H. Mophett

by his attorney W. S. Willmott

40 acres

Commencing at a peg about 20 chains in a southerly direction from the junction of Sandy Creek with the Florence river going in a northerly direction 25 chains thence westerly 16 chains thence southerly 25 chains thence easterly 16 chains to point of Commencement.

6 months total exemption granted at 3.99 p^{er} acre. Arrangements are now being made to work the ground.

Pioneer Tin Mine.

Taking metal Tin @ £ 140 per Ton

" Stream Tin as containing 70% metal Tin

1 lb Stream Tin is worth $10\frac{1}{2}$ ²

$1\frac{1}{2}$ lb " " " $12\frac{1}{2}$ ²

Adopting this as the limit of good paying wash per cubic yard. What does it represent in drachms of Tin per lb of wash

Weight of wash = 130 lbs per cubic ft (wet)

\therefore 1 Cub. yard = $130 \times 27 = 3510$ lbs weight

1 lb = 256 drachms

$1\frac{1}{2}$ lb = 307 "

$$\frac{307}{3510} = .084 \text{ of a drachm which}$$

x by 12 = 1.008.

Therefore to reach the limit the wash must carry 1 drachm per 12 lbs of wash or $\frac{1}{12}$ of a drachm per lb of wash

or 2.275 grains Troy per lb of wash

as 1 drachm = 27.3 grains Troy

Pioneer Tin Mine. Tasmania

Particulars of bores put down by W. Wilson

Test bore in bottom of excavation.

Date	Depth <small>feet</small>	Weight of core <small>lbs</small>	Contents of core		
			<small>oz.</small>	<small>dwt. grs.</small>	
July 12 th /99	1' to 2'	5 $\frac{1}{2}$		12	
	2' - 4'	7		4	
	4' - 6'	4 $\frac{1}{2}$	2	0	
	6' - 8'	6 $\frac{1}{2}$	1	5	
	8' - 10'	10 $\frac{1}{4}$	4	13	
	10' - 12"	10 $\frac{1}{2}$	3	10	
	12' - 14'	9 $\frac{1}{2}$	2	5	
	14' - 16'	15	1	2	
	16' - 18'	8 $\frac{1}{2}$	2	8	
	18' - 20'	10 $\frac{1}{2}$	1	11	
" 13/99	20' - 22' 6"	8 $\frac{1}{2}$	1	7	
	Cleanings	30	9	0	
		126 $\frac{1}{4}$ lbs	1	9	5
	fraction of Tin per lb. of wash = 5.51				

No. 1 Bore

Date	Depth feet	Weight of core lbs	Contents of core oz. dust. gas	Strata crossed ft.
July 11 th /99	2' to 4'	15		Sand 3
	4' " 6'	11	2	Hard sand 4
	6' " 8'	12 not weighed	12	
" 12/99	8' " 10'	27 $\frac{1}{2}$	15	Coarse sand 23'
	10' " 12'	22 $\frac{1}{2}$	18	
	12' " 14'	20 $\frac{1}{2}$	15	
	14' " 16'	15 $\frac{1}{2}$	3	
	16' " 18'	15 $\frac{1}{2}$	2	
	18' " 20'	16	9	
	20' " 22'	11	6	
	22' " 24'	10	13	
	24' " 26'	10	1 - 4	
" 13/99	26' " 28'	14	19	
	28' " 30'	10 $\frac{1}{2}$	5 - 16	Fine sand 13'
	30' " 32'	11	22	
	32' " 34'	10	17 $\frac{1}{2}$	
" 14/99	34' " 36'	13	1 - 18	
	36' " 38'	19	3 - 18	
	38' " 40'	11	12	
	40' " 42'	4 $\frac{1}{2}$	1 - 12	
" 15/99	42' " 44'	11	1 - 15 $\frac{1}{2}$	Clay 1'
	44' " 46'	12	11	Sand 5'
17/99	46' " 48'	no sample		
		290	1 - 2 - 20	

No. 1 Core Continued

Date	Depth	Weight of Core <small>lbs</small>	Contents of Core <small>ogs. det. gms</small>	Notes Crossed
Brought Forward.		290	1 - 2 - 20	Plug 2'
	48' to 50'	24	1 - 12 1/2	Fine sand 8'
	50' " 52'	16	3 - 21	
	52' " 54'	9 1/2	2 - 3	
	54' - 56'	10 1/2	2 - 0	
	56' - 58'	6 1/2	1 - 18 1/2	
	58' - 60'	5	22	Coarse sand 1'
" 18/99	60' - 62'	6 1/2	19	Fine sand 8'
	62' - 64'	7	1 - 3	
	64' - 66'	6 1/2	18	
	66' - 68'	10	12 - 9	
	68' - 73	nil		Plug 5'
" 19/99	73' - 74'	14	8 - 5 1/2	
	74' - 76'	6 1/2	2 - 23	Sand 4'
	76' - 78'	8	2 - 8	
	78' - 80	13	1 - 7	Plug 5'
	80' - 82'	no sample	8 - 24	
	82' - 84'	10	3 - 11 1/2 8 - 24	Coarse sand 3'
" 20/99	84' - 86'	12	2 - 20 1/2	Plug 1
	86' - 88'	5	2 - 14 1/2	Fine sand 1 - 9 Gravel 3 - Granite 9'
		⁴⁷³ <u>461</u>	<u>3 - 13 - 20</u>	

Weight of Fin in grains per 12 lbs of wash. 44.95

Value per Cub: yard in place 20.5

1.95 lbs per cu ft

No. 2 bore

Date	Depth <small>ft</small>	Weight of Core <small>lbs</small>	Contents in core		Strata Crossed	
			<small>oz.</small>	<small>det. ges</small>		
July 14 ¹ /99	1' to 2'	10		5	Sand 4'	
	2' - 4'	10		12 1/2		
	4' - 6'	14	1	1	Hard sand 3'	
	6' - 8'	15 1/2		16		
	8' - 10'	17		10 1/2	Coarse sand 5'	
	10' - 12'	10	1	18 1/2		
" 15/99	12' - 14'	11		13 1/2	Clay 1' 6"	
	14' - 16'	11	1	16	Sand 16' 6"	
	16' - 18'	22	2	76		
" 16/99	18' - 20'	13	1	14		
	20' - 22'	8 1/2		17 1/2		
	22' - 24'	10 1/2		18		
	24' - 26'	7		11		
	26' - 28'	10		7		
	28' - 30'	11 1/2		9 1/2		
" 18/99	30' - 32'	12 1/2		12 1/2	Clay 1'	
	32' - 34'	12 1/2		7	Sand 8'	
	34' - 36'	7		14		
	36' - 38'	10 1/2	1	10 1/2		
	38' - 39'	44	1	17	18	Soft granite 12'
	<small>+ cleanings</small>					

267 1/2

2 · 13 · 22

Weight of Fin in grains per 12 lbs of wash 58.04

Value per Cub. yard in pence 26.5

2.523 lbs per cu yd

No. 3 bore

Date	Depth	Weight of Core	Pan Contents	Strata Crossed
July 20 th /99	1' to 2'	10 ½	ogs. det. gas 2	Clay 2'
	2' " 4'	14	3	Hard sand 4'
	4' - 6'	13 ½	9 ½	gravel 2'
	6' - 8'	26	1.9	White granite 6'
		<u>64</u>	<u>0.1.23 ½</u>	

Weight of Pan in grams per 12 lbs of wash 8.90

Value per Cubic yard in pence 4.07

No. 4 bore

Date	Depth	Weight of core lbs	Fin contents of core oz. dist. grs	Strata crossed
July 22/99	1' to 2'	11	trace	Surface sand 2'
	2' " 4'	9 1/2	3	Hard sand 4'
	4' " 6'	18 1/2	3	Puggy sand 2'
	6' " 8'	20	17	Tight gravel 6'
" 24/99	8' " 10'	16	15	
	10' " 12'	10 1/2	5	
	12' " 14'	9	4	Fine sand 8'
	14' " 16'	7 1/2		
	16' " 18'	6 1/2	trace	
	18' " 20'	5	1 1/2	
	20' " 22'	8 1/2	trace	Coarse sand 14'
	22' " 24'	3		
" 25/99	24' " 26'	6 1/2	trace	
	26' " 28'	6 1/2	trace	
	28' " 30'	7	trace	
	30' " 32'	8 1/2		
	32' " 34'	8	6 1/2	
	34' " 36'	7	trace	Puggy sand 4'
	36' " 38'	8	1 - 11	
	38' " 40'	3 1/2	1 1/2	Sand 10'
	40' " 42'	6	6	
" 26/99	42' " 44'	5 1/2	7	
	44' " 46'	2 1/2	4	
		194	44 - 12 1/2	

No. 4 bore continued

Date	Depth ft	Weight of Core lb	Fin Contents in Core		
			gr	grs	
Brought Forward		153 1/2	4	12 1/2	
	46' to 48'	6		5 1/2	
	48' - 50'	5 1/2		7 1/2	Quartz 2'
	50' - 52'	5		5	
	52' - 54'	3 1/2		5	
" 27/99	54' - 56'	6 1/2	Trace		Fine sand 3'
	56' - 58'	6 1/2		3 1/2	
	58' - 60'	5 1/2		4	Quartz 1'
	60' - 62'	3 1/2	Trace		Sand 20'
	62' - 64'	7 1/2		2 1/2	
	64' - 66'	4 1/2	Trace		
	66' - 68'	6 1/2	"		
	68' - 70'	9 1/2		5	
	70' - 72'	7 1/2		7 1/2	
	72' - 74'	9	1	12	
	74' - 76'	8 1/2		10	
	76' - 78'	6 1/2		9 1/2	
	78' - 80'	20		3 1/2	Quartz 2'
	80' - 82'	12		9	Course sand 5'
	82' - 83'	6		7	Quartz 7'
	Clearings	14		16	

347 1/2

0.10.5 1/2

Weight of Fin in grains per 12 ll. of wash 8.46

Value in pence per cubic yard

3.86. 36 lbs per c yd

No 5 core

Date	Depth	Weight of Core lbs	Tin contents in Core		Material crossed.
			oz.	dwt. grs	
July 22/99	1' to 2'	12		4 1/2	Surface sand 4'
	2' - 4'	25		2 1/2	Hard sand 2'
	4' - 6'	22		trace	Plug 3'
	6' - 8'	12 1/2		19 1/2	Coarse sand 3'
	8' - 10'	14		2 - 6	
	10' - 12'	12		trace	granite 9'
		<u>97 1/2</u>	<u>0 - 3 - 8 1/2</u>		

Weight in grains per 12 lbs of wash 9.90

Value per cub. yard in place 4.5

N^o. 6 bore ✓

Date	Depth ft	Weight of bore lbs	Fin contents of bore ozs. dust. gms	Sticks crossed
July 25/99	1 to 2'	11½	1	Sand 4'
	2' - 4'	20	trace	
	4' - 6'	19½	1	Pyg 2'
	6' - 8'	20	1	
	8' - 10'	18½	1 - 7½	Sand 13'
" 26/99	10' - 12'	22	1 - 20½	
	12' - 14'	18	3 - 11½	
	14' - 16'	11	1 - 1½	
	16' - 18'	14½	1 - 23½	
	18' - 19'	7½	1 - 13½	Granite 21'
		<u>162½</u>	<u>0 - 11 - 9</u>	

Weight in grains per 12 lbs of wash 20.16

Value per Cub. yard in place 9.1

.86 lbs per c. yd.

No. 7 bore

Date	Depth ft	Weight of Core lbs	Sin content of Core			Strata crossed
			oxy.	carb.	gas	
July 28/99	1' - 2'	nil				Surface sand 12'
	2' - 4'	"				
	4' - 6'	"				
	6' - 8'	"				
	8' - 10'	12½			16	
	10' - 12'	15½			5½	
	12' - 14'	"				Hard black sand
	14' - 16'	"				and Pyrites 6'
	16' - 18'	"				Fine sand 9'
" 29/99	18' - 20'	10½				
	20' - 22'	10				
	22' - 24'	10½				
" 31/99	24' - 26'	13½				
	26' - 27'	5½				quartz 13'
		78	0 · 0 · 21½			

Weight in grains per 1/2 lb of wash 3.30
 Value per Cub. yard 1.5

N^o 8 bore

Date	Depth ft	Weight of Core lbs	Fin Contents of Core.			Strata crossed.
			oz.	dwt.	grs.	
July 31 /99	1' - 2'	4½		nil		Sand 6'
	2' - 4'	4½			1½	
	4' - 6'	8½			1½	
	6' - 8'	17			2½	Plug 4'
	8' - 10'	18			10	
	10' - 12'	10½			6	Hard black sand 8
Aug: 1 st /99	12' - 14'	8½			7	
	14' - 16'	13½			6½	
	16' - 18'	12½			2½	
	18' - 20'	14		trace		Plug 2'
	20' - 22'	11½		1 - 11		Puggy sand 2'
	22' - 24'	7½			5	Fine sand 2'
	24' - 26'	9½			12	Coarse sand 6'
	26' - 28'	18			21	
	28' - 30'	16			6½	
	.. 2 /99	30' - 32'	9½			11½
	32' - 34'	22			9	Fine puggy sand 2'
	cleanings	23			14½	granite 18'
		<u>228½</u>	<u>0 - 6688</u>			

Weight of Fin in grains per 12 lbs of wash 7.98

Value per Cub. yard in pence 3.6

No. 9 bore " ✓

Date	Depth ft.	Weight of Core lbs.	Sin Content of Core		Mica Crossed
			ogs.	wt. %	
Aug: 1 st / 99	1' to 2'	13½		1½	Sand 4'
	2' - 4'	16½	trace		
	4' - 6'	12	nil		Flug 7'
	6' - 8'	16½	-		
" 2 / 99	8' - 10'	15	-		
	10' - 12'	21½	"		Sand 13' 6"
	12' - 14'	7½		1½	
	14' - 16'	17½		3	
	16' - 18'	14½		3	
	18' - 20'	16		2½	
	20' - 22'	15½		1	
	22' - 24' 6"	13		2½	granite 4'
			<u>179</u>	<u>0 · 0 · 15</u>	

Weight of Sin in grains per 12 lbs of wash = 99

Value per cub: yard in place = 45

No. 10 bore

Date	Depth ft	Weight of Core lbs	Fin Contents of Core gr. det. gr.	Shale crossed
Aug: 4/99	1' to 3'	14	1 1/2	Sand 2'
	3' - 6'	23	1	Hard sand 2'
	6' - 9'	21 1/2	nil	Sandy clay 6'
5/99	7' - 12'	22 1/2	14	Pug Coarse drift sand 2'
	12' - 15'	21 1/2		granite 4'
		<u>102 1/2</u>	<u>0 · 0 · 16 1/2</u>	

Weight of Fin in grains per 12 lbs of wash 1.92
 Value per Cub. yard in place .87

No. 11 bore

Date	Depth ft	Weight of Core lbs	Fin Contents of Core gr. det. gr.	Shale crossed
Aug: 5/99	1' to 3'	20	trace	Fine sand 5'
	3' - 6'	27	1 1/2	Puggy sand 1'
	6' - 19'	114 1/2		Pug granite 27'
		<u>61 1/2</u>	<u>0 · 0 · 1 1/2</u>	

Weight of Fin in grains per 12 lbs of wash Trace
 Value per Cub yard

No 12 bore

Date	Depth ft	Weight of Core lbs	Fin Content of Core.		Strata Assesd
			ogs.	dust. gns	
Aug: 6/99	1' to 3'	19		13	Sand 3'
	3' - 6'	25	1	3	Hard sand 1' 6"
	6' - 9'	32	12	24	Sand 9' 6"
	9' - 12'	26	3	19 1/2	
	12' - 15'	23	1	2 1/2	Puffy sand 5'
	15' - 18'	14	1	3	
	18' - 21'	23 1/2	1	12 1/2	Sand 2'
" 7 th /99	21' - 24'	26	1	4 1/2	Puffy sand 4'
	24' - 27'	28	3	3	Fine sand 3'
	27' - 30'	32	4	7 1/2	Coarse sand 2'
" 8 th /99	30' - 33'	31	2	13	Puffy sand 2'
	33' - 36'	42	18	6 1/2	Coarse sand 17'
" 22 nd /99	36' - 39'	27	5	23	
	39' - 42'	26	6	3	
	42' - 45'	24	6	18 1/2	
" 23/99	45' - 48'	32	5	4	
	48' - 51'	32	6	11 1/2	
" 24/99	51' - 54'	32 1/2	6	13	Puffy sand 4'
" "	54' - 57'	30 1/2	5	12	
	cleanings	32	19	6 1/2	gravel 9'

557 1/2

8 · 3 · 18 1/2

Weight of Fin in grains per 12 lb. of wash 84.60

Value per Cub. yard in place 38.5

3.66 lbs per c. yd.

No. 13 bore.

Date	Depth ft	Weight of Core. lbs	Fin Contents of Core. oz. dust. res. nil	Material found
Aug: 6 th /99	1' to 3'	11		Surf 4'
	3' - 6'	22	20 1/2	Brown sand 2'
	6' - 9'	14	2 - 21 1/2	Puffy sand 3'
	9' - 12'	17	2 - 1 1/2	Coarse sand 3'
	12' - 15'	37	12	Fine sand 9'
	15' - 18'	22	8 1/2	
	18' - 21'	23 1/2	12	Putg 1'
	21' - 24'	30	18	Fine sand 5'
" 7 th /99	24' - 27'	27	4 - 17	Sand 16'
	27' - 30'	27 1/2	6 - 15	
	30' - 33'	19	2 - 8 1/2	
	33' - 36'	17 1/2	1 - 21	
" 8 th /99	36' - 39'	22 1/2	2 - 0	
	39' - 42'	21 1/2	1 - 19 1/2	
	42' - 45'	31	2 - 4	
	45' - 48'	35	2 - 8	
" 22 nd /99	48' - 51'	30	5 - 0	
" 23/99	51' - 54'	26	3 - 11	
	54' - 55'	15	2 - 2	gravel 4'

448 1/2

2 . 2 . 8

Weight of Fin in grains per 12 lbs of wash 27.18

Value per Cub: yard in place 12.3

1.17 lbs per cu. yd.

