

21 FEB 91 ADIT

FINISHED DRILLING THE DRIFT ROUND.
FRED CAME IN AT 2 PM AND WE FIRED
IT. BROKE GOOD. HIT SOMETHING THAT
LOOKS LIKE LEAN ORE.

22 FEB 91 ADIT

FOUND THAT TWO LIFTERS DID NOT
BREAK YESTERDAY. DRILLED ANOTHER
DRIFT ROUND BY WORKING AROUND
THEM. DRILLED THREE 13' STRIP HOLES
ON THE SOUTH RIB.

23 FEB 91 ADIT - 700

LOADED AND FIRED DRIFT ROUND AND
ASSOCIATED STRIP HOLES. BROKE GOOD.
STEVE MUCKED OUT. WENT TO 700 LEVEL
AND SHOT STRIP HOLES IN 1040 X-CUT AND
1250 STOPE.

24 FEB 91 ADIT

FACE IS NOW AT 118'. THAT
MAKES 34' THIS WEEK. DRILLED A
32 HOLE STRIP ROUND IN THE
SOUTH RIB OF THE NEW TUNNEL.
DRILLED 17 SHORT HOLES TO EVEN
UP THE FACE OF THE TUNNEL.

25 FEB 91 ADIT

SHOT THE SIXTEEN HOLE WEDGE
CUT. BROKE PERFECT. STEVE MUCKED
OUT. LOADED AND SHOT THE REST OF
THE STRIP HOLES. BROKE GOOD.
GOT \$340 FOR DRIFT WORK.

26 FEB 91 ADIT

SCALED AND BOLTED IN THE NEW
EAST TUNNEL AND EXHIBIT ROOM.
24 BOLTS.

27 FEB 91 ADIT

DRILLED A TEST HOLE FROM THE
NEW EXHIBIT ROOM TO THE PASSAIC
PIT. 28'. IT WAS DRILLED WITH A
2" BIT. WHEN WE WERE REAMING
IT WITH A 4.5" BIT WE HIT A
SEAM AT 10' AND STUCK. IT IS
STILL STUCK. DRILLED TWO 4"
CENTER HOLES FOR A DEMONSTRATION
DRIFT ROUND. PUT IN TWO SKY
HOOKS TO HANG THE LONGHOLE DRILL.

28 FEB 91 700 LEVEL

DRILLED FIVE STRIP HOLES IN
1250 STOPE. SHOT THEM AFTER LUNCH.
DRILLED TWO STRIP HOLES IN 1010
STOPE AND TWO IN 1120 X-CUT.
TRIED THE AIR LIFTER AGAIN.
SEEMS TO WORK BETTER NOW.

1 MAR 91 700 LEVEL

SCALED LOOSE AND WASHED MUCK PILE
IN 1250 STOPE. HUNG HOSES OUT OF THE
WAY AND STARTED MUCKING 1120 X-CUT.
FOUND A BOULDER TOO BIG FOR THE EIMCO.
DRILLED IT AND BROKE IT WITH OUR NEW
WEDGE & FEATHERS. DRILLED TWO STRIP
HOLES IN THE BROWN WILLEMITZ ZONE
AND TWO IN THE EAST VEIN. HELPED BOB
BRING UP A LOAD OF MYLONITE.

3 MAR 91 ADIT

DRILLED 15 HOLES IN A DEMONSTRATION
DRIFT ROUND. CAN ONLY WORK ON
IT UNTIL THE TOURS START.

4 MAR 91 ADIT - 430 - 500

DRILL SEVEN MORE HOLES IN THE DEMO
DRIFT ROUND. DRILLED FOUR STRIP HOLES
IN THE EAST VEIN DRIFT ON 430 LEVEL.
DRILLED THREE 13' TEST HOLES IN 1020
X-CUT ON 500 LEVEL. DID NOT FIND THE

OLD EAST BRANCH DRIFT THAT I WAS
LOOKING FOR. DID FIND A SEAM ON THE
HANGING WALL THAT CONTAINS CALCITE,
BARITE, ARAGONITE AND TODOROKITE (?),
(P. DUNN SAYS IT IS CHALCOPHANITE)

5 MAR 91 ADIT - 500 - 700

FINISHED THE DEMO DRIFT ROUND BY DRILLING
THREE LIFTERS. WASHED CUTTINGS OUT OF
TEST HOLE. DRILLED THREE STRIP HOLES IN
1250 STOPE AND PUT IN ONE ROCK BOLT.
WORKED ON THE TODOROKITE LOCATION ON
500 LEVEL.

