

16 OCT 92 SURFACE

DID MORE DIGGING IN THE NEW HOLE. STILL LOOKING FOR GNEISS-MARBLE CONTACT.

19 OCT 92 180 LEVEL

WORKED WITH STEVE IN THE GRAVITY TRAM. DRILLED HOLES FOR THE TRAVERSE STEVE IS DOING ACROSS THE ORE BODY.

DRILLED HOLES FOR VARIOUS OTHER SAMPLES STEVE WANTS. WEDGED OUT MORE DUFTITE.

20 OCT 92 180 LEVEL

WORKED WITH STEVE IN THE GRAVITY TRAM. GOT THE HOLES FOR THE BROWN WILLEMITE ZONE DONE. SCALED LOOSE IN 1015 STOPE. HAD TROUBLE WITH THE COMPRESSOR FOR THE SECOND DAY.

21 OCT 92 SURFACE & 180

STEVE HAD TO PLAY TOUR GUIDE UNTIL 12:30. I DUG IN THE OPEN PIT.

AFTER LUNCH WE DRILLED AND WEDGED IN THE GRAVITY TRAM. HAD TO REPAIR DRILL.

22 OCT 92 SURFACE

DID MORE DIGGING IN THE NEW HOLE. HAVE HIT ROCKY MATERIAL BUT IT IS CORRODED AND LOOSE. NOT SURE IT IS BEDROCK. IT IS A DECOMPOSED GNEISS.

23 OCT 92

SURFACE

HIT SHOT ROCK IN THE HOLE THAT I'VE BEEN WORKING ON LATELY. IT IS AT THE MARGIN OF AN OLD ROCK QUARRY. STARTED A NEW DIG IN THE NOBLE PIT. STEVE SANFORD POINTED OUT A PLACE WHERE GOUGER FOUND JEFFERSONITE XLS.

26 OCT 92

180 LEVEL

STEVE AND I WORKED IN THE GRAVITY TRAM. DRILLED 43 HOLES FOR THE SAMPLE PROGRAM. GOT TO THE WEST FLUORITE LOCATION.

27 OCT 92

180 LEVEL

USED THE REAMER BIT TO DRILL A HITCH AROUND THE WEST FLUORITE BAND. BROKE UP CHUNKS OF BLACK ORE FROM 1015 STOPE. GOT A POCKET #547 CONTAINING STRANGE WHITE SPHERES.

28 OCT 92

180 LEVEL

WEDGED OUT A LOT OF NICE FLUORITE. DRILLED HOLES FOR SAMPLES FROM THE FLUORITE BAND PAST THE DRIFT FROM 900W. PICKED OUT A GOOD FLUORITE FOR MYSELF.

30 OCT 92 SURFACE
CONTINUED DIGGING IN THE NOBLE
PIT. GOT SOME MEDIOCRE CRYSTALS.

2 NOV 92 180 LEVEL
DRILLED MORE HOLES FOR STEVE'S
SAMPLE PROGRAM. ALMOST DONE. HAD
TO MOVE THE MANIFOLDS FOR AIR AND
WATER, ADD MORE HOSE AND MAKE A
DRILL REPAIR.

3 NOV 92 180 LEVEL
ADDED ONE AIR AND ONE WATER HOSE
AND FINISHED DRILLING HOLES FOR STEVE'S
SAMPLE PROGRAM. STEVE WEDGED OUT
SAMPLES. DRILLED A FEW ADDITIONAL
HOLES AND WEDGED OUT SOME SILICATES
LENSES IN THE MARBLE.

4 NOV 92 180 LEVEL
SET UP A DRILL IN THE WEST VEIN
DRIFT. DRILLED FIVE HOLES IN THAT AREA.
CAME UP EARLY TO HELP BERNIE SET
UP THE AZA DISPLAY IN THE LAMP ROOM.
MOVED ALL PIPES TO 840
GATHERED UP ALL DRILLING GEAR AND
OTHER TOOLS AND MOVED IT ALL TO THE
STATION. COLLECTED A LAMP RING FROM
THE SLOPE ABOVE OLD SHAFT STATION.

5 NOV 92 NOBLE PIT
CONTINUED DIGGING FOR JEFFERSONITE
IN THE NOBLE PIT. HAD TO QUIT AT
10 AM DUE TO RAIN.

9 NOV 92 SURFACE
ATTENDED CEREMONY FOR NEW
EXHIBIT FROM AZA.

10 NOV 92 180 LEVEL
DRILLED HOLES IN W/V DRIFT AND
ON THE STATION. WEDGED OUT ROCK
IN 920 X-CUT AND ON THE STATION.
WASHED WALLS IN 920 X-CUT AND THE
GRAVITY TRAM. DISMANTLED ONE INCH
WATER LINE SOUTH OF 920 X-CUT.

