22 JUN 94
NEW TUNNEL
DRILLED 1.5 OUTSIDE HOLES.
DRILLED TWO 4" CENTER HOLES.
DRILLED 15 INSIDE HOLES. PUMPED OUT THE HEADING. PREPARED FOR BLASTING. FRED CAME IN AT 5:45. WE LOADED THE ROUND AND FIRED AT 6:55. BROKE GOOD. THE TOP OF THE FACE IS IN THE BROWN WILEMITE ZONE. STEVE STAYED TO MUCK OUT.

23 JUN 94
NEW TUNNEL
THE EIMCO BROKE DOWN AGAIN. STEVE WORKED ON IT ALL MORNING. I ADDED A 20' PIECE TO THE VENT LINE AND A 20' PIPE TO THE AIR LINE. STEVE FINISHED MUCKING AFTER LUNCH. SET UP THE "53" AND DRILLED NINE OUTSIDE HOLES. MEASURED THE DECLINE. IT IS NOW 110' LONG. TOTAL ON THE NEW TUNNEL IS NOW 563.5'.
A is 48" above floor
A and C' same elev.
C' 52" above C"
C" and D' same elev.
D' is 72" above D"
D" and E same elev.
E is 72" above floor

\[
\begin{align*}
52" & \quad + 72" \\
\hline
124 & \quad + 2.5 \\
\hline
12'4" & \\
\end{align*}
\]

\[
\begin{align*}
103 & \quad + 12 \\
12 & \quad + 040 \\
\hline
12'124 & \\
\end{align*}
\]
BACK AT E ABOUT 4' BELOW FLOOR AT A.

C' 52" ABOVE C"

D' 72" ABOVE D"

E 72" ABOVE FLOOR

D" 6" ABOVE FLOOR

C" 28" ABOVE FLOOR

A 66" ABOVE FLOOR
93 -  
430
250
180
11.5
900
180
180
207,000 TO DATE '94
2,000.00 EXPECTED
1,000.00 EXPECTED
790.92 INT. LAST YEAR
4,000.00 - EXPECTED ON MINERALS
24 JUN 94
NEW TUNNEL
DRILLED ONE OUTSIDE HOLE. DRILLED FOUR TEST HOLES LOOKING FOR THE N.E. DRIFT. FOUND IT SEVEN FEET ABOVE THE DECLINE. DRILLED A 4" HOLE TO CONNECT THE DRIFTS. DRILLED TWO 4" CENTER HOLES IN THE NEXT ROUND. PUMPED OUT THE HEADING. RAN THE DISCHARGE HOSE THRU THE NEW VENT HOLE, PLUGGED THE 13/8" HOLE THAT HIT THE N.E. DRIFT AND FILLED IT WITH GROUT. GOT $345 FOR DRIFT WORK. NOW PAID TO 550'.

27 JUN 94
NEW TUNNEL
DRILLED 15 INSIDE HOLES. THE PUMP WOULD NOT WORK SO WE BAILED OUT THE HEADING WITH BUCKETS. PREPARED FOR BLASTING. FRED CAME IN AT 5:45. WE LOADED THE ROUND AND FIRED AT 7:10 PM. BROKE GOOD. FOUND SOME LONG WAVE BARITE.
28 Jun 94  New Tunnel
Set up the "53" and drilled
ten outside holes. Set up the
longhole drill and drilled two
4" center holes. Pump would not
work. Bailed water into the Eimco
bucket. Removed three loads.

29 Jun 94  New Tunnel
Drilled 15 inside holes.
Prepared for blasting. Bailed
out the heading. Two Eimco loads.

30 Jun 94  New Tunnel
Met Fred at 6:30 AM. We loaded
the round and fired at 8:00 AM.
Broke good. Steve mucked out. Hand
mucked and set up the "53". Drilled
ten outside holes. They all hit the
hanging wall. Drilled 1/3 of a 4"
center hole.

South Rib

\[\text{Diagram of ore and rock types} \]
1 JUL 94  NEW TUNNEL  DRILLED 1 3/4" CENTER HOLES.  DRILLED 15 INSIDE HOLES. PREPARED FOR BLASTING. FRED CAME IN AT 7 PM. WE LOADED THE ROUND AND FIRED AT 8:10 PM. BROKE GOOD. THE DRIFT IS THRU THE ORE AND INTO THE H/W. GOT #230 FOR DRIFT WORK. NOW PAID TO 570'.

