

19 DEC '03 ADIT & MILL

CHISELLED OFF SOME LOOSE IN THE ADIT. GOT TWO DECENT NORBERGITE SPECIMENS. WEDGED OUT THE REST OF THE HOLES IN THE MILL. TOO COLD TO DRILL MORE HOLES. 4 HRS  
- - - 49 HRS - - -

22 DEC '03 ADIT AND MILL

CHISELLED OFF LOOSE SLABS NEAR THE ORE PASS. GOT SOME NORBERGITE. SET UP THE DRILL. FINISHED THE SLOT UNDER THE LAST PIECE OF THE CRUSHER BASE. BOB BURNED OFF THE REBAR AND HAULED THE PIECE TO THE DISPOSAL AREA. DRILLED HOLES IN THE CONCRETE SILL WHERE THE NEW OVERHEAD DOOR WILL BE.  
7 HRS.

23 DEC '03 MILL AND ADIT

WEDGED OUT THE HOLES IN THE SILL. CLEANED UP THE DEBRIS FROM THE CRUSHER BASE. STORED TOOLS FOR THE WINTER. CHISELLED OFF A SLAB IN THE ADIT. GOT MORE NORBERGITE. 7 HRS.

29 DEC '03 CHANGE HOUSE  
UNLOADED 15 NEW DISPLAY  
CASES FROM A TRUCK AND  
MOVED THEM INTO THE CHANGE  
HOUSE. THEY ARE BEING SET  
UP IN THE SHOWERS. 7 HRS.

2 JAN '04  
1 HR.

--- 22 HR ---

6 FEB '04  
MET LEATHAM AT THE MINE AND WE  
FIGURED OUT HOW TO GET POWER TO  
THE NEW DISPLAY CASES AND THE NEW  
SEPTIC PUMP. 2 HRS.

9 FEB '04 WARREN MUSEUM  
INSTALLED PERFORATED ANGLE IRON  
IN THE NEW FLUORESCENT CASES.  
BLACKLITES WILL BE SUSPENDED  
FROM IT. 7 HRS.

10 FEB '04 WARREN MUSEUM  
FINISHED INSTALLING THE ANGLE  
IRON. WORKED ON CONDUIT FOR  
THE SEPTIC PUMP. 7 HRS.

11 FEB '04 MUSEUM

FINISHED CONDUIT IN WARREN MUSEUM. MOVED TO THE CHANGE HOUSE. STARTED WORKING ON CONDUIT FOR THE NEW DISPLAY CASES. 7 HRS.

12 FEB '04 CHANGE HOUSE  
WORKED ON CONDUIT. 7 HRS.

--- 30 HRS ---

10 MAR '04 UPPER YARD

SAW BOB ABOUT THE NEXT PROJECT. WE DECIDED TO TAKE OUT THE CONCRETE PIERS NEAR THE SHAFT. THE STIFF-LEG CRANE WAS MOUNTED ON THEM. MOVED THE COMPRESSOR TO THE SITE. ~~1~~  
1 HR.

15 MAR '04 SHAFT APRON

SET UP THE FIFTY THREE AND DRILLED ONE HOLE. WEDGED OUT PART OF IT. HAD TYPICAL PROBLEMS GETTING WATER TO NEW SITE.  
7 HRS.

16 MAR 04

G.T.C.

ANCHORED A 2X4 TO THE WALL TO WHICH A NEW DISPLAY CASE CAN BE SCREWED. ADJUSTED THE BACK OF THE CASE SO IT WILL FIT. SNOW BEGAN AT 10 AM. 2 HRS.

23 MAR '04

SHAFT APRON

WEDGED OUT CONCRETE. MADE A REPAIR ON THE "53". TRIED TO FIND A JACK HAMMER THAT WORKS. NO LUCK. 7 HRS.

24 MAR '04

SHAFT APRON

DRILLED HOLES AND WEDGED OUT CONCRETE. 7 HRS.

25 MAR '04

SHAFT APRON

WEDGED OUT CONCRETE. RAINED OUT AT 10 AM. 2 HRS

26 MAR '04

SHAFT APRON

WEDGED OUT CONCRETE. 7 HRS.

--- 33 HRS ---

29 MAR '04 SHAFT APRON  
DRILLED HOLES AND WEDGED  
OUT CONCRETE. 7 HRS.

30 MAR '04 SHAFT APRON  
DRILLED HOLES AND WEDGED  
OUT CONCRETE. 7 HRS.

2 APR '04 SHAFT APRON  
WEDGED OUT CONCRETE. GOT OUT  
DANFORTH'S JACK HAMMER AND  
CHIPPED OFF ALL THE HIGH SPOTS.  
THE FIRST PIER IS DONE. BOB  
BURNED OFF THE REBAR. STARTED  
CHIPPING OUT ANOTHER PIER. 7 HRS.

5 APR '04 SHAFT APRON  
SCALED LOOSE IN THE RAINBOW  
TUNNEL, UNTIL 10 AM. FINISHED  
CHIPPING OFF THE SECOND PIER.  
BEGAN THE 3RD PIER. DRAINED  
WATER HOSE AND STORED THE "53" IN  
THE MINE OFFICE (FREEZE TONITE)  
7 HRS.