11 NOV 92 180 LEVEL
DISMANTLED AIR AND WATER PIPES
IN THE GRAVITY TRAM. WEDGED OUT
SAMPLES IN THE WEST VEIN DRIFT.
FOUND A BARITE LOCATION IN THE
KEEL AND CHISELLED OUT SAMPLES.
WEDGED OUT RED CALCITE XLS FROM
THE SHEAR ZONE NORTH OF THE
WEST VEIN. (# 548)

13 NOV 92 NOBLE PIT
CONTINUED DIGGING FOR JEFFERSONITE.
SO FAR ONLY BIG CHUNKS WITH SMALL
XLS HAVE BEEN FOUND.

14 NOV 92 SURFACE
DENNIS AND ME WENT TO THE MINE
AFTER DARK TO CHECK SURFACE WITH
A BLACKLITE. FOUND THAT A HOLE I
DUG LAST YEAR PRODUCED WOLLASTONITE/
WILLEMITE SPECIMENS. THE WOOLY CANT
BE DISTINGUISHED IN DAYLIGHT.

16 NOV 92 180 LEVEL
CHISELLED OUT A FEW MORE CALCITE
XLS. HAND-DRILLED A HOLE IN THE
GRAVITY TRAM AND WEDGED OUT SOME
POWELLITE. FINISHED DISMANTLING AIR
AND WATER LINES IN GRAVITY TRAM
AND CARRIED A LOT OF THE PIPE TO
THE WEST VEIN DRIFT.

17 NOV 92 180 LEVEL
DISMANTLED AIR AND WATER LINES
IN THE NORTH END OF 900W. STOPE.
MOVED ALL PIPES OUT TO THE STATION.
GATHERED UP ALL DRILLING GEAR AND
OTHER TOOLS AND MOVED IT ALL TO THE
STATION. COLLECTED A LADDER RUNG FROM
THE SLOPE ABOVE OLD SHAFT STATION.

18 NOV 92 180 LEVEL
WENT UNDERGROUND WITH STEVE SO
HE COULD FINISH HIS PHOTOGRAPHY.
ALL USABLE STUFF IS NOW ON THE
STATION. WE ARE VIRTUALLY DONE WITH
UNDERGROUND STUFF. POKED SOME
LOOSE STUFF WITH A LONG BAR AT
THE SOUTH END OF 1015 STOPE. GOT
A PIECE TO FALL WHICH HAS A GOOD
FACE OF CALCITE XLS.

20 NOV 92 NOBLE PIT
DID MORE DIGGING FOR JEFFERSONITE.

23 NOV 92 NOBLE PIT
CONTINUED DIGGING FOR JEFFERSONITE
CRYSTALS. BROKE UP A GNEISS BOULDER
THAT HAD GREEN AND ORANGE STAINS.
HELPED BERNIE PACK UP THE AZA DISPLAY.

24 NOV 92 NOBLE PIT
DUG FOR JEFFERSONITE. PICKED UP TWO
GREEN FELDSPAR XL PIECES FOR AN ACID
BATH.

30 NOV 92 NOBLE PIT
DUG FOR JEFFERSONITE. FOUND A
FEW BETTER PIECES. USED MY CAP
LAMP TO EXPLORE SOME HOLES.

1 DEC 92 NOBLE PIT
CONTINUED EXTENDING THE HOLE
TOWARDS THE NORTH. STILL GETTING
SMALL XLS. NEED SOME LUCK.

2 DEC 92
WENT TO LIMECREST WITH DICK TO
HELP LOAD ROCK FROM THE FLUORITE,
SPHALERITE, GALENA, BARITE, PYRITE
OCCURANCE. THEY GAVE US A DUMP
TRAILER LOAD. HELPED STEVE UNLOAD
THE LAST CAGE LOAD OF STUFF
FROM 180 LEVEL.

DEC 92 ADIT
WORKED ON EXTENDING AIR AND
WATER LINES IN THE RAINBOW
TUNNEL.
ROOM FOR AIR PIPE LINE. THEY
AND WATER PIPES TO THE BACK BY THE
WOULD NOT TOUCH AN ELECTRIC LINE.
BAR, HAMMER AND CHISEL TO SCALE LOOSE
IN THE RAINBOW TUNNEL. SHOULDED UP
THREE WHEELBARROW LOADS OF LOOSE ROCK
DUMPED IT OUTSIDE.

6 DEC 92 180 LEVEL
SHOWED BERNIE SOME GOOD
PLACES TO TAKE PICTURES. WE
PLANKED OFF THE ORE PASS AND
SALVAGED A FEW ITEMS FROM THE
MIXING STATION.

7 DEC 92 ADIT
SET UP A DRILL IN THE RAINBOW
TUNNEL. DRILLED HOLES FOR PIPE
HANGERS AND KNOCKED DOWN SOME
LOOSE. STARTED HANGING PIPE.

8 DEC 92 ADIT
HUNG MORE AIR AND WATER PIPES
IN THE RAINBOW TUNNEL.

10 DEC 92 ADIT
ADDED ONE WATER PIPE AND PUT
VALVES ON BOTH WATER LINES. DRILLED
SOME MORE HOLES FOR PIPE HANGERS.
DRILLED OUT PART OF THE BACK TO MAKE
ROOM FOR AIR PIPE LINE. BOLTED AIR
AND WATER PIPES TO THE BACK SO THEY
WOULD NOT TOUCH AN ELECTRIC LINE.

