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--- Drill Hole No.1---

Started 11 A.M., Aug. 16th, 1907. Finished 4:30 A.M. Aug. 18th.

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104 BELOW BONANZA

--Drill Hole No.2--

Started 9:30 A.M. Aug. 18th. Finished 2:40 P.M. Aug. 20th.

Depth to bedrock.....34.5 feet.
Total depth of hole.....37 "
Depth to bottom of pay.....35 "
Top soil..... 4 feet Muck.
Frost.....Frozen from 5 feet down.
Bedrock.....Hard, Black ^{Schist?} ~~Slate~~.
Pay Streaks.....Scattered 15' - 35'
Character of Gravel.....Medium Size Gravel; boulders
at several places from 15' down.
Weight and Value of Gold.....194 mgs. @ .052 = 10.1¢
Estimated volume of hole..... 35 cubic yards.
Value per cubic yard..... 28.9¢

Remarks:-

Gold rather fine and flaky; measured volume about
.5 cubic yards.

Colors -- 0 - 27½ feet 97 - total 145.

Estimated value gold 0 - 27½ = 6.8¢

Value per cu. yd. 0 - 27½ - 24.7¢

104 BELOW BONANZA

DRILL HOLE NUMBER THREE

Started 5:00 P. M. August 20th. Finished 3:00 P. M. August 22nd.

Depth to Bedrock -----27 Feet
Total Depth of Hole -----30 Feet
Depth to Bottom of Pay -----Practically ends at $27\frac{5}{8}$ Feet.
Top Soil -----
Frost -----Frozen from 13 Feet Down
Bedrock -----Hard Schist with Quartz
Pay Streaks -----24 - $27\frac{5}{8}$ Feet
Character of Gravel -----Boulders in several places
Weight and Value of Gold -----554 Mgs. at $.052 - 28\frac{8}{100}$
Estimated Volume of Hole -----.275 Cubic Yards
Value per Cubic Yard -----105¢

Remarks:-

Some pay to 30 feet which would make the value $96\frac{8}{100}$ per cubic yard, but ground above $27\frac{5}{8}$, should average \$1.00 per cubic yard. Gold all rather fine, with considerable flour gold.

Measured Volume:- .102 Cubic Yards.

Cores in pay streak about 33 inches to one foot drive, about twice what they should be, so value of hole as given is probably too high. Considerable water makes its way from the upper thawed gravel, down around the outside of the pipe, and probably washes more or less fine sediment carrying gold into the bottom of the hole.

104 BELOW BONANZA

DRILL HOLE NUMBER FOUR

Started 5:00 P. M. August 22nd. Finished 12:00 M. August 24th

Depth to Bedrock -----Bedrock not reached

Total Depth of Hole -----31 Feet

Depth to Bottom of Pay -----0 - 29 Cleaned up

Top Soil -----2 Feet Sand

Frost -----From 15 Feet Down
(Thawed by point ahead of drill)

Bedrock -- -----

Pay Streaks -----19 - 29

Character of Gravel -----Boulders in several places

Weight and Value of Gold -----172 Mgs. at .052 - 8.94¢

Estimated Volume of Hole -----.29

Value per Cubic Yard -----30 $\frac{8}{100}$ ¢

Remarks:-

Measured Volume .4 Cubic Yards. 0 - 31 Feet.

104 BELOW BONANZA

DRILL HOLE NUMBER 5

Started 10:00 A. M. August 25th. Finished 10:00 A. M. August 27th.

Depth to Bedrock -----34 Feet

Total Depth of Hole -----35 Feet

Depth to bottom of Pay -----35 - Figured 0 - 29.

Top soil -----3 Feet Muck

Frost -----Frozen from 13 Down. Thawed
Ahead of Drill.

Bedrock -----White Clay

Pay Streaks -----None - Scattered - No great con-
centration on Bedrock.

Character of Gravel -----Boulders common in lower portion.

Weight & Value of Gold -----0 - $20\frac{5}{10}$ - 25 Mgs.