6 MAR 91 ADIT - 600 - 700

PUT A PIECE OF 3" PIPE IN THE
VENT HOLE AROUND THE STUCK STEEL.
DRILLED A NEW 4" HOLE ALONG SIDE
THE PIPE TO TRY TO LOOSEN THE
STUCK BIT. NEEDS MORE WORK.
CHECKED OUT 600 LEVEL. FILL IN THE
WEST VEIN IS DISAPPEARING IN

700 X-CUT AREA. DRILLED FIVE STRIP HOLES IN 1250 STOPE AND PREPARED FOR BLASTING. CLEANED UP 1120 X-CUT FOR BLASTING IN 1010 STOPE AND MUCKING.

7 MAR 91 430-700

THE BLASTER ARRIVED AT 8AM AND WE SHOT STRIP HOLES ON 430 LEVEL, 700 LEVEL AND 1250 STOPE. SCALED LOOSE AND WASHED MUCK PILES. DID SOME MUCKING IN 1120 X-CUT.

8 MAR 91 700 LEVEL

PICKED UP A BUNDLE OF ROCK BOLTS ON 180 LEVEL AND BOLTED IN 1250 STOPE. TEN BOLTS. MUCKED AND WASHED IN 1120 X-CUT.

HEARD TODAY THAT A MINERAL I FOUND IN 740 X-CUT, 700 LEVEL, IS A NEW MINERAL; THE MANGANESE ANALOGUE OF STELLERITE. WE HAD GUESSED IT WAS STILBITE.

10 MAR 91 ADIT - 430

DRILLED ANOTHER FOUR INCH HOLE ON THE LEFT SIDE OF THE STUCK STEEL. THIS TIME IT CAME LOOSE. PULLED OUT THE THREE INCH PIPE AND CONTINUED REAMING THE TEST HOLE. HAD TO QUIT WHEN THE FIRST TOUR SHOWED UP. DRILLED SEVEN STRIP HOLES ON 430 LEVEL IN THE EAST VEIN NORTH OF THE SAFETY EXIT. PICKED UP A NICE PIECE OF ZINCITE BLOBS.

11 MAR 91 ADIT - 700

FINISHED REAMING TEST HOLE. PULLED OUT WITH DIFFICULTY AND WASHED CUTTINGS OUT OF THE HOLE. SET UP IN THE BROWN WILLEMITE ZONE ON 700 LEVEL AND DRILLED FOUR STRIP HOLES. DRILLED TWO MORE STRIP HOLES IN 1250 STOPE AND GOT READY FOR BLASTING. GOT \$100 FOR DRILLING NEW EXHIBIT ROOM.

12 MAR 91 ADIT-430 - 700
USED AN "83" AND SCALING BAR TO
KNOCK DOWN LOOSE IN THE NEW
EAST TUNNEL. STARTED CLEARING
TOOLS OUT OF THE AREA. USED A BLOW
PIPE TO CLEAN OUT STRIP HOLES ON
430 LEVEL. SET UP IN 1120 X-CUT AND
DRILLED FOUR STRIP HOLES ON 700.
USED WEDGES & FEATHERS TO GET A
WILLEMITE SPECIMEN ON 430 LEVEL.

13 MAR 91 430 - 700
MET THE BLASTER AT 8 AM AND
WE SHOT STRIP HOLES ON 430 LEVEL,
700 LEVEL AND 1250 STOPE. WASHED
MUCK PILES AND SCALED LOOSE. BROUGHT
HOME AN 1120 X-CUT PIECE TO TRY IN
AN ACID BATH.

14 MAR 91 430 LEVEL
WORKED IN THE EAST VEIN, NORTH OF THE
SAFETY EXIT. DRILLED SIX 13' STRIP
HOLES. SCALED LOOSE AND BOLTED.
5 BOLTS. THE LOOSE CONTAINED SOME
NICE WILLEMITE AND FRANKLINITE XLS.