No. 14 bore

Date	Depth	Weight of Core.	Fin Content of Core.	Strata crossed
Aug: 25/99	1' to 3'	16½	1 - 23½	Sand 9'
	3' - 6'	17	2 - 10	
	6' - 9'	22	2 - 7½	
	9' - 12'	26½	12	Flint 3'
	12' - 15'	25	18½	Sand 24
	15' - 18'	21	9	
	18' - 21'	21½	10	
" 26/99	21' - 24'	26	1 - 20½	
	24' - 27'	19	15 - 1½	
	27' - 30'	22	8 - 8	
	30' - 33'	21½	3 - 10	
" 28/99	33' - 36'	27	5 - 7	
	36' - 39'	22	3 - 0	Flint 3'
	39' - 42'	22½	2 - 7	Flint sand 6'
	42' - 45'	27	2 - 6	
	45' - 48'	22½	7 - 3	Coarse gravel 7'
	48' - 51'	22½	12 - 12	
" 29/99	51' - 52'	14	7 - 8½	
	Cleanings	18	3 - 16½	granite 6'

413½

4 · 0 · 22½

Weight of Fin in grains per 12 lbs of wash 56.34

Value per Cub: yard in Pence

25.7

2.64 lbs per c. yd.

No. 1A bore

Date	Depth ft	Weight of Core lbs.	Fin Contents of Core		Mistake Crossed
			oz.	dwt. grs.	
Aug: 25/99	1' to 3'	9	.	2	Course sand 12'
	3' - 6'	16½		2 · 15	
	6' - 9'	47		3 · 6	
	9' - 12'	36		2 · 10	
	12' - 15'	31		22	Plug 3'
	15' - 18'	32		1 · 3	Sand 6"
	18' - 21'	37		10	Plug 2' 6"
	21' - 24'	18½		23	Sand 2' 6"
	24' - 27'	16½		1 · 16½	Plug 6"
" 26/99	27' - 30'	26		1 · 14	Sand 20'
	30' - 33'	28		1 · 15	
	33' - 36'	24		1 · 2	
	36' - 39'	37		2 · 5	
	39' - 42'	27		1 · 1½	Plug 2' 6"
Sept: 2/99	42' - 45'	27½		22	Sand 1'
" 4/99	45' - 48'	26		19	Plug 6"
	48' - 51'	18½		7	Sand 15' 6"
	51' - 54'	21		8½	
	54' - 57'	19		23	
	57' - 60'	20½		11	
	60' - 60' 6"	9		10	
	cleanings				granite 4' 6"

Weight of Fin in grams per 12 lbs. of wash 527 1 · 5 · 5½ 13.77
 Value per Cub yard in place 6.3

No. 2A bore

Date	Depth	Weight of Core	Fin Content of Core.
	97' 6"		

No cores were saved as they were all barren of Fin

No. 1B bore

Date	Depth	Weight of core.	Fin content of core	Strata Crossed
	^{ft}	^{lbs.}	^{oz.} ^{dwt.} ^{grs.}	
Aug: 29/99	1' to 3'	15 1/2	trace	Sand 3'
	3' - 6'	17 1/2	-	Clay 3'
30/99	6' - 9'	13	-	Sand 9'
	9' - 12'	18 1/2	17	
	12' - 15'	14 1/2	1 - 18	
	15' - 18'	19	6	Plug 3'
	18' - 21'	18 1/2	13	Puggy sand 6'
	21' - 24'	23	15	
	24' - 27'	22	14 1/2	Coarse gravel 3'
	27' - 30'	23 1/2	8	Fine sand 1'
				Plug 2'
31/99	30' - 33'	21	6 1/2	Puggy sand 3'
	33' - 36'	24	nil	Plug 4' 6"
	36' - 39'	29	"	Sand 1' 6"
	39' - 42'	22 1/2	1 - 6 1/2	Coarse gravel 9'
	42' - 45'	24	5 - 12 1/2	
		<u>305 1/2</u>	<u>0 - 11 - 21</u>	

No. 1 B bore continued

Date.	Depth. ft.	Weight of Core. lbs	Fin Contents of Core.		Strata Crossed
			ozs.	grs.	
Brought Forward		305 1/2	11	21	
	45' to 48'	26	2	0	
Sept: 1 st /99	48' - 51'	22 1/2	1	1	Sand 5' 6"
	51' - 54'	25		10 1/2	Pay 6"
	54' - 57'	21 1/2		9	Sand 3'
" 2 nd /99	57' - 60'	19	1	19	Pay 2'
	60' - 63'	23 1/2		7	Sand 10'
" 4 th /99	63' - 66'	21		8	
	66' - 69'	18 1/2		6	Pay, sand 6'
	69' - 72'	23 1/2		6	
	72' - 75'	23		14	Coarse gravel 6'
" 5 th /99	75' - 78'	26		14 1/2	
	78' - 81'	25	9	16 1/2	
	Cleanings	28	1	10	grains 3'
		<u>608</u>	<u>1</u>	<u>10</u>	<u>22 1/2</u>

Weight of Fin in grains per 12 lbs of wash 14.65
 Value per Cub: yard in place 6.7

No 2 B bore

Date	Depth ft	Weight of Core lbs	Tin Content of Core. oz
	28' 6"	No Cores contained no Tin	

No 1 C bore

Date	Depth ft	Weight of Core lbs	Tin Content of Core. oz	Minerals Crossed
Sept: 6 th /99	1' to 3'	14	nil	Clay 8'
	3' - 6'	16 1/2	"	
	6' - 9'	21	Trace	Sand 6' 6"
	9' - 12'	20	8	
	12' - 15'	23	18 1/2	Sug 6'
	15' - 18'	18 1/2	8	Sand 3'
	18' - 21'	21 1/2	5	Sug 3'
" 7 th /99	21' - 24'	16 1/2	17	Sand 11"
	24' - 27'	21	13 1/2	
	27' - 30'	25	10 1/2	
	30' - 33'	19 1/2	5	Sug 1'
	33' - 36'	19 1/2	4	Sand 11'
" 8 th /99	36' - 39'	18 1/2	5 1/2	
	39' - 42'	19 1/2	13	
	42' - 45'	15 1/2	1 1/2	Sug 1'
	45' - 48'	19 1/2	8	Sand 2'
	48' - 51'	26 1/2	12 1/2	Sug 3'
Forward		335 1/2	5 · 10	

No. 1 C bore continued

Date	Depth ft	Weight of Core lbs	Fin Content of Core of det. qu.	Blind Core
Brought Forward.		335½	5 · 10	Sand 7'
Sept: 9 th /99	51' to 54'	19½	6½	
	54' - 57'	18½	7½	Slag 3'
" 11 th /99	57' - 60'	22½	nil	Sand 11'
	60' - 63'	20½	"	
	63' - 66'	24	"	
	66' - 69'	24	"	
	69' - 72'	22	"	Slag 1'
" 12 th /99	72' - 75'	21	"	Sand 15'
	75' - 78'	21½	"	
	78' - 81'	17	"	
	81' - 84'	23½	"	
	84' - 87'	17½	"	
		<u>587</u>	<u>0 · 6 · 0</u>	

Weight of Fin in grains per 12 lbs of wash 2.94
 Value per Cub: yard in pence 1.3

No. 2.C bore

Date	Depth ft	Weight of Core lbs	Fin contents of Core.			Strata Corred
			oz	dwt.	gr	
Sept: 8 th /99	1' to 3'	19				Sand 31'
	3' - 6'	22 ½			1	
	6' - 9'	30			2	
	9' - 12'	36			5 ½	
" 9 th /99	12' - 15'	20			3	
	15' - 18'	17 ½			1 ½	
	18' - 21'	14 ½			2	
" 11 th /99	21' - 24'	22 ½			6	
	24' - 27'	19 ½			13	
	27' - 30'	17 ½			15	
	30' - 33'	21			13 ½	Pug 6'
	33' - 36'	22 ½			1 - 18 ½	Sand 4' 6"
" 12 th /99	36' - 39'	17			22	Pug 1' 6"
	39' - 42'	19			1 - 2 ½	Sand 13'
	42' - 45'	23			1 - 21 ½	
	45' - 48'	22 ½			1 - 16	
	48' - 51'	18			1 - 17	Pug 6'
	51' - 54'	20			2 - 11	Sand 6'
" 13 th /99	54' - 57'	25			3 - 7 ½	Pug 1'
	57' - 60'	26			4 - 6 ½	Sand 6'
	60' - 63'	26			1 - 15	
	63' - 66'	25			1 - 12 ½	Pug 1'
		474			1 - 4 - 20 ½	

No. 2. C core continued

Date	Depth ft	Weight of core lbs	Fine Contents of Core.			Mud. Content
			Weight lbs	dwt.	grs.	
Brought Forward.		18478	1	4	20½	Sand 1'6"
	66' to 69'	18		1	7	Mud 2'6"
	69' - 72'	21		1	1	Sand 2'
Sept: 14/99	72' - 75'	20		1	2	
	75' - 78'	24		1	4½	
" 15 th /99	78' - 81'	24½			18	
	81' - 84'	22½		2	3½	
" 16 th /99	84' - 87'	22		1	3	
	87' - 90'	20		1	4	
	90' - 93'	21½			21	Mud 6"
" 18 th /99	93' - 96'	22		2	22	Sand 2'6"
	96' - 99'	11½			7½	Mud 4'
	99' - 102'	20		1	8½	Sand 7'
	102' - 105'	22½		3	11	
	105' - 108'	23		1	19	Mud 1'
	108' - 109'	10			20½	Gravel 1'
	Cleanings	26		2	19	Gravel 3'
		<u>802½</u>	<u>2 · 9 · 0</u>			

Weight of Fin in grain: per 12 lbs of wash 17.59

Value per Cub: yard in pence 8³

No 1 D bore

Date	Depth ft	Weight of core lbs.	Sin content of core.		Mud in Core
			sp.	det. grs.	
Sept: 13 th /99	1' - 3'	26 1/2	nil		Sand 42'
	3' - 6'	33			
	6' - 9'	23 1/2		2	
	9' - 12'	18		2	
	12' - 15'	22		18	
	15' - 18'	19		5 1/2	
	18' - 21'	25 1/2		9	
" 14 th /99	21' - 24'	23		4 1/2	
	24' - 27'	19 1/2		3 1/2	
	27' - 30'	25 1/2		3 1/2	
" 15 th /99	30' - 33'	23		3	
	33' - 36'	19 1/2	nil		
" 16 th /99	36' - 39'	20		5 1/2	
	39' - 42'	18		5	
" 18 th /99	42' - 45'	19		3	Pugy 6'
	45' - 48'	16		6	
	48' - 51'	18 1/2		12 1/2	
	51' - 54'	19		22	
" 19 th /99	54' - 57'	19		21 1/2	Sand 15'
	57' - 60'	24		18	
	60' - 63'	23		19 1/2	
" 20 th /99	63' - 66'	21		1 - 4 1/2	Coarse gravel 3'
		474 1/2	0 - 8 - 0 1/2		

No. 1 D continued

Date	Depth ft	Weight of Core lbs.	Tin Contents of Core.			Notes	
			oz	dwt	grs		
Brought Forward.		474 $\frac{1}{2}$	0	8	0 $\frac{1}{2}$	Sand 21' 6"	
	66' to 69'	11			14 $\frac{1}{2}$		
Sept: 21/99	69' - 72'	18 $\frac{1}{2}$			23 $\frac{1}{2}$		
	72' - 75'	16			12		
	75' - 78'	22 $\frac{1}{2}$			20		
	78' - 81'	22 $\frac{1}{2}$			20		
" 22/99	81' - 84'	17			12		
	84' - 87'	27 $\frac{1}{2}$		2	9 $\frac{1}{2}$	Slag 2' 6"	
	87' - 90'	21 $\frac{1}{2}$		2	10 $\frac{1}{2}$		
	90' - 93	36	1	17	23	Rough gravel 3'	
		<u>668</u>		<u>2</u>	<u>15</u>	<u>1 $\frac{1}{2}$</u>	

Weight of Tin grains per 12 lbs of wash 23.72
 Value per cub: yard in place 10.8

No 3 C bore

Date	Depth	Weight of Core lbs.	Fin Contents of Core.		Mud in Core
			oz.	dwt. grs.	
Sept: 19 th /99	1' to 3'	13		nil	Surf 5'
	3' - 6'	19		7	
	6' - 9'	20		12	Sand 6'
	9' - 12'	23		18 1/2	Surf 6'
	12' - 15'	22		9 1/2	Coarse sand 7'
" 20 th /99	15' - 18'	20 1/2	2	21	Surf Sand 8'
	18' - 21'	21		19	
" 21/99	21' - 24'	24		22	Surf 1' 6"
	24' - 27'	18 1/2		9	Fin sand 1' 6"
	27' - 30'	22		1	
" 22 nd /99	30' - 33'	16		5 1/2	
" 23 rd 25	33' - 36'	18		4	Surf 6"
	36' - 39'	20		7 1/2	Sand 2' 6"
	39' - 42'	21		10	
" 26 th /99	42' - 45'	24		7	
" 27/99	45' - 48'	18		4 1/2	
	48' - 51'	24		10	
	51' - 54'	25		5 1/2	
" 28/99	54' - 57'	23		6	
	57' - 60'	20		4	Surf 4'
	60' - 63'	19 1/2		2 1/2	Sand 1'
	63' - 66'	23	4	18	Puggy sand 4'
Forward.		454 1/2	0	14	11 1/2

No. 3 C core continued

Date	Depth ft	Weight of core lbs	Tin contents of core.		
			oz.	grs	
Brought Forward.		454 $\frac{1}{2}$	14	11 $\frac{1}{2}$	
Sept: 29/99	66' to 69'	25	17	14	
	69' - 72'	20	9	21	Black pyg 2'
	cleanings	23	2	15 $\frac{1}{2}$	
		<u>522 $\frac{1}{2}$</u>	<u>2</u>	<u>4</u>	<u>14</u>

Weight of Tin in grains per 12 lbs of wash 24.56

Value per cub. yard in place. 11².23

Tin contents per cub yd approx 1.06 lbs

✓
No 15 bore

Date	Depth ft	Weight of Core lbs	Tin Contents of Core		Misc. Contd.
			oz	grs	
Sept: 26 th /99	1' to 3'	12 1/2		13	
	3' - 6'	22 1/2	1	4	Sand 5'
	6' - 9'	16		17 1/2	Pyg 1'
	9' - 12'	15	1	20 1/2	Sand 25'
	12' - 15'	24 1/2	1	7 1/2	
	15' - 18'	22 1/2		15	
	18' - 21'	23 1/2		17 1/2	
	21' - 24'	24 1/2	2	4	
" 27 th /99	24' - 27'	19	3	20	
	27' - 30'	20 1/2	4	2	
	30' - 33'	19	1	14	Pyg 2'
	33' - 36'	20	2	11	Sand 9'
	36' - 39'	21	2	9	
	39' - 42'	23 1/2	4	13	
	42' - 45'	20 1/2		22 1/2	Pyg 3'
" 28 th /99	45' - 48'	21	2	0 1/2	Sand 8'
	48' - 51'	22 1/2	2	18	
	51' - 54'	23 1/2	2	19	Pyg 2'
	54' - 57'	22 1/2	2	10 1/2	
	57' - 60'	25	4	10 1/2	Sand 9'
" 29 th /99	60' - 63'	24	1	9	
	63' - 64'	8		15	
	Cleanings	25	3	12 1/2	
		<u>476</u>	<u>2 · 8 · 21 1/2</u>		

Weight of tin p. 12 lb. of core 29.58
Value p. cub. yard 13.5

No. 16 bore

Date	Depth ft	Weight of core lbs	Sin contents of core ozs dust. gms	Strata crossed
Sept: 30 th /99	1' to 3'	15	--	Clay 6'
	3' - 6'	17	3	
	6' - 9'	20	1 - 14 1/2	Sand 36'
Oct: 2 nd /99	9' - 12'	21	1 - 20	
	12' - 15'	28	13	
	15' - 18'	20 1/2	22	
	18' - 21'	19 1/2	16 1/2	
	21' - 24'	22	21	
	24' - 27'	20	1 - 3 1/2	
	27' - 30'	21 1/2	23 1/2	
Oct: 3 rd /99	30' - 33'	22 1/2	11	
	33' - 36'	25	13	
	36' - 39'	17	6	
	39' - 42'	17 1/2	10 1/2	Plug 1'
	42' - 45'	27	1 - 13 1/2	Sand 2'
Oct: 4 th /99	45' - 48'	20 1/2	7 - 10	Plug 3'
	48' - 51'	24	4 - 17	Sand 25'
Oct: 5 th - 6 th /99	51' - 54'	26	4 - 21 1/2	
	54' - 57'	23 1/2	2 - 18 1/2	
	57' - 60'	20 1/2	1 - 22 1/2	
	60' - 63'	23 1/2	1 - 0	
	63' - 66'	23	19	
	66' - 69'	19	1 - 7	
	69' - 72'	22 1/2	3 - 11	
	72' - 75'	20 1/2	2 - 17 1/2	
	75' - 78'	26	1 - 5	
	78' - 81'	23 1/2	4 - 11 1/2	Gravel 1'
	81' - 84'	17 1/2	3 - 12	Sand 12'
	84' - 87'	19 1/2	4 - 2 1/2	Gravel 3'
		623	2 - 16 - 6	