$20\frac{5}{10}$ - 29 -- 53 "

Total 78 " at .052 - 4.05¢

Estimated Volume of hole ----- .29 Cubic Yards

Value per Cubic Yard -----14¢

Remarks:-

Value per Cubic Yard 0 - $20\frac{5}{10}$ ---- $8\frac{8}{10}$ ¢
" " " " $20\frac{5}{10}$ - 29 ---- $32\frac{4}{10}$ ¢

Measured Volume .56 Cubic Yards from 3 to 35 feet, about 50 - 60%
greater than it should be, but ores do not average more than they
should.

Drill Hole No.6

Finished 10:25 A.M. Aug. 29th.

Measured volume - .416 cu. yds. , from 5 to 30 feet, = .0166 cu.yds. per foot of pipe, 66% greater than the factor used in estimating volumes (.01) cu. yds., per running foot of pipe).

104 BELOW BONANZA

DRILL HOLE NUMBER 7

Started 11:45 A. M. August 29th,

Finished 10:00 P. M. August 30th.

Depth to Bedrock ----- 27 feet
Total Depth of Hole ----- 29 feet
Depth to Bottom of Pay ----- 28 feet
Top Soil ----- 13 feet muck
Frost ----- Frozen from 14 feet down
Bedrock ----- Hard, black, schist with some clay
Pay streaks ----- Scattered 21 - 28
Character of Gravel ----- Medium size, no boulders, some clay
Weight and value of Gold ----- 120 mgs. at .052 - 6.24¢
Estimated Volume of Hole ----- .28 cubic yards
Value per Cubic Yard ----- $22\frac{3}{4}$ ¢

Remarks;-

Measured Volume -- .37 cubic yards

Cores in Paystreak 5' drive gave 7.8 feet of core, probably all
measured loose, or $1\frac{5}{8}$ feet per foot drive, rather large.

104 BELOW BONANZA

DRILL HOLE NUMBER 8

Started 4:00 P. M. August 31st,

Finished 11:00 P. M. Sept., 1st.

Depth to Bedrock ----- 22 feet
Total Depth of Hole ----- 28 feet
Depth to Bottom of Pay ----- 24 feet
Top Soil ----- 3 feet muck
Frost -----Frozen from 12' down
Bedrock ----- Hard, blue, schist
Pay Streaks ----- 20 - 24
Character of Gravel ----- Some Boulders

Weight and Value of Gold -----
Fine - 435 at .052 - 22.6¢
Nugget - 295 at .052 - 15.3¢
TOTAL - 730 at .052 - 37.9¢

Estimated Volume of Hole ----- .24 cubic yards

Value per cubic yard -----
Without nugget - $94\frac{2}{3}$ ¢
With " - 158¢

Remarks:-

Water level one foot. Measured volume .28 cubic yards from 3 to 28 - .012 cubic yards (Pipe factor used is .01 cubic yards per running foot of pipe).

Cores in pay streak $4\frac{7}{8}$ feet gave $8\frac{8}{8}$ feet of core; or $1\frac{87}{87}$ feet per foot driven, about 50% in excess of what it should be.

Safe estimated value for hole about 60 - 70¢ per cubic yard.

104 BELOW BONANZA

DRILL HOLE NUMBER 9

Started 4:15 A. M. Sept. 2nd, Finished 9:00 P. M. Sept., 2nd.

Depth to Bedrock ----- Bedrock not reached
Total Depth of Hole ----- 30 Feet
Total Depth of Pay ----- Unknown
Top Soil ----- 9 Feet muck
Frost ----- None
Bedrock ----- Not reached
Gravel ----- Very loose, old drift
Water Level ----- 2 Feet
Pay Streaks ----- Few Colors 25 - 30 Feet
Weight and Value of Gold ----- 28 Mgs. at .052 equals 1.46¢
Estimated Volume of Hole ----- .3 Cubic yards
Value per Cubic Yard ----- 4.8¢

Remarks:-

Cores Variable.

Measured Volume .29 cubic yards 9 to 30 equals .0138
cubic yards per foot of pipe.

104 BELOW BONANZA

DRILL HOLE NUMBER 10

Started 10:30 P. M. Sept., 2nd,

Finished 3:50 P. M. Sept., 3rd.