6 APR '04 SHAFT APRON  
CHISSELLED OFF SOME LOOSE  
SLABS IN THE RAINBOW TUNNEL.  
FINISHED CHIPPING OUT THE THIRD  
PIER. 7 HRS.

7 APR '04 SHAFT APRON  
CHIPPED OUT CONCRETE. FINISHED  
FOURTH AND FIFTH PIERS. STARTED  
ON SIXTH PIER. 7 HRS.

9 APR '04 SHAFT APRON  
HELPED HAUCK MOVE BOXES  
OF SPECIMENS. CHIPPED  
OUT CONCRETE. FINISHED  
SIXTH AND SEVENTH PIERS.  
6 HRS.  
--- 48 HRS ---

12 APR '04 SHAFT APRON  
WORKED ON CHIPPING OUT THE  
LAST PIER. RAINED OUT AT  
2:30. 6 HRS.

15 APR '04 SHAFT APRON  
FINISHED CHIPPING OUT THE  
LAST PIER. CLEANED UP THE  
AREA. MOVED MOST OF MY TOOLS  
TO THE EAST VEIN FILL QUARRY.  
7 HRS.

16 APR '04 E.V. FILL QUARRY  
WEDGED OUT ORE USING HOLES  
DRILLED LAST YEAR. 7 HRS.

19 APR '04 FILL QUARRY  
WEDGED OUT ORE. DUMPED A LOAD  
IN THE STORAGE AREA. HAND  
MUCKED FILL AT THE EDGE OF THE  
PILLAR. WILL BE GOING DOWN  
ANOTHER THREE FEET. SET UP THE  
DRILL AND LAID OUT THE WATER  
HOSES. 7 HRS.

20 APR '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT ORE. THE END OF THE  
3' STEEL BROKE IN THE  
CHUCK. TOOK THE DRILL APART  
AND POUNDED THE STEEL OUT  
OF THE CHUCK. DRILLED A  
ROW OF HOLES. DUMPED A  
LOAD OF ORE. HAD TO USE  
THE BUCKET TO JACK THE

EIMCO BACK UP THE HILL.  
7 HRS.

21 APR '04 FILL QUARRY  
WEDGED OUT ORE. DUMPED  
A LOAD AND HAD TO JACK  
THE EIMCO UP THE HILL.  
HAND MUCKED FILL. DRILLED  
MORE HOLES. 7 HRS.

22 APR '04 FILL QUARRY  
FINISHED DRILLING A NEW  
SET OF HOLES. WEDGED  
THEM OUT. DUMPED A LOAD  
OF ORE. 7 HRS.

23 APR '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT ORE. RAINED OUT AT  
2:30 PM. 6 HRS.  
--- 54 HRS ---

27 APR. '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT ORE. DUMPED AN EIMCO  
LOAD. 7 HRS.



28 APR '04 FILL QUARRY  
WEDGED OUT ORE. HAD TO  
CHARGE THE BATTERY TO GET  
THE EIMCO STARTED. WENT TO  
THE BEATTYSTOWN MINES WITH  
RON MISHKIN AFTER LUNCH.  
4 HRS.

29 APR '04 FILL QUARRY  
WEDGED OUT ORE, DUMPED A  
LOAD OF ORE. HAD TO JACK THE  
EIMCO UP THE HILL. DRILLED A  
SET OF HOLES, 7 HRS.

30 APR '04 FILL QUARRY  
WEDGED OUT ORE. 7 HRS.

4 <sup>MAY</sup> APR '04 FILL QUARRY  
FINISHED WEDGING OUT ORE  
FROM THE PILLAR. MOVED 40'  
SOUTH TO A PLACE IN THE  
FRANKLINITE ZONE WHERE THERE  
IS HYDROZINCITE. DRILLED  
HOLES AND WEDGED OUT ROCK.  
7 HRS.

MAY  
5 ~~APR~~ '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE. RAINED OUT  
AT 1:30. CHECKED AFTER  
DARK AND THE WHOLE PILE IS  
FULL OF NICE HYDROZINCITE.  
6 HRS.

MAY '04  
6 ~~APR~~ FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE. HOPE IT  
HAS NICE ~~FRANKLINITE~~ IN  
IT. HYDROZINCITE  
7 HRS.

MAY '04 FILL QUARRY  
MOVED 15' SOUTH AND LEVELLED  
OUT THE GROUND FOR DRILLING.  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE. (FRANKLINITE  
ZONE). LOOKS LIKE GRANULAR  
PYROXYENE WITH COPPER STAINS.

6 HRS  
--- 51 HRS ---

MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE.  
7 HRS.

11 MAY '04 FILL QUARRY

WEDGED OUT THE REST OF THE HOLES.  
MOVED TOOLS AND COMPRESSOR TO  
THE SOUTH WALL. WILL BE LOOKING  
FOR PARAGONITE. 7 HRS.

12 MAY '04 FILL QUARRY

FINISHED SETTING UP AT THE  
NEW LOCATION. DRILLED A FEW  
HOLES AND WEDGED OUT ROCK.  
THE COMPRESSOR QUIT WORKING.  
RAINED OUT AT 2:30. PICKED  
UP 2 GAL. OF COOLANT ON THE  
WAY HOME. 6 HRS.