2 - 16 - 6
 15 - 12 1/2
 4 - 9 1/2
 6 - 1
 6 - 0
 4 - 8 - 5
 623
 cleanings 51' to 54' 44
 " " 54' to 60' 64
 " " 65' to 70' 61
 " " " 58
 850

Value per cut yard with cleanings 13.6

Cleanings 51' to 54' dust. gms
 4 1/2 ozs
 6th - 7th
 9th
 10th
 11th
 12th
 15 - 12 1/2

No 17 bore

Date	Depth <small>ft</small>	Weight of core <small>lbs</small>	Tin contents of core <small>oz</small> <small>dwt</small> <small>grs</small>	Material covered
Sept: 30 th /99	1' to 3'	17		Sand 5'
	3' - 6'	21		
	6' - 9'	19	10	Pug 3'
	9' - 12'	22		Sand 14'
	12' - 15'	20	1	
	15' - 18'	23	2	
Oct: 2 nd /99	18' - 21'	18½	7	
	21' - 24'	16½		Pug 2'
	24' - 27'	18½	13	Sand 1'
	27' - 30'	17½	5½	Puggy sand 1'
	30' - 33'	17½	8½	Pug 1'
	33' - 36'	17	21½	Sand 2'6"
	36' - 39'	21	22	Pug 6"
	39' - 42'	19	5	Sand 2'
	42' - 45'	18½	7	Pug 1'
	45' - 48'	18½	6	Sand 15'
Oct: 3 rd /99	39' - 42'	19	5	
	42' - 45'	18½	7	
	45' - 48'	18½	6	

No 18 bore

Date	Depth ft	Weight of Core lbs	Sin contents of Core		Strata Crossed.
			ozs	dwt. grs	
Oct: 4 th /99	1' to 3'	6			Surf 4'
	3' - 6'	15			Sand 7' 6"
	6' - 9'	18	1	3	
	9' - 12'	23	1	12½	Puggy sand 2'
	12' - 15'	20		11½	Pug 1'
	15' - 18'	15		9	Puggy sand 6' 6"
	18' - 21'	18		7	
" 5 th /99	21' - 24'	19		8	Sand 19' 6"
	24' - 27'	19½		11	
	27' - 30'	18½		14½	
	30' - 33'	19½		6½	
	33' - 36'	22		6	
	36' - 39'	23		8	
" 6 th /99	39' - 42'	22		6	Pug 1' 6"
	42' - 45'	20		5	Puggy sand 5'
7 th /99	45' - 48'	20½		3	Sand 8'
	48' - 51'	19½		4	Pug 6"
	51' - 54'	22		2	
9 th	54' - 57'	21		1½	Sand 18'
	57' - 60'	24	1	6	
10 th	60' - 63'	22½		5	
	63' - 66'	24	2	10½	

432

0 · 10 · 20

No. 18 bore Continued

Date	Depth ft	Weight of core lbs	Tin contents of core			Strata Crossed.
			ozs.	dwt.	grs	
	Brought Forward.	432	0	10	20	
Oct: 11 th / 99	66' to 69'	23 1/2		1	19	
12 th	69' - 72'	25		1	4 1/2	
13 th	72' - 75'	24		1	8	Pyg 6"
14 th	75' - 78'	24 1/2			21	yellow sand 8'
	78' - 81'	23 1/2			19	
16 th	81' - 82	17 1/2		1	8	
	cleanings	20		1	6 1/2	

590 0 · 19 · 10

Weight of Tin in grains per lb. of wash. 9.468

Value per Cub. yard in price. 4.3

No 19 bore ✓

Date	Depth ft	Weight of core lbs	Fin Content of Core		Strata crossed.
			oz	grs	
Oct. 16 th /99	1' to 3'	17½			
	3' - 6'	22			
17 th	6' - 9'	32		1	Sand 4'
	9' - 12'	23		4	Hard sand 2'
	12' - 15'	21½		4½	Pug 2'
	15' - 18'	25		4	Dark sand 6'
	18' - 21'	17		4½	Sand 33'
	21' - 24'	22		10	
	24' - 27'	17½		3½	
	27' - 30'	17		1	
	30' - 33'	25		1½	
	33' - 36'	20		2½	
	18 th	36' - 39'	23		22
39' - 42'		24		21	
42' - 45'		23		7½	
45' - 48'		18½		5	Puggy sand 4'
48' - 51'		19		2	Blue sand 12'
19 th	51' - 54'	19½		5	
	54' - 57'	18½		3	
	57' - 60'	18		3	
20 th	60' - 63'	20	3	12	Pug 4'
	63' - 66'	19		12	
	66' - 69'	16		9	Sand 6'
	69' - 72'	16		11	
	72' - 73'	12		2	

503

0 · 9 · 7

Weight of Fin per 12 lbs of wash 5.31 grains

Value per cubic yard in place 2.4

Summary

Particulars of bores showing value of wash
on the basis of Sin @ £140 per ton & weight of wash 130 lbs. f.c. ft.

No. of bore	Depth of bore	Connection for surface level	Depth of bottom below S surface of western end of cutting	Weight of wash lbs	Weight of Sin grains	No. of grains of Sin per 12 lbs of wash	Value of wash per cub. yard <small>tenes</small>	
S			52'					
1	88'	+ 6	94'	473	1772	44.95	* 20.5	
2	39'	+ 15' 7"	54' 7"	267.5	1294	58.04	* 26.5	
3	8'	+ 25' 7"	33' 7"	64	47.5	8.90	4.07	
4	83'	+ 3' 1"	86' 1"	347.5	245	8.46	3.86	
5	12'	+ 7' 9"	19' 9"	97.5	80.5	9.90	4.5	
6	19'	+ 14' 7"	33' 7"	162.5	273	20.16	9.1	
7	27'	+ 8' 9"	35' 9"	78	21.5	3.30	1.5	
8	34'	- 14' 9"	19' 3"	228.5	152	7.98	3.6	
9	24'	- 3' 7"	20' 5"	179	15	.99	.45	
10	16'	+ 5' 3"	21' 3"	102.5	16.5	1.92	.87	
11	10'	- 5' 3"	4' 9"	61.5	1.5	Trace		
12	57'	+ 23' 7"	80' 7"	557.5	3930	84.60	* 38.5	
13	55'	+ 31' 7"	86' 7"	448.5	1016	27.18	* 12.3	
14	52'	+ 31' 7"	83' 7"	413.5	1942.5	56.34	* 25.7	
1A	60'	+ 24' 7"	84' 7"	527	605.5	13.77	6.25	
2A	97'	- 11' 5"	85' 7"	bores were barren				
1B	81'	+ 14' 7"	95' 7"	608	742.5	14.65	6.7	

No of bore	Depth of bore	Connection for surface level	Depth of bottom below S surface of western end of cutting	Weight of wash lbs	Weight of Pin grains	No. of grains of Pin per 12 lbs of wash	Value of wash per cubic yd hence
2B	28' 6"			Cores were barren			
1C	87'	+6' 10"	93' 10"	587	144	2.94	1 ² .3
2C	109'	+1' 2"	110' 2"	802.5	1176	17.59	8 ² .0
1D	93'	+9' 9"	102' 9"	668	1321	23.72	10 ² .8
3C	72'	+23' 11"	95' 11"	522.5	1070	24.56	* 11 ² .23
15	64'	+31' 7"	95' 7"	476	1173.5	29.58	* 13 ² .5
16	87'	+11' 10"	98' 10"	850	2117	29.88	* 13 ² .6
17							
18	82'	+15' 10"	97' 10"	590	466	9.46	4 ² .3
19	73'			503	223	5.31	2 ² .4
20	76'			499.5	69	1.70	.07
21A	60'	+15' 9"	75' 9"	512.5	1711.5	40.06	* 18 ² .3
22A	45'			362	1249.5	41.41	* 18 ² .9
23A	60'	-5'	55'	405.5	921.5	27.26	* 12 ² .47
24A	3'			20	16.5	9.9	4 ² .5
25A	26'	+20' 2"	46' 2"	210.5	485.5	27.67	* 12 ² .5
21	74'			478.5	159	3.98	1 ² .8
26A	7'			73.5	57.5	9.38	4 ² .2
27A	37'			280.5	270	11.54	5 ² .2
22	97'	+6' 11"	103' 11"	671	390	6.97	3 ² .1
28A	54'	+9' 11"	63' 11"	437	2956.5	81.16	* 37 ² .1

Summary

~~No 20~~ continued

Date	Depth	Weight of core	Pin contents of core	Slits		assess.	
No. of bore	Depth of bore	Connection for surface level	Depth of bottom below S surface of western end of cutting	Weight of wash lbs.	Weight of Pin grains	No. of grains of Pin per 12 lbs of wash	Value of wash per Cub: yd. hence.
29A	66'	+ 6	72'	543.5	2358.5	52.06	+ 23 ² .8
30A	79' 6"			556	1214	26.19	+ 11 ² .98
29	107'	- 2' 5"	104' 7"	755.5	220.5	3.49	1 ² .5
31A	8'			52	40.5	9.33	4 ² .2
32A	61' 6"			462.5	2152	55.8	+ 25 ² .5
33A	58' 6"			423	1415.5	40.15	+ 18 ² .3
23	120' 6"	- 12' 1"	108' 5"	684.5	767.5	13.45	6 ² .5
34A	14'			110.5	173.5	18.84	+ 8 ² .6
35A	33'			209	788	45.24	+ 20 ² .6
25	104'	- 75' 6"		Unfinished. No cores were saved, as no Pin			
26	114'	- 49' 6"	64' 6"	No cores were saved as there was no Pin.			
36A	54'			346	319	11.00	5 ² .
27	21'			129			
52	bore.						
37A	88' 6"	+ 7' 9"	96' 3"	648	3384	62.64	28 ² .6

No. 20 bore

Date	Depth ft	Weight of core lbs	Dry contents of core.		Strata crossed.
			org	det. gas	
Oct: 18 th /99	1' to 3'	12 ½			Sand 39'
	3' - 6'	22		3 ½	
	6' - 9'	22 ½		½	
	9' - 12'	18 ½		2	
	12' - 15'	21 ½		1 ½	
	15' - 18'	15 ½		3	
" 19 th	18' - 21'	19		1	
	21' - 24'	20		1	
	24' - 27'	17		2	
	27' - 30'	17 ½		1	
	30' - 33'	15 ½		3	
	33' - 36'	22 ½		1 ½	
	36' - 39'	20 ½		1 ½	
" 21 st	39' - 42'	24		2	Brown sand 14'
" 23 rd	42' - 45'	23		2 ½	
	45' - 48'	22		2 ½	
	48' - 51'	21 ½		2 ½	
	51' - 54'	20		6 ½	
	54' - 57'	21		2	
	57' - 60'	20 ½		4 ½	
" 24 th	60' - 63'	21		2 ½	
	63' - 66'	17		6	

Forward.

434 ½

0 · 2 · 4 ½

No. 20 core continued

Date	Depth ft	Weight of core lbs	Fin contents of core gr. det. gr.	Strata crossed.
Brought Forward.		434 $\frac{1}{2}$	2 · 4 $\frac{1}{2}$	Plug 6"
	66' to 69'	22	7 $\frac{1}{2}$	Brown sand 3'
	69' - 72'	19 $\frac{1}{2}$	5	Puffy sand 4'
	72' - 75'	17	2	Sand 3'
	75' - 76'	6 $\frac{1}{2}$	2	Puffy sand 2'

499 $\frac{1}{2}$ 0 · 2 · 21

Weight of grains of Fin per 12 lbs of wash 1.70

Value of wash per cub: yd in place. .07²

No. 21A bore.

Date	Depth ft	Weight of Core lb.	Silt Contents of Core			Strata crossed.
			oz.	dwt.	grs.	
Oct. 21 st / 99	1' to 3'	14 1/2		1	0	Sand 3'
	3' - 6'	21 1/2		1	9	cement. Hard sand 10'
	6' - 9'	29		2	12	
	9' - 12'	30		2	2 1/2	
	12' - 15'	18			20 1/2	Sand 4' 6"
	15' - 18'	29		1	20	Pug 6'
" 23 rd	18' - 21'	20		1	22 1/2	Sand 5'
	21' - 24'	22 1/2		1	15	Pug 3' 6"
	24' - 27'	20		3	7 1/2	Puffy sand 4'
	27' - 30'	19		1	15	Sand 5'
	30' - 33'	18		1	12	
	33' - 36'	24			11 1/2	Pug 1'
	36' - 39'	18 1/2		4	14	Sand 16'
" 24 th	39' - 42'	27		4	12 1/2	
	42' - 45'	24		5	20	
	45' - 48'	21 1/2		3	4	
	48' - 51'	24		1	9	
	51' - 54'	22 1/2		1	13 1/2	Puffy sand 3'
	54' - 57'	24		2	1 1/2	Sand 3'
" 25 th	57' - 60'	23 1/2		16	22	Pug Sand 3' 6"
cleanings	33' - 39'	21		3	14 1/2	
" from bore		24		2	19	
" " tub		17		4	18	

512 1/2 3 · 11 · 7 1/2

Value p. tub 24 18.3

No. 22 A bore.

Date	Depth ft	Weight of core lbs	Tin contents of core			Strata Crossed	
			ozs	dwt	grs		
Oct. 25 th /99	1' to 3'	16 1/2			7	cement Hard sand 5'	
	3' - 6'	23			5		
	6' - 9'	22 1/2		10	3	Putty 2'	
" 26 th /99	9' - 12'	25		6	4	Sand 10' 6"	
	12' - 15'	24 1/2		1	17		
	15' - 18'	23		1	7 1/2	Putty 6"	
	18' - 21'	23 1/2		1	16	Putty sand 1' 6"	
	21' - 24'	23		1	22 1/2	Sand 6' 6"	
	24' - 27'	24 1/2		11	4 1/2	Putty 6"	
	27' - 30'	22 1/2		2	12	Putty sand 6' 6"	
	30' - 33'	22		2	20	Sand 2'	
	" 27 th	33' - 36'	23		2	6	Putty 2'
		36' - 39'	22 1/2		1	5	Sand 3'
39' - 42'		22		1	0	Putty 1'	
42' - 45'		35		5	19	Sand 4'	
cleaning from tub		9 1/2		1	21		

362

2 · 12 · 1 1/2

grains of Tin per 12 lbs of wash 41.41

Value of wash per Cub. yard in place. 18.9

No. 23 A bore

Date	Depth	Weight of core lbs	Per cent of core oz det qts	Strata Crossed.
Oct. 28 th /99	1 ^{ft} to 3'	13	2	Loose sand 5'
	3' - 6'	21½	3½	Cement 21' 6"
	6' - 9'	19	4	
30 th	9' - 12'	21½	5	
	12' - 15'	21	3	
	15' - 18'	20	11	
	18' - 21'	20½	9	
	21' - 24'	19	13½	
	24' - 27'	20½	7 · 16	Hard pug 1'
31 st	27' - 30'	21½	18½	Brown sand 5'
	30' - 33'	21	1 · 6½	Cement 6'
	33' - 36'	19	2 · 8	
Nov 1 st /99	36' - 39'	20	5 · 5	Pug 6"
	39' - 42'	18½	4 · 0	Sand 21'
	42' - 45'	17½	3 · 17	
	45' - 48'	18	1 · 16½	
	48' - 51'	18	3 · 4	
	51' - 54'	18½	17	
	54' - 57'	18½	1 · 0	
	57' - 60'	27	2 · 4	
tub	cleanings	12	2 · 14	
		405½	1 · 18 · 9½	

Value of wash per cub. yd in pence 12²·47

No. 21 bore

Date	Depth	Weight of core.	Pin content of core.	Material Crossed.
Oct: 27 th / ₇₉	1' 6" - 3'	11	0	Sand 11' 6"
	3' - 6'	18		
	6' - 9'	19 1/2	6	
	9' - 12'	24	6	Pug 6"
	12' - 15'	22 1/2	3 1/2	
	15' - 18'	23	1 1/2	Sand 12'
	18' - 21'	20	14 1/2	
28 th	21' - 24'	19 1/2	8 1/2	
	24' - 27'	17	5	Pug 6"
	27' - 30'	18	5	Sand 3'
	30' - 33'	16 1/2	3	Puffy sand 1' 6"
30 th	33' - 36'	18	3	Pug 1'
	36' - 39'	17	9	Sand 4'
	39' - 42'	17 1/2	5	Puffy sand 2'
	42' - 45'	21 1/2	2 1/2	Sand 4' 6"
	45' - 48'	19 1/2	1 1/2	Pug 1'
	48' - 51'	16 1/2		Sand 2' 6"
31 st	51' - 54'	17	1 1/2	Puffy sand 1'
	54' - 57'	14	2	Sand 7'
	57' - 60'	15	1	Pug 6"
	60' - 63'	17	9	Sand 4' 6"
Nov: 1 st	63' - 66'	19	21 1/2	Pug 2'
	66' - 69'	22	1. 7	Sand 12' 6"
2 nd	69' - 72'	19	7	Yellow sand 3'
	72' - 74 1/2'	16 1/2	3	
	cleanings	20	9	
		478 1/2	0. 6. 15	

Value of wash per cub. yd in place. 1.8.

No. 24 A bore.

Date	Depth ft	Weight of Core lb.	Tin content of core			Strata crossed.
			gr	dwt	grs	
Nov: 2/99	1' to 3'	20			16 1/2	Sand 3'
		20	0	0	16 1/2	

Value of wash per cub. yd in pence 4-5

No. 25 A bore.