5 JUL 94  NEW TUNNEL  DRILLED A TEST HOLE TO THE EAST VEIN STOPE. HIT IT AT 44'. HIT A SOFT SPOT AT 20' WHICH ABSORBED ALL THE WATER AND CUTTINGS FROM 20' TO 44'. THE HOLE CAME OUT 2' ABOVE THE HIGH WATER MARK IN THE STOPE AND RIGHT ACROSS FROM THE H/W DRIFT. NOW WE HAVE SOMETHING TO FOLLOW. SET UP THE "53" AND DRILLED SIX OUTSIDE HOLES. THE NINE FOOT STEEL BROKE ON THE SEVENTH HOLE. OUR WATER PUMP WORKS GOOD NOW THAT WE HAVE THE TEST HOLE TO DISCHARGE INTO. LESS HEAD.
6 JUL 94  NEW TUNNEL
GOT A NEW 9' STEEL AND DRILLED FOUR MORE OUTSIDE HOLES. USED THE BIG DRILL TO DRILL TWO 4" CENTER HOLES. DRILLED 14 INSIDE HOLES. PREPARED FOR BLASTING. STEVE HAD TO MAKE A SAFETY CIRCUIT REPAIR ON THE COMPRESSOR.

8 JUL 94  NEW TUNNEL
WENT IN AT 5 PM AND BAILED 13 PAILS OF WATER OUT OF THE HEADING. BLEW OUT THE BOTTOM HOLES AGAIN. FRED CAME IN AT 5:45. WE LOADED THE ROUND AND FIRED AT 7 PM. HAD TO USE A NEW SEQUENCE OF CAPS BECAUSE FRED WAS SHORT ON 10's AND 12's. BROKE GOOD. STEVE STAYED TO MUCK OUT.

11 JUL 94  NEW TUNNEL
SET UP THE "53" AND DRILLED TEN OUTSIDE HOLES. TWO OF THE TOP HOLES HIT AN OPEN SEAM. DRILLED TWO 4" CENTER HOLES. WILL HOLD THE BURN TO 8' TO AVOID THE SEAM. CLEANED UP AROUND THE HOLE IN THE EAST VEIN SO IT CAN BE EXAMINED SAFELY.
15 JUL 94  NEW TUNNEL
DRILLED 15 INSIDE HOLES, DRILLED  SHORT HELPER HOLES FOR SIX OF THEM. PREPARED FOR BLASTING. FRED CAME IN AT 6 PM. WE LOADED THE ROUND AND FIRED AT 7:10. BROKE GOOD. GOT $230 FOR DRIFT WORK. NOW PAID TO 590'.

WHEN HOLE A GOES OFF GAS PRESSURE BLOWS POWDER OUT OF HOLE B FROM THE MUD SEAM TO THE FACE. THAT CAN CAUSE THE ROUND TO FAIL TO BREAK. SHORT HOLE C LOADED WITH THE SAME CAP NUMBER PREVENTS THAT.

18 JUL 94  NEW TUNNEL
SET UP THE "53" AND USED IT TO KNOCK DOWN SOME LOOSE. THE SEAMS WE JUST WENT THRU MAKE BAD GROUND CONDITIONS. DRILLED TEN OUTSIDE HOLES. DRILLED TWO 4" CENTER HOLES. FOUND ANOTHER MUD SEAM AT SIX FEET. WILL HAVE TO HOLD THIS ROUND BACK TO A FIVE FOOTER.
19 JUL 94  NEW TUNNEL
DRILLED 15 INSIDE HOLES. DRILLED
EIGHT SHORT HELPER HOLES.
PREPARED FOR BLASTING. FRED
CAME IN AT 5:25 PM. WE LOADED
THE ROUND AND FIRED AT 6:45 PM.
BROKE GOOD.

20 JUL 94  NEW TUNNEL
SET UP THE "53" AND KNOCKED DOWN
SOME LOOSE. DRILLED TEN OUTSIDE
HOLES. HAD TO DRILL TWO FIVE FOOT
HELPER HOLES. DRILLED TWO 4"
CENTER HOLES. MET DOUG FRANSCISCO
AT THE MINE AT 6 PM. WE DISCUSSED
THE RAISE ROUNDS HE IS GOING TO DRILL.