13 MAY '04 FILL QUARRY

PUT 2 GAL. OF COOLANT IN THE  
COMPRESSOR. IT WORKS BETTER  
NOW. MAY NEED MORE. DRILLED  
HOLES AND WEDGED OUT ROCK.  
VERY WARM AND HUMID TODAY. 7 HRS.

14 MAY '04 FILL QUARRY

ADDED ANOTHER GAL. OF COOLANT  
TO THE COMPRESSOR. DRILLED HOLES  
AND WEDGED OUT ROCK. GOT THE  
PARAGONITE AND SOME OTHER  
ODD THINGS.  
7 HRS.

17 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT ROCK. 7 HRS.

18 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT ROCK. GOT A PARAGONITE.  
SOME OF THE SILICATE  
FLUORESCES POOR YELLOW.  
APPARENTLY SCAPOLITE.  
7 HRS.

19 MAY '04 FILL QUARRY  
WEDGED OUT ROCK, RAINED  
OUT AT 10 AM. 2 HRS.

21 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED OUT ROCK.  
FOUND LOTS OF PARAGONITE. 7 HRS.

--- 57 ---

24 MAY '04 FILL QUARRY  
CLEANED OUT A PLUGGED WATER  
NEEDLE. DRILLED HOLES AND WEDGED  
OUT ROCK. OIL BOTTLE HOSE BURST.  
HAD TROUBLE FINDING ANOTHER  
GOOD HOSE. GOT SOME NICE  
PARAGONITE. QUIT AT 1:30 DUE  
TO HEAT.  
5 HRS.

25 MAY '04 FILL QUARRY  
REPAIRED THE OIL BOTTLE HOSE.  
MOVED THE "53" AND TOOLS TO  
THE HYDROZINCITE SITE. DRILLED  
HOLES AND WEDGED OUT SUB-ORE.  
7 HRS.

26 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE. 7 HRS.

27 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED OUT  
SUB-ORE. TIED A RAG ON THE  
DRILL TO PREVENT OIL SPRAYING  
ON THE ROCK. SET ASIDE SOME  
NICE HYDROZINCITE. 7 HRS.

28 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED OUT  
SUB-ORE. GOT DEEP ENOUGH  
INTO THE F/W TO STRIKE  
CRAZY CALCITE. CHECKED FOR  
FLUORESCENCE AFTER DARK.  
THERE WERE MANY NICE HYDRO-  
ZINCITE SPECIMENS. 7 HRS.

31 MAY '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE. CHECKED  
AT NITE WITH A BLACK LITE.  
10-15 NICE PIECES PLUS  
SOME LO-GRADE. 7 HRS.

1 JUN '04 FILL QUARRY  
FINISHED WEDGING OUT HOLES  
IN THE HYDROZINGITE AREA.  
3 HRS.

2 JUN '04 FILL QUARRY  
MOVED GEAR TO THE ORE  
PILLAR. DRILLED HOLES AND  
WEDGED OUT ORE, DUMPED  
AN EIMCO LOAD. 7 HRS.

3 JUN '04 FILL QUARRY  
GOT A 13' STEEL FROM THE  
ADIT AND USED IT TO EXTEND  
THE HOLES I DRILLING YESTER-  
DAY. I AM STRIPPING OFF  
THE STAINED ORE ON THE  
SOUTH SIDE OF THE PILLAR.  
WEDGED OUT ORE. DUMPED  
A LOAD. 7 HRS.

4 JUN '04

FILL QUARRY

WEDGED OUT ORE. DUMPED A  
BUCKET LOAD. BOB DUG A LOT  
OF FILL AROUND THE PILLAR SO  
I CAN STRIP MORE OF THE NICE  
ORE. 7 HRS  
--- 64 HRS ---

7 JUN '04

FILL QUARRY

DID SOME HAND MUCKING IN  
THE AREA THAT BOB DUG OUT.  
SET UP THE "53" AND DRILLED  
HOLES. REPLACED A BURST AIR  
HOSE. WEDGED OUT ORE. DUMPED  
A LOAD IN THE STORAGE AREA.  
7 HRS

8 JUN '04

FILL QUARRY

MOVED THE COMPRESSOR CLOSER TO  
THE WORK SITE SO ONLY ONE  
AIR HOSE WILL BE NEEDED. WEDGED  
OUT ORE. DUMPED A LOAD. 7 HRS.

9 JUN '04

FILL QUARRY

DRILLED HOLES AND WEDGED OUT ORE.  
BURST ANOTHER AIR HOSE. DUE TO A SLIP  
I WAS ABLE TO ISOLATE AND DETATCH A  
VERY LARGE PIECE. WORKED FROM 7AM  
TO NOON TO BEAT THE HEAT. 5 HRS.

10 JUN '04 FILL QUARRY  
DRAGGED THE BIG PIECE  
AWAY FROM THE WORK SITE  
WITH THE EIMCO. DRILLED  
HOLES AND WEDGED OUT ORE.  
DUMPED A LOAD. 7 HRS.

11 JUN '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT ORE. TRIED TO DRILL OUT  
A FRANKLINITE CRYSTAL BUT  
THE COMPRESSOR QUIT. DUMPED  
ANOTHER LOAD IN THE STORAGE  
AREA. 7 HRS.