Date	Depth ft	Weight of Core lb.	Tin content of core			Strata crossed.
			gr	dwt	grs	
Nov: 2/99	1' to 3'	12			2 1/2	Sand 1'
	3' - 6'	18 1/2			6	Clay 2'
	6' - 9'	23			8 1/2	Puffy sand 6'
	9' - 12'	25			2 - 15	Sand 6'
	12' - 15'	22 1/2			2 - 15	
	15' - 18'	23			1 - 10 1/2	Flug 1'
" 3 ^d	18' - 21'	22 1/2			1 - 8	Sand 10'
	21' - 24'	24			1 - 19	
	24' - 26' - cleaning	33			8 - 12	
	Wk cleaning	7			1 - 5	
		210 1/2	1	0	5 1/2	

Value per cubic yard in pence 12-5

No. 26 A bore

Date	Depth	Weight of core	Fin content of core			Strata crossed.
			lbs	org	dust	
Nov: 4 th /99	1' to 3'	24			14	Black sand 3'
	3' - 6'	25½		1	5	Yellow cement 1'
	6' - 7'	13½			8½	Yellow sand 3'
	cleanings	10½			6	

73½ 0 · 2 · 9½

Value of wash per cub. yard in place. 4²·2

No. 27 A bore

Date	Depth	Weight of core	Fin content of core			Strata crossed.
			lbs	org	dust	
Nov: 4 th /99	1' to 3'	14½			12	Sand 8' 6"
" 6 th	3' - 6'	24		2	1	Slug 3' 6"
	6' - 9'	22½			11	
	9' - 12'	22½			6	
	12' - 15'	21		1	16	Fuggy sand 6'
	15' - 18'	18½			2	
	18' - 21'	22			15	Soft granite border 3'
	21' - 24'	24			18	Sand 12'
	24' - 27'	22½			7	
Nov: 8 th	27' - 30'	21½			8½	
	30' - 33'	21		3	4½	Fuggy sand 2'
	33' - 36'	22			3	
	36' - 37' cut	18½			12	Slug 1'
	cut	6			10	Sand 1'

280½ 0 · 11 · 6

Value of wash per cub. yd in place 5²·2

No. 32 bore.

Date	Depth ft	Weight of core lb	Fin content of core		Strata crossed
			sp	cut.	
Nov. 3 ^d /99	1' - 3'	16 1/2		1 1/2	Sand 5'
	3' - 9'	29		1	Pug 2'
	9' - 12'	17		2 1/2	Brown sand 16'
	12' - 15'	22		13	
	15' - 18'	19		10	
	18' - 21'	20 1/2		14 1/2	
" 4 ^d /99	21' - 24'	23 1/2		5 1/2	Pug 1'
	24' - 27'	24		6	Sand 4' 6"
6 ^d	27' - 30'	18		3	Pug 6"
	30' - 33'	20 1/2		7	Sand 5' 6"
	33' - 36'	16 1/2		4	Pug 6"
	36' - 39'	16		2	Sand 16'
	39' - 42'	15 1/2		3	
	42' - 45'	19		3	
8 ^d	45' - 48'	18 1/2		1	
	48' - 51'	22		1	
	51' - 54'	20 1/2		0	Pug 2'
	54' - 57'	17 1/2		1	Fine sand 10'
9 ^d	57' - 60'	24		6	
	60' - 63'	18		4 1/2	
	63' - 66'	13		6	Puffy sand 4'
	66' - 69'	23		8 1/2	Pug 2'

Forward 43 3 1/2 0 4 3

No. 22 bore continued

Date	Depth ft	Weight of core lbs	Sin contents of core sp. dust. gals	Strata crossed.
Brought	Downward	433 1/2	0 . 4 . 3	Puffy sand 5'
	69' - 72'	23		
10 ^{1/2}	72' - 75'	22	1 . 12	Gravel 6"
	75' - 78'	22		Pug 1'
	78' - 81'	23	12 1/2	Sand 4' 6"
	81' - 84'	20 1/2	4	Gravel 1'
	84' - 87'	21	7	Sand 13'
	87' - 90'	18 1/2	9	
	90' - 93'	23	22 1/2	
	93' - 96'	23 1/2	4 . 8	
	96' - 97'	8	1 . 16	yellow sand gravel 3'
	cleanings	33	1 . 4 1/2	

671 0 . 16 . 6

Value of wash per Cub. yard in pence. 33².1

No. 28 A bore

Date	Depth	Weight of Core	Sin Contents of Core		Strata Crossed.	
			oz	dwt.		
Nov. 9 th /99	1' to 3'	10 ½		13 ½	Surface sand 3'	
	3' - 6'	34 ½		23 ½	Cement 2'	
	6' - 9'	22		8	Pug 1'	
	9' - 12'	19		15	Puffy sand 2' Brown sand 2'	
	12' - 15'	16 ½		1 - 1 ½	Sand 7' 6"	
	15' - 18'	22		1 - 2	Pug 2' 6"	
	18' - 21'	20		12	Sand 1'	
	21' - 24'	20 ½		11	Pug 3'	
	24' - 27'	21		1 - 5	Sand 2' 6"	
	" 10 th	27' - 30'	22 ½		1 - 17	Pug 6"
30' - 33'		24 ½		1 - 18	Sand 9'	
33' - 36'		24 ½		1 - 13	Pug 6"	
36' - 39'		26		1 - 8 - 1	Sand 1'	
39' - 42'		25 ½		1 - 12 - 2	Pug 6"	
42' - 45'		26 ½		8 - 18	Sand 6' 6"	
45' - 48'		25		9 - 5	Pug 6"	
48' - 51'		24		3 - 22 ½	Puffy sand 9'	
" 11 th		51' - 54'	29		11 - 6 ½	
		cleanings	12		11 - 0	
	lub clean	11 ½		7 - 2		

437 6 - 3 - 4 ½

Value of wash per cub. yard in place. 37.1

No. 29 A bore

Date	Depth	Weight of core	Fin contents of core			Strata crossed
			gr	det	24	
Nov: 11 th / 1899	1' - 3'	16			23	Loose sand 2'
	3' - 6'	24		2	3	Cement 3'
- 13 th	6' - 9'	25½			19½	Pug 3'
	9' - 12'	25		2	12	Brown sand 3' 6"
	12' - 15'	26		3	18	Sandy pug 9'
	15' - 18'	21			16	" " "
	18' - 21'	24		1	11	Pug " 6"
	21' - 24'	24½		1	16	Sand 25'
	24' - 27'	25½		3	15	" " "
	27' - 30'	25		1	23	" " "
	30' - 33'	23½		5	0	" " "
	33' - 36'	26	1	0	6	" " "
- 14 th	36' - 39'	23		16	5	" " "
	39' - 42'	21		4	0	" " "
	42' - 45'	22½		9	16½	" " "
	45' - 48'	20½		5	0	Pug 6' 6"
	48' - 51'	22½		2	16½	" " "
	51' - 54'	19½		2	15	" " "
	54' - 57'	21		2	11	" " "
- 15 th	57' - 60'	27½		3	7½	Fine sand 3' 6"
	60' - 63'	26½		2	7	Puffy sand 7' 6"
	63' - 66'	35½		2	7	" " "
	cut change	18		2	22½	" " "

543½ 4 · 18 · 6½

Value of wash per cub: yd in fence. 23·8

No. 30A bore

Date	Depth ft	Weight of core lb	Fin content of core		Strata crossed	
			oz	gr		
Nov: 15 th /99	1' - 3'	17		6	Loose sand 5'	
	3' - 6'	22		6	Cement 8'	
	6' - 9'	20		21		
- 16	9' - 12'	21	1	16		
	12' - 15'	23		21	Tight sand 38'	
	15' - 18'	21	2	6½		
	18' - 21'	23	1	17		
	21' - 24'	24		10		
	- 17 th	24' - 27'	23	1	2	
		27' - 30'	21½		16½	
30' - 33'		22		20		
33' - 36'		25	2	0		
36' - 39'		21	2	12		
39' - 42'		20½	3	12		
42' - 45'		19	3	4		
- 18 th		45' - 48'	18	2	5	
		48' - 51'	16½	2	10	Plug 1' 6"
		51' - 54'	21	1	16	Thin sand 7' 6"
	54' - 57'	17½	2	7		
	57' - 60'	16	1	0		
- 20 th	60' - 63'	18	3	18	Tight sand 3'	
	63' - 66'	17½	3	14	Plug 6"	
	66' - 69'	18	2	6	Sand 3' 6"	
Forward.		465½	2	0	5	

No. 30 A Continued

Date	Depth	Weight of core	In. content of core.			Notes crossed.
		lb	gr	dist.	gr	
Brought	Forward.	465 $\frac{1}{2}$	2	6	5	
	69' - 72'	19	2	20		Pug 6"
	72' - 75'	19 $\frac{1}{2}$	2	7 $\frac{1}{2}$		Puffy sand 3' 6"
Nov: 21 st	75' - 78'	18	1	12		Pug 6"
	78' - 79' 6"	21	1	8 $\frac{1}{2}$		Puffy sand 8'
	Underway	13	1	8		
		556	2	10	14	

1.14 lbs

Value of wash per Cub: yd. in place. 11.98

✓ No. 24 bore

Date	Depth	Weight of core _{lb}	Pin contents of core _{oz} _{dwt.} _{gr}	Strata crossed.
Nov. 14/99	1' to 3'	17	1	Sand 2'
	3' - 6'	19½	10½	Cement 1' 6"
	6' - 9'	22½	4½	Loose sand 6'
	9' - 12'	20	3½	Brown " 11' 6"
	12' - 15'	21	13½	
" 15 th /99	15' - 18'	23	14	
	18' - 21'	24	4	Puffy sand 1'
	21' - 24'	22	4	Sand 13' 6"
	24' - 27'	24	5½	
	27' - 30'	23½	7	
	30' - 33'	23	7	
" 16 th 17 th	33' - 36'	22	9½	Pug 1'
	36' - 39'	19½	6	Sand 4'
	39' - 42'	23	7½	Pug 6"
	42' - 45'	20	7	Sand 6' 6"
" 18	45' - 48'	23½	2	Pug 2' 6"
	48' - 51'	19	1½	Sand 6'
	51' - 54'	22½	3	
" 20	54' - 57'	22½	3	Pug 6'
	57' - 60'	23	1	
	60' - 63'	22	2	Sand 5'
	63' - 66'	21	3	
	66' - 69'	20½	2½	Puffy sand 2'
Forward.		498	0 . 5 . 2½	

No. 24 bore Continued.

Date	Depth	Weight of core	Sin contents of core			Strata crossed
			grs	dust	qu	
Brought	Downard.	498	0	5	2½	
Nov: 21/99	69' - 72'	18			3½	Fine sand 9' 6"
	72' - 75'	22			10½	Quag 1'
	75' - 78'	18½			4	Sand 2'
	78' - 81'	18½			4	Puffy sand 2'
. 22 ^d	81' - 84'	19			2	Sand 10'
	84' - 87'	20½			1½	Quag 1'
	87' - 90'	19½			2	Sand 2'
	90' - 93'	19			2½	Puffy sand 1'
. 23 ^d	93' - 96'	16½			3	Sand 2'
	96' - 99'	15			4	Puffy sand 1' 6"
	99' - 102'	16			2½	Quag 6"
	102' - 105'	17			1½	Coarse puffy sand 1' 6"
	105' - 107'	14		2	3	Fine puffy sand 4' = 107'
	cleaning tub	24			5½	quaint 7' 6"
	107' - 111'					
. 24 ^d	111' - 114'					

755½ 0 · 9 · 4½.

Value of wash per Cub: yd: in place 1.5

No. 31 A bore.

Date	Depth	Weight of core	In contents of core			Strata crossed.	
			lb	oz	wt		
Nov: 22/99	1' to 3'	11			5½	Surf	2'
	3' - 6'	21			21	Loose sand	6'
	6' - 8'	20			14	Granite	7'
		52			0 - 1 - 16		

Value of wash per Cub: yd in piece. 4.2.

No. 32 A bore

Date	Depth	Weight of Core.	Tin content of Core.			Strata Crossed
			oz	dwt	gr	
Nov: 23/99	1' to 3'	13				Surf 4' 6"
	3' - 6'	19 1/2		1	3 1/2	Loose white sand 9'
	6' - 9'	20		2	17	
	9' - 12'	22 1/2		1	3	
	12' - 15'	23 1/2			14 1/2	Pug 6"
24 th	15' - 18'	21			6 1/2	Puffy sand 1'
	18' - 21'	20			9	Coarse sand 8'
	21' - 24'	21 1/2		1	12	Puffy sand pebble 11'
	24' - 27'	20 1/2		6	0	
	27' - 30'	23 1/2		10	20	
25 th	30' - 33'	22		3	9	
	33' - 36'	19		1	7 1/2	Sand 3'
	36' - 39'	22 1/2			11	Pug 2'
27 th	39' - 42'	22 1/2		1	22	Yellow sand 1' 6"
	42' - 45'	19 1/2		4	13	Puffy sand 3' 6"
	45' - 48'	21 1/2		3	15	Pug 2'
	48' - 51'	25		4	18	Sand 3' 6"
	51' - 54'	23 1/2		7	22	Pug 6"
	54' - 57'	25 1/2		15	2	Sand 5'
28 th	57' - 60'	24		11	0	Gravel 4'
	60' - 61' 6"	22		7	5	Yellow sand 2' 6"
	tub cleaning	10 1/2		3	22	

462 1/2 4 9 16

Value of wash per cub: yard in pence. 25.5

No. 33A bore.

Date	Depth ft	Weight of core lb	Fin Contents of Core		Strata crossed	
			org	dwt grs		
Nov: 28 th /99	1' to 3'	13		2 · 6	Sand 6"	
	3' - 6'	16 ½		3 · 3	Imp 4' 6"	
" 29 th	6' - 9'	22		2 · 19	Loose sand 18'	
	9' - 12'	16 ½		22		
	12' - 15'	19		21		
	15' - 18'	21 ½		4 · 14		
	18' - 21'	23 ½		9 · 20		
	" 30 th	21' - 24'	23 ½		5 · 8	Sand 8'
24' - 27'		22 ½		4 · 14		
27' - 30'		24		3 · 17		
30' - 33'		23		1 · 9	Puffy sand 5'	
33' - 36'		18		19		
Dec: 1 st /99		36' - 39'	23 ½		1 · 4	Puf 1'
		39' - 42'	23 ½		1 · 8	Sand 17' 6"
		42' - 45'	22 ½		1 · 6 ½	
	45' - 48'	21		2 · 6		
" 2 nd	48' - 51'	20 ½		4 · 17		
	51' - 54'	23		3 · 1 ½		
	54' - 57'	19		1 · 5	Puf 3'	
" 4 th	57' - 58' 6"	12 ½		1 · 0	Sand 1'	
	tub cleaning	14 ½		2 · 19 ½		

423

2 · 18 · 23 ½

Value of wash per cub. yard in fence 18 · 3

19 · 5

No. 34^A bore. (Excavation)

Date	Depth	Weight of Core	Fin content of Core	State of Core
Dec: Nov: 12/99	1' to 3'	16	0 3/4 det. 2 1/2	Slilings
	3' - 6'	18	1 - 10	Sand
	6' - 9'	20 1/2	18	"
	9' - 12'	19 1/2	1 - 3	"
	12' - 14'	22 1/2	2 - 4	"
	cleanings	14	1 - 15 1/2	"
		110 1/2	0 - 7 - 5 1/2	

Value of wash per cub. yd in pence. 8²-6.

No. 35^A bore. (Excavation)

Date	Depth	Weight of Core	Fin content of Core	State of Core
Dec: Nov: 13/99	1' to 4'	18	0 3/4 det. 2 1/2	Slilings
	4' - 6'	20	3	"
	6' - 9'	20 1/2	19 1/2	Sand
	9' - 12'	18	3 - 2 1/2	"
	12' - 15'	21	4 - 3	"
	15' - 18'	19 1/2	4 - 22	"
	18' - 21'	19	4 - 18	"
	21' - 24'	16 1/2	2 - 16	"
	24' - 27'	18 1/2	3 - 22 1/2	"
	27' - 30'	18 1/2	4 - 21	"
	30' - 33'	19 1/2	3 - 12 1/2	"

209 1 - 12 - 20

Value of wash per Cub. yd in pence 20²-6.

No. 24³ bore.

Date	Depth ft	Weight of Core lbs	Per cent of Core dry det 200	Strata Column
Nov: 24/99	1 to 3'	16		Sand 8' 6"
	3' - 6'	19½		
- 25 th	6' - 9'	20½		Hard sand 6"
	9' - 12'	19½		Loose sand 1' 6"
- 27 th	12' - 15'	17	3	Brown sand 13' 6"
	15' - 18'	20	1	
	18' - 21'	21	3	
	21' - 24'	20	3	
	24' - 27'	19½	4½	Qty 1'
	27' - 30'	19	1½	Sand 8' 6"
	30' - 33'	16	3	
- 28 th	33' - 36'	15	2	Qty 1'
	36' - 39'	15'	5	Sand 9' 6"
	39' - 42'	15½	1½	
	42' - 45'	13½	2	Qty 6"
	45' - 48'	14	1	Fine sand 5'
	48' - 51'	14	4	Qty 6"
	51' - 54'	19½	7½	Sand 3'
- 29 th	54' - 57'	21	7½	Qty 6"
	57' - 60'	14	3	Sand 17'
	60' - 63'	14½	2	
	63' - 66'	14	2½	

378

0 · 2 · 9

2³ Core Continued.