16 MAR 91 500 LEVEL
DRILLED EIGHT STRIP HOLES AT 1020 NORTH
IN THE EAST BRANCH. PREPARED FOR
BLASTING.

17 MAR 91 700 LEVEL
REMOVED AIR, WATER AND FILL PIPES
IN THE VICINITY OF 1250 STOPE IN
PREPARATION FOR BLASTING. HELPED BOB
MOVE THE BIG TUGGER OVER THE ABYSS
IN 1220 X-CUT. WASHED MUCK FROM
1120 X-CUT.

18 MAR 91 700 - 600

DRILLED TWO STRIP HOLES IN 1120 X-CUT. DID MORE MUCKING UNTIL THE EIMCO GOT A FLAT. SCALED LOOSE IN 1250 STOPE. GOT A BLOWPIPE FROM 430 LEVEL AND CLEANED OUT STRIP HOLES ON 700 LEVEL. PRIED UP THE RAISE COVER AND GOT DOWN INTO THE NORTH END OF 1010 STOPE ON 600 LEVEL.

19 MAR 91 ADIT - 700

SET UP AN "83" JUST INSIDE THE ADIT. KNOCKED LOOSE OFF THE NORTH RIB AND DRILLED SIX HOLES TO MOUNT A BIG ELECTRICAL PANEL. FIXED A FLAT ON THE EIMCO ON 700 LEVEL. DRILLED STRIP HOLES IN 1010 STOPE FOR RHODONITE. DRILLED TWO STRIP HOLES IN THE EAST VEIN F/W DRIFT FOR QUARTZ VEINS. BROKE ROCKS IN 1120 X-CUT AND GOT SOME GARNET XLS.

20 MAR 91

430 - 700

MET THE BLASTER AT 8 AM AND WE SHOT STRIP HOLES ON 430 AND 700.

HE BROUGHT A BOX OF SLOWER POWDER WHICH IS SUPPOSED TO PRODUCE BIGGER MUCK. BOY DID IT EVER. 430 LEVEL PRODUCED CHUNKS CONTAINING ZINCITE BLOBS AND WILLEMITE XLS. 1120 X-CUT ON 700 PRODUCED NICE BLACK TOURMALINES. 1320 X-CUT PRODUCED NICE RHODONITE VEINS.

21 MAR 91

700 LEVEL

MUCKED OUT 1120 X-CUT AND 1320 X-CUT AREA. DRILLED ELEVEN STRIP HOLES IN 1320 X-CUT AREA. DRILLED ANOTHER HOLE NEAR 1220 X-CUT.

23 MAR 91

430 LEVEL

WORKED AT 1350 N. IN THE EAST VEIN. DRILLED HOLES IN LARGE CHUNKS AND BROKE THEM WITH WEDGE & FEATHERS. GOT WILLEMITE AND FRANKLINITE XLS. ALSO NICE ZINCITE.

25 MAR 91 430 LEVEL

SPENT ANOTHER DAY ON 430 LEVEL
BREAKING CHUNKS AND COLLECTING
CRYSTALS.

26 MAR 91 430 LEVEL

COLLECTED THREE MORE BUCKETS OF
STUFF FOR THE COMPANY. SCALED AND
BOLTED. FOUR BOLTS. A LARGE SLAB
FELL ON THE OIL BOTTLE HOSE, CUTTING
IT. HAD TO FIND A REPLACEMENT. DRILLED
^{ELEVEN}~~NINE~~ STRIP HOLES.

27 MAR 91 WANAQUE AND 430 LEVEL

WENT TO THE WEIS ECOLOGY CENTER WITH
BOB TO CHECK OUT AN OLD IRON MINE THEY
USE FOR TOURS. IT IS APPARENTLY THE
LAUREL HILL MINE OF BAYLEY (1910). THERE IS
SOME MINOR STOPING IN THE HILLSIDE AND
A DRIFT ABOUT 60' LONG. THE STOPE AND
DRIFT APPEARED TO BE DRILLED BY HAND.
THERE ARE SOME LONG TEST HOLES MACHINE

DRILLED AT A LATER TIME. THE WORKINGS ARE MOSTLY IN GOOD SHAPE. THE ADIT NEEDS TO BE MUCKED OUT TO IMPROVE ACCESS AND THE TOP OF THE SLOPE SHOULD BE FENCED TO PREVENT HIKERS FROM FALLING IN.