11 DEC 92

ADIT

FINISHED PIPE WORK IN RAINBOW TUNNEL. WE WILL BE READY TO DRILL IF WE CAN EXTEND THE EAST CROSS CUT. STILL HAVE TO RUN PIPES OUTSIDE TO THE EAST SIDE OF THE PASSAIC PIT.

14 DEC 92

RAINBOW TUNNEL

SCALED LOOSE. MOVED GEAR NEEDED FOR ROCKBOLTING TO THE EAST TUNNEL. STARTED BOLTING BUT THERE WAS SO MUCH WATER IN THE COMPRESSED AIR THAT THE DRILL FROZE UP. CLEANED UP ROCK THAT HAD BEEN SCALED,

15 DEC 92

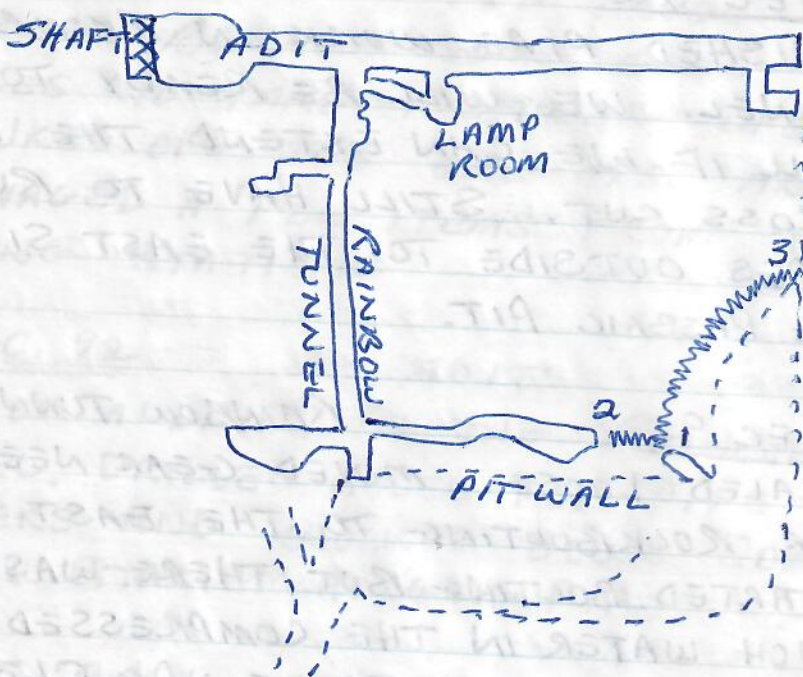
RAINBOW TUNNEL

SWITCHED TO ANOTHER DRILL THAT IS LESS LIKELY TO FREEZE UP. SCALED AND BOLTED IN THE EAST TUNNEL. 5 BOLTS.

17 DEC 92

RAINBOW TUNNEL

PACKED UP DRILLING GEAR AND MOVED IT TO THE SHAFT STATION. USED A BAR, HAMMER AND CHISEL TO SCALE LOOSE IN THE RAINBOW TUNNEL. SHOVELLED UP THREE WHEELBARROW LOADS OF LOOSE ROCK AND DUMPED IT OUTSIDE.



NEW PLAN REQUIRES DRIVING FROM 1 TO 2 & 3.

21 DEC 92 ADIT

SPENT THE MORNING REORGANIZING A STORAGE SHED IN THE ADIT. WE NEED MORE STORAGE ROOM. ATTENDED A TRUSTEE MEETING THIS AFTERNOON.

22 DEC 92 ADIT

GOT THE REORGANIZATION OF THE STORAGE SHED PRETTY WELL DONE. SPENT THE AFTERNOON LOADING 13 CRATES, COMPRIZING THE AZA DISPLAY, ON A TRACTOR TRAILER.

23 DEC 92 ADIT

HELPED BOB DISPOSE OF SEVEN LARGE BATTERIES FROM THE SHED. CLEANED UP THE SHAFT STATION FOR NEXT WEEKS BUSINESS. CUT HOLES IN THE WALLS OF THE RAINBOW TUNNEL PORCH AND STARTED AIR AND WATER PIPES ACROSS THE PASSAIC PIT.

2 JAN 93 PASSAIC PIT

DRILLED HOLES IN THE NORTH WALL OF THE PASSAIC PIT AND PUT UP 40' OF 2" PIPE. ADJUSTED THE ONE INCH LINE SO IT COULD BE DRAINED.

4 JAN 93 PASSAIC PIT

DRILLED HOLES AND HUNG 80' OF AIR LINE. HELPED BOB LOAD THE BATTERIES (SEE 23 DEC) IN HIS TRUCK.

5 JAN 93 ADIT

THE STUFF WE SALVAGED IN THE PAST THREE YEARS WAS PILED UP, HELTER SKELTER, ALL OVER THE PLACE. TODAY I WORKED ON SORTING AND ORGANIZING SO I CAN FIND WHAT I NEED FOR THE NEW AIR AND WATER LINES ACROSS THE PASSAIC PIT.

