

0720 0011

Bristol

Item 15 (171)

Mch. 7 - 1924

P.M.

803 South Stope. On the 803 bed following the $N 20^{\circ} W$ fissures, + the line bedding.

Ore averages 10 oz. Ag 14% Pb 1% Cu 17% Zn

800 - Shrinkage Stope. -

Intersection of May Day + Gypsic fissures.
Ore Ave. = 30 oz Ag 23% Pb. - 45 Cu. 13% Zn
Tonnage. 10 to 15 thousand.

750 Stope. - Intersection. Jampet + Gypsic
with Post Min. N-S. on West side. -

Ore Carbonate of lead. - Soft.

Ave grade - Ag. 20 oz. Ag 18% Pb. - Cu 15% - Zn 9%

900 - Iron Stope. - On May Day fissure
Ave Ore - 17 oz Ag - 2% Cu - 45% Iron + Mn.
8-10% Ca + 6-8% SiO_2

950 Stope - Gypsic + May Day
Ave Ave. 30 oz Ag + 20 Pb + Much Iron.

1000 Lev.

1100 Lev. - Drifting in much iron
Near May Day - Jampet intersection

Soft Iron carries 8 to 10 oz. - Ag. The hard iron
carries very little about 2 oz. with 15-2% Cu.
Striped some ore from ^{the} West side carrying
12 oz Ag + some lead.

Tempest Mine - Inaccessible at present.

Shaft sunk on Intersection of Tempest N° 2 and two or more small N-S faults dipping about 80° E. - Shaft dips 70° S on Tempest vein. Two kinds of ore here primary & secondary. Primary is High iron, 30-60% Ag, 1% Pb & 1% Cu. - Some bismuth ore about .5% - Mainly with high silver. - Also some high gold. some as high as 3.

The secondary ore 4-8% Ag & 17-20% Cu. some iron. 6-8% - 10-12% Mg.

Estimated shipments 2,000 tons.

Oregon Short Line Incline shaft. 150' reported depth Sunk on May Day with N-S break just to west.

Has produced about 15000 tons of ore from May Day fissure. No late work. - Ore like that on the May day - High iron, with good silver & copper. and very little, 2-3% lead.

The McFadden Tunnel on the J.M.C ground, in foot wall of the May Day. - O.S. L. - had good lead. Shipped 25% lead. & good silver.

Iron Mine - Ave Ore.

| Car shipments | cu | Pb | Ag | Ave | |
|---------------|-----|------|------|-----------|-------------|
| 1 | 1.6 | 24.2 | 10.6 | 12.02 Ag. | |
| " | 2 | 18 | 23.8 | | 7.7 |
| " | 3 | 1.4 | 25.0 | 10.2 | 26.86 % Pb. |
| " | 4 | 1.2 | 27.3 | 19.1 | |
| " | 5 | 1.9 | 34.0 | 12.5 | 1.2 % Cu |