WENT TO 430 AFTER LUNCH AND DRILLED TEN STRIP HOLES INCLUDING $\frac{1}{2}$ A WEDGE CUT. DRILLED SOME CHUNKS SO BOB COULD WEDGE THEM OPEN AND COLLECT WILLEMITE VEINS. WHILE COLLARING HOLES I NOTICED THAT THE WILLEMITE IS TRIBOLUMINESCENT.

28 MAR 91

430 LEVEL

SCALED AND BOLTED. TWO BOLTS. FINISHED THE WEDGE CUT. SIX HOLES. DRILLED THREE STRIP HOLES AT THE SOUTH END OF THE WORK AREA. GOT MORE HOSES AND SET UP AT THE NORTHERN CRYSTAL AREA. DRILLED FOUR STRIP HOLES TO OPEN IT UP.

29 MAR 91 700 - 430

TRIED SHOOTING STRIP HOLES IN A CORRODED ORE AREA IN THE 1250 STOPE AREA. THE SOFT GROUND ABSORBED ALL THE SHOCK AND DID NOT BREAK. SHOOTING AGAIN DID NOT HELP. KNOCKED SOME PIECES OFF BY DRILLING AND WEDGING AND DRILLED THREE NEW STRIP HOLES. TOOK THE BLOW PIPE TO 430 AND CLEANED OUT STRIP HOLES.

1 APR 91 600 LEVEL

SPENT ALL MORNING REPAIRING WATER PIPE THAT GOES TO 1100 X-CUT. WASHED WALLS IN 1100 X-CUT. SAW RHODONITE AND A GOOD SHOW OF HIGH GRADE ORE.

2 APR 91 600 LEVEL
WASHED WALLS IN 1140 X-CUT,
1100 X-CUT, 1010 STOPE, 1080 X-CUT
AND 1060 X-CUT.

3 APR 91 600-700
SHOT TWO HOLES IN 1320 X-CUT
AREA ON 700 LEVEL. WAS HOPING TO
GET MORE RHODONITE XLS IN A CAL-
CITE VEINLET BUT GOT ONLY SOLID
VEIN MATERIAL. DID MORE WALL
WASHING IN 1020 X-CUT TO 1100 X-CUT
AREA ON 600 LEVEL.

4 APR 91 600-700
WASHED WALLS IN 1060 X-CUT, 1040
X-CUT AND 1020 X-CUT. BOB TOOK
A CREW TO 700. THEY DISMANTLED
THE 1250 EIMCO AND GOT HALF OF IT
ACROSS THE ABYSS IN 1220 X-CUT.

5 APR 91 600 LEVEL

WASHED WALLS IN 1220X-CUT AND THE EAST VEIN F/W DRIFT. RIGGED UP A LONG PIECE OF PIPE AND CLEANED OUT A PLUGGED DRAIN HOLE. SHOVELLED UP SOME OF THE MUCK AROUND THE ORE PASS AND DUMPED IT IN THE BULK HEAD DOOR PIT. BOB GOT THE REST OF THE 1250 EIMCO ACROSS THE ABYSS AND REASSEMBLED IT.

7 APR 91 600 LEVEL

WASHED WALLS IN 1220 X-CUT. CHECKED PREVIOUSLY WASHED AREAS WITH A GOOD BLACKLITE. WE FINISHED MUCKING AROUND THE ORE PASS AND FILLED THE BULKHEAD DOOR PIT.

8 APR 91 600-700

JOHN ONDER AND I PUT THE
1250 EIMCO ON THE CARRIER AND
SENT IT UP TO 430 LEVEL. ON 600
I WASHED WALLS IN 1220 X-CUT
AND NEARBY DRIFTS.