6 JAN 93 ADIT - PASSAIC PIT
MADE UP TEN 1" VICTAULIC CONNECTORS AND WORKED ON AIR AND WATER LINES IN THE PASSAIC PIT.

8 JAN 93 ADIT - PASSAIC PIT.
WORKED ON THE AIR AND WATER LINES ACROSS THE PASSAIC PIT. SORTED JUNK ON THE SHAFT STATION.

13 JAN 93 PASSAIC PIT
PUT A VALVE ON THE END OF THE WATER LINE. SET UP FOR ROCK BOLTING. PUT IN TEN 8' BOLTS AND ONE 6' BOLT. TRYING TO HOLD THE OLD TUNNEL AREA. WORKED IN A STEADY DRIZZLE. HAVE TO WORK WHEN THE TEMPERATURE IS ABOVE FREEZING. DRAINED WATER LINE WHEN I QUIT WORKING.

14 JAN 93 PASSAIC PIT

SCALED AND BOLTED AROUND THE ENTRANCE TO THE OLD TUNNEL. A LARGE HOLE APPEARED IN THE EAST VEIN FILL QUARRY OVERNIGHT. HAD TO HELP BOB MOVE HIS BROTHER'S TRAILER BEFORE IT WENT INTO THE HOLE. 11 BOLTS.

15 JAN 93 PASSAIC PIT

SCALED AND BOLTED IN THE OLD TUNNEL. 14 BOLTS. STEVE CHECKED 180 LEVEL AT 11AM. THE WATER WAS ONE FOOT BELOW THE STATION.

17 JAN 93 PASSAIC PIT

SCALED AND BOLTED IN THE OLD TUNNEL. ELEVEN BOLTS. WORKED THRU A VERY LOOSE AREA.

20 JAN 93 PASSAIC PIT

SCALED AND BOLTED IN THE OLD TUNNEL. 15 BOLTS. HAD TO REPLACE A FROZEN WATER HOSE.

21 JAN 93 PASSAIC PIT #11

PUT IN THE LAST 3 BOLTS THAT COULD BE ANCHORED IN THE THIN WALL AT THE ENTRANCE OF THE OLD TUNNEL. DRILLED ELEVEN HOLES STRAIGHT THRU THE WALL. THESE HOLES WILL BE BOLTED USING THREADED ROD AND NUTS & PLATES. WANTAGE EXCAVATING DUMPED INTO VARIOUS HOLES.

22 JAN 93 PASSAIC PIT

STRUNG OUT A PLASTIC TUBE FROM THE EAST TUNNEL TO THE OLD TUNNEL. FILLED THE TUBE WITH WATER AND MARKED THE ELEVATION OF THE OLD TUNNEL.

26 JAN 93 ADIT

GATHERED TOGETHER THE VARIOUS PARTS NEEDED TO BOLT THE THIN WALL AT THE ENTRANCE TO THE OLD TUNNEL. CLEANED UP RUST AND OTHERWISE RENDERED THEM INTO A USABLE CONDITION.

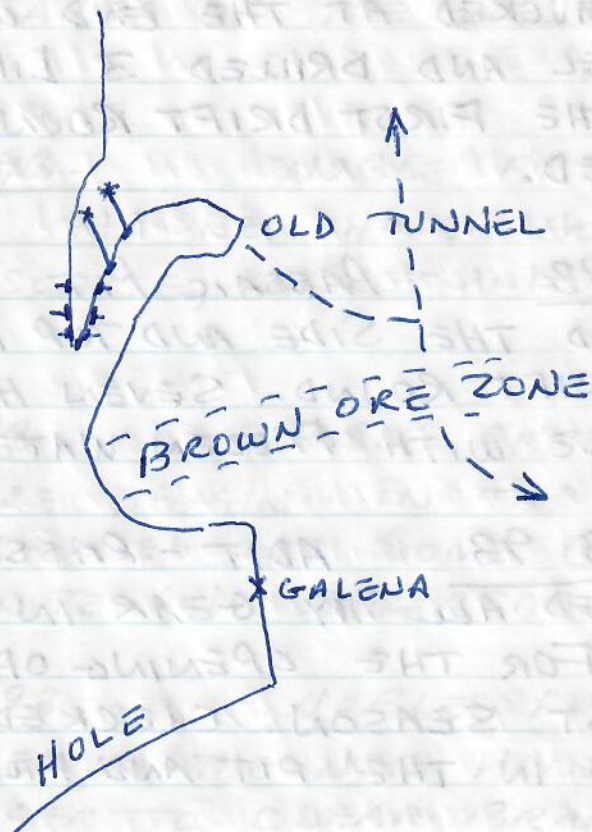
BOLTING ATTACHED STEEL BOLTS AND CONCRETE BOLTS STRUNG TO HOLD THE OLD TUNNEL AREA. WORKED IN A STEADY DRIZZLE. HAVE TO WORK WHEN THE TEMPERATURE IS ABOVE FREEZING. DRAINED WATER LINE WHEN I QUIT WORKING.

28 JAN 93

PASSAIC PIT

BOB USED A TORCH TO CUT STEEL STRAPS AND WE BOLTED THE THIN WALL OF THE OLD TUNNEL.