Depth to Bedrock ----- 32 feet
Total Depth of Hole ----- 34 feet
Total Depth of Pay ----- 33⁵ feet, separate cleanup made
at 29 feet.
Top Soil ----- None
Frost ----- None
Water Level ----- 4 feet
Bedrock ----- Hard, broken, green, schist.
Gravel ----- Small, loose, sandy.
Paystreaks ----- Nothing from 0 to 27, few colors
near bedrock.
Weight and Value of Gold -----
0 - 29 - 5 mgs at .052 = .26¢
29 - 34 - 53 " " .052 = 2.76¢
Total ----- 0 - 34 - 58 " " .052 = 3.02¢
Estimated Volume of Hole -----
0 - 29 -- .29 Cubic yards
0 - 34 -- .34 " "
Value per Cubic Yard -----
0 - 29 -- 0.9¢
0 - 34 -- 8.9¢

Remarks;-

Measured Volume .25 cubic yards
from per foot of pipe

104 BELOW BONANZA

DRILL HOLE NUMBER 11

Started 11:30 P. M. Sept 3rd.

Finished 8:30 A. M. Sept 4th.

Depth to Bedrock ----- 23 feet
Total Depth of Hole ----- 25 feet
Total Depth of Pay ----- 24 feet
Top Soil ----- 10 feet muck
Frost ----- Frozen from 24' down
Bedrock ----- Hard, green, schist
Gravel ----- Coarse near bedrock
Water Level ----- 5 feet
Pay Streaks ----- None
Weight & Value of Gold ----- 3 mgs at .052 - 0.156¢
Estimated Volume of Hole ----- .24 cubic yards
Volume per Cubic Yard ----- 0.7¢

Remarks:-

Measured volume .2 cubic yards

Cores near bedrock about right

Derrick uprights broken while moving to #12 causing delay of 1 1/2 shifts.

104 BELOW BONANZA

DRILL HOLE NUMBER 12

Started 4:40 P. M. Sept 5th.

Finished 1:40 P. M. Sept 6th.

Depth to Bedrock ----- 27 feet
Total Depth of Hole ----- 29 1/2 feet
Total Depth of Pay ----- 28 1/2 feet
Top Soil ----- 10 feet muck
Frost ----- All thawed
Bedrock ----- Hard, green, schist
Gravel ----- Fairly coarse, no boulders
Water Level ----- 5 feet
Pay Streaks ----- Near Bedrock
Weight & Value of Gold ----- 130 mgs at .052 - 6.8¢
Estimated Volume of Hole ----- .285 cubic yards
Value per Cubic Yard ----- 23.8¢

Remarks:-

Measured Volume.237 cubic yards.

Cores just above bedrock too large, nearly three feet of core for an 8 inch drive, but in bedrock cores are rather small. Too much gravel taken but possibly not enough bedrock.

104 BELOW BONANZA

DRILL HOLE NUMBER 13

Started 4:30 P. M. Sept 6th

Finished 3:30 P. M. Sept 8th.

Depth to Bedrock -----	32 feet
Total Depth of Hole -----	34 ⁵ feet
Total Depth of Pay -----	34 feet-separate cleanup from surface to 30
Top Soil -----	11 feet muck
Frost -----	Frozen from 8 feet down
Bedrock -----	Hard, green, schist
Gravel -----	Boulders near bedrock
Water Level -----	No water
Pay Streaks -----	Near bedrock
Weight and Value of Gold -----	0 - 30 - 48 mgs at .052 - 2.5¢ 30 - 34.5-92 " " .052 - 4.8¢ 0 - 34.5-140 " " .052 - 7.3¢
Estimated Volume of Hole -----	0 - 30 - .3 cu yds 0 - 34.5- .345" "
Value per Cubic Yard -----	0 - 30 - 8.3¢ 0 - 34.5 - 24.3¢

Remarks:-

Measured Volume .575 cubic yards

Cores in pay streak very large. Just above bedrock a six inch drive gave fifty inches of core.

Value given probably 50% too high.

104 BELOW BONANZA

DRILL HOLE NUMBER 14

Started 5:10 P. M. Sept 8th. Finished 12:00 M Sept 12th.