9 APR 91 430 - 600

DRILLED TWO HOLES NEAR THE
SAFETY EXIT ON 430 AND HUNG
THE AIR AND WATER PIPES. CLEANED
UP THE DRIFT FOR MUCKING. WENT
TO 600 AND WASHED WALLS ON AND
NEAR THE STATION. ACTIVATED THE
WATER LINE IN THE WEST VEIN DRIFT.

10 APR 91 600 LEVEL

WASHED WALLS IN WEST VEIN F/W DRIFT.
ADDED 80' TO THE WATER PIPE, GOING
SOUTH.

11 APR 91

600 LEVEL

WASHED WALLS IN THE WEST VEIN F/W DRIFT. ADDED 140' OF PIPE TO THE WATER LINE. FILL WAS MOVING IN THE WEST VEIN STOPE BELOW 700 X-CUT.

12 APR 91

430 - 600 - 700

FRED BROUGHT TWO BOXES OF POWDER AND WE SHOT STRIP HOLES ON 430 AND 700. WASHED MUCK PILES AND SCALED LOOSE. WASHED WALLS ON 600 LEVEL IN 760 STOPE AREA. FOUND LOTS OF DIOPSIDE THERE.

14 APR 91

600 LEVEL

WASHED WALLS IN WEST VEIN F/W DRIFT AND 700 X-CUT. ADDED 140' OF PIPE TO THE WATER LINE. IT NOW ENDS AT 700 X-CUT. SAW LOTS OF NORBERGITE AND DIOPSIDE.

15 APR 91 430 - 600 - 700

DRILLED THREE STRIP HOLES ON
430 LEVEL. DRILLED THREE STRIP
HOLES IN 1120 X-CUT ON 700 LEVEL.
WASHED WALLS ON 600 LEVEL IN
700 X-CUT AND THE FOOT WALL DRIFT.
FOUND NICE BARITE IN 700 X-CUT.

16 APR 91 600 LEVEL

WASHED WALLS IN WEST VEIN F/W
DRIFT AND 700 X-CUT. ADDED 40'
TO WATER PIPE. FOUND WOLLASTONITE
IN 700 X-CUT AND SECOND BARITE
ZONE.

17 APR 91 600 LEVEL AM

WASHED WALLS IN 700 X-CUT AND
EAST VEIN DRIFT. ADDED 60' TO WATER
PIPE. HELPED DICK WITH GROUP FROM
AMNH. WENT TO 430-340-180.

18 APR 91

430 - 700

FRED BROUGHT TWO BOXES AND WE SHOT HOLES ON 430 AND 700. SCALED LOOSE AND WASHED MUCK PILES. COLLECTED SOME EPIDOTE VEIN SAMPLES FROM 1320 X-CUT ON 700 LEVEL. GOT THE LAST OF THE TOURMALINE XLS ON 700.

19 APR 91

430 - 700 - 600

PUT THE 1020 EIMCO ON THE CARRIER AND MOVED IT FROM 700 TO 600. MUCKED UP SOME FILL ON 600 AND STARTED FILLING DITCHES. DRILLED TWO 13' STRIP HOLES ON 430. SET UP A DRILL IN 1320 X-CUT AREA ON 700. DRILLED SOME SHORT HOLES. TRIED WEDGING OFF PIECES OF EPIDOTE AND RHODONITE. NOTHING GOOD CAME OFF.

22 APR 91 600 LEVEL

MUCKED UP SPILLED FILL FROM
1100 X-CUT AND USED IT TO FILL
VARIOUS HOLES AROUND 600 LEVEL.
WASHED WALLS IN THE EAST VEIN
DRIFT NORTH AND SOUTH OF 700 X-CUT.
THIS IS FRANKLINITE ZONE WITH A
PERSISTANT ZONE OF WILLEMITE
SOUTH OF 700 X-CUT. WALKED DOWN
TO 600 AND WAS HOISTED BACK UP
BY JOHN ONDER.

23 APR 91 600 - 700

PICKED UP ALL DRILLING GEAR ON
700 LEVEL. MOVED IT TO 600 AND 430.
FINISHED MUCKING 1100 X-CUT ON 600
AND MOVED A ROCKER DUMP FROM
1060 X-CUT TO 1220 X-CUT. ADDED
40' TO THE NEW WATER PIPE AND
WASHED WALLS IN THE EAST VEIN
DRIFT NORTH OF 700 X-CUT.

