

16 MAY 91 600 LEVEL

DID A LITTLE MORE MUCKING IN THE MUD ZONE OFF 1020 X-CUT. PICKED OUT LIKELY LOOKING GLOBS OF MUD AND WASHED THEM. MANY TURNED OUT TO BE HEMIMORPHITE. A FEW WERE EVEN NICE. MUCKED OUT MOST OF THE ROCK WHICH WAS BLOCKING THE EAST BRANCH PART OF 1080 X-CUT. MOVED IT TO 1160 X-CUT. THERE IS ANOTHER MUD ZONE EXPOSURE IN 1080 X-CUT.

17 MAY 91 600 LEVEL

FINISHED MUCKING OUT 1080 X-CUT. PRIED MORE HEMIMORPHITE OUT OF THE MUD IN 1020 X-CUT AND WASHED THEM. DISCOVERED THAT THE FILL IN THE WEST VEIN HAS SUBSIDED IN 1020 X-CUT AREA WIPING OUT THE STEEL SETS. THE HOLE IN THE SOUTH RIB OF 1180 PILLAR HAS GOTTEN BIGGER AND A LOT MORE FILL CAME OUT. THIS

EXPLAINS THE COLLAPSE OF THE  
MANWAY SETS IN 1160 STOPE. THERE  
IS SET TIMBER IN THE FILL WHICH  
IS RUNNING INTO 1180 PILLAR.

20 MAY 91 430 - 600

MEASURED OUT FIVE FOOT INTER-  
VALS IN 700 X-CUT AND TOOK AN  
UNBIASED SAMPLE ACROSS THE  
FRANKLINITE ZONE FOR DR. DUNN.

MUCKED OUT MORE MUD ZONE IN  
1020 X-CUT AND WASHED HEMI-  
MORPHITES. FOUND SOME NICE  
ONES. FRED S. CAME IN AT  
3:30 AND WE SHOT STRIP HOLES  
ON 430 AND 600.

21 MAY 91 430 - 600

SCALED LOOSE AND WASHED MUCK  
PILES. HOLES ON 430 BROKE GOOD.  
NOT MUCH IN THE WAY OF XLS BUT  
GOOD FLUORESCENT ORE. 1020 X-CUT  
WEST END BROKE GOOD. MUCKED OUT  
PART OF IT. WEST END OF 700 X-CUT  
ONLY SERVED UP ONE NICE BARITE.  
HOLES IN CENTER PRODUCED POCKETS  
OF QUARTZ AND HEMATITE. HAD TO  
REINSTALL WATER PIPE THRU 700  
X-CUT TO WASH EAST VEIN AND  
KEEL MUCK. GAS WAS SO BAD I  
HAD TO GET OUT OF THERE.

22 MAY 91 W 430 - 600

SET UP ON 430 AND DRILLED TWO  
13' STRIP HOLES IN THE EAST VEIN.  
THIS IS THE GOOD AREA FOR WILLEMITE  
CRYSTALS. WENT TO 600 AND MADE  
SOME CHANGES IN THE TWO INCH LINE  
IN 700 X-CUT SO I COULD GET AIR  
BACK TO THE KEEL. LET IT BLOW  
FOR FOUR HOURS AND IT SEEMS TO  
HAVE DISPERSED THE GASSES. MUCKED  
INTO THE MUD ZONE AT THE ~~EAST~~<sup>WEST</sup>  
END OF 1020 X-CUT. COLLECTED SOME  
HEMIMORPHITE FROM THE EAST END.  
GOT SOME BARITE AND GARNET IN  
THE KEEL.

23 MAY 91 430 - 600

MUCKED MORE MUD OUT OF 1020 X-CUT AND 1060 X-CUT. USED A PICK TO DIG THRU THE MUCK PILE IN 700 X-CUT. FOUND TWO BUCKETS OF BARITE. TOOK THE EIMCO DOWN THE WEST VEIN DRIFT AS FAR AS 700 X-CUT. A ROUGH RIDE. BLEW OUT A HYDRAULIC HOSE ON THE WAY OUT. MOVED DRILLING GEAR OFF THE MUCK PILE ON 430 LEVEL IN PREPARATION FOR BLASTING.