PASSAIC
PIT



3 FEB 93

DICK TOLD ME THAT OUR STARTING DATE FOR THE NEW TUNNEL WORK HAD BEEN PUT OFF AGAIN. HELPED BOB PICK UP GLASS FOR NEW DISPLAY CASES. BOB, AL. G., AND I EXPLORED THE OLD WORKINGS AT FRANKLIN FROM THE TROTTER SHAFT TO HIGH STREET. PHILLIPS WILL LET US COLLECT THERE FOR THE MUSEUM.

4 FEB 93 PASSAIC PIT

PUT IN THREE MORE 6' BOLTS AT THE ENTRANCE OF THE OLD TUNNEL. DRILLED 2 HOLES FOR A STEEL RACK. HAND MUCKED AT THE END OF THE TUNNEL AND DRILLED 3 LIFTERS FOR THE FIRST DRIFT ROUND. DENNIS HELPED.

8 FEB 93 PASSAIC PIT

DRILLED THE SIDE AND TOP HOLES IN THE DRIFT ROUND. SEVEN HOLES. HAD TROUBLE WITH FROZEN WATER HOSES.

23 FEB 93 ADIT - PASSAIC PIT

STOWED ALL MY GEAR IN PREPARATION FOR THE OPENING OF THE TOURIST SEASON. CHECKED OUT THE HOLES IN THE PIT AND FILL QUARRY.

3 MAY 93 NOBLE PIT

DID MORE DIGGING FOR JEFFERSONITE. GAVE UP ON THE FIRST HOLE AND STARTED A NEW ONE. WATER CAN NOW BE SEEN IN THE HOLE AT THE NORTHEAST EDGE OF THE MUD ZONE.

6 MAY 93 SURFACE
WALKED AROUND THE PASSAIC AND NOBLE PIT WITH ELNA. FOUND A FEW INCHES OF WATER IN THE LOWEST AREA OF THE WEST VEIN STOPE.

7 MAY 93 NOBLE PIT
DUG IN THE NEW HOLE. GOT SOME JEFFERSONITE, GARNET AND FRANKLINITE.

10 MAY 93 NOBLE PIT
DID MORE DIGGING IN THE NEW HOLE. CARRIED OUT SOME GARNET, FRANKLINITE AND JEFFERSONITE.

12 MAY 93 NOBLE PIT
CONTINUED IN THE NEW HOLE. USED A CLIPPER TO CLEAR BRANCHES ALONG THE TRAIL. THE HOLE AT THE NORTH END OF THE FILL QUARRY HAS EXPANDED SLIGHTLY.

14 MAY 93 NOBLE PIT
DUG FURTHER IN NEW HOLE. WAS ASSISTED BY FRED KIRK. WE FOUND A FEW CRYSTALS.

17 MAY 93 NOBLE PIT

DID MORE DIGGING IN CURRENT HOLE. STILL NO COMPRESSOR.

21 MAY 93 NOBLE PIT

DID MORE DIGGING IN NEW HOLE.

WANTAGE EXCAVATING CAME IN TODAY AND WORKED ON FILLING HOLES

AND BUILDING A BERM IN FRONT OF THE TUNNEL.

24 MAY 93 PASSAIC PIT

THE NEW COMPRESSOR ARRIVED

THIS WEEKEND. WE WILL SET IT

UP WHEN WANTAGE IS FINISHED

IN THE PASSAIC PIT.

25 MAY 93 PASSAIC PIT

USED THE EIMCO TO MUCK OUT

THE OLD TUNNEL. SET UP THE

NEW COMPRESSOR.

26 MAY 93 PASSAIC PIT

WENT DOWN AN OLD RAISE INTO THE

PASSAIC ZINC CO. STOPE JUST NORTH

OF THE FILL QUARRY. OBSERVED WATER

LEVEL. SET UP THE LONG HOLE DRILL ON

THE EIMCO AND STARTED CENTER CUT

IN DRIFT. SIDE BOLT ON DRILL BROKE

ON SECOND HOLE.

D'ARRIGO'S ENTERPRISES

ANGOLA ROAD
CORNWALL, N.Y. 12518
(914) 534-5815



CUSTOMER'S ORDER NO.

PHONE

201-827-9524

DATE

Aug. 3, 1992

NAME

John Kolic

ADDRESS

48 Mabie Street
Franklin, N.J. 07416

SOLD BY

PD

CASH

C.O.D.

CHARGE

ON ACCT.

MDSE. RET'D.

PAID OUT

QTY.

1 pr

DESCRIPTION

Neoprene cherron
snugleg boots
#9060 size 10
(includes smoder charge)

PRICE

AMOUNT

65.00

tax

4.71

69.71

plus shipping
& COD charge

-No Refunds On Electrical Merchandise-

TAX

TOTAL

RECEIVED BY

All claims and returned goods
MUST be accompanied by this bill.

PRODUCT 610

Thank You

100
11
13
17
57
18
MOU

27 MAY 93 NOBLE PIT

NEW BOLT WILL NOT ARRIVE TIL
TUESDAY. DID MORE DIGGING IN
NOBLE PIT.

1 JUN 93 NOBLE PIT

NEW BOLT DID NOT ARRIVE. DID
MORE DIGGING IN NOBLE PIT.