15 JUN '04 FILL QUARRY  
WEDGED OUT ORE, HAND  
MUCKED FILL OFF THE ORE.  
DUMPED A LOAD. 6 HRS.

16 JUN '04 FILL QUARRY  
DRILLED HOLES AND WEDGED OUT  
ORE. HAND MUCKED FILL. GOT A  
1" FRANKLINITE XL. 5 HRS.



17 JUN '04 FILL QUARRY

WEDGED OUT ORE. HAND MUCKED  
FILL. DUMPED A LOAD OF ORE IN THE  
STORAGE AREA. BEGAN DRILLING A  
NEW SET OF HOLES. 5 HRS.

18 JUN '04 FILL QUARRY

FINISHED DRILLING. WEDGED OUT  
ORE. DUMPED A FULL BUCKET  
LOAD. 5 HRS

--- 54 HRS ---

21 JUN '04 FILL QUARRY

DRILLED HOLES AND WEDGED OUT  
ORE. DUMPED A EIMCO LOAD.  
FOUND A LOOSE FITTING ON THE  
EIMCO FUEL PUMP. I THINK I  
WAS ABLE TO TIGHTEN IT.

7 HRS.

22 JUN '04 FILL QUARRY

DRILLED HOLES AND WEDGED OUT  
ORE. BECAUSE OF TWO INTER-  
SECTING SEAMS I WAS ABLE  
TO BREAK OUT A 3' CHUNK.  
WAS DELAYED PERIODICALLY BY  
RAIN SHOWERS.

7 HRS.

23 JUN '04

FILL QUARRY

DRILLED HOLES AND WEDGED OUT ORE. GOT SOME VERY NICE RED & GREEN AND A FEW FRANKLINITES. HAD TO CHARGE THE EIMCO BATTERY. DUMPED A LOAD OF ORE AND HAD TO JACK THE EIMCO UP THE HILL, 8 HRS.

24 JUN '04

FILL QUARRY

WEDGED OUT ORE. WAS ABLE TO GET A FEW BIG PIECES. DUMPED A LOAD. REMOVED A YELLOW JACKET NEST FROM THE EIMCO. 6 HRS.

25 JUN '04

FILL QUARRY

DRILLED HOLES AND WEDGED OUT ORE. USED THE EIMCO AND CHAINS TO DRAG SOME BIG SLABS OFF THE WORK SITE. 5 HRS

28 JUN '04

FILL QUARRY

DRILLED HOLES AND WEDGED OUT ORE. DUMPED A LOAD IN THE STORAGE AREA. 7 HRS.

29 JUN '04 FILL QUARRY  
WEDGED OUT ORE. GOT SOME  
SCROUNGY FRANKLINITE XLS,  
7 HRS.

30 JUN '04 FILL QUARRY  
WEDGED OUT ORE. DUMPED A  
LOAD. THIS IS MOSTLY LARGE  
GRAIN STUFF. 5 HRS.

1 JUL '04 FILL QUARRY  
WEDGED OUT THE REST OF  
THE HOLES IN THE ORE PILLAR.  
MOVED THE DRILL TO THE  
HYDROZINCITE AREA AND  
DRILLED THREE 7' HOLES. BEGAN  
WEDGING SUB-ORE. 7 HRS.

2 JUL '04 FILL QUARRY  
WEDGED OUT SUB-ORE. THE MUCK  
NEEDS A BLACK-LITE TEST FOR  
HYDROZINCITE. QUIT AT NOON  
DUE TO HEAT. 5 HRS.

--- 64 HRS ---  
6 JUL '04 FILL QUARRY  
DRILLED HOLES AND WEDGED OUT  
SUB-ORE. THE MUCK NEEDS A  
BLACK-LITE TEST.  
7 HRS.

7 JUL '04 FILL QUARRY  
WEDGED OUT SUB-ORE, SEPARATED  
PIECES THAT MIGHT BE HYDRO-  
ZINCITE. CAME IN AFTER DARK  
AND PICKED OUT GOOD PIECES  
WITH A BLACK-LITE. GOT TWO  
PAISL WORTH. 6 HRS.

8 JUL '04 FILL QUARRY  
WEDGED OUT SUB-ORE AT THE  
HYDROZINCITE SITE. 5 HRS.

9 JUL '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
OUT SUB-ORE. CAME IN AFTER  
DARK TO SORT OUT HYDROZINCITE.  
6 HRS.

12 JUL '04 FILL QUARRY  
WEDGED OUT SUB-ORE. RAINED  
OUT AT 9 AM. 2 HRS.

13 JUL '04 FILL QUARRY  
WEDGED OUT THE LAST HOLES IN  
THE HYDROZINCITE AREA. GOT  
A VERY NICE LARGE PIECE. HELPED  
BOB AND DICK UNLOAD A TRAILOR  
LOAD OF ROCKS FOR THE GIFT  
SHOP. PREPARED TO MOVE THE  
COMPRESSOR TO A NEW LOCATION.

PRIED SOME LOOSE ROCK OFF  
THE TOP OF THE ORE PILLAR.  
7 HRS.