Date	Depth	Weight of Core	Fm. Content of Core			Mata Crossed
			cu. ft.	wt.	cu.	
	Brought Forward	378	0	2	9	
Nov: 29	66' to 69'	18			5	Dug 3'
	69' - 72'	13			4	Sand 9'
	72' - 75'	18			5	
" 30 th	75' - 78'	13½			4½	
	78' - 81'	12			3½	Dug 6"
	81' - 84'	14½			3½	Puffy sand 2' 6"
	84' - 87'	16			5	Sand 4' 6"
	87' - 90'	16½			4	Dug 3'
	90' - 93'	16			3	Puffy sand 16'
Dec: 1 st	93' - 96'	20			7	
	96' - 99'	15			3½	
	99' - 102'	18			6	Sand 2'
" 2 nd	102' - 105'	14			5½	Dug 2'
	105' - 108'	6		trace		Sand 2' 6"
	108' - 111'	16			6	
	111' - 114'	19		2	18	yellow sand gravel 2'
	114' - 117'	16		1	22	white puffy sand 2'
	117' - 120'	13		3	19	
	120' - 120' 6"	12		16	19	yellow sand 1'
	Tub cleaning	20		1	15	

684½ 1 · 11 · 23½

Value of wash per cub. yard in pence. 6.5.

N^o. 25 bore.

Date	Depth	Strata crossed.	
Dec: 5 th /99	1' to 24 ^{ft}	Red clay	12'
" 6 th	24' - 28'	Clay	1' 6"
" 7 th	48' - 75'	Light sand	4' 6"
" 8 th	75' - 90'	Puggy sand	3' 6"
" 9 th	90' - 96'	Clay	6'
" 11 th	96 - 104'	Puggy sand	2'
		Red sand	1' 6"
		Fine white sand	4'
		Puggy sand	1'
		Clay	2'
		Light sand	7' 6"
		Black pug	13'
		Black sand	4'
		Black pug	9'
		Sand	7' 6"
		Black pug	9'
		Sand	10'
		Black pug	6'

This bore & N^o. 26 were sunk at W. end of Ch. Pyram prospecting area
 no cores were weighed as there was no tin in them but quantities
 of iron pyrites (fine) is distributed through the sand.

Bore was discontinued at 104' without having bottomed.

Date	Depth	Strata Crossed	
Dec: 5 th /99	1' to 27'	Clay	13'
- 6 th	27' - 54'	Putg	4'
- 7 th	54' - 63'	Fine sand	9'
- 8 th	63' - 75'	Sand	7'
- 9 th	75' - 87'	Puffy sand	6'
- 11 th	87' - 99'	Putg	3'
- 12 th	99' - 104'	Sand	6'
- 13 th	104' - 114'	Loose sand	3'
		Hard puffy sand	9'
		Loose sand	5'
		Bluish sand	6' 6"
		Black putg	1'
		Bluish sand	8'
		Putg	1'
		Sand	3' 6"
		Putg	7'
		Sand	1' 6"
		Gravel	3'
		Hard sand	8'
		Sand	4' 6"
		Black sand	5'
		Gravel reef	114' 3'

No core was brought as they contained no Fin. only fine iron pyrites.
 Also the black putg contained decayed organic matter.

No. 36^A bore

Date	Depth <small>ft</small>	Weight of core <small>lb</small>	Fin contents of core		State correct.	
			<small>gr</small>	<small>grs</small>		
Dec: 13/99	1' - 3'	8½		4	Dark sand 6'	
	3' - 6'	15½		1½		
	6' - 9'	20			Pug 16'	
	9' - 12'	19				
	12' - 15'	18				
	15' - 18'	19				
	18' - 21'	19				
	21' - 24'	20			Fin sand 2'	
	24' - 27'	20½			Pug 6'	
	27' - 30'	16½			Fin sand 4'	
	- 14 th	30' - 33'	16		13	
		33' - 36'	18½	1	19	
		36' - 39'	18		23½	Puggy sand 3'
		39' - 42'	20½		15½	
42' - 45'		17		18	Fin sand 17'	
45' - 48'		18		18		
48' - 51'		19	2	7½		
51' - 54'	18½	1	18			
cleaning	10		2	17		
Sub cleaning	14½			20		

346 0 · 13 · 7

Value of wash per cub. yard in place 5⁰⁰

No 27 bore (Lease 4112)

Date	Depth	Weight of Core	Fin contents of core	Strata crossed.
Dec: 14/99	1' to 3'	2 ½	of ash 24	Surface sand 3'
	3' - 6'	15 ½		Yellow sand 3'
	6' - 9'	20		Puggy sand 1'
	9' - 12'	24		Brown sand 2'
	12' - 15'	23		Sand 8'
	15' - 18'	21		Yellow sand 2' 6"
	18' - 21'	23		14 ½ Sand of sand 1' 6"
		129		14 ½

Additional Bores started. 10th July 1902.
on Richer Area. (Lease 938.)

No. 37A.

Date	Depth	Weight of Core	Tin contents of Core oz. dwt. grs.	Strata crossed.
10 July 02	1' to 3'	30	1 . 1	3 ft Surface sand & top
11 "	3' - 6'	25	3 . 7	2 ft Cement
" "	6' - 9'	40	2 . 17	3 - puffy sand
" "	9' - 12'	54	2 . 14	7 " brown sand
12 "	12' - 15'	22	2 . 6	9 " " "
" "	15' - 18'	25	3 . 0	" " "
" "	18' - 21'	19	1 . 2	" " "
13 "	21' - 24'	23	2 . 8	24 - brown sand
14 "	24' - 27'	27	2 . 4	" " "
" "	27' - 30'	23	1 . 20	Pebbles
" "	30' - 33'	21	18	do
15 "	33' - 36'	22	1 . 8	" " "
" "	36' - 39'	20	2 . 15	" " "
16 "	39' - 42'	16	1 . 5	" " "
" "	42' - 45'	14 $\frac{1}{2}$	17	" " "
17 "	45' - 48'	12	2 . 1	" " "
" "	48' - 51'	19	4 . 18	12' Puffy sand
" "	51' - 54'	18	4 . 10	coarser tin "
18 "	54' - 57'	20	2 . 6	" " "
" "	57' - 60'	15 ⁴	1 " 4	" " "
		465	2 . 3 . 13	

Date	Depth	Weight of core	Sin Contents of Core			Strata Crossed.	
			oz.	dwt.	gr.		
		465	2	3	13		
19 July 02	60' to 63'	23		5	19	Pebbles 60 to 64' coarse sand	
-	63' - 66'	16		5	9	do - coarse sand "	
21 -	66' - 69'	20		10	13	" " pebbles	
- "	69' - 72'	17		6	7	69' - 78' " "	
- "	72' - 75'	18		12	10	pebbles " "	
22 -	75' - 78'	15		19	19	" " "	
- "	78' - 81'	14		12	1	78' to 81' 6" fine drift	
- "	81' - 84'	14		6	16	81' 6" to 83' pug	
23 -	84' - 87'	18		4	12	83' - 86' puffy sand	
- "	87' to 88' 6"	11		2	5	6" tough pug 86' 6" to 88' 6" tough puffy sand	
	cleanings	17		11	20	2' 6" soft compact green paint	
		648		7	1	0	

Weight of Sin in grains per 12 lbs drift 62.64

Volume per cub. ft of drift (old basis) 28.6²

Sin contents per cub. ft 2.723 lbs stream Sin

Total depth bored 91'

Cost per foot

Labor { 3.026
 Hire of Plant { 4.83 = 7.856
 @ 20¢ each.

Drift intersected was all good showing ground them being no hard element - very little pug.

New 9 dwt. 3 gr.

✓ No. 38^a off Richer Area (Leau 292)

Date	Depth	Weight of Core lbs.	Fin content of core g. dw. g.	Strata Crossed.
24 July 1902	1' to 3'	19	3	1 to 3' Surface sand + turf.
"	3' - 6'	17	6	3' - 5' Hard cement
"	6' - 9'	21	10	5' - 10' Fine brown drift
"	9' - 12'	19	12	10' to 20' Hard black cement
25 th	12' - 15'	18	18	"
"	15' - 18'	22	6	"
"	18' - 21'	17	11	20' to 30' Fine tight drift
"	21' - 24'	23	20	"
"	24' - 27'	25	11	"
"	27' - 30'	21	12	"
"	30' - 33'	17	14	30' to 34' Coarser brown sand.
26 th	33' - 36'	20	1 - 0	34' - 36' Fine " drift
"	36' - 39'	17	9	36' - 39' Coarser brown sand
"	39' - 42'	15	1 - 12	39' - 44' Fine fuggy ^{sand} drift
"	42' - 45'	16	8 - 17	44' - 45' Pug
28 th	45' - 48'	19	9 - 9	45' - 54' Soft granite boulders
"	48' - 51'	15	3 - 6	and fuggy sand
"	51' - 54'	16	2 - 9	"
"	54' - 56'	20	1 - 11	"
Cleaning		13	3 - 22	

370

1 - 17 - 2

Weight of Si in grains per 12 lb of drift 29.40

Value of drift per cub. yd. (old basis) 13.3

Si Contents per cub. yd. 1.266 lbs. Steam Si

Total depth bored 56 ft.

Cost per foot.

Labor

1.94

Hire of Plant

2.85

⁵
= 2/0.25

12 ft. of Hard Cement was inserted necessitating
using a bit instead of usual sand auger.

No. 39^A (Lease 938)

Date	Depth	Weight of core lbs	Tin Contents of Core			Strata Crossed.	
			oz.	dist.	grs.		
29 July	1' to 3'	19			13	1 to 2' Surf. surface sand	
"	3' - 6'	16			8	2' - 5' Cement	
30 "	6' - 9'	19			12	5' - 6' Loose fine brown drift	
"	9' - 12'	17			5	6' - 8' Cement	
31 "	12' - 15'	18			8	8' - 13' Fine brown drift	
"	15' - 18'	25			19	13' - 24' Brown sand	
"	18' - 21'	19			11	21'	
"	21' - 24'	20		1	2	24' - 28' Loose sand	
"	24' - 27'	17		1	12		
1 Aug:	27' - 30'	17		1	2	28' - 29' Coarse sand	
"	30' - 33'	18		1	15	29' - 44' Brown sand	
"	33' - 36'	17		4	2	" "	
"	36' - 39'	18		2	4	" "	
"	39' - 42'	16		1	1	" ^{3/4} "	
2 "	42' - 45'	15			21	44' - 45' Fine drift	
"	45' - 48'	19		1	5	45' - 51' Brown sand	
"	48' - 51'	21		5	5	8 " "	
4 ^d "	51' - 54'	12		1	4	51' - 52' Coarse sand	
"	54' - 57'	15		3	14	52' - 53' Pug	
5 ^d "	57' - 60'	19		5	12	53' - 56' Puggysand	
"	60' - 63'	23		4	6	56' - 60' Sand	
		380		1	17	13	

N^o 39^a continued (Lease 938)

Date	Depth	Weight of core	Pin contents of core	Strata crossed.
		380	1 - 17 - 13	60' - 61' Pug
6 Aug:	63' to 66'	21	2 - 21	61' - 65' Puggy sand
"	66' - 69'	12	2 - 23	65' - 70' Coarse sand
"	69' - 72'	19	3 - 4	70' - 77' Puggy sand
7 th	72' - 75'	15	2 - 10	" "
"	75' - 78'	16	5 - 21	77' - 78' 6" Coarse sand
"	78' - 78' 6"	7	3 - 17	78' 6" - 81' Granite.
	tub cleanings	18	6 - 11	

488 3 - 5 - 0

Weight of Pin frame per 12 lbs drift 38.352

Value of drift per Cub. yd. (old basis) 17.5

Pin contents per Cub. yd. 1.666 lbs Stream Pin

Total depth bored 81'

Cost per foot.

labor	}	2.9.33	= 3/1.77
Use of plant		4.44	

A good deal of rubbish (Sourmeline) with Pin.

No. 40^A Lease 1836.

Date	Depth	Weight of Core lbs.	Pin Content of Core of gr. dust. per cu. ft.	Strata Crossed
8 th Aug.	1' to 3'	17	1 · 2	1' to 4' Surface sand + turf
"	3' - 6'	18	17	4' - 6' Sandy pug
"	6' - 9'	17	2 · 10	6' - 6'6" Pug
"	9' - 12'	17	1 · 12	6'6" - 9' Fine sand
9 th "	12' - 15'	22	16	9' - 14' Sand
"	15' - 18'	19	6	14' - 14'6" Pug
"	18' - 21'	14	14	14'6" - 17' Coarse sand
"	21' - 24'	18	10 · 4	17' - 23'6" fine white sand.
"	24' - 27'	19	4 · 21	23'6" - 24' Pug
"	27' - 30'	16	6 · 8	24' - 35' white drift
11 th "	30' - 33'	17	5 · 8	" "
"	33' - 36'	17	2 · 19	35' - 36' Puggy sand
"	36' - 39'	21	2 · 6	36' - 38' Loose sand
"	39' - 42'	19	14	38' - 39'6" Coarse sand pyrites
	tub cleanings	6	3 · 6	39'6" - 42' "
	257	257	2 · 2 · 19	3'6" granite soft grey.
Weight of Pin grain per 12 lbs drift				4.8
Value of drift per cub: yd (old basis)				47.04 22.5 ²
Pin Contents per cub: yd.				2.09 lbs Steam Pin

45'6"

Chain
Plant

119.18

2.82

21-

No. 41st Lease 1836.

Date	Depth	Weight of Core lbs.	Pin Contents of Core oz. dwts. grs.	Strata Crossed.
21 Aug	1' to 3"	20	20	1' to 2'6" Surface sand temp.
"	3' - 6'	19	18	2'6" to 8' Cement.
"	6' - 9'	24	1 · 3	8' " 18' tight sand
"	9' - 12'	18	22	18' - 20'6" loose sand
22 "	12' - 15'	25	21	20'6" " 23'6" " "
"	15' - 18'	23	13	" " " "
"	18' - 21'	23	1 · 4	20'6" " 23'6" " "
"	21' - 24'	16	21	" " " "
"	24' - 27'	15	1 · 1	23'6" " 27'6" fuzzy sand
"	27' - 30'	17	18	27'6" " 34' fine drift
23 "	30' - 33'	17	10	" " " "
"	33' - 36'	19	11	34' " 36' fuzzy drift
"	36' - 39'	23	12	36' - 44' loose brown sand
25 "	39' - 42'	23	2 · 5	" " " "
"	42' - 45'	25	1 · 3 · 9	44' " 46' fine white drift
26 "	45' - 48'	24	7 · 4	46' " 53' coarse loose sand.
"	48' - 51'	22	1 · 18	" " " "
"	51' - 54'	23	1 · 0	53' - 61' medium sand.
27 "	54' - 57'	22	2 · 5	" " " "
"	57' - 60'	21	4 · 21	" " " "
"	60' - 63'	22	10 · 11	61' - 65' drift
		441	3 · 3 · 7	

No. 41^A. Lease 1836.

Date	Depth	Weight of core lbs	Si. content per cu. ft. of core	Strata Crossed.
		441	3 · 3 · 7	
28 th Aug:	63' - 66'	20	8 · 13	63' - 67' Coarse sand frame
"	66' - 67'	10	3 · 0	3' granite
	tub cleanings	13	4 · 18	

484 3 · 19 · 14

Weight of Si per 12 lbs digst 47.35 grs

Value of digst per cub. ft. (old basis) 21.6

Si content per cub. ft. 205 lbs Steam Si.

Cost per foot	Labour	2 · 3 · 85	} 2/7 · 56
	Hire	3 · 71	

Total depth bored 70'

58'6" Labor 244.2
 Mine 376 2/7 96

No. 42ⁿ Lean 938.

Date 1902	Depth	Weight of core lbs	Min Content of core gr. det. per cu	Strata Crossed.
28 ^d Aug:	1' to 3'	25	7	1 to 2' Sugar sand + turf.
29 ^d "	3' - 6'	13	10	2' - 4' 6" Cement
"	6' - 9'	25	7 · 7	4' 6" - 7' 6" Coarse sand
"	9' - 12'	18	4 · 3	7' 6" - 9' Sand.
"	12' - 15'	18	3 · 10	9' - 13' Puffy sand
"	15' - 18'	17	2 · 2	13' - 16' 6" drift
30 ^d "	18' - 21'	23	2 · 18	16' 6" - 20' 6" Sand
"	21' - 24'	23	4 · 8	20' 6" - 28' 6" loose sand.
"	24' - 27'	23	1 · 6 · 0	" "
1 Sept:	27' - 30'	21	8 · 2	28' 6" - 35' Sand.
"	30' - 33'	17	2 · 21	" "
"	33' - 36'	17	1 · 9	35' - 39' Coarse sand pebbles
"	36' - 39'	18	4 · 23	" "
"	39' - 42'	21	5 · 10	39' - 44' drift.
2 ^d "	42' - 45'	23	3 · 9	44' - 48' 6" loose Coarse sand.
"	45' - 48'	20	3 · 17	48' 6" - 52' Coarse sand
"	48' - 51'	15	3 · 4	52' - 56' 6" Coarse loose sand pebbles
3 ^d "	51' - 54'	15	3 · 10	" "
"	54' - 56' 6"	19	1 · 21	" "
	tab. cleanings	12	7 · 11	2 ft into white granite.

383 4 · 16 · 10

Weight of Fin per 12 lb drift 72.492 grs. Value per cub: ft (old basis) 33.1⁰
 Fin content per cub: ft. 3.15 lbs stream Fin.