24 APR 91 430 - 600

SET UP ON 430 STATION AND DRILLED FIVE STRIP HOLES. THE OBJECT IS CORUNDUM. WASHED WALLS IN THE EAST VEIN DRIFT ON 600 LEVEL. USED THE EIMCO TO PULL TWO LARGE ORE CARS OUT OF 1020 X-CUT. PARKED THEM IN 1100 X-CUT.

25 APR 91 600 LEVEL

SET UP IN 1140 X-CUT AND DRILLED SIX STRIP HOLES. WASTED AN HOUR ON A DRILL REPAIR. MOVED TO 1060 X-CUT AND DRILLED NINE STRIP HOLES. MUCKED OUT MOST OF 1040 X-CUT. WILL USE 1040 LATER TO DUMP EXCESS ROCK.

26 APR 91 600 LEVEL
FINISHED MUCKING OUT 1040 X-CUT.
REMOVED DRILLING GEAR FROM 1060
X-CUT. MOVED TWO BIG ORE CARS
AND ONE ROCKER DUMP TO THE SHAFT
STATION. ADDED 40' TO THE WATER
PIPE IN 700 X-CUT AND WASHED WALLS
IN THE EAST VEIN. LEFT AFTER LUNCH
TO SET UP A DISPLAY AT W. PATERSON
COLLEGE.

29 APR 91 600 LEVEL
FIRED FOUR STRIP HOLES IN 1060
X-CUT. SENT A ROCKER DUMP UP
TO THE ADIT. MOVED ANOTHER CAR
OUT TO THE STATION. IT TIPPED OVER
WHEN WE DUMPED IT AND WE NEEDED
A COME-ALONG TO SET IT RIGHT.
WASHED WALLS IN THE EAST VEIN
NORTH OF 700 X-CUT.

30 APR 91

430 - 500 - 600

FRED BROUGHT TWO BOXES OF POWDER AND WE SHOT HOLES ON 430-500 AND 600. WASHED MUCK PILES AND SCALED LOOSE. 430 STATION ONLY PRODUCED ONE SPECIMEN ~~OF~~ OF CORUNDUM. EAST VEIN - DYNASHEAR HOLES DID NOT BREAK WELL. WEDGE BROKE GOOD. 1020 X-CUT ON 500 BROKE GOOD. 1060 X-CUT ON 600 BROKE GOOD AND PRODUCED A LOT OF NICE SECONDARY RHODONITE. MUCKED OUT 1060 X-CUT AND PART WAY INTO THE MUD ZONE. HELPED FRED KIRK UNLOAD A ROCKER DUMP IN THE ADIT.

2 MAY 91 180 LEVEL

COMPRESSOR STILL INOP. WALKED TO 180 AND EXPLORED THE KEEL AREA. FOUND A WAY PAST THE FIRST FILL PILE. A WAY SEEMS TO EXIST PAST THE SECOND FILL PILE BUT IT IS TOO DANGEROUS TO TRY ALONE. WALKED BACK UP.

3 MAY 91 430-600-700

DISMANTLED AIR LIFTER CONTROL ON 700 AND MOVED IT TO 600. PULLED SOME WATER VALVES AND THE LAST WATER HOSES OFF 700. WORKED ON AN OLD TWO INCH LINE IN THE WEST VEIN DRIFT ON 600. SET UP ON 430 AND DRILLED FIVE STRIP HOLES IN THE EAST VEIN.

4 MAY 91 430 - 600

FINISHED STRIP HOLES ON 430.
MOVED STRIP MUCK ON THE STATION.
NO MORE CORUNDUM WAS FOUND.

CLEANED UP EXCESS FILL FROM
BOB'S DITCH FILLING OPERATION.

MUCKED OUT MORE MUD ZONE IN
1060X-CUT ON 600. WASHED WALLS
IN KEEL AREA. SAW DODECAHEDRAL
FRANKLINITES.

6 MAY 91 500 - 600

SET UP IN 1020 X-CUT ON 500
AND DRILLED EIGHT STRIP HOLES.