11.00 Level.

| Sample, | Ag. | Cu. | iron | Pb. | Zn. |
|----------------|------|------|------|------|------------------|
| Hand Yel. Ore. | 9.1 | .2 | | 9.0 | .4 |
| Sta. 11-01. | 2.2 | .2 | | 6.1 | .3 - 2' Seam |
| " | 4.1 | .2 | | 9.1 | .3 - 2' " |
| " | 2.2 | .2 | | 6.9 | .4 - 18" " |
| " | 4.3 | .2 | 23.1 | 6.8 | .4 - 3' " |
| W. Raise, | 8.4 | 1.1 | | 7.1 | .6 - Start. |
| " " " | 5.3 | .0 | | 8.6 | ave back + sides |
| " " Ave. | 13.8 | tr. | | 7.3 | " of all sides |
| " " " | 2.8 | .0 | | 9.0 | 6. - 3' ore |
| E + W. Raises, | 4.0 | | | 5.2 | ave - 32 cars. |
| E. Raise, | 5.9 | tr. | | - | " back + sides |
| E. " " | 5.3 | | | - | Pile |
| W. Raise, | 4.0 | .0 | | 2.6 | 11 - |
| E. " " | 8.7 | | | .0 | |
| E. " " | 5.8 | | | 2.3 | |
| 1100 E. drift. | 5.5 | 1.9 | | .0 | 7.5 1' streak |
| " " | 11.7 | .0 | | .5 | 1.8 2' " |
| " " | 13.1 | 1.2 | | .5 | 3' " |
| " " | 7.9 | 1.0 | | .2 | 3' " |
| " " | 16.4 | .9 | 50.7 | .2 | Pile |
| " " | 18.8 | .0 | | .1 | Face |
| 1100 W drift. | 69.3 | 2.1 | 3.5 | 3.5 | 2' Foot Raise |
| " " " | 5.6 | | | 12.3 | 18" seam |
| " " " | 43.3 | .6 | | 1.2 | bottom |
| 1001-E. | 6.5 | 5.6 | Fe | .4 | |
| | 18.3 | .0 | | .5 | |
| | 16.0 | .0 | | .9 | |
| 1004 E. | .5 | 17.4 | | .0 | 12.6 |
| 1003 Raise | 26. | 15.8 | 31.5 | | Staying wall |
| | 5.4 | .4 | 49.3 | | Foot |
| 1008-E dft. | 9.3 | .7 | 53.8 | .6 | Yellow ore |
| " " | 19.2 | .5 | 39.5 | 1.2 | Black " |
| 1005 - Raise | 17.9 | 4.4 | | 1.2 | Raise |
| " " | 23.5 | 12.2 | | .1 | 18" seam |

Print on Grade Paper or Old Hampshire Bond Paper in White Ink. Light Green Ink - Iron on Dark Green.

Contract Lease

Mine

Level,

Date

192

Leaser,

Block,

Development:

Location,

Beginning at a point

of Sta.

the drift runs

feet to

thence,

"

"

"

Formation;

At

Bed Strike

and dip

Mineral:

Sample taken at

Assays: Au.

oz.,

Ag.

oz.

Pb.

%,

%

Objective:

Recommendations:

Remarks:

Footage:

Notes by

South cuts on Iron Mine.

3-13-24

Two cuts on the strike of the Iron fissure which strikes $N15^{\circ}E$ & dips 60° East.

Fissure about 2 to 4' wide with places 6-8 feet wide. Carrying lead carbonate, galena, zinc oxide and some copper & some iron.

One shipment from two pits on lease assayed 33% & 14 oz. Ag. 1.2 Cu. (E. Snyder) + 1.8% Zn

The south pit is cut by a $N20^{\circ}W$ fissure.

Cuts are 15 and 25' in length with small stops at end. not over 15' below surface.

Both cuts in white ls. resembling Tempest.

The Iron Mine shaft a 200 yards farther north is sunk ^{about} 400 feet on the fissure on $S80^{\circ}E$ course and 50 degree incline. - One high lead, copper and good silver - see assay in notes. Some

high grade Zn carbonate. Stops 20 feet wide in places but ore has average width of $4\frac{1}{2}'$

Now under lease and shipping monthly.

Vein here in the Tempest Zone. -

Shaft squeezed with gas list - Snyder has maps.

Across the gulch 400 feet farther north on the same

vein is the Detroit shaft sunk 450' in $S80^{\circ}E$ course on 55° incline, with a few surface cuts on

the vein on the south hill side (50's.) In White

Shaft lies, $15^{\circ} S 55^{\circ} W$ from dir. of Detroit claim.

Ore & vein same type as Iron Mine with possibly little more zinc.

Under same lease as Iron Mine

Iron Mine

Detroit

Form M 10

Print on One-Sided or Old Hampshire Bond Paper in Watercolor Light Green Ink - Not on Double-lined

Contract Lease

Mine

Level,

Date

192

Leaser,

Block,

Development:

Location,

Beginning at a point

of Sta.

the drift runs

feet to

thence,

"

"

"

Formation;

At

Bed Strike

and dip

Mineral:

Sample taken at

Assays: Au.

oz.,

Ag.

oz.

Pb.

%,

%

Objective:

Recommendations:

Remarks:

Footage:

Notes by

Mch. 8

National Mine. on National Claims.