24 MAY 91 600 LEVEL

REMOVED BROKEN HYDRAULIC HOSE AND SENT IT UP. SET UP A DRILL IN 700 X-CUT AND DRILLED A HOLE IN A LARGE BOULDER. BROKE IT WITH WEDGE PINS AND GOT TWO BUCKETS OF NICE BARITE. KEPT ONE <sup># 541</sup> PIECE. A NEW HOSE CAME DOWN AND I PUT IT ON THE EIMCO. ADDED FIVE GALLONS OF HYDRAULIC FLUID. TOOK TWO LONG I-BEAMS TO 700 X-CUT AND MADE A BRIDGE OVER

THE EMPTY WEST VEIN. MUCKED OUT PARTS OF THREE STRIP ROUNDS AND DUMPED THE MUCK IN THE EAST VEIN NORTH OF 700 X-CUT. THERE IS DEEP WATER THERE AND I DONT WANT THE MUCK FROM THE NEXT STRIP HOLES TO DISAPPEAR INTO IT.

27 MAY 91 600 LEVEL

REMOVED TWO PIECES OF RAIL FROM THE EAST END OF 700X-CUT. MUCK OUT STRIP MUCK SOUTH OF 700X-CUT, DUMPING IT TO THE NORTH. HAD A FLAT. GOT A SPARE FROM THE ADIT AND FIXED IT. FINISHED MUCKING. ANOTHER TIRE DEVELOPED A SLOW LEAK. BLEW OUT A DIFFERENT ONE ON THE WAY TO THE STATION. WASHED MUCK AGAIN IN 700 X-CUT AND GOT MORE BARITE. PICKED OUT PIECES OF A PINK MINERAL IN THE KEEL. PICKED OUT HEMIMORPHITE IN 1020 X-CUT. BROUGHT THE OTHER FLAT UP.

28 MAY 91 600 LEVEL

DUG THRU THE MUCK PILE IN THE KEEL. FOUND BARITE AND GARNET XLS. REMOVED WATER LINE FROM 700 X-CUT IN PREPARATION FOR BLASTING. FRED DID NOT SHOW UP.

29 MAY 91 180 - 600

WALKED DOWN FROM 180 LEVEL ON AN INSPECTION TOUR. FOUND A PROBLEM ON 340 LEVEL. THE MANWAY BOX IN 1015 NORTH MANWAY HAS ROTTED OUT AND FILL IS SPILLING DOWN INTO THE CROSS CUT. PUT A FIXED TIRE ON THE 600 EIMCO AND REMOVED THE FRONT TIRE. THAT RIM IS VERY HARD TO GET OFF. FRED CAME IN AT 2.30 AND WE SHOT HOLES ON 430 AND 600. WE HAD TWO MISFIRES IN THE SUMP ROUND BELOW 600 BUT FINALLY GOT IT BLASTED. THIS WRECKED THE RAILS IN #1 SIDE AND THE SHAFT LADDER.

30 MAY 91 430 - 600

SCALED LOOSE AND WASHED MUCK  
PILES AT BLAST SITES. THE SHOT  
ON 430 KNOCKED DOWN LARGE  
BLOCKS. THE SHAFT SHOT BROKE  
GOOD. GOT SOME NICE BARITE IN  
700 X-CUT.

31 MAY 91 430 LEVEL

SCALED AND BOLTED IN THE EAST  
VEIN NORTH OF THE SAFETY EXIT.  
20 BOLTS.

1 JUN 91 430 LEVEL

INSTALLED NEW BLOWER BELT ON LHD.  
SCALED LOOSE AND BOLTED. 12 BOLTS.  
DRILLED TWO 13' STRIP HOLES. USED  
WEDGE AND FEATHERS TO COLLECT  
PIECES FROM A WHITE WILLEMITE AND  
SERPENTINE VEIN.



3 JUN 91 600 LEVEL

INSTALLED A NEW TIRE ON THE  
EIMCO. MUCKED THRU THE PILES  
IN 700 X-CUT. FOUND NO BARITE  
IN PILE ONE. GOT A BUCKET OF  
WOLLASTONITE FROM PILE TWO. HAND  
MUCKED THE NEW SUMP BELOW  
600 LEVEL.

4 JUN 91 430 - 600

MUCKED OUT THE FOOTWALL PART OF  
1040 X-CUT ON 600. HOPEFULLY, THIS  
WILL IMPROVE VENTILATION IN THE  
AREA. DRILLED CHUNKS ON 430 LEVEL  
AND SPLIT THEM WITH WEDGES. ONLY  
GOT A FEW MEDIOCRE WILLEMITES.  
BROUGHT UP SOME HEMIMORPHITES  
FROM 600 LEVEL.

5 JUN 91 430 - 600

DRILLED AND WEDGED MORE CHUNKS ON 430. GOT A FEW XTALS. DRILLED SOME HOLES IN AN ANOMALOUS BAND OF ORE IN THE F/W AND WEDGED OUT SOME MICRO XTALS FROM A WILLEMITE VEIN. MUCKED OUT 760 X-CUT ON 600. FIRST PART WAS ROCK, WHICH I DISPOSED OF. THEN I FOUND TAILINGS THAT I USED TO FILL HOLES IN THE F/W DRIFT.