2 JUN 93 NOBLE PIT

STILL NO BOLT. CONTINUED DIGGING
IN THE NOBLE PIT.

11 JUN 93 NOBLE PIT

WAITING FOR LOCAL SHOP TO
MAKE NEW BOLT. DID MORE
DIGGING IN NOBLE PIT. BROKE
THE HANDLE ON THE MATTOCK.
WATER LEVEL STILL RISING VERY
SLOW.

17 JUN 93 NOBLE PIT

STILL WAITING FOR NEW BOLT WHICH
IS NOW BEING HEAT TREATED. DID
MORE DIGGING IN NOBLE PIT.

FOR BOLT.

28 JUN 93 PASSAIC PIT

THE DRILL WAS REPAIRED YESTERDAY.

STEVE AND I FINISHED THE BURN HOLES. GOT TWO 55 GALLON DRUMS OF DIESEL FUEL AND FUELED UP THE COMPRESSOR. SET UP THE "53" AND FINISHED THE DRIFT ROUND.

STARTED THIS ROUND ON FEB 4TH.

THE BOLT FOR THE DRILL CAME FROM A DIFFERENT SOURCE. STILL

WAITING FOR HEAT TREATING ON THE OTHER SOURCE.

29 JUN 93 PASSAIC PIT

ROCK BOLTED IN THE OLD TUNNEL. ELEVEN BOLTS.

30 JUN 93 PASSAIC PIT

PLANNED ON BOLTING THE WALL ABOVE THE OLD TUNNEL. THE EIMCO

WOULD NOT START SO WE PUT THE BATTERY ON CHARGE AND FINISHED

BOLTING INSIDE THE TUNNEL.

SEVEN BOLTS. USED A BLOW PIPE TO CLEAN OUT THE HOLES IN THE DRIFT ROUND.

7 JUL 93 PASSAIC PIT

WAS ABLE TO BOLT THE WALL ABOVE THE OLD TUNNEL BY DRILLING OUT OF THE EIMCO BUCKET. 16 BOLTS. ATTACHED A CHAIN TO A TREE ABOVE THE WALL. WAS ABLE TO SCALE DOWN A BIG SLAB BY HANGING FROM THE CHAIN. CLOUDY CONDITIONS KEPT THE TEMPERATURE MUCH COOLER THAN NORMAL.

9 JUL 93 PASSAIC PIT

DRILLED TWO HOLES ABOVE THE OLD TUNNEL. USED THE EIMCO TO GET HIGH ENOUGH. THESE HOLES WILL BE USED TO HANG A BLASTING MAT OVER THE TUNNEL ENTRANCE. QUIT AFTER TWO HOLES DUE TO EXCESSIVE HEAT.

10 JUL 93 PASSAIC PIT

STARTED WORK AT 7AM TO AVOID THE HEAT OF THE DAY. IT WAS HOT ANYWAY. DRILLED TWO MORE HOLES FOR THE BLASTING MAT. GOT AN EXTENSION LADDER AND ATTACHED TWO CHAINS ABOVE THE TUNNEL WITH A THREE FOOT BOLT.

12 JUL 93 PASSAIC PIT
SET UP A PIECE OF RAIL ABOVE
THE TUNNEL AND HUNG THE
MAT ON IT. BOB HAD TO USE
HIS LOADER TO LIFT THE MAT
HIGH ENOUGH.

13 JUL 93 PASSAIC PIT
TOOK CARE OF A FEW MINOR
DETAILS AROUND THE TUNNEL IN
PREP. FOR BLASTING. BERNIE
CALLED TODAY TO SAY WE CANT
SHOOT TIL MONDAY DUE TO A LACK
OF CAPS.

17 JUL 93 WARREN FURNACE
MET PAT RODAMSKI AT THE
MINE AND HE TOOK US TO SEE
THE RUINS OF THE OLD WARREN
FURNACE AT HACKETTSTOWN. THERE
IS A PILE OF MARBLE AT THE
SITE WHICH FLUORESCES BRIGHT
RED. SOME PIECES CONTAIN A LITTLE
GREEN. FOUND SOME BRICKETTES
MADE OF COAL MIXED WITH ^{P.} ALSO
LOTS OF SLAG AND CHUNKS OF IRON.
THE MARBLE LOOKS LIKE BUCKWHEAT
DUMP MATERIAL.

20 JUL 93 PASSAIC PIT
BROUGHT IN AN END FOR AN AIR
HOSE AND REPAIRED THE HOSE IN
THE OLD TUNNEL. SHOWED STEVE
SANFORD AROUND.

21 JUL 93 PASSAIC PIT
FRED FINALLY OBTAINED THE RIGHT
BLASTING CAPS. WE LOADED UP AND
FIRED AT 9:30 AM. WE BUILT A WALL
OF HAY BALES INSIDE THE TUNNEL.
IT WAS SUCCESSFUL IN KEEPING
THE NOISE LOW ENOUGH. STEVE M.
MUCKED OUT. WE FOUND FLUORITE
LIKE THE STUFF IN THE GRAVITY
TRAM. SET UP THE "53" AND DRILLED
SIX HOLES FOR THE NEXT ROUND.