14 JUL '04 FILL QUARRY  
MOVED THE COMPRESSOR AND  
TOOLS TO THE ORE STORAGE AREA.  
SET UP THE "53" AND DRILLED  
HOLES IN SOME BIG ORE  
BOULDERS, WEDGED THEM INTO  
SMALLER PIECES. THIS IS FOR  
AN ORDER WE GOT FROM CHINA.  
7 HRS.

15 JUL '04 FILL QUARRY  
DRILLED HOLES AND WEDGED  
APART BOULDERS, REPAIRED A WATER HOSE.  
5 HRS.

16 JUL '04 FILL QUARRY  
DRILLED HOLES AND WEDGED APART  
THE LAST ORE BOULDER. MOVED  
THE COMPRESSOR AND TOOLS TO  
THE PASSAIC PIT. SET UP THE  
"53" AND DRILLED HOLES IN A  
BIG CALC SILICATE BOULDER.  
STARTED WEDGING. 7 HRS

19 JUL '04 PASSAIC PIT  
DRILLED HOLES AND WEDGED  
PIECES OFF A CALC SILICATE  
BOULDER. IT CONTAINS NICE  
GARNET, SPHALERITE AND  
POSSIBLE SMITHSONITE. DR.  
PETER LEVENS WAS HERE  
TODAY AND TOOK A SAMPLE  
FOR X-RAY I.D. 7 HRS.

20 JUL '04 PASSAIC PIT  
DRILLED HOLES AND WEDGED OUT  
CALC SILICATE. GOT SOME NICE  
GARNET - SPHALERITE. HAND MUCKED  
DIRT OFF THE OUTCROP. 5 HRS.

21 JUL '04 PASSAIC PIT  
DRILLED HOLES AND WEDGED  
OUT CALC SILICATE. GOT SOME  
POSSIBLE SMITHSONITE, GARNET,  
SPHALERITE PIECES. MOVED  
AIR COMPRESSOR AND DRILL TO  
A NEW WORK SITE. 5 HRS.

22 JUL '04 PASSAIC PIT  
DRILLED HOLES AND WEDGED  
APART AN ORE BOULDER. BOB  
HAD SET ASIDE SOME ORE  
BOULDERS IN CASE SOMEONE WOULD  
WANT ONE, NOW HE WANTS THEM  
REDUCED TO SMALLER PIECES,  
5 HRS.

23 JUL '04 PASSAIC PIT  
DRILLED HOLES AND WEDGED APART  
AN ORE BOULDER. USED CHAINS AND  
THE EIMCO BUCKET TO DRAG PIECES  
AWAY FROM THE WORK SITE. 5 HRS.

26 JUL '04 PASSAIC PIT  
DRILLED HOLES AND WEDGED APART  
AN ORE BOULDER. 6 HRS.

27 JUL '04 PASSAIC PIT  
FINISHED THE ORE BOULDER. TRIMMED  
SOME BLACK CALCITE OFF SOME OF THE  
PIECES. TESTED A QUARTZ - PYROXENE  
BOULDER. BLUE-GREEN STAINS INSIDE.  
RAINED OUT AT NOON, 5 HRS.

28 JUL '04 EAST VEIN

TOOK SOME TOOLS TO THE TOP  
OF THE ORE PILLAR IN THE EAST  
VEIN FILL QUARRY. SCALED AND  
WEDGED OFF LOOSE ROCK. 4 HRS.

29 JUL '04 EAST VEIN

SCALED AND WEDGED OFF LOOSE  
ROCK. 5.5 HRS

30 JUL '04 EAST VEIN

SCALED AND WEDGED OFF LOOSE  
ORE. 5 HRS

--- 52.5 HRS ---

2 AUG '04 EAST VEIN

SCALED AND WEDGED OFF  
LOOSE ORE. 5 HRS.

3 AUG '04 EAST VEIN

SCALED AND WEDGED OFF LOOSE  
ORE. VERY HOT AND HUMID  
TODAY. 5 HRS.

4 AUG '04 EAST VEIN

SCALED AND WEDGED OFF  
LOOSE ORE. 5 HRS.



5 AUG '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE  
ORE. USED A WIRE ROPE AND THE  
EIMCO TO PULL OFF A BIG PIECE.  
AMAZING THAT THE EIMCO WAS ABLE  
TO MAKE THE HILL. 7 HRS.

6 AUG '04 EAST VEIN  
SCALED, WEDGED AND PULLED  
OFF LOOSE. HELPED LOAD DRUMS  
OF ORE ON A TRUCK. THIS IS  
THE MATERIAL I BROKE TWO  
WEEKS AGO. IT IS GOING TO  
CHINA. 5 HRS.

9 AUG '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ORE. 5 HRS.

10 AUG '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE ORE.  
FRED ROWETT IS PREPARING A  
BASE FOR THE ASTRONOMY  
OBSERVATORY. 5 HRS.

11 AUG '04 EAST VEIN  
SCALED, WEDGED AND PULLED  
OFF LOOSE ORE. HAD TO GET A  
LONG CHAIN AND ANOTHER PIECE  
OF LADDER. 5 HRS.