21 JUL 94  NEW TUNNEL
DRILLED 13 INSIDE HOLES. THE
COMPRESSOR IS MESSSED UP AGAIN.
GOT $230 FOR DRIFT WORK. NOW
PAID TO 610'.

22 Jul 94  NEW TUNNEL
WENT IN AT 6 AM TO FINISH
THE ROUND. PREPARED FOR BLAST-
ING. FRED CAME IN AND WE
LOADED THE ROUND. FIRED AT
8:130 AM. BROKE VERY GOOD.
STEVE MUCKED OUT.

25 Jul 94  NEW TUNNEL
MEASURED THE DISTANCE TO THE
EAST VEIN STOPE. 8' WILL DRILL
A SEVEN FOOT ROUND. SET UP
THE "53" AND DRILLED TEN OUTSIDE
HOLES. DRILLED TWO 4" CENTER
HOLES.

26 Jul 94  NEW TUNNEL
DRILLED 15 INSIDE HOLES, BLEW OUT
HOLES AND PREPARED FOR BLASTING.

28 Jul 94  NEW TUNNEL
MET FRED AT THE MINE AT 8 AM. WE
LOADED THE ROUND AND FIRED AT ABOUT
9:25 AM. BROKE INTO THE OLD EAST
VEIN STOPE IN GOOD SHAPE. STEVE
MUCKED OUT. RICH LUZZI AND ME HAND
MUCKED AT THE END TO PREVENT ORE
FALLING INTO THE STOPE. THERE IS A
ONE FOOT HIGH LIP AT THE END. WE WILL
LEAVE IT FOR NOW AS A BERM.
29 JUL 94
NEW TUNNEL
WORKED IN THE N.E. TUNNEL NEAR THE END. I AM DRILLING A STRIP 4' DEEP X 8' LONG. A POWER PANEL WILL BE INSTALLED THERE. DRILLED 12 NINE FOOT HOLES AND 3 SEVEN FOOT HOLES. STEVE USED THE EIMCO TO MOVE MUCK FROM THE WASTE PILE AND DUMP IT IN THE EAST VEIN STOPE.

1 AUG 94
NEW TUNNEL
DRILLED 5\(\frac{1}{2}\) HOLES TO FINISH THE STRIP ROUND. BLEW OUT THE HOLES AND CLEARED AWAY ALL GEAR. STEVE TRAMMED MUCK TO THE STOPE. AFTER LUNCH WE SET UP THE LONG HOLE MACHINE TO DRILL A 4" CENTER HOLE FOR A RAISE. THE BORO SHUT OFF THE WATER DUE TO PIPELINE CONSTRUCTION. QUIT FOR THE DAY. MEASURED THE DECLINE. 180'. TOTAL OF JOB NOW 633.5'.

6:55 W.M. Back to New Plunge. Steve went up in mine. Chuck Ross and I cleared out the methoding and put bolters in the east face. There is a one foot high rib at the end. The wall face is a dream and the set is made up of a couple of benches.
2 Aug 94  
New Tunnel
Drilled a 4" center hole for a raise at the north end of the display stope. Made it 18' long so two 9' rounds can be drilled. Moved to the entrance drift near our original starting point. We will have another raise there for a display chute. Ran out of drill oil and had to quit. Got $270.25 for drift work. Now paid to 633.5'. Total in '94 - $410.25

3 Aug 94  
New Tunnel
Bob Rome brought in 5 gal. of drill oil last night. Drilled a 4" center hole, eight feet long, for the second raise. Removed the vent pipe from the stope. Shortened the air line by 60' in the stope. Added 40' of air line in the N/E drift. Set up the "53" in the N/E drift and used it to knock down some loose. Put in two rock bolts.
8 Aug 94  NEW TUNNEL
SET UP A "53" AT THE NORTH END OF THE DISPLAY STOPE.
DOUG FRANCISCO CAME IN AND DRILLED A 9' RAISE ROUND.
STEVE GOT ENOUGH FILL IN THE EAST VEIN STOPE TO REACH THE OLD ADIT.