Cut and incline workings shaft on a $N 7^{\circ} E$
Fissure dipping about $70^{\circ} E$. - Some $N 20^{\circ} W$, fissure ^{expt.}
About 5000 tons production of ore averaging 25-30
silver, 6% lead + 8% Cu. - Some silver as high
as 200 oz. per ton. Ore practically identical to ore
at Vesuvius workings.
No east and west fissure here.

Vesuvius Mine. Tunnel entrance on 2
a $N 25^{\circ} E$ fissures which intersect $N 10^{\circ} W$ fissures
and at slope intersect with the Tempest $N 10^{\circ} E$
Fissure ^{Blue Veins.}
Ad. month tunnel, ^{Blue Veins.} strikes $N 80^{\circ} E \downarrow 9^{\circ} N$.

Mine has produced about 10000 tons.
Ave. 18 oz. Ag. - lead 6% - Copper 5 to 8% with 8-10% Zn.
None mined by present owners. All ore shipped
taken from above tunnel level. Some bedded ore
in back of tunnel and at outcrop.
Tempest fissure strikes $588^{\circ} E \downarrow 63^{\circ}$ South.

Tunnel Workings - An intersection of
Tempest #2 and a $N 10^{\circ} W$ fissure, with a little
fracturing of the $N 10^{\circ} W$ by the Tempest.

Ore - high in iron + lime with about 10 oz. Ag. + much copper
A shipment to lenser gave 15% Cu & 11 oz. Ag.
Lime here thin, bedded and highly laminated gray ls.
strikes $N 80^{\circ} E \downarrow 15^{\circ} N$.

Contract Lease

Bristol.

Mine

Level,

Date

Mch. 9

1924

Leaser,

Home Run Shaft.

Block,

Development:

Inclined shaft on a $N10^{\circ}E$ fissure

Location,

in Limestone (Trenton)

Beginning at

a point

Collar of shaft

of Sta.

the drift runs

^{shaft}
 $N10^{\circ}E - 200'$ on 50° incl feet to to Bot.
 at about 60' below surface to the 1st CC.

thence,

" A drift runs $S15^{\circ}W$ along a $N10^{\circ}E$

" Fissure dipping $65^{\circ}W$. to connection with

Formation;

a Filled Vertical shaft.

The $N10^{\circ}E$ Fissure carries a seam of iron and
 Copper in places, in the direction of the Vert Shaft.

A 15' breccia seam between two $N-S$ fissures
 is shot with seams of iron & copper

At

Bed Strike

and dip

Reported to ship 1000 tons Copper ore.

Mineral:

Ore high in copper. (30%)

Sample taken at

Assays; Au.

oz.,

Ag.

oz.

Pb.

%,

%

Reported to carry $8\frac{3}{4}$ silver - No lead, or 2 m.

Objective:

Recommendations:

Remarks:

Footage:

Notes by

Bristol Shaft (1) Mch 12-24

- Collar, 12' Thin beds Lt gr. ls.
 0 - 33.6 Blue banded ls. (Break in mid shaft)
 33.6 - 36.3 - Lt. gr. f.g. banded ls.
 36.3 - 46 - Fine gr. banded blue ls. massive.
 46 - 50 - f. - Light gray fine grained banded ls. in three bands.
 50 - 62 f.g. Blue banded ls. Hard
 62 - 67.5 f.g. Lt gr. ls. with silver top & bottom 11°
 67.5 - 74.5 - " " " like above.
 74.5 - 80 - f.g. dk blue ls.
 81.0 - " Lt gr. banded ls.
 88.5 - f.g. gray ls. Massive.
 N-S-Break on East side of shaft.
 88.5 - 93. f.g. Lt gr. ls. Massive
 93 - 96 - " dk blue ls. Single bed.
 96 - 100 - " dk gr. ls. - 2 beds.
 100 - 101 - Mineralized bed - some good silver lead ore. beds dips 13° N.
 N-S. break on East wall of shaft.
 101 - 109 - f.g. gray ls. much fractured with calcite all through with few wags of lead ore.
 109 - 112 - f.g. gr. ls. not brecciated
 112 - 119. " gr. ls. massive with 6" bed + clay parting at bot.
 119 - 124 Lt gr. f.g. ls.
 124 - 131 gray " "
 131 - 132 Very shaly Lt gr. ls. - Very prominent.
 132 - 147 Gray mot ls. Massive + f.g.