22 JUL 93 PASSAIC PIT
FINISHED THE DRIFT ROUND. DUE TO
A HIGH SPOT IN THE FLOOR WE
COULDN'T GET THE EIMCO BUCKET
LOW ENOUGH TO DRILL THE REGULAR
PATTERN. HAD TO PUT THE BURN
CLOSE TO THE TOP.

23 JUL 93 NEW TUNNEL

LOADED THE ROUND AND FIRED AT 9 AM. BROKE GOOD. STEVE MUCKED OUT. WE WASTED TWO HOURS REPAIRING THE EIMCO. SET UP THE "53" AND DRILLED SIX HOLES IN THE NEXT ROUND.

26 JUL 93 NEW TUNNEL

FINISHED DRILLING THE DRIFT ROUND. DRILLED SOME PIN HOLES FOR THE SURVEYOR.

27 JUL 93 NEW TUNNEL

LOADED AND FIRED THE ROUND AT 8:50 AM. BROKE PERFECT. STEVE MUCKED OUT. EIMCO BROKE DOWN AGAIN. THIS TIME WE WERE ABLE TO MAKE A MORE PERMANENT REPAIR. SET UP THE "53" AND USED IT TO KNOCK DOWN SOME LOOSE. DRILLED SIX HOLES IN THE NEXT ROUND. HAD SOME VISITORS FROM THE CHARLES EDISON FOUNDATION.

LOTS OF SLAG AND CHUNKS OF IRON. THE MUCKLE LOOKS LIKE BUG WHEAT DUMP MATERIAL.

28 JUL 93 NEW TUNNEL
DRILLED FOUR SIDE HOLES. SET
UP THE LONG-HOLE MACHINE AND
DRILLED TWO 4" CENTER HOLES.

29 JUL 93 NEW TUNNEL
DRILLED 15 HOLES TO FINISH
THE DRIFT ROUND. DRILLED OUT
SOME ROCK TO MAKE A PLACE TO
INSTALL A STEEL GATE. IT WILL
REPLACE THE BLASTING MAT.
THE MAT IS A PAIN TO USE.

30 JUL 93 NEW TUNNEL
LOADED AND FIRED AT 8:45 AM.
BROKE GOOD. HIT A THICK BAND
OF LOW GRADE BLACK ORE.
STEVE MUCKED OUT. SET UP THE
"53" AND DRILLED ALL TEN
PERIMETER HOLES.

2 AUG 93 NEW TUNNEL
FINISHED DRILLING THE DRIFT ROUND.
DRILLED A HOLE IN THE FLOOR FOR
THE NEW GATE. GOT \$230 FOR
DRIFT WORK AND \$2012 FOR MINERALS.

3 AUG 93 NEW TUNNEL
LOADED THE ROUND AND FIRED AT
8:50 AM. BROKE VERY GOOD. STILL
IN BLACK ORE. STEVE MUCKED OUT.
WE SET UP THE "53" AND DRILLED
HALF A STRIP ROUND. WE ARE
GONNA TURN AT RIGHT ANGLES
HERE AND NEED DRILLING ROOM.
THE "53" QUIT AND HAD TO BE
REPLACED.

4 AUG 93 NEW TUNNEL
FINISHED THE STRIP ROUND AT
11:30 AM. THE BLASTER CAME IN
AT 4 PM AND WE FIRED THE STRIP
AT 5:50 PM. WE USED MILLISECOND
CAPS. THE FORCE OF THE AIR BLAST
PUSHED BOB'S LOADER BACK. THE
ROUND BROKE GOOD.

5 AUG 93 NEW TUNNEL
SET UP THE "53" AND STARTED A NEW
ROUND. TURNED 90°. NOW GOING WEST.
USED A NEW BIT ON THE LONG HOLE
DRILL.

6 AUG 93 NEW TUNNEL
FINISHED DRILLING THE DRIFT
ROUND. DRILLED SOME HOLES
BACK THRU THE DRIFT AND PUT
IN PIPE HANGERS.

9 AUG 93 NEW TUNNEL
LOADED THE ROUND AND FIRED
AT 8:40 AM. BROKE GOOD. STEVE
MUCKED OUT MOST OF IT AND THEN
RAN OUT OF FUEL. HE SPENT
THE REST OF THE DAY TRYING TO
PRIME THE FUEL SYSTEM.

10 AUG 93 NEW TUNNEL
STEVE STILL UNABLE TO GET
THE FUEL SYSTEM PRIMED. REPAIRED
A LEAKY CONNECTION IN THE
WATER PIPE. FRED KIRK GOT THE
EIMCO GOING AFTER DINNER.

11 AUG 93 NEW TUNNEL
STEVE FINISHED MUCKING. SET UP
THE "53" AND DRILLED TEN OUTSIDE
HOLES. DRILLED TWO 4" CENTER
HOLES WITH THE LONGHOLE DRILL.
GOT \$ 230 FOR DRIFT WORK, THIS
IS FOR 20' TO 40'. \$460 TOTAL.

12 AUG 93 NEW TUNNEL

DRILLED 15 HOLES TO FINISH THE
DRIFT ROUND. DRILLED MORE HOLES
FOR PIPE HANGERS.