9 Aug 94  NEW TUNNEL
DRILLED A 7' RAISE ROUND NEAR THE ENTRANCE. IT WILL BE MADE INTO A DEMONSTRATION CHUTE.

13 Aug 94  NEW TUNNEL
SET UP THE "53" AT THE EAST END OF THE DECLINE TO THE EAST VEIN. DRILLED HOLES IN THE LIP (SEE 28 JULY 94) AND BROKE IT OUT WITH FEATHERS AND WEDGES. THERE IS ENOUGH FILL IN THE EAST VEIN STOPE SO THAT A BERM IS NO LONGER NEEDED.
15 Aug 94  New Tunnel
Met Fred at the mine at 4:30 AM. We loaded the power panel strip and the 7' raise round. Fired at 6 AM. Both broke good. Also fired a pop hole where I worked on Saturday. A universal joint broke on the Eimco today.

16 Aug 94  New Tunnel
Set up a new "53" at the east end of the decline. Drilled some short holes and wedged out the last of the lip. Moved about 40' west and drilled some strip holes in the back of the drift. The decline is too steep there and we have to raise the grade. Fred Kirk finished repairs on the Eimco. The rosin bolts I ordered arrived.

17 Aug 94  New Tunnel
After Steve mucked out the raise muck we set up a "53" and drilled a chute strip. 32 holes.
23 Aug 94  NEW TUNNEL
Began scaling loose above
the tunnel exit to the parking
lot. Tied a safety chain to a
tree and hung from it while
working. Got down a lot of stuff.

24 Aug 94  NEW TUNNEL
Scaled more loose in the morning.
Went to Franklin at lunch
time. Wantage excavating is
digging a ditch at the phone
company across from the fire
house. Saw a few mine rocks
and picked up one hardystonite.

25 Aug 94  BROUGHT TWELVE BUNDLES OF ROCK
BOLTS OUT TO THE GARAGE. CLEANED
THEM UP WITH THE WIRE WHEEL AND
WD-40. WE ARE KILLING TIME WHILE
WAITING FOR FRED TO GET POWDER.
30 Aug 94    New Tunnel
Met Fred at the mine at 6:30 am. We loaded the chute strip, the raise, and both strips. Fired at 10 am. the raise round did not break. The rest was ok. Set up a "53" at the chute strip. Scaled and bolted. 7 bolts.

31 Aug 94    New Tunnel
Scaled and bolted the chute strip. 7 bolts. Set up a "53" (long leg) in the stope and drilled four strip holes in the back. Moved everything out of the way for blasting. Had trouble with the compressor the last two days. It shuts off frequently.

1 Sep 94     New Tunnel
Fred came in at 4 pm. We loaded the strip and reloaded the raise. Fired at 5 pm. Broke good. This should be the end of the blasting.
5 SEP 94  NEW TUNNEL
SET UP A "53" IN THE DEMO STOPE.
SCALED AND BOLTED. 15 BOLTS.
HAD TO DRILL DOWN A LOT OF
LOOSE, A SLOW AND TEDIOUS JOB.

6 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 8 BOLTS.
HAD TO DRILL DOWN MORE LOOSE.
QUIT AFTER LUNCH WHEN THE
COMPRESSOR BROKE DOWN.

12 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 5 BOLTS.
SPENT MOST OF THE DAY DRILLING
DOWN LOOSE ROCK.

13 SEP 94  NEW TUNNEL
SCALED AND BOLTED. GOT THE
SOUTH END OF THE STOPE, DONE.
MUCH ROCK IS BEING DUMPED
IN THE FILL QUARRY. IT IS
GRANITE FROM THE TOWN'S NEW
WATER TOWER SITE NEAR
HEATERS POND. HAD TO REPLACE
THE "53", TRIED 5 DRILLS BEFORE
WE FOUND A GOOD ONE.
1. CHUTE STRIP 32 HOLES (6 THREE FOOT AND 6 FOUR FOOT AND 20 FIVE FOOT)

2. DECLINE STRIP 3 THIRTEEN FOOT AND 5 FIVE FOOT

3. STOE STRIP 2 THIRTEEN FOOT AND 1 SEVEN FOOT

4. RAISE ROUND 16 NINE FOOT HOLES

1. 142'  16
2. 64'  x 9
     144'
3. 33'
4. 144'

383'
14 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 23 BOLTS.

15 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 15 BOLTS.
SPENT MOST OF THE MORNING
DRILLING DOWN LOOSE. THAT IS
MOSTLY FINISHED NOW.

16 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 14 BOLTS.
SPENT THE AFTERNOON CLEANING
UP 8 BUNDLES OF BOLTS. TRUCKED
THEM OUT TO THE TUNNEL.