Bristol - Shaft. 8-9-24.

Bonanza - MD 300 + Gypsic 100.

Very large. - Jumps, May Day + Gypsic
May Day. + N 35° E Break - High silver - 2-4
% Cu. + low lead.

Gypsic + May Day. - high lead, silver + Cu.

East wing of Bonanza - largely secondary Cu
with low silver.

shaft section

(2)

- ✓ 147-163 - 163 - Dk gr. ls., massive (dips 13° N.
with some banding.
- ✓ 163 - 171 - Thin bedded lt gr ls. - quite cherty at bottom
- ✓ 171 - 176 - 100 level station. (at 184' - top old stone
to 193' connects)
- ✓ 171 - 193 - Fine gr - gray mot ls.
Somewhat broken + con. with spar. $\Delta 10^\circ$ N.
- ✓ 193 - 204 - f. g. gr ls. - with strong selvsge shaly bed
at bottom. - at 206' top old shaft con.
" 247' bot. " " on W.
- ✓ 204 - 247 - Massive gray ls. f. g. - slope here
on a fissure.
at 257' top W. con. slope also
Break $\Delta 43^\circ$ S + 8K. N 70° E. - ✓
- ✓ 247 - 292 - Massive gray ls. - with slope on the
west to the 200 Guyan level.
- ✓ 292 = 200 level.

200 lv. as 0

- 0 - 37 - Massive f. g. dk gr ls. (at 50' cal N-S
- 37 - 52' - " " lt. gr. ls. { break enters
- 52 - 59' " " dk gr. ls. { inside shaft
- 59 - 76 " " lt " " $\Delta 75^\circ$ W.
- 76 - 92 " " dk " " -

at 92 Top filled slope on West.

- 92 - 103 Mass f. g. d. blue ls. with strongly
marked bedding at base
- 103 - 141 - Mass f. g. ls. like above
- at 141 - Dd to the Lloyd slope on N.

Contract Lease

Mine

Level,

Date

192

Leaser,

Block,

Development:

Location,

Beginning at a point

of Sta.

the drift runs

feet to

thence,

"

"

"

Formation;

At

Bed Strike

and dip

Mineral:

Sample taken at

Assays: Au.

oz.,

Ag.

oz.

Pb.

%,

%

Objective:

Recommendations:

Remarks:

Footage:

Notes by

Bristol Shaft Section

0 = Lloyd Stope Corn.

0-47 Dark blue ls. Massive, sub crisp.

at 5 - Shaly bedding plane on W. side shaft

at 17 - top shaft footwall. Conn. with Lloyd stopes.
Gypsum vein cutting west side of stopes 2' wide or
with several N 20° W fissures running
through the shaft into the stopes on N.

47-66 Thin beds - Dk blue banded ls.

66-70 - " " Lt. gr. ls. Lower 1' bed highly copper stained

70-97 - Massive dark blue ls.

at 97' - 600 Station

at 86' - about 1" seam secondary copper on bed.

at 73' - " " " " " "

At 97' - May Day Fault. Strk. N 73° E Δ 37° S.Hanging wall beds Δ 10 1/2° N.0 = 600 Level.

0-86' Massive d Blue mottled ls. dull text.

at 33' Hanging wall much sheared & ore stained.

at 30' - Jumbert Break N 67° E Δ 50° SE.

86-126: Fine gr. gr. ls. - Massive, but some sheeting.

126-136 - " " Lt. gr. banded ls.

at 112' - Some iron in East side of shaft.

at 136' - 700 level platform.

0=700 - Level. Beds Δ 8° N 20° E0-12 - Lt gr banded f.g. ls. with seams
of limonite on joints & bedding.12-44 Lt gr. f.g. banded ls. Seam. Daymar
all thin bedded. At 44' some
N 80° W sheeting dipping with Winge44-96 - Same banded ls. Strk N 50° W Δ 22° NE.