12 AUG '04 EAST VEIN  
SCALED AND WEDGED LOOSE  
ORE OFF THE PILLAR. 5 HRS

13 AUG '04 EAST VEIN  
SCALED AND WEDGED LOOSE  
ORE OFF THE PILLAR. PULLED  
ONE BIG PIECE OFF WITH  
THE EIMCO. 4.5 HRS

--- 51.5 HRS ---

16 AUG '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ORE. 5 HRS.

17 AUG '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ORE. MOVED A BIG  
PIECE BY WEDGING. PUT THE  
WIRE ROPE ON IT AND PULLED  
WITH THE EIMCO BUT IT WOULD  
NOT MOVE, 5 HRS.

18 AUG '04

EAST VEIN

RE-ARRANGED THE WIRE ROPE  
AND GOT THE BIG PIECES DOWN.  
SCALED AND WEDGED OFF LOOSE  
ORE. 5 HRS.

19 AUG '04

EAST VEIN

MOVED TOOLS TO THE NORTH  
SIDE OF THE PILLAR. SCALED  
AND WEDGED OFF ORE, 5 HRS.

20 AUG '04

EAST VEIN

SCALED AND WEDGED OFF LOOSE  
ORE. EXCAVATED DIRT AND ROOTS  
TO FIND CRACKS IN THE ORE.  
5 HRS.

23 AUG '04

EAST VEIN

USED THE WIRE ROPE TO PULL  
THREE CEDAR TREES OFF THE  
OUTCROP. EXCAVATED DIRT, LOOSE  
ROCK AND ROOTS. SCALED AND  
WEDGED OFF LOOSE ORE. 5 HRS.

24 AUG '04

EAST VEIN

SCALED AND WEDGED OFF  
LOOSE ORE. 5 HRS.

25 AUG '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE  
ORE. PULLED OFF A LARGE  
PIECE WITH THE WIRE ROPE.  
5 HRS.

26 AUG 04 EAST VEIN  
WORKED ON WEDGING OUT A  
VERY BIG PIECE (5' x 5' x 5').  
MOVED IT 2 INCHES. THEN FOUND  
A CRACK IN IT AND MAY BE  
ABLE TO BREAK IT IN HALF.  
5 HRS.

27 AUG '04 EAST VEIN  
USING THE CRACK I WAS ABLE  
TO SPLIT THE PIECE IN HALF.  
AFTER OPENING THE CRACK  
TO 6 INCHES WITH WEDGES  
I WAS ABLE TO PRY HALF  
THE PIECE OVER THE EDGE.  
ATTACHED THE WIRE ROPE TO  
THE OTHER HALF AND PULLED.  
AFTER MOVING ABOUT A FOOT  
THE WIRE ROPE SLIPPED  
OFF. 5 HRS.  
--- 50 HRS ---

30 AUG '04

EAST VEIN

TRIED AND WEDGED THE BIG  
PIECE OVER THE EDGE, THAT  
RESULTED IN A NEW, LOWER  
LEDGE. RE-ARRANGED THE  
LADDER TO GET DOWN TO IT.  
SCALED AND WEDGED OFF ORE  
GOING TOWARDS THE F/W. 5 HR.

31 AUG, '04

EAST VEIN

SCALED AND WEDGED OFF LOOSE  
ORE. 5 HRS. GOT SOME NICE  
PIECES FROM A SPHALERITE VEIN  
THAT CUTS ACROSS THE ORE.

1 SEP 04

EAST VEIN

SCALED AND WEDGED OFF  
LOOSE ORE. 5 HRS.

3 SEP '04

EAST VEIN

MOVED A BIG PIECE FAR ENOUGH  
TO GET THE WIRE ROPE ON IT.  
PULLED IT OVER, THEN INCHED IT  
OVER THE EDGE WITH A BAR.  
SCALED AND WEDGED OFF LOOSE  
ORE AND HAD TO INCH OVER THE  
LAST BIG PIECE. GOT MORE  
SPHALERITE. 5 HRS.

7 SEP '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ORE. WEDGED A BIG  
PIECE FAR ENOUGH TO GET  
THE WIRE ROPE ON IT AND  
PULLED IT DOWN WITH DIFFI-  
CULTY. 5 HRS

8 SEP '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ORE. HAND MUCKED  
LOOSE MATERIAL TO EXPOSE  
THE OUTCROP. RAINED OUT  
AT 9 AM. 2 HRS.

10 SEP '04 EAST VEIN  
FINISHED HAND MUCKING DIRT  
OFF A NEW AREA. WEDGED  
AND SCALED OFF LOOSE ORE.  
3 HRS.

--- 30 HRS ---

13 SEP '04 EAST VEIN  
REMOVED DIRT, ROOTS AND SHRUBS BY  
HAND MUCKING. WEDGED AND SCALED  
OFF LOOSE ORE. 5 HRS.

14 SEP '04

EAST VEIN

WEDGED A 10 TON PIECE LOOSE AT THE HIGHEST POINT OF THE PILLAR.

5 HRS.

15 SEP '04

EAST VEIN

COULD NOT MOVE THE BIG PIECE WITH THE WIRE ROPE. WEDGED IT

SOME MORE. WORKED ON REARRANGING THE WIRE ROPE TO PULL FROM A

DIFFERENT DIRECTION. HAD TO CHARGE

THE EIMCO BATTERY AND REPAIR

THE WIRE ROPE. 5 HRS.