No 43^A Lease 4419

Date	Depth	Weight of Core lbs	Pine contents of core oz. dust. grs	Strata Crossed.
4 th Sept:	1' to 3'	17	23	1 to 0'6" Surf + surface sand
" "	3' - 6'	21	1 - 21	4'6" - 9' Brown cement
5 th "	6' - 9'	11	2 - 19	9' " " "
"	9' - 12'	12	2 - 9	9' - 20' fuzzy sand
"	12' - 15'	12	1 - 13	20' - 21' Pug.
"	15' - 18'	17	1 - 1	21' - 26' Fine drift.
"	18' - 21'	18	1 - 1	
"	21' - 24'	21	8	
"	24' - 26'	15	4 - 12	
	tub cleanings	6	17	2' granite

150

17 - 4

Weight of Pine per 12 lbs drift 32.952

Value of drift per Cub: yd (old basis) 15.0

Pine Content per Cub: yd. 1.428 lbs Steam Pine.

Cost per foot

Labor

Hire

1/9.00

2.85

2/0.27

Total depth bored. 28'

No. 44^A Lease 4419

Date	Depth	Weight of core lbs	Fin. Content of Core oz. dust. per cu.	Strata Crossed.
8 th Sept.	1' to 3'	13	3	1' to 2' 6" Surface sand + turf.
"	3' - 6'	17	4	2' 6" - 3' 6" Clay.
"	6' - 9'	19	14	3' 6" - 10' Medium drift.
"	9' - 12'	18	6	10' - 11' Puggy sand.
"	12' - 15'	15	3	11' - 12' Pug.
9 th	15' - 18'	14	7	12' - 30' Drift
"	18' - 21'	13	4	" " "
"	21' - 24'	11	6	" " "
"	24' - 27'	15	4	" " "
"	27' - 30'	13	4	30' - 34' Pug
"	30' - 33'	23	11	" " "
10 th	33' - 36'	23	13	34' - 39' Coarse sand
"	36' - 39'	21	16	" " "
11 th	39' - 42'	16	7	39' - 43' 6" Medium drift.
"	42' - 45'	22	10	43' 6" - 46' Fine puggy drift
12 th	45' - 48'	20	3	46' - 48' 6" Pug
15 th	48' - 51'	17	4	48' 6" - 62' White sand.
"	51' - 54'	19	14	6' " "
20 th	54' - 57'	15	6	" " "
"	57' - 60'	17	6	" " "
22 nd	60' - 63'	14	7	62' - 67' Coarse sand.
		355	0 - 6 - 8	

✓ No 44^a. Continued.

Date	Depth	Weight of Core lbs	Sim Content of Core oz. dust. per	Strata Crossed
		355	6. 8	
22 nd Sept:	63' - 66'	17	13	67' - 68'
23 rd "	66' - 69'	15	12	67' - 68' Puggy sand.
"	69' - 72'	16	17	68' - 80' Coarse sand.
24 th "	72' - 75'	14	5. 2	16" into granite.
"	75' - 78'	15	2. 23	
25 th "	78' - 80'	9	6. 19	
	cleanings	13	1. 20	

454 1. 4. 18

Weight of Sim per 12 lbs drift 15.6

Value of drift per Cub: yd: (old basin) 7.1⁰

Sim Content per Cub: yd. .675 lbs Stream Sim

Cost per foot	Labour	3/6.3	} 4/2.9
	Min	8.58	

No. 45^A Lease 4419

Date	Depth	Weight of core lbs	No. Contents of core g. dist. ft.	Strata Corred.
25 ¹⁹⁰² Sept	1' to 3'	17	1	1 to 6' Fine drift
"	3' - 6'	21	4	" "
26 ¹⁹⁰² "	6' - 9'	15	13	6' to 8' Coarse sand
"	9' - 12'	17	6	8' - 12' Medium drift
"	12' - 15'	19	22	12' - 13' Pug
27 ¹⁹⁰² "	15' - 18'	18	5	13' - 14' White drift
"	18' - 21'	16	7	17' - 18' Pug
"	21' - 24'	22	6	18' - 31' Medium drift
29 ¹⁹⁰² "	24' - 27'	16	3	" "
"	27' - 30'	14	3	" "
"	30' - 33'	12	1 - 6	31' - 41' Fine drift Sand.
"	33' - 36'	14	6 - 13	" "
30 ¹⁹⁰² "	36' - 39'	15	2 - 12	" "
"	39' - 42'	17	2 - 7	41' - 43' Coarse sand
1 Oct.	42' - 45'	19	1 - 5	43' - 44' Pug
"	45' - 48'	17	20	44' - 52' Medium drift
2 "	48' - 51'	13	6	" "
"	51' - 54'	13	4	52' - 56' Coarse sand
3 ¹⁹⁰² "	54' - 57'	11	3	56' - 59' Medium drift
"	57' - 60'	15	1 - 15	59' - 75' Fine puggy drift
"	60' - 63'	13	3 - 16	" "

No. 45^A (Continued.)

Date	Depth	Weight of Core lbs	Tin Content of Core gr. dust. per	Strata Crossed
		334	1. 3. 9	
4 th Oct.	63' - 66'	12	5. 8	Fine puggy drift.
"	66' - 69'	11	3. 22	-
"	69' - 72'	12	3. 20	-
6 th "	72' - 75'	12	14. 6	-
"	75' - 78'	14	11. 16	Coarse sand pebbles.
	tub cleanings	16	7. 0	into soft yellow granite hollow.
		411	3. 9. 9	

Weight of Tin per 12 lbs drift 48.6

Value of drift per Cub. yd. (old basis) 22.25

Tin Content per Cub. yd. 2.11 lbs.

	Labor	3. 07	} 3/4-88.
Cost for book	Time	4. 81	

No. 46^A Lease 1449.

Date 1902	Depth	Weight of Core lb.	Size Content of Core oz. dwt. gr.	Strata crossed.
Oct. 7 ^d	1' to 3'	15	6	1' to 2' 6" Surface sand.
" 8 ^d	3' - 6'	12	4	2' 6" to 22' Cement
"	6' - 9'	16	7	" "
"	9' - 12'	16	1 - 2	" "
9 ^d	12' - 15'	17	1 - 23	" "
"	15' - 18'	19	1 - 13	" "
"	18' - 21'	19	1 - 2	" "
10 ^d	21' - 24'	19	15	22' - 38' 6" Medium hard brown cement.
"	24' - 27'	19	2 - 2	" "
"	27' - 30'	18	13 - 10	" "
"	30' - 33'	13	8 - 3	" "
"	33' - 36'	17	3 - 13	" "
11 ^d	36' - 39'	14	2 - 11	38' 6" to 42' 6" Coarse brown sand.
"	39' - 42'	15	17 - 12	" "
"	42' - 45'	17	4 - 14	42' 6" - 49' Fine brown sand.
13 ^d	45' - 48'	12	1 - 21	" "
"	48' - 51'	17	1 - 15	49' - 51' Brown sand.
"	51' - 54'	16	23	51' - 55' Loose brown sand.
14 ^d	54' - 57'	14	1 - 10	55' - 66' Loose sand
"	57' - 60'	20	22	" "
		325	3 - 5 - 12	

No. 47^A Lease 1449

Date	Depth	Weight of Core lbs	Sp. content of core B. wt. for	Strata Crossed
17 th ¹⁹⁰² Oct.	1' to 3'	16	8	1' to 3' Surface sand.
"	3' - 6'	20	1. 1	3' - 6' Hard yellow cement
"	6' - 9'	20	15	6' - 10' Hard brown "
18 th "	9' - 12'	20	4	10' - 13' 6" Brown cement.
20 th "	12' - 15'	18	1. 18	13' 6" - 15' 6" Puffy sand.
"	15' - 18'	17	22	15' 6" - 21' Medium sand
"	18' - 21'	18	10	" "
"	21' - 24'	17	5	21' - 25' Puffy sand.
"	24' - 27'	15	2. 22	25' - 28' Medium sand.
21 st "	27' - 30'	15	9. 0	28' - 35' Coarse sand.
"	30' - 33'	18	3. 18	" "
"	33' - 36'	20	3. 12	35' - 40' Fine sand.
"	36' - 39'	19	2. 7	" "
"	39' - 42'	17	1. 22	40' - 51' Brown sand.
22 nd "	42' - 45'	19	1. 17	" "
"	45' - 48'	16	7. 9	" "
"	48' - 51'	18	11. 0	" "
23 rd "	51' - 54'	19	6. 22	51' - 53' 6" Loose coarse sand.
"	54' - 57'	17	2. 17	53' 6" - 57' 6" Medium sand.
"	57' - 60'	18	4. 16	57' 6" - 65' 6" Fine sand.
24 th "	60' - 63	14	2. 4	" "
		371	3. 7. 9	

No 48^A

Date	Depth	Weight of Core lbs	Fin Content of core g. dust. gr	Strata Crossed.
27 Oct.	1' to 3'	24	22	1' to 3' Surface sand.
28 "	3' - 6'	21	18	3' - 11' Hard Cement
"	6' - 9'	21	11	11' - 26' Cement 8' - 15'
"	9' - 12'	21	21	26' "
29 "	12' - 15'	24	20	" "
"	15' - 18'	23	12	" "
"	18' - 21'	21	2. 0	" "
"	21' - 24'	20	8. 2.	" "
"	24' - 27'	19	4. 17	26' - 27' Hard Cement.
30 ^d "	27' - 30'	22	1. 9	27' - 31' Fine sand
"	30' - 33'	22	2. 0	31' - 37' Loose coarse sand.
31 ^d "	33' - 36'	23	1. 6	" "
"	36' - 39'	20	17	37' - 46' 6" Sand.
"	39' - 42'	17	3. 9	" "
3 ^d Nov.	42' - 45'	20	15	" "
"	45' - 48'	19	9. 1	46' 6" - 48' 6" Fine sand.
"	48' - 51'	20	3. 18. 20	48' 6" - 49' Pug
4 ^d "	51' - 54'	22	6. 22	49' - 55' Sand.
"	54' - 57'	22	4. 19	55' - 58' Loose coarse sand.
"	57' - 60'	19	10. 20	58' - 62' Sand
5 ^d "	60' - 63'	15	10. 23	62' - 63' Puffy sand.
		435	7. 9. 20	

No. 48^A Continued

Date	Depth	Weight of Core lbs	Tin contents of core oz. av. per cu. ft.	Strata Crossed.
		435	7. 9. 20	
5 th Nov: 5 th Oct.	63' to 66'	17	6. 6	66' - 67' Fine sand.
6 th "	66' - 69'	13	4. 7	67' - 71' 6" Sand
"	69' - 72'	15	2. 21	71' 6" - 75' Coarse sand
"	72' - 75'	17	8. 13	75' - 77' Sand
7 th "	75' - 78'	23	6. 10	77' - 82' Loose coarse sand.
"	78' - 81'	20	1. 10	82' - 85' Fine sand.
8 th "	81' - 84'	20	4. 14	85' - 87' Puffy sand.
10 th Nov:	84' - 87'	18	3. 20	1' into granite
	cleanings	15	8. 3	
		593	9. 16. 4	

Weight of Tin per 12 lbs drift 95.268

Value of drift per cub. ft. (old basis) 43.5

Tin contents per cub. ft. 4.142

Cost per foot	Labor	3/2.52	}	3/7.74
	Hire	5.22		

No. 49^A *Continued*

Date	Depth	Weight of core lbs	The contents of core q. dwt. grs	State Corred.
11 Nov:	1' to 3'	18	18	1' to 3' Surface sand.
"	3' - 6'	16	19	3' - 10' Hard brown cement.
"	6' - 9'	18	1 . 1	10' " "
12 th "	9' - 12'	14	1 . 6	10' to 16' Puggy sand
"	12' - 15'	14	1 . 12	16' - 18' 6" Loose coarse sand
"	15' - 18'	20	1 . 14	" "
13 th "	18' - 21'	17	2 . 18	18' 6" - 24' 6" Medium sand.
"	21' - 24'	19	3 . 14	" "
"	24' - 27'	16	3 . 4	24' 6" - 29' Fine sand.
"	27' - 30'	24	2 . 0	29' - 30' 6" Loose coarse sand.
14 th "	30' - 33'	18	22	30' 6" - 33' Puggy sand.
"	33' - 36'	17	3 . 12	33' - 39' Loose coarse sand.
"	36' - 39'	15	1 . 3	39' - 41' 6" Medium sand.
15 th "	39' - 42'	17	13 . 16	41' 6" - 46' 6" Fine sand.
"	42' - 45'	15	1 . 11	" "
"	45' - 48'	22	6 . 6	46' 6" - 50' 6" Coarse sand.
17 th "	48' - 51'	17	14 . 10	50' 6" - 53' Loose sand.
"	51' - 54'	23	7 . 6	53' - 57' Fine sand.
18 th "	54' - 57'	21	1 . 1 . 10	57' - 60' 6" Medium sand.
"	57' - 60'	20	7 . 22	" "
"	60' - 63'	20	5 . 0	60' 6" - 65' 6" Fine puggy sand.
		381	5 . 1 . 8	

No 51^A

Date	Depth	Weight of core lbs.	Fin contents of core oz. dust. geo	State crossed.
29 Nov	1' to 3'	25	1 . 5	1' to 2'6" Superficial sand.
" 1902	3' - 6'	25	1 . 23	2'6" - 6' Hard brown cement.
"	6' - 9'	18	11	6' - 12' Light yellow drift
1 Dec:	9' - 12'	20	21	" "
"	12' - 15'	23	8 . 10	12' - 16' Loose coarse sand
"	15' - 18'	23	3 . 9	16' - 21'6" Medium sand.
"	18' - 21'	23	13	21'6" - 24' Fine drift
2 ^d "	21' - 24'	20	19	" "
"	24' - 27'	24	1 . 0	24' - 35' Medium sand.
"	27' - 30'	24	1 . 14	" "
"	30' - 33'	24	14 . 18	" "
3 "	33' - 36'	19	2 . 5	35' - 41' Fine sand.
"	36' - 39'	16	1 . 11	" "
"	39' - 42'	21	7 . 6	41' - 50'6" Medium sand.
"	42' - 45'	21	4 . 12	" "
4 ^d "	45' - 48'	24	4 . 2	" "
"	48' - 51'	20	2 . 1	" "
5 ^d "	51' - 54'	23	8 . 15	50'6" - 53' Fine sand.
"	54' - 57'	25	6 . 0	53' - 57' Coarse sand
"	57' - 60	25	4 . 5	57' - 64'6" Medium sand.
		443	3 . 15 . 8	

No. 52^A

Date	Depth	Weight of core lbs.	Size contents of core q. dwt. grs	Strata Crossed.
10 Dec:	1' to 3'	17	11	1' to 3' 6" Fine drift
11 th	3' - 6'	20	20	3' 6" - 7' 6" Brown Cement
"	6' - 9'	18	1 · 9	7' 6" - 9' Loose coarse sand
"	9' - 12'	18	16	9' - 10' Puffy sand
"	12' - 15'	20	1 · 23	10' - 16' Medium sand
"	15' - 18'	23	10	16' - 17' Pug
"	18' - 21'	18	1 · 13	17' - 31' Medium sand
12 th	21' - 24'	24	19	" "
"	24' - 27'	21	2 · 15	" "
"	27' - 30'	19	19 · 11	" "
"	30' - 33'	18	4 · 20	31' - 34' Coarse sand.
13 th	33' - 36'	18	2 · 3	34' - 35' Pug
"	36' - 39'	20	1 · 4	35' - 48' Medium sand
"	39' - 42'	24	1 · 12	" "
15 th	42' - 45'	24	4 · 7	" "
"	45' - 48'	21	4 · 10	" "
"	48' - 51'	21	2 · 7 · 22	48' - 55' Buff boulder wash
16 th	51' - 54'	25	1 · 5 · 0	" coarse sand
"	54' - 57'	15	2 · 17	55' - 61' fine coarse sand
"	57' - 60'	10	3 · 9	" "
"	60' - 61'	6	1 · 7	2' into white fine.
	cleaning	9	6 · 7 ₂	
		<u>409</u>	<u>60 · 114 · 20</u>	

N^o 52^A. Continued

Weight of Tin per 12 lbs digst 94.92
 Value of digst per cub. ft (old basis) 43.5²
 Tin content per cub. ft. 4.1420 lbs.

Boring Cost per ft	Labour	2/2-19	} 2/5-68.
	Stic	3-49	

No. 53^A

Date	Depth	Weight of core lbs	Fin content of core g. dust. ft.	Notes Crossed.
19 Dec.	1' - 3'	17	6	1 to 5' Sediment drift
"	3' - 6'	15	2	5' - 12' Medium sand
"	6' - 9'	18	6. 15	" "
"	9' - 12'	22	3. 12	" "
20 -	12' - 15'	20	1. 0	12' - 14' 6" Puggy sand
"	15' - 18'	20	14	14' 6" - 17' 6" Fine drift
"	18' - 21'	18	1. 2	17' 6" - 18' Pug
"	21' - 24'	25	2. 20	18' - 23' Fine sand
22 -	24' - 27'	16	13	23' - 35' Medium drift
"	27' - 30'	24	1. 23	35' - 38' Coarse sand
"	30' - 33'	19	7	" "
"	33' - 36'	19	1. 0	" "
"	36' - 39'	20	18	38' - 39' Pug
"	39' - 42'	17	1. 8	39' - 45' Puggy sand
23 -	42' - 45'	21	2. 6	" "
"	45' - 48'	14	3. 17	45' - 47' Coarse sand
"	48' - 51'	22	1. 6	47' - 48' Pug
"	51' - 54'	22	15	48' - 52' Medium drift
"	54' - 57'	23	9	52' - 60' Loose sand
"	57' - 60'	23	1. 0	60' - 62' Medium sand
24 -	60' - 62'	12	16	" "
	Cleanings	8	1. 23	1' into white granite.

415

1. 13. 16

Weight of Tin per 12 lbs drift 23.28

Value of drift per cub: ft (old basis) 70.65

Tin content per cub: ft 1.01 lbs.

Boring cost per ft.