Depth to Bedrock -----	27 feet
Total Depth of Hole -----	34 feet
Depth of Pay -----	29.5 feet
Top Soil -----	6 feet muck
Frost -----	Frozen throughout
Bedrock -----	Soft, compact, sandy, schist
Gravel -----	Medium
Water Level -----	No water
Pay Streaks -----	25 - 29.5
Weight and Value of Gold -----	60 mgs. at .052 = 3.12¢
Estimated Volume of Hole -----	.295 Cubic yards
Value per Cubic Yard -----	10.6¢

Remarks:-

Cores too small, especially in bedrock. Pipe driven to 32 feet. Measured volume .53 cubic yards from 6 to 34, nearly twice as much as estimated volume. Pipe broke 9' below surface while pulling, causing delay of four shifts.

104 BELOW BONANZA

DRILL HOLE NUMBER 15

Started 5:00 P. M. Sept 12th, 1907. Finished 5:15 P. M. Sept 13, '07.

Depth to Bedrock ----- 23 feet
Total Depth of Hole ----- 25 feet
Depth of Pay ----- 24 feet
Top Soil ----- 7 feet muck
Frost ----- Frozen throughout
Bedrock ----- Hard, green, schist
Gravel ----- Boulders near bedrock
Water Level ----- No water
Pay Streaks ----- 20 - 24
Weight & Value of Gold ----- 47 mgs at .052 - 2.44¢
Estimated Volume of Hole ----- .24 cubic yards
Value per cubic yard ----- 10.2¢

Remarks:-

Tailings measured 12.1 cubic feet = .45 cubic yards from
7 to 25, 18 feet = .025 cubic yards per running foot, or 2 1/2 times
the estimated volume. Loose cores measured on pay streak (20 to
23.3 feet,) totalled 12 running feet or 3.6 feet of core per foot
driven, or .026 cubic yards loose per running foot of pipe.

Value of hole probably too high.

104 BELOW BONANZA

DRILL HOLE NUMBER 16

Started 10:00 P. M. Sept., 13th, 1907, Finished Sept, 15, 1907.

Depth to Bedrock -----	25 feet
Total Depth of Hole -----	28 feet
Depth of Pay -----	26 feet
Top Soil -----	7 feet muck
Frost -----	Frozen Throughout
Bedrock -----	Soft, Blue, Schist
Gravel -----	Boulders in lower part
Water Level -----	No water
Pay Streaks -----	Near Bedrock
Weight & Value of Gold -----	88 mgs. at .052 - 4.57¢
Estimated Volume of Hole -----	.26 cubic yards
Value per Cubic Yard -----	17.6¢

Remarks;-

7' shoe joint lost in pulling. Tailings measured .4 cubic yards over 21 feet - .019 cubic yds, per running foot of pipe - 1.9 times the estimated volume. Cores (measured loose in pipe), from 7 to 25.5, showed total of 37 running feet, or 2 running feet per foot driven, or .0145 cubic yards of core per foot driven.

104 BELOW BONANZA

DRILL HOLE NUMBER 17

Started 11:30 A. M. Sept 15th, Finished 3:00 P. M. Sept 16th.

Depth to Bedrock ----- 25.5 feet
Total Depth of Hole ----- 28 feet
Depth of Pay ----- 27 feet
Top Soil ----- 9.5 feet muck
Frost ----- Frozen throughout
Bedrock ----- Soft, blue, schist
Gravel ----- No boulders
Water Level ----- No water
Weight and Value of Gold ----- 215 mgs. at .052 = 11.18¢
Estimated Volume of Hole ----- .27 cubic yards
Value Per Cubic Yard ----- 41.4¢

Remarks:- Measured volume of tailings .37 cubic yards (from 9.5 to 28) = .02 cubic yards per foot of pipe, twice the estimated volume. Gravel barren to 20 feet. Bulk of pay lies above bedrock. Cores from 20 to 25.7 feet, practically all of the pay, total 22.8 running feet, or 4 running feet of core per foot driven, or .028 cubic yards per foot driven, 2.8 times the estimated volume. These measurements are all on loose dirt, the cores being measured in the pipe by a cord and weight. This hole would hardly recover more than 25¢ per cubic yard.



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