SET UP IN 1020 X-CUT ON 600
AND DRILLED SEVEN STRIP HOLES.

MOVED TO 1060 X-CUT AND DRILLED
THREE STRIP HOLES. WASHED WALLS
IN KEEL AREA.

7 MAY 91 600 LEVEL

MADE A BLOWPIPE AND CLEANED
OUT STRIP HOLES IN 1020 X-CUT.
INSTALLED NEW PIVOT PIN FOR THE
EIMCO BUCKET. PUT IN TWO PIECES
OF TWO INCH PIPE AND A PIPE
UNION IN THE OLD AIR LINE IN
THE F/W DRIFT. GOT AIR DOWN
TO 700 X-CUT. WILL HAVE TO FIX
ONE LEAK. WASHED WALLS IN THE
KEEL AREA. THERE IS GOOD POTENTIAL
THERE FOR DODECAHEDRAL FRANK-
LINITES, APATITES, PYROXENE XLS,
MICA XLS, AND BARITE.

8 MAY 91 600 LEVEL

PATCHED THE LEAK IN THE AIR LINE IN THE P/W DRIFT AND PUT A VALVE ON THE END. WILL BE ABLE TO DRILL NOW IN 700 X-CUT. MOVED A DRILL FROM 430 TO 600 AND DRILLED PIN HOLES ON THE STATION. HUNG UP HOSES AND ETC. PUT UP TWO SHELVES FOR STORAGE. DID HOUSE KEEPING ON THE STATION. IT HAD BECOME A REAL MESS. WATER IS SIX RUNGS BELOW 700 LEVEL.

9 MAY 91 600 LEVEL

SET UP A DRILL ON THE SECOND STEP BELOW 600 IN THE SHAFT AND DRILLED SIX STRIP HOLES. THIS WILL CREATE A SUMP FOR A NEW PUMP STATION. GOT WET SO I WENT HOME AFTER LUNCH.

10 MAY 91 600 LEVEL

CARRIED DRILLING GEAR FROM THE STATION (1220 X-CUT) TO 700 X-CUT AND SET UP TO DRILL. DRILLED 16 STRIP HOLES. THE SUMP PUMP ON 500 HAS BEEN DEACTIVATED NOW THAT 700 IS ABANDONED.

13 MAY 91 600 LEVEL

FINISHED THREE STRIP HOLES IN 700 X-CUT. DRILLED FIVE MORE. MOVED TO THE EAST VEIN AND DRILLED FOUR STRIP HOLES. HAD TO EXTEND THE TWO INCH PIPE TO THE EAST VEIN AND GET TWO MORE AIR HOSES. MOVED TO THE KEEL AND DRILLED FIVE STRIP HOLES. WALKED DOWN TO 700 AFTER LUNCH. WATER WAS SIX INCHES DEEP ON THE STATION.

14 MAY 91 600 LEVEL

DRILLED TWO MORE STRIP HOLES IN KEEL AREA. DRILLED SOME POP HOLES TO KNOCK DOWN A CRYSTAL SPECIMEN. IT DID NOT BREAK RIGHT. MOVED TO THE EAST VEIN DRIFT NORTH OF 700 X-CUT. DRILLED FOUR 13' STRIP HOLES. MOVED AIR PIPE IN 700 X-CUT TO THE SOUTH RIB TO MINIMIZE BLAST DAMAGE. REMOVED WATER LINE. HEARD FILL MOVING DURING THE AFTERNOON BUT COULD NOT FIND WHERE. NOTICED THAT THE SQUARE SET MANWAY IN 1160 STOPE HAS COLLAPSED.

15 MAY 91 600 LEVEL

CLEANED UP NAIL INFESTED TIMBER AT THE EAST END OF 1020 X-CUT. USED THE EIMCO TO MUCK SHOT ROCK AND CEMENT OUT OF A HOLE INTO THE MUD ZONE. FOUND A ZONE IN THE MUD CONTAINING CRUSTS OF HEMIMORPHITE, MOSTLY MUD-STAINED. THEY ARE IN A SANDY ZONE ABOUT TWO FEET FROM THE ROCK-MUD CONTACT.