Labor 1/11.8

Time 2.54

} 2/2.33

No 55^A in workings No 1 Paddock.

Date	Depth	Cubic contents in ft	Weight of Stream Fine	Strata intersected
May 24	1' to 6'	.3	3 dwl. gr 17	Puffy sand 6'
"	6' - 12'	.6	4. 22	Sand 4'
"	12' - 18'	.4	7. 12	Puffy sand 2'
				Sand 2'
		1.3	13. 3	granite 4'
				Total depth bored 18'

Min contents per Cub: ft .934 lbs

Value of dust per Cub: ft (old basis) 9.8

" " " " " " (See 2/180) 12.6

Labor } 1/6.88

Boring Cost per foot Mine of Plant } 2.22 1/9.1

56^A Long V. Trans G. Intercellion.

Date	Depth.	Cubic Contents ft.	Weight of Steam in ^{cu} ft.	Strata Intercellion.
May 25	1 to 6'	.7	1.18	Sand 4'
"	6 " 12'	.5	1.6	Concrete sand 9' 6"
"	12 " 18'	.5	1.0	Sand 6"
"	18 " 24'	.33	2.12	Puffy sand 2'
"	24 " 30'	.6	1.19	Pebbles 1'
" 26	30 " 36'	.3	3	Sand 4'
"	36 " 42'	.3	10	Pug 6"
28	Heaving tubes			Pebby sand 11' 6"
				Puffy sand 20'
		3.23	8.20	Gravel 6'

Total depth bored 52'

Fin content per Cub: ft. .253 lbs

Value of dust per Cub: ft. (old basis) 2.6

" " " " " (Gen. # 180) 3.4

labor 1/4.617

Boring cost per foot Here of Plant 2.3 } 1/9.91

Tubed down to 26'

57 A.

Date	Depth	Cubic Content	Weight of Steam Pin 5 dist. ft	Strata Penetrated.
May 29	1' to 6'	.33	15	Sand 3' 6"
"	6' - 12'	.25	23	Cement 2' 6"
"	12' - 18'	.33	10	Hard sand 14' 0"
30	18' - 24'	.4	2. 3	" " 15' 0"
"	24' - 30'	.6	3. 4	" " 20' 0"
31	30' - 36'	.6	6. 2	Loose sand 20' 0"
"	36' - 42'	.53	6. 4	Hard sand 1' 0"
"	42' - 48'	.53	3. 12	
June 1	48' - 54'	.4	14. 16	
	54' - 60'	.53	1. 11. 14	
	60' - 66'	.5	3. 18	Passes down to 35' ft
June 2 nd	66' - 72'	.4	1. 7	
"	72' - 78'	.3	3. 12	
"	78' - 80' 6"	.23	1. 18. 12	Total depth bored 82' 6"
		5.93	5.16. 8	

5-17-3

Pin Content per Cub: ft 1.816
+659 lbs

Value of dist per Cub: ft (old basis) 19⁰

" " " " " (New of 180) 22.3

labor 1/8.6 } 1/11

Boring cost per foot Here of Plant 2.4

58^A

Date	Depth	Cubic Content ft.	Weight of Neum Fin		Strata Intercut
			lb.	oz.	
1906 June 4	1' - 6'	.4		10	loose sand 3' 6"
" "	6' - 12'	.25	1	1	Cement 3'
" "	12' - 18'	.6	17	0	Hard sand 10' 6"
" 5	18' - 24'	.55	4	16	" " 13'
" 6 th	24' - 30'	.65	4	9	" " 19'
" 6 th	30' - 36'	.4	1	14	" " 14'
" 6	36' - 42'	.23	1	0	" " 2'
" 7	42' - 48'	.23	3	6	Pea 4'
" "	48' - 54'	.3	2	0	Dark sand 3' 6"
" "	54' - 60'	.2	1	7	Gravel Yellow 2' 6"
" 8	60' - 66'	.3	1	9	
" "	66' - 72'	.25	1	10	
" "	72' - 78'	.4	15	21	Total depth bored 78 ft
	cleaning	.1	2	22	
		4.86	2	18	0

Fin Content per Cub: ft ⁽²⁻¹⁸⁻¹²⁾ 1.104 lbs.

Value of depth per Cub: ft (all items) 11.6

" " " " " " (Fin $\frac{1}{2}$ 180) 14.9

Boring cost per ft Labor 1/9.79 } 2/0.35
 Hire of Plant 2.56 }

59^A

Date	Depth	Cubic Contents ft.	Weight of Stream Fin 3. dent. gr	Strata Intersected
1906 June 9	1' to 6'	.45	4	Loose sand 12' 6"
" 11	6' - 12'	.31	3.	Black Hard sand 1' 6"
" "	12' - 18'	.53	3. 19	Hard sand 6' 0
" "	18' - 24'	.33	2	Pug 4' 6"
" "	24' - 30'	.33	3	Sand 9' 6"
" 12	30' - 36'	.33	1. 1	do 20' 0
" 13	36' - 42'	.3	1. 21	Pug 1' 0
" "	42' - 48'	.22	2. 12	Sand 7' 0
" "	48' - 54'	.22	2. 6	Pug 1' 0
" "	54' - 60'	.37	2. 12	Sand & pebbles 4' 0
" 14	60' - 66'	.37	1. 6	Pug & sand 11' 0
" "	66' - 72'	.33	1. 22	Granite grey 3' 0
" "	72' - 78'	.22	11. 0	Total depth bored 81'
	cleanings		2. 12	
		4.31	1. 11. 3	

(1-11-12)

Fin Contents per Cub: gal .668 lbs
 Value of diaph per cub: gal (old basin) 7^o
 " " " " " (Test # 180) 9^o
 Boring cost per ft. Labor 1/8-98 } 1/11-45
 Hire of Plant 2-47 }

60^A

Date	Depth	Cubic Content ft	Weight of Steam per cu ft	Strata Intersected
1906 June 15	1' to 6'	.5	12	Coarse sand 2' 6"
" "	6' - 12'	.5	3	Hard Cement 4' 6"
" "	12' - 18'	.4	0	Plug 2' 0
" "	18' - 24'	.22	3	Yellow sandy plug 7' 0
" "	24' - 30'	.22	2	White sandy plug 8' 0
" "	30' - 36'	.12	9	Black sand 5' 0
" 16	36' - 42'	.2	9	" " 4' 0
" "	42' - 48'	.3	1.18	Plug 2' 0
" "	48' - 54'	.5	9.7	Sand 19' 0
" "	54' - 55' 6"	.12	1.13	Sand & pebbles 1' 6
		3.08	14.4	Granite grey 3' 0

(14-11)

Total depth bored 58' 6"

Silt Content per Cub: yd. .425 lbs

Value of depth per Cub: yd (old basin) 4.4

Boring Cost per ft.

Labon	5.6	} 11.62	1/10.98
Price of Plant	1.36		

61^A. Long O. Trans D

Date	Depth	Cubic Content	Weight of Shale in 3' dia 8'	Strata Intersets.
1906 June 18	1' to 6'		0	Loose sand 6' 0"
"	6' - 12'	.4	10	" " 11' 6"
"	12' - 18'	.22	1.6	Gravel grey 2' 6"
		.62	1.16	Total depth bored 20'

Fin Content per Cub: yd. .248 lbs

Value of dirt per Cub: yd (old basis) 2.7

3.4

Boring Cost per ft

Leather } $\frac{1}{5}$ $\frac{1}{7}$
 Hire of Plant } 2 $\frac{1}{1}$

62^A Intumescin Long IV Trans. I

Date	Depth	Cubic contents	Weight of H ₂ O in 3. dist. ft.	Main Intumescin.
1906 June 19	1' to 6'	.33	3.19	Loose sand 3'
"	6' - 7'	.1	15	Hard sand 2'
		.43	4.10	Granite blocks 8'

Total depth bored 13 ft.

Pie contents per cub: gal. .95 lbs
 Value of dist. per cub: gal (all water) 9.975
 12.725

Boring Cost per ft.

Labour 2/2-15 2/5-22
 Hire of plant. 3-07

63^A Intermittent Long IV Plain J

Date	Depth	Cubic content	Weight of H ₂ O in	Strata Intermittent.
1906 June 20	1' 6"	.22	1.0	Loose sand 8'
" "	6' 11"	.4	2.0	Loose Peg-Sand 2'
		.62	3.0	Peggy sand 1'
				Loose gravel 1'

Total depth of loose 12 ft.

Fin Content per cub. ft. .446^s

Value of dirt per cub. ft. (old basis) 4.68^{u. 70^o}

6^o

Boring Cost per ft.

labor 2/4.5 }
 Hire of Plant. 3.3 } 2/7.8^s

64^A Subsection Long Tr. Grand K

Date	Depth	Cubic Content	Weight of St. 9 in	Strata Indicated
1906 June 21	1' to 6'	.33	3 2	Clay 5'
"	6' - 12'	.4	2 13	Sand 30'
"	12' - 18'	.42	1 13	Yellow sand 5'
"	18' - 24'	.6	1 22	Granite blocks 3'
"	24' - 30'	.4	1 15	
22	30' - 36'	.42	18	Total depth bored 43 ft
"	36' - 40'	.40	6	
		2.97	8.17	

St. Content per Cub: ft .271 lbs.

Value of drift per Cub: ft (old basis) 2.84²

3.65²

Boring Cost per ft.

Labor 11.86 }
 Hire of Plant 1.39 } 1/1.25

65^A Intercorrelation Long V Trans. K.

Date	Depth	Cubic Content	Weight of Steam Pin	Strata Intercorrelated
1906 June 22	1' - 6'	.22	2 1	Clay 6' 0"
" "	6' - 12'	.5	4 . 16	Sand 6' 0"
" "	12' - 18'	.42	2 . 15	Clay 1' 0"
" 23	18' - 24'	.33	1	Sand 6' 0"
" "	24' - 30'	.5	4	Clay 6' 6"
" 25	30' - 36'	.65	18	Sand 14' 6"
" 25	36' - 42'	.7	1 . 0	Clay 1' 0"
" 26	42' - 48'	.5	all pyrite 0	Sand 3' 0"
" "	48' - 54'	.45	do 0	Clay 6"
" "	48' - 54'	.45	do 0	Sand 8' 0"
" 27	54' - 60'	.5	do 0	Clay 4' 0"
		4.77	0 . 9 . 7	do Hard 2' 6"

Total depth bored 61 ft

Pin content per cub. ft. .18 lbs (to 18' .59 lbs)

Value of drift per cub. ft. (old basis) 1.89² (6.19²)
2.43³ (7.96)

Boring cost per ft.

Rate 1/10.29 }
Time of plant 2/62 } 2³/0.91

1906

66^a Intension Long V. Trans L

Date	Depth	Cubic Content	Weight of Water in cu. ft.	Strata Intension.
June 27	1' to 6'	.4	11	Clay 6' 0" Peeg 1' 0"
" "	6' - 12'	.57	1.22	Sand 1' 0" Fine Gr Sand 2' 0"
" 28	12' - 18'	.5	1.4	Peeg 1' 0" Yellow Sand 9' 6"
" "	18' - 24'	.8	10	Sand 6' 0" Peeg 2' 0"
" "	24' - 30'	.57	16	Peeg. 1' 0" Black Peeg 1' 0"
" 29	30' - 36'	.57	10	Sand 4' 0" Sandy Peeg 9' 6"
" "	36' - 42'	.53	10	Peeg 1' 0" Sand 4' 0"
" "	42' - 48'	.53	13	Sand 10' 0" Granite 3' 0"
" 30	48' - 54'	.5	6	Peeg. 6"
" "	54' - 60'	.53	10	Sand 3' 6"
July 2	60' - 66'	.65	4	Peeg 1' 0"
" "	66' - 72'	.4	1	Sand 9' 0"
" "	72' - 78'	.33	16	Peeg. 6'
" 3	78' - 84'	.175	6	Sand 6' 0"
" "	84' - 87'	.15	0	Peeg. 6" Sand 7' 0"
		7.2	0.7.19	Total depth bored 90 ft.

Fin Content per Cub: ft .1 lbs

Value of drift per Cub: ft (old basis) 1.05²

1.35²

Doring Cost per ft Labor 1/6.87³
 Hire of Plant 2.25 1/9

1906

67^A Intercutini Long V Trane M.

Date	Depth	Cub. Content	Weight of Stream ρ in		State Intercutini.	
			3	wt. ft.		
July 3	1' - 6'	.4	1	7	Clay	5' 0"
" "	6' - 12'	.72	3	4	Sand	4' 0"
" 4	12' - 18'	.53	1	18	Pug and sand	12' 0"
" "	18' - 24'	.63		10	Sand	21' 0"
" "	24' - 30'	.5		17	Pug	2' 0"
" "	30' - 36'	.53		5	Sand granite boulders	3' 0"
" "	36' - 42'	.5	3	18	Sand Pug	3' 0"
" 5	42' - 48'	.65		18	Sand Pug and sand	4' 0"
" "	48' - 54'	.57		10	Yellow Hard sand	3' 0"
" 6	54' - 60'	.53		9	Sand	4' 0"
" "	60' - 66'	.3		14	Pebbles & sand	3' 6"
" "	66' - 72'	.47		2	Granite	2' 0"
" "	72' - 78'	.43	3	12		
" 7	78' - 84'	.25	3	6		
	84' - 89' 6"	7.01	1	0.6	Total depth bored 89' 6"	

Pin Content per Cub: ft .267 lbs

Value of depth per Cub: ft (old basis) 2.8

3.5

Boring cost per ft labor $\frac{1}{5}$ } $\frac{5}{11}$
 Hire of plant 2 } $\frac{5}{11}$

68^A Intersection Long 000 Truss L

Date	Depth	Cubic Contents	Weight of Steam in lbs	Kind of Material
1906 July 10	1' to 6'		3	Sand 1'
"	6' - 12'			Hard sand 8'
"	12' - 18'			Pug 10'
11	18' - 24'			Fine sand 2' 6"
"	24' - 30'			Sand 3'
"	30' - 36'			Pug 2'
12	36' - 42'			Sand 11' 6"
"	42' - 48'	.33	12	Pug 4' 6"
13	48' - 54'	.33	5	Sand 2' 6"
"	54' - 60'	.3	5	Pug sand 9'
"	60' - 66'	.275	8	" " 23'
14	66' - 72'	.33	3 - 12	Sand 7'
"	72' - 84'	.33	2 - 13	Yellow sand 2'

Total depth bored 86 ft

Boring cost per ft Labor 1/11-72 } 2 1/2 - 51
 Here of plant 2-79 }

69^A Intersection Long 000 Trans ~~M~~.K

Date	Depth	Cubic contents	Weight of Steam 9 in	Strata Intersected
1906 July 16	1' - 56'	.3	7	Reverse Sand 3'
" "	6" - 12'	.4	2	Cement 1'
" 17	12' - 18'	.8	2	Puggy Sand 6'
" "	18' - 24')			Sand 5'
" "	24' - 30'	.7	2	Pug 10'
" 18	30' - 36')			Puggy sand 23'
" "	36' - 42'	.3	1	Sand 3'
" 19	42' - 48'	.4	2	Pug 3'
" "	48' - 54'	.375	1	Sand 30'
" "	54' - 60'	.4	1	Hard sand 4'
" 20	60' - 66'	.37	6	Sand 2'
" "	66' - 72'	.3	7	Yellow sand 1'
" 21	72' - 78'	.27	10.	"
" 23	78' - 84'	.27	4	
" 24	84' - 90'	.27	5	
		5.155	2 . 2	Total depth bored 91 ft.

Sim contents per Cub: gal .037 lbs.

Value of depth per Cub: gal. (old basis) .07

Bring out per ft.

Labor 2/2-17 }
 Hire of Plant. 3-07 } 2/5-24

70^A Intussuscion Long 000 Grams: J

Date	Depth	Cubic Content	Weight of Steam 9 in 3' dist. lb	State Intussuscion.
1906 July 25	1' - 12'	.8	12	Sand 6'
" "	12' - 18'	.5	5	Cement 1'6"
" 26	18' - 24'	.4	4	Sand 2'
" "	24' - 30'	.6	8	Cement 2'6"
" 27	30' - 36'	.6	12	Sandy Pug 2'
" "	36' - 42'	.5	4	Hard Sand 5'
" 28	42' - 48'	.6	14	Roos " 7'
" "	48' - 54'	.57	4	Sand 6'
" "	54' - 60'	.5	17	Pug 2'
" 30	60' - 66'	.45	0	Sand 20'
" "	66' - 78'	.5	5	Pug 6'
" "	78' - 86'	.5	1 . 1 . 0	Sandy Pug 21'
		6.52	1 . 4 . 13	White granite 2'

Total depth bored 83 ft

Pin Content per Cub: ft. .34 lbs.

Value of drift per Cub: ft (old basis) 3.57²

4.25

Boring Cost per ft.