19 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 11 BOLTS.
SPENT A LOT OF TIME DRILLING
DOWN LOOSE.

20 SEP 94  NEW TUNNEL
SCALED AND BOLTED. 21 BOLTS.
THE RAISE ROUND AT THE NORTH
END OF THE STOPE BOOTED ABOUT
18 INCHES. KNOCKED SOME OF THAT
DOWN BY DRILLING INTO IT WITH
A 7' STEEL.
21 SEP 94 NEW TUNNEL
FINISHED SCALING AND BOLTING IN THE STOPE. 10 BOLTS, MOVED TOOLS OUT OF THE WAY AND STEVE BEGAN MUCKING, WASHED OFF THE DECLINE WALLS WHERE IT GOES THRU THE BROWN WILLEMITE ZONE. PREPARED TO MOVE OUTSIDE.

22 SEP 94 NEW TUNNEL
ADDED 40' TO THE WATER PIPE. MOVED TOOLS TO THE TUNNEL OUTLET BY THE OLD SHAFT. SET UP TO INSTALL RESIN BOLTS. PUT IN FOUR. LOOKS LIKE ITS GONNA WORK GOOD.

26 SEP 94 NEW TUNNEL
PUT IN SEVEN RESIN BOLTS. HAD BOB PILE UP MORE DIRT TO RAISE THE WORK AREA. PUT IN FIVE MORE BOLTS.

28 SEP 94 NEW TUNNEL
GATHERED MATERIAL TO BUILD A SCAFFOLD. BEGAN TO SET IT UP.
29 SEP 94 NEW TUNNEL
Worked on the scaffold. Got most of it done. Only need planks for the work platform. Grace Woodard stopped by and showed us photos of Sweet Home Mine.

30 SEP 94 NEW TUNNEL
Finished the work platform. Put in six resin bolts. Scaled loose in a bad area.

3 OCT 94 NEW TUNNEL
Put in one more resin bolt. Used a blowpipe to blow loose rock out of the bad area. Drilled two 3' holes. Began installing hurricane fence over the bad area. Put in two 3' bolts to tack it down.

5 OCT 94 NEW TUNNEL
Finished covering bad area with hurricane fence and put another 3' bolt in it. Lowered the platform about six feet, set everything up to bolt tomorrow.
6 OCT 94  NEW TUNNEL
PUT IN FOUR RESIN BOLTS.
PUT IN TWO 3’ BOLTS IN
THE HURRICANE FENCE.
DISMANTLED THE SCAFFOLD.
PUT IN ANOTHER RESIN BOLT
FROM THE DIRT PILE. BOB
BEGAN REMOVING THE DIRT
PILE.

7 OCT 94  NEW TUNNEL
HELPED BOB OPEN UP A SECTION
OF THE OLD MILL FOUNDATION.
IT SEEMS TO BE THE TOP OF
AN OLD WASTE ROCK RAISE. THE
OPENING OF THE NEW TUNNEL
LOOKS PRETTY GOOD. TOOK ONE
HUMP OUT OF THE FLOOR. HAVE TO
GET ONE MORE.

11 OCT 94  NEW TUNNEL
HAND MUCKED AROUND THE FOUNDATION
WHILE STEVE SCRAPED OFF THE
CONCRETE FLOOR. SCALED AND BOLTED
20 BOLTS. GOT STARTED INTO
THE TUNNEL.
12 OCT 94  NEW TUNNEL
SCALED AND BOLTED. SLOW GOING
DUE TO LOTS OF LOOSE. HAVE TO
DRILL INTO IT TO GET IT TO FALL
DOWN.

13 OCT 94  NEW TUNNEL
SCALED AND BOLTED. GOT THRU
THE WORST GROUND. STEVE MUCKED
MOST OF THE FILL OFF THE CONCRETE
FLOOR. BOB CUT OFF THE STUBS OF
OLD MILL BEAMS.

14 OCT 94  NEW TUNNEL
SCALED AND BOLTED. RAN INTO
ANOTHER PATCH OF BAD GROUND.

16 OCT 94  NEW TUNNEL
CLEANED UP NINE BUNDLES OF
SIX FOOT BOLTS.

18 OCT 94  NEW TUNNEL
SCALED AND BOLTED. DRILLED FOUR
SHORT HOLES SO FRED KIRK CAN INSTALL
A POWER PANEL. DRILLED A 7' HOLE FOR
A GROUND WIRE.