Contract Lease

Mine

Level,

Date

192

Leaser,

Block,

Development:

Location,

Beginning at a point

of Sta.

the drift runs

feet to

thence,

"

"

Formation;

At

Bed Strike

and dip

Mineral:

Sample taken at

Assays; Au.

oz.,

Ag.

oz.

Pb.

%,

%

Objective:

Recommendations:

Remarks:

Footage:

Notes by

0-800 level. 800

0-40' ^{in hanging} Lt. gr. banded. ls. (Daymar)at 24.5' - ^{in hanging wall of Thompson} Timpert break N65°E \searrow 55° S, cuts foot." " Beds str. \searrow 45°E + \searrow 30° NE.

Footwall. lime beds dip 8° S.

24.5-36' Thin beds f.g. gray ls.

36'-61' Heavy beds. blue vermicular ls in footwall

61-900 station. ^{at Timpert Break.}

0-900. " 900

0-34' - Massive f.g. gr. ls. no banding.

34' - Bedding N20°E \searrow 12° SE. - Note dips34' - Fault Slip - N60°W - \searrow 44° S.45' - " " N50°E \searrow 45° SE.50' - Beds N20°E \searrow 15° SE. Fine

34-61' Massive bluish gr. ls. - Red markings.

with 2" clay seam at bottom.

61-77' Massive gray ls.

at 75' - Slip plane str. N75°E + \searrow 60° South, tight,

77-96.4 (1000 lb) in Hard Gray ls, some lt. beds.

1000 down 1000

0-50 - Gray dull ls. - Wavy banding

50-78 " " " No banding.

78.2 = 1100 level. station

78-90' - Dull gray ls. - lighter than that above here

From 0-35' Slip follows footwall of shaft.

Contract Lease

Mine

Level,

Date

192

Leaser,

Block,

Development:

Location,

Beginning at a point

of Sta.

the drift runs

feet to

thence,

"

"

"

Formation;

At

Bed Strike

and dip

Mineral:

Sample taken at

Assays; Au.

oz.,

Ag.

oz.

Pb.

%,

%

Objective:

Recommendations:

Remarks:

Footage:

Notes by

Assays.

| | Ag. | Cu. | Fe. | Pb. | |
|------------|------|------|-----|-----|--------------|
| 1005 Rais. | 42.0 | 6.7 | | 1.0 | |
| " " | 35.0 | 11.6 | | 1.0 | back + sides |

Fault on Trail.

Beginning at A. a point in Mouth May Day Tunnel
 65' S 5° W. of 1st Survey Sta in Tunnel.
 thence N 68° W. - 80' to point B on trail 10° ↘
 " S 80° W - 104' on 17° ind. to point C on Break.
 Break strikes N 15° E + 85° W, traceable 300' N.E. on Stk.
 At D. a point S 20° E - 48' on 15° ind. from C.
 a Break strikes N 10° E + pract. Vertical

May Day fissure outcrops on the road on
 a course S 60° W from Collar of Shaft

South of Fault beds dip 10-20° N 40° E.
 North " " " 20-30° N 60° W.

Across Gulch to north of M.D. - Beds 24° due west
 Here is white thin bedded like Dayman.
 Probable faulting on line of gulch.

Contract Lease

Mine

Level,

Date

192

Leaser,

Block,

Development:

Location,

Beginning at a point

of Sta.

the drift runs

feet to

thence,

"

"

"

Formation;

At

Bed Strike

and dip

Mineral:

Sample taken at

Assays; Au.

oz.,

Ag.

oz.

Pb.

%,

%

Objective:

Recommendations:

Remarks:

Footage:

Notes by

Surface South of Shaft.

At Contour 6900 on ridge to Quartzite point
Thinly lamin. wh. ls. dips strikes $S 30^{\circ} E \pm 25^{\circ} E$.

At 6825. - Thin shale in float indicating the
approaching base of Series.

Quartzite on Point - Cambrian variety, glassy
pink massive, but very much brecciated. as
on fault contact. Fault lies just to east of Quartzite
shown by even + brecciated ls. in shallow pit. The
Ophi. shale on the saddle but some appears in
gulch a short distance to the south where small oval
fossil bed was found.

At the Lindsay Tunnel The Ophi. shale strikes
 $N 75^{\circ} E \pm 40^{\circ} NW$.