16 SEP '04

EAST VEIN

PULLED OFF THE BIG PIECE. CLEANED UP DEBRIS IN THE AREA IT CAME

FROM. HAND MUCKED ANOTHER PART OF THE OUTCROP. 5 HRS.

17 SEP '04

EAST VEIN

GOT THE NEXT BIG PIECE TO

MOVE BY WEDGING. 5 HRS.

20 SEP '04

EAST VEIN

WEDGED THE PIECE 6 MORE

INCHES THEN PULLED IT OVER

WITH THE WIRE ROPE. HAND MUCKED DIRT TO FIND ANOTHER CRACK,

5 HRS.

21 SEP '04 EAST VEIN  
WEDGED OPEN A CRACK BEHIND  
ANOTHER BIG PIECE. 5 HRS.

22 SEP '04 EAST VEIN  
FOUND A SCREW JACK IN THE  
ADIT AND HAULED IT UP THE  
HILL. WEDGED AND JACKED THE  
PIECE FURTHER. WEDGED AND  
SCALED SOME PIECES FROM IN  
FRONT OF THE BIG PIECE. HAD  
A VISIT FROM BOB AND BRUCE  
BIHN. 5 HRS.

23 SEP '04 EAST VEIN  
JACKED AND WEDGED THE  
PIECE FURTHER. HOOKED UP  
THE WIRE ROPE AND PULLED  
IT OVER THE EDGE, WITH  
DIFFICULTY. HAND MUCKED AND  
SCALED TO CLEAN UP THE AREA  
IT CAME FROM. 5 HRS.

24 SEP '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ORE. SCALED REAL GOOD  
AND HAND MUCKED OFF A LOWER  
LEDGE SO NO ROCKS CAN  
FALL ON COLLECTORS THIS WEEKEND.  
5 HRS --- 50 HRS ---



27 SEP '04

EAST VEIN

WEDGED THE NEXT BIG PIECE FAR ENOUGH TO GET THE WIRE ROPE ON IT. TRIED PULLING WITH THE EIMCO BUT NO LUCK. LEFT TENSION ON THE ROPE AND INCHED THE PIECE WITH A PRY BAR 'TIL IT WENT OVER THE EDGE. 5 HRS.

29 SEP '04

EAST VEIN

WEDGED A BIG PIECE FAR ENOUGH TO GET THE WIRE ROPE BEHIND IT. PULLED IT OVER, SCALED AND WEDGED MORE LOOSE. 5 HRS.

30 SEP '04

EAST VEIN

SCALED OFF SOME GOOD SIZE PIECES AND INCHED THEM OVER THE EDGE. USED THE PICK TO REMOVE DIRT, ROOTS AND SHRUBS. RAINED OUT AT 11 AM. 4 HRS

1 OCT '04

EAST VEIN

DUG OUT DIRT, ROOTS AND SHRUBS. FINISHED SCALING OFF THE TOP LAYER OF ROCK. CLEANED OFF THE AREA. STARTED ON THE NEXT LAYER WITH WEDGES. 5 HRS.

4 OCT '04

EAST VEIN

WEDGED A PIECE FAR ENOUGH TO  
ATTACH THE WIRE ROPE. PULLED IT  
OFF WITH THE EIMCO. HAND MUCKED  
THE AREA IT CAME FROM. 5 HRS.

6 OCT '04

EAST VEIN

WEDGED AND SCALED OFF LOOSE  
ROCK. EXPOSED THE SPHALERITE  
VEIN CROSSING FOOT WALL ROCK  
AND THERE IS GOOD HYDROZINCITE.  
7 HRS.

7 OCT '04

EAST VEIN

WEDGED AND SCALED OFF LOOSE ROCK.  
HAD TO SHARPEN SOME WEDGES ON  
THE GRINDER. 7 HRS.

8 OCT '04

EAST VEIN

WEDGED AND SCALED OFF  
LOOSE ROCK. 7 HRS

--- 45 ---

11 OCT '04

EAST VEIN

SCALED AND WEDGED OFF LOOSE ROCK.  
ATTACHED THE WIRE ROPE TO A BIG  
PIECE BUT COULD NOT MOVE IT.  
WEDGED IT SOME MORE AND TRIED AGAIN.  
THIS TIME IT WENT OVER. INCHED SOME  
PIECES OVER WITH A BIG PRYBAR.  
7 HRS.

12 OCT '04

EAST VEIN

SCALED AND WEDGED OUT LOOSE  
ROCK. PULLED OFF A PIECE WITH  
THE WIRE ROPE, ON THE SECOND TRY.  
HAD TO CHARGE THE EIMCO BATTERY.  
7 HRS.

13 OCT '04

EAST VEIN

PULLED A BIG PIECE OVER THE  
EDGE WITH THE EIMCO. SCALED  
AND WEDGED OFF LOOSE ROCK.  
7 HRS.

14 OCT '04

EAST VEIN

WEDGED AND JACKED A BIG PIECE  
UNTIL IT FELL OVER ONTO A LEDGE.  
PULLED IT DOWN FROM THERE  
WITH THE EIMCO. RAINED OUT AT  
NOON. 5 HRS.

15 OCT '04 EAST VEIN

SCALED AND WEDGED OFF LOOSE  
ROCK. CUT A BAD PIECE OUT  
OF THE WIRE ROPE AND  
RESPLICED IT. PRIED AND  
WEDGED A PIECE OUT FAR  
ENOUGH TO PULL IT DOWN  
WITH THE EIMCO. 5 HRS.