Labor 1/8.48 } 1/10.88
 Hire of Plant. 2.4 }

71^A Subsection Long 000 Truss 1

Date	Depth	Grain Content	Weight of Water per cu. ft.	Moisture Content
1906 July 31	1 to 6'	.33	1 4	poor sand 3'
" "	6' - 12'	.4	5 9	Hard sand 3'
Aug 1	12' - 18'	.55	1 16	poor sand 9'
" "	18' - 24'	.3		log 4'
" 2	24' - 30'	.5	11	poor sand 9'
" "	30' - 36'	.55	4 6	sand 8'
" 3	36' - 46'	all pug.		1219 White Gravel 10'
		2.63	12 22	Total depth bored 52 ft

Fin Content per Cub: ft .454
 Value of depth per Cub: ft (old basis) 4.76
 6.12²

Boring cost per ft Labor 1/10.88 }
 Hire of Plant 2.69 } 2/1.57

73^A Tulemection Long 00 Trans J

Date	Depth	Cubic Content	Weight of Steam Pin	Value Returned.
1906 Aug 4 th	1' - 12'	.55	2.24	Sand 3'
" 6 th	12' - 24'	.9	11	Pug 2'
" "	24' - 30'	.8	17.16	Sand 17'
" "	30' - 36'	.7	15.12	Pug 2'
" 7	36' - 42'	.57	18	Sand 1'-6"
" "	42' - 48'	.6	7.8	Pug 2'
" "	48' - 54'	.53	1.11	Sand 4'-6"
" 8	54' - 60'	.5	2.6	Coars. sand 10'
" "	60' - 72'	.9	16.5	Sand 11'
" 9	72' - 75'	.4	7.12	Yellow Sand 22' " Gravel 2'
		6.45	3.10.15 (3 - 9 - 17)	Total depth bored 77 ft

Pin content per cut: ft 1.004 lbs

Value of depth per cut: ft (old basis) 10.56²

13.5²

Boring cost per ft

labor } 1/4.55 \$
 hire of plant. } 1.94 \$
 1/6.49 \$

74^A Subsection Long oo Trass 1

Date 1906	Depth	Curtain Content	Weight of Mercur. Fin		Meters Inches	
			3	100		
Aug 9 Y Δ 10	1' - 12'	.65	1	0	Surface clay 6'	
" 10	12' - 18'	.57		20	Sand 7'	
" "	18' - 24'	.57	1	9	12	Peeg 2'
" 11	24' - 30'	.44	2	0		Sand 12'
" "	30' - 36'	.33		20		Peeg 9'
" 13	36' - 42'	.25	1	5		Sandy peeg 5'
" "	42' - 54'	.44	2	12		Sand 9'
" 14	54' - 66'	.8	4	18		Yellow sand 14'
		3.97	2	2	15	White sands 2'

(2-2-10) Total depth bored 66ft.

Fin Content per Cub: ft .993 lb

Value of depth per Cub: ft (old basis) 10.42

13.4

Boring Cost per ft

Labn 1/9.9 }
 Hire of plant 2.57 } 2/0.47

76^A Intuscutin Long 0 Drains 1

1906			ft	ft		
Aug 21 st	1' - 12'	1.1	6	8	Surface Clay 4 ft	
23 rd	12' - 18'	.4		16	Sand 10'	
24 th	18' - 24'	.5	2	12	Sand layers of Pug 34'	
"	24' - 30'	.8	17	20	Pug 4'	
"	30' - 36'	.75	1	5	Pug & sand 5' 6"	
25 th	36' - 42'	.65	1	2	White granite 2' 6"	
"	42' - 48'	.6	1	20		
27 th	48' - 54'	.5	10	18		
"	54' - 59'	.2	2	4	0	
		5.5	4	6	5	Total depth bored 60 ft

(4 - 8 - 10)

Pin Content per Cub: yd. 1.451

Value per Cub: yd (old basis) 15.23⁰

19.58

Boring Cost per ft }
 labor 2/10 } 3/2
 Hire of plant 4 }

77^A Section Long O Trans H

Date	Depth	Cubic Content	Weight of Water 9 in	Notes
1906 Aug 28 to 30	1' - 12'	.8	3 lbs. 4.12	Sand & layers of log 13'
31	12' - 18'	.65	1.17	Sand 26'
"	18' - 24'	.5	13	Hard yellow sand 6"
Sept 1	24' - 30'	.5	6	Sand 9' 6"
"	30' - 36'	.575	1.18	Cement 6"
"	36' - 42'	.43	1.9	Sand 7' 6"
3	42' - 48'	.5	6.22	Yellow granite 2'
"	48' - 54'	.5	4.6	
"	54' - 58'	.4	6.18.17	
		4.855	8.0.0	Total depth bored 58 ft.

Fin Content per Cub: ft 3.05 lb

Value per Cub: ft (old basis) 32.025

41.175

Boring cost per ft. Labor 2/11.17 } 3 2/3
 Plus of Plant 4.13 } 3 2/3

78^A ✓ Intension Long. O. Trans J

Date	Depth	Cubic Content	Weight of Steam In	State Intensioned
1906 Sept 4 to 5	1' - 12'	.65	3 ^{int. ft} 3.17	Surface clay 5'
" 6	12' - 18'	.57	2.16	Sand 6 1/2'
" "	18' - 24'	.65	2.9	Yellow sand 6' 6"
" 7	24' - 30'	.6	2.5	Yellow sands 1' 6"
" "	30' - 36'	.7	3.10	
" "	36' - 42'	.7	1.4	
" "	42' - 48'	.6	2.1	
" 8	48' - 54'	.53	11.15	
" "	54' - 60'	.45	8.22	
" "	60' - 66'	.4	1.6.18	
" 10	66' - 75'	.6	1.5.14	
		6.45	4.10.11	Total depth bored 75 ft

(4-12-2)

Grain Content per Cub: yd 1.298 lb

Value per Cub: yd (old basis) 13.629

17.423.

Boring cost per ft.

labor 2/0.93 }
 Hire of Plant 2.93 } 2/3.86

79^A Intension Long: 0 Trans: K

Date	Depth	Cubic contents	Weight of Steam Pin	Notes Intension
1906 Sept 10 ² 11	1' to 12'	.7	3 1.0	Surface clay 5'
" 12	12' - 18'	.6	2.5	Sand 2'
" "	18' - 24'	.55	19	Pug 3'
" "	24' - 30'	.53	21	Sand 26'
" 13	30' - 36'	.55	1.0	Pug 4'
" "	36' - 42'	.5	12	Sand 33'
" "	42' - 48'	.65	1.21	White granite 2
" 14	48' - 54'	.5	8.0	
" "	54' - 60'	.55	2.18	
" 15	60' - 66'	.7	2.2	
" "	66' - 72'	.4	7.11.4	
		6.23	8.12.6	Total depth bored 75 ft.

(8412-20)

Pin contents per Cub: yd ^{2.559} 2.807 lbs

Value per Cub: yd (old basis) ^{26.869} 29.473

34.546

Proving Cost per lb. Labr 2/0.93 } 2/3.86
 Hire of Plant. 2.93 }

81^A Subsection Long O. Grass M.

Date	Depth	Cubic Content	Weight of Water in Ton	Material Retrieved
1906 Sept 22 to 24	1' to 12'	.5	2	Surface clay 5'
"	12' - 18'	.43	1.3	Sand 35'
25	18' - 24'	.4	9	Peog 7'
"	24' - 30'	.4	10	Peogy Sand 4'
"	30' - 36'	.6	2.14	Sand 27.6'
"	36' - 42'	.6	2.22	Gravels 1.6'
26	42' - 54'	.5	8	
"	54' - 60'	.6	8	
"	60' - 66'	.7	10.18	
27	66' - 72'	.65	1.19.0	
"	72' - 78'	.57	1.5.2	
		5.95	4.3.6	Total depth bored 80'

(4-3-14)

Gr Content per Cub: ft 1.295

Value per Cub: ft (oil basin) 13.59'

17.48

Boring cost per ft

Labor 1/9.25 } 1/11.75
 Hire of Plant 2.5 }

82^A Intersection Long O Grass N

Date	Depth	Cubic Content	Weight of Material Fin	State Returned
Sept 28	1' to 12'	.6	3 ^{lb} 1 ^{lb} 5 ^{gr}	Clay 3'
"	12' - 18'	.55	15	Sand 19'
29	18' - 24'	.6	15	Substratum 1'
"	24' - 30'	.65	12	
"	30' - 42'	.7	5 . 16	
"	42' - 48'	.47	1 . 0	
Oct 1	48' - 54'	.6	1 . 0	
"	54' - 60'	.55	15 . 12	
"	60' - 66'	.65	5 . 0	
2	66' - 72'	.55	13 . 12	
"	72' - 78'	.6	6 . 4	
"	78' - 83'	.57	3 . 0	
		7.09	2 . 13 . 19	Total depth bored 83 ft.

2 14-10

Fin Content per Cub. ft .702 lb

Value per Cub. ft (old basis) 7.37²

9.47

Boring Cost per ft

labor 1/4.38 } 1/6.29
 Hire of Plant 1.91 }

83^A Intercorrelation Long. 1 Facies: L

Date	Depth	Cub: Content	Weight of Mass 9 in	Material Encountered.
1906 Oct 30 4	1 - 12'	.9	3 d. 22	Sand bed 4'
"	12 - 18'	.6	1. 14	Clay shale 4'
"	18 - 24'	.6	20	Sand 4'
5	24 - 30'	.45	17	Thin layers of Peg
"	30 - 36'	.5	1. 4	Peg. 2'
"	36 - 42'	.55	16	Soft sh. fragments 1'
6	42 - 48'	.53	4. 12	
"	48 - 54'	.6	2. 6	
"	54 - 60'	.5	15	
8	60 - 66'	.5	1. 16	
"	66 - 72'	.45	1. 20	
9	72 - 78'	.4	3. 2. 12	19 Total depth bored
"	78 - 84'	.45	1. 12. 12	10
		7.03	5. 11. 18	Total depth bored 85 ft.

Fin. Content per Cub: ft 1.47 lb
 Value per Cub: ft (old basis) 15.435⁰

Boring Cost per ft }
 19.845⁰ }
 2/- }
 Item of Plant 2.82 } 2/2.82

84^A Intercorin Long: 1 Faens: K.

1906

Date	Depth	Cubic contents	Weight of Mud per cu ft	Material
Oct 10	1' - 12'	.7	1.16	Sand 3' 6"
"	12' - 18'	.55	1.14	Clay 3'
11	18' - 24'	.43	1.16	Sand 65' 6"
"	24' - 30'	.5	1.18	Peog 2'
"	30' - 36'	.6	1.15	Collets granite 2'
12	36' - 42'	.55	1.3	
"	42' - 48'	.5	1.17	
"	48' - 54'	.47	2.16	
"	54' - 60'	.47	1.18	
13	60' - 66'	.45	1.12	
"	66' - 74'	.47	1.10	
		5.69	5.2 11.2 5	Total depth bored 769'

Grain contents per Cub: ft: 1.809 lb

Value per Cub: ft (old basis) 18.994²

Grain contents per Cub: ft 1.47 lb

Boring Cost per ft

15.89 }
 2.1 }
 17.99

Boring Cost per ft

15.89 }
 2.1 }
 17.99

85^A Section Long: I from J 88

Date	Depth	Cubic Content	Length of Section in	Strata Intercut
1906 Oct 15	1' - 12'	.75	37 20 4	Clay sand 8 2 7
" 16	12' - 18'	.45	21 4 12	Sand 41 64
" "	18' - 24'	.55	21 16 6	White granite 12
" "	24' - 30'	.65	21 12 4	" 22 22
" "	30' - 36'	.5	21 9 12	" 22 22
" "	36' - 42'	.55	21 9 20	" 22 22
" "	42' - 48'	.5	21 54 12	" 22 22
" 17	48' - 60'	.9	14 2 12	" 22 22
" "	60' - 66'	.45	22 18 6	" 22 22
" "	66' - 72'	.5	22 4 4	" 22 22
		5.80	3 9 20 (3-9-23)	Total depth bored 73 ft.

The content of cut: ft 2.617
 The content of cut: ft 1.114
 Value the cut: ft (old basin) 11.697²

15.039²

Boring Cost the ft value 1/1.97 } 1/3.61
 The cost of the ft value 1.64 }

86^A Intersecting Long: 1. Trench H 28

Date	Depth	Cubic Content	Weight of Steam per	Notes	Intersecting
1906 Oct 18/23	1' to 8'	.4	1 - 2 - 4	Stone	1
" 24	8' - 14'	.5	11 - 10 - 12	Sand	56
"	14' - 20'	.5	11 - 11 - 16	Yellow granite	10
"	20' - 26'	.5	14 - 17 - 4		
"	26' - 32'	.5	11 - 19 - 10		
25	32' - 38'	.55	11 - 2 - 4		
"	38' - 44'	.55	11 - 2 - 16		
"	44' - 50'	.5	11 - 8 - 4		
"	50' - 57'	.43	12 - 9 - 22		
		4.38	6 - 3 - 20	Total depth 58 ft	

Fire Content per Cub: ft 2.617

Value per Cub: ft (old basis) 27.478

Boring cost per ft

labor 3/5.03 }
 thin of plant 4.82 } 3/9.85

Work in from 3 to 7 ft of water

87^A Bore Section Long: 1 Trans G

Date	Depth	Content	Weight of Steel Pin	Material Retrieved
1906 Oct. 26	1' - 15 1/2'	.4	2.6	Surface clay 3'
" 27	12' - 18'	.5	1.6	Clay 2'
"	18' - 24'	.45	3.18	Sand 52'
"	24' - 30'	.55	10.13	White sand 1'
"	30' - 36'	.5	2.4	
29	36' - 42'	.55	1.13	
"	42' - 48'	.4	9.0	
"	48' - 54'	.7	2.2.0	
"	54' - 58'	.5	1.4.10	
		4.50	4.16.22	Total depth bored 58 ft.

Pin Content per Cub: ft: 1.993

Value per Cub: ft (old basis) 20.926

26.905

Boring Cost per ft

Value 1/5.58 }
 Price of Steel 2.06 } 1/7.64

Work in from 3 to 7 ft of water

88^A Bore Intension Log: H Maus: H 28-

Date	Depth	Cubic Content	Weight of Water per cu ft	State Intension
Oct 30	1' to 5'	.2	4.5	Surface clay 3'
"	5' - 11'	.4	3.0	Sand 23'
31	11' - 17'	.6	2.6	Yellow sands 2'
"	17' - 23'	.63	6.0	"
"	23' - 30'	.6	9.9	"
		2.43	1.4.20	Total depth bored 28 ft.

(1-4-23)

Wt Content per cub: ft 940 lbs.

Value per cub: ft (old value) 9.87

12.69

Boring Cost per ft

to water 2/0.28 }
 fine gravel 2.85 } 2/3.13

91^A Bore Intersection Long: II Trans: K. 0

Date	Depth	Cubic content	Weight of Mass per cu ft	Material intersected	Thickness
Nov 6 th	1' - 12'	.8	31.1.4	Sand	0.4'
"	12' - 18'	.53	22.1.0	Coarsest	2.0'
"	18' - 24'	.4	15.51.8	Sand	6.2'
"	24' - 30'	.55	0.11.18	Pea	3.0'
"	30' - 36'	.65	11.8.4	White granite	1.0'
"	36' - 42'	.6	4.12		
"	42' - 48'	.5	12.6		
"	48' - 54'	.6	2.1		
"	54' - 60'	.5	17.2		
"	60' - 66'	.55	12.12		
"	66' - 71'	.23	4.7		
		5.91	3.6.2	Total depth bored 72.4'	

Tin Content per Cub: gal 1.034 lbs

Value per Cub: gal (old basis) 10.857⁰

13.959

Boring Cost per ft

labor 1/6.88 }
 (tin galant. 2.08) } 1/8.96

Core Intersection Long: II Trans: L

Date	Depth	Cubic Content	Weight of Steam Tin	Material Retrieved
Nov. 10	1' - 12'	.7	3 - 12	Surface sand 3' 6"
"	12' - 18'	.53	3 - 0	Cemented do 3' 0"
12 th	18' - 24'	.5	12	Sand 2' 0"
"	24' - 30'	.5	16	Peeg 2' 6"
"	30' - 36'	.53	1 - 0	Sand 1' 0"
13	36' - 42'	.53	2 - 21	Yellow gravel 2'
"	42' - 48'	.57	2 - 0	
"	48' - 54'	.6	1 - 8	
14 th	54' - 60'	.55	1 - 18	
"	60' - 66'	.6	2 - 6	
"	66' - 72'	.4	10 - 6	
15 th	72' - 78'	.45	3 - 11 - 12	
"	78' - 84'	.45	18 - 17	
16 th	84' - 87'	.25	17 - 14	
		7.16	6 - 14 - 22	Total depth bored 90 ft
			(6 - 15 - 10)	

1/8-96
 The Content per Cub: yd = 1.744 lbs

Value per Cub: yd (old basis) 18.627

Boring cost per ft

labor 1/10.66 }
 Hire of Plant 2.66 } 2/1.32

93^A Bore Intercorrelation Log No. 111

Date	Depth	Cubic Content	Weight of Material	Remarks	Intercorrelation
15 ¹²	1' - 12'	.7	21 2. 0	Sand	21 3'
12 ¹⁸	12' - 18'	.6	0 3. 18	cemented sand	6'
18 ²⁴	18' - 24'	.63	21 1. 8	Sand	21 3'
24 ³⁰	24' - 30'	.6	21 1. 20	Mud	21 3'
30 ³⁶	30' - 36'	.55	0 1. 22	Sand	21 7 1/2'
36 ⁴²	36' - 42'	.6	15 5. 16	White gravel	15'
42 ⁴⁸	42' - 48'	.6	0 3. 11		0'
48 ⁵⁴	48' - 54'	.53	8 1. 7		8'
54 ⁶⁰	54' - 60'	.5	8 1. 8		8'
60 ⁶⁶	60' - 66'	.6	2 1. 11		2'
66 ⁷²	66' - 72'	.55	2 0. 16		2'
72 ⁷⁸	72' - 78'	.6	3 5. 10		3'
78 ⁸⁴	78' - 84'	.75	7 3. 6		7'
84 ⁹⁰	84' - 90'	.6	11 15. 10		11'
Nov 17 1924		8.41	1 14. 19	Total depth bored 90 ft.	

Pin Content per cub: ft .382 lbs

Value per Cub: ft (old basis) 4.01

Boring Cost per ft.

Laber 2/2.44 }
 Price of Plant 3.11 } 2/5.55