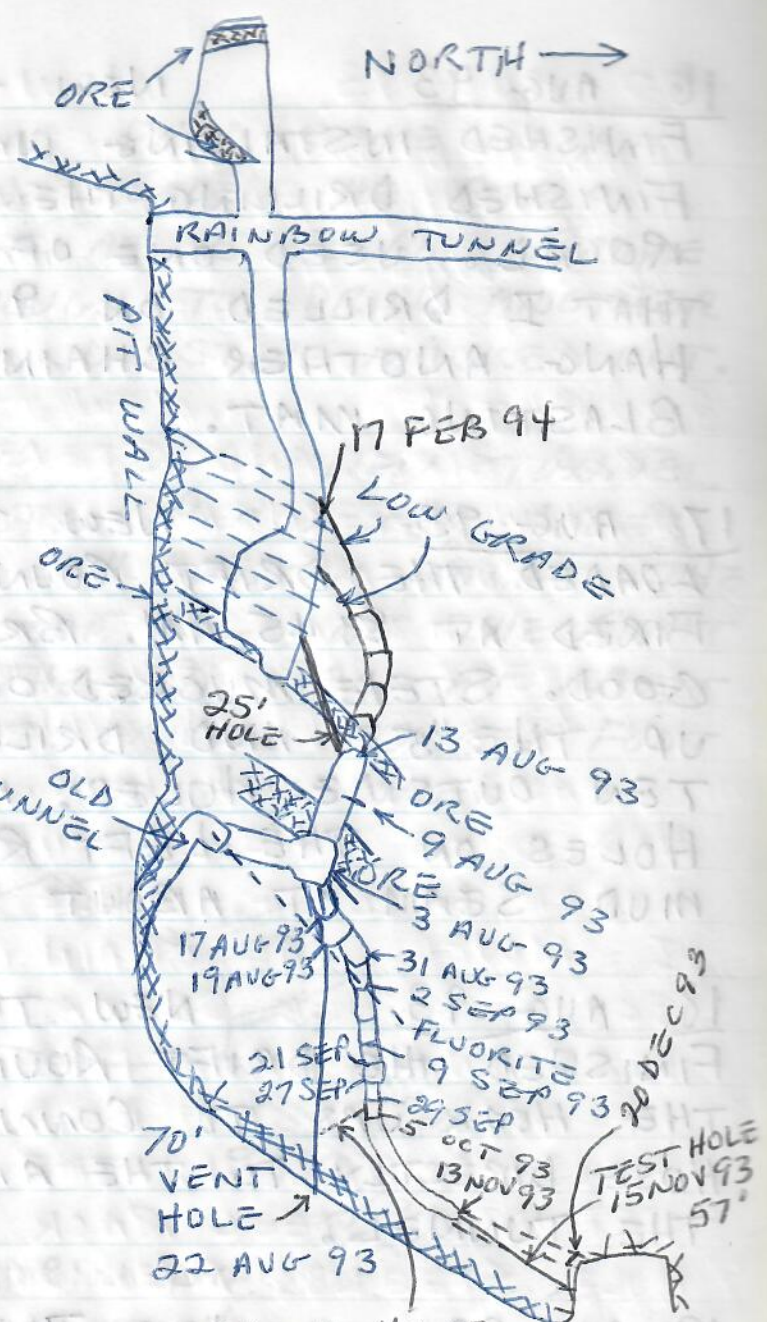
13 AUG 93 NEW TUNNEL

LOADED THE DRIFT ROUND AND
FIRED AT 8:20 AM. BROKE
PERFECT. THE CABLE SUPPORTING
ONE END OF THE BLASTING MAT
BROKE. WE HAD TO ADJUST THE
WAY WE HANG IT TO GET IT INTO
POSITION FOR THE SHOT. NEEDS
SOME MORE ADJUSTMENT FOR THE
NEXT SHOT. STEVE MUCKED OUT.

SET UP THE "53" AND DRILLED
TEN HOLES ON THE NEXT ROUND,
GOING ~~WEST~~ ^{EAST} THIS TIME. RAN
INTO A ZONE OF LARGE GRAINS
OF GRAY WILLEMITE. THEY GRADE
INTO YELLOW.

14 AUG 93 NEW TUNNEL

WORKED ON INSTALLING AIR AND
WATER PIPES IN THE TUNNEL.



NORTH →

ORE

RAINBOW TUNNEL

PIT WALL

17 FEB 94

LOW GRADE

ORE

25' HOLE

13 AUG 93

OLD TUNNEL

ORE

9 AUG 93

3 AUG 93

17 AUG 93

19 AUG 93

31 AUG 93

2 SEP 93

FLUORITE

9 SEP 93

21 SEP

27 SEP

29 SEP

5 OCT 93

13 NOV 93

20 DEC 93

70' VENT HOLE

TEST HOLE 15 NOV 93 57'

22 AUG 93

SECOND VENT HOLE 6-7 OCT 93

... AND DRILLED EIGHT STRIP HOLES. STEVE MUCKED OUT & SET UP THE OF THE HOLES ON THE LEFT. AT 8:40 AM. THE POWDER BLEW OUT 35' BORDERED TO 7 OCT 93