18 OCT '04 EAST VEIN

WEDGED AND PRIED A PIECE  
OUT OF A TIGHT CORNER. GOT  
THE WIRE ROPE ON IT AND  
PULLED IT OVER. HAD TO  
CHARGE THE EIMCO BATTERY.  
CHISELLED OFF SOME HYDRO-  
ZINCITE FROM THE SPHALERITE  
VEIN. 6 HRS.

20 OCT '04 EAST VEIN

FINALLY GOT A BIG PIECE  
WEDGED OUT FAR ENOUGH THAT  
IT WAS EASY TO PRY OUT  
WITH A BIG SCALING BAR,  
SCALED SOME LOOSE ORE OFF  
THE EDGE OF THE LEDGE.  
SCALED ROCK OFF THE F/W.  
7 HRS.

21 OCT '04 EAST VEIN  
SCALED AND WEDGED OUT LOOSE  
ROCK. WORKING ON A BIG  
PIECE THAT MIGHT PRODUCE  
SPHALERITE / ~~THE~~ HYDROZINCITE.  
7 HRS.

22 OCT '04 EAST VEIN  
SCALED AND WEDGED OUT LOOSE  
ROCK. GOT SOME NICE HYDROZINCITE  
AND SPHALERITE. 7 HRS.  
--- 58 HRS ---

25 OCT '04 EAST VEIN  
SCALED AND WEDGED OUT LOOSE  
ROCK. FRED ROWETT FILLED THE  
SEPTIC HOLES AND DUG OUT THE  
GENTHELVITE WORK SITE. I HAD  
TO SHOW HIM WHERE TO DIG. 8 HRS.

26 OCT '04 GIFT SHOP  
LEATHAM SHOWED ME WHERE THE  
SERVICE FOR THE NEW OBSERVATORY  
HAS TO COME OUT OF THE GIFT  
SHOP. DUG A 2' TRENCH ABOUT  
20' LONG. SET UP THE "53" TO  
DRILL A HOLE THRU THE FOUNDATION.  
DROPPED A TOOL ON THE PROPANE  
REGULATOR. CAUSING A MINOR LEAK.  
7 HRS.

27 OCT '04 GIFT SHOP  
DRILLED A HOLE FOR ELECTRIC  
SERVICE TO THE OBSERVATORY.  
HAND MUCKED TO CLEAN OFF  
THE OUTCROP AT THE CALCSILICATE  
WORK SITE. 7 HRS.

28 OCT '04 EAST VEIN  
SCALED AND WEDGED OUT  
LOOSE ROCK. GOT A VERY  
BIG PIECE TO FALL ONTO A  
LEDGE; THEN PULLED IT DOWN  
WITH THE EIMCO. GOT THE  
WATER HOSE SET UP AND  
WASHED OFF THE OUTCROP AT  
THE CALCSILICATE SITE. 7 HRS

29 OCT '04 EAST VEIN  
CHISELLED A LOT OF HYDROZINGITE  
AND SPHALERITE OFF THE BIG  
PIECE THAT I PULLED DOWN  
YESTERDAY. INCHED ANOTHER  
PIECE OVER THE EDGE. SCALED  
LOOSE ROCK. 5 HRS.

2 NOV '04 EAST VEIN  
SCALED AND WEDGED OUT LOOSE  
ROCK. CHOPPED OUT ROOTS AND  
HAND MUCKED TO EXPOSE CRACKS.  
7 HRS.

3 NOV '04 EAST VEIN  
SCALED AND WEDGED OUT LOOSE  
ROCK. WORKED ON A BIG PIECE FOR  
TWO DAYS - WEDGING AND JACKING  
IT. IT FINALLY FELL ON TO THE  
LEDGE. 7 HRS.

4 NOV '04 EAST VEIN  
INCHED THE BIG PIECE OVER THE  
EDGE. SCALED AND WEDGED OFF  
LOOSE ROCK. CLEANED OFF THE  
LEDGE BY HAND MUCKING. WORKED  
ON HYDROZINCITE - SPHALERITE.  
5 HRS. RAIN AT NOON.

5 NOV '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ROCK. GOT SOME NICE  
HYDROZINCITE - SPHALERITE. 7 HRS

--- 60 HRS ---

10 NOV '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE  
ROCK. 5 HRS.

11 NOV '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE  
ROCK. 6 HRS.

29 NOV '04 EAST VEIN  
SCALED AND WEDGED OFF  
LOOSE ROCK. GOT SOME NICE  
SPHALERITE AND HYDROZINGITE.  
6 HRS.

2 DEC '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE  
ROCK. JACKED AND INCHED BIG  
PIECES OVER THE EDGE OF THE  
LEDGE. 6 HRS.

3 DEC '04 EAST VEIN  
SCALED AND WEDGED OFF LOOSE  
ROCK. ATTACHED THE WIRE ROPE  
TO A BIG PIECE AND PULLED IT  
OVER THE EDGE WITH THE EIMCO.  
HAD TO GET THE EIMCO OUT OF  
WINTER STORAGE IN THE MINE.  
6 HRS.

--- 29 HRS ---