6 JUN 91 600 LEVEL

DUG MORE TAILINGS OUT OF 760 X-CUT AND USED THEM TO MAKE A SMOOTH ROAD IN THE F/W DRIFT. HAD TO DIG OUT INTO 760 STOPE BEFORE THE TAILINGS GOT LOOSE AND STARTED TO RUN. IT FINALLY CAME DOWN IN A SURGE. DID MORE DIGGING IN THE MUD ZONE AND GOT SOME NICE HEMIMORPHITES. SET UP TO DO SOME DRILLING IN 1060 X-CUT.

8 JUN 91 600 LEVEL

DRILLED TWO STRIP HOLES IN 1060 X-CUT. MOVED TO 1040 X-CUT AND DRILLED ONE HOLE. SET UP IN 1100 X-CUT AND DRILLED TWO HOLES. THE TWO INCH LINE IN THE F/W DRIFT GOT BROKEN BY THE EIMCO. REPAIRED IT TODAY.

10 JUN 91 600 LEVEL

DUG OUT MUD IN 1020 X-CUT AND WASHED HEMIMORPHITES. DUG THRU A MUCK PILE NORTH OF 700 X-CUT LOOKING FOR QUARTZ - BRECCIA SAMPLES.

11 JUN 91 600 - 500

DUG THRU THE MUCK PILE IN THE KEEL. PULLED OUT MORE BARITES. DISMANTLED THE WATER LINE IN 700 X-CUT FOR THE NEXT STRIP SHOT. BEGAN EXTENDING THE AIR PIPE IN THE W/V F/W DRIFT. GOT THE PARTS NEAR 1200 STOPE. <sup>ON 500 LEVEL</sup>

12 JUN 91 500 LEVEL

ADDED 30' TO AIR PIPE IN F/W  
DRIFT. ADDED 220' TO WATER  
PIPE. CLIMBED PART WAY UP AN  
OLD RAISE IN THE SAFETY EXIT  
CROSS CUT. IT MUST HAVE BEEN  
DRIVEN AND THEN NOT USED. THE  
LAGGING IS STILL IN PLACE.

13 JUN 91 500 LEVEL

EXTENDED WATER PIPE ANOTHER  
150' IN THE F/W DRIFT. USED  
LADDERS AND WATER PIPES TO CLIMB  
HIGHER IN THE RAISE BY THE SAFETY  
EXIT. ONE MORE TEN FOOT PIPE  
SHOULD GET ME TO THE TOP.

15 JUN 91 430-500-600  
BROUGHT 300' OF AIR PIPE UP  
TO 500 LEVEL AND LAID IT OUT IN  
THE F/W DRIFT. CHET LEMANSKI  
AND ME HUNG MOST OF IT. GOT  
ANOTHER 10' WATER PIPE AND GOT  
TO THE TOP OF THE OLD RAISE ON  
500. IT IS A DEAD END. THE  
BLASTER CAME IN AT 3:30 P.M.  
AND WE BLASTED ON 430, 500, AND  
600 LEVELS.

16 JUN 91 430-500-600  
WASHED MUCKPILES AND SCALED LOOSE.  
BEST STUFF FOUND WAS BARITE AND  
WOLLASTONITE IN 700X-CUT ON 600.  
BROUGHT HOME AN EXCEPTIONAL PIECE  
OF WOLLASTONITE. #544

18 JUN 91 500 - 600

ADDED ANOTHER 120' OF TWO INCH  
PIPE TO THE AIR LINE IN THE F/W  
DRIFT ON 500 LEVEL. ON 600; MUCKED  
THRU PILE AT WEST END OF 700 X-CUT  
AND GOT TWO BUCKETS OF BARITE.  
PLOWED THRU TO THE WOLLASTONITE  
AREA AND GOT TWO MORE NICE PIECES.  
SCALED LOOSE IN 1060 X-CUT.

19 JUN 91 600 LEVEL

SET UP IN 700 X-CUT AND DRILLED  
FOUR STRIP HOLES FOR WOLLASTONITE.  
WASHED MUCK AND GOT A FEW MORE  
BARITES. MOVED SET-UP TO KEEL  
AND DRILLED SIX 13' STRIP HOLES.  
ALSO DRILLED BLOCK HOLES.

20 JUN 91 500 LEVEL

ADDED LAST 20' TO AIR PIPE IN F/W. DRIFT. MOVED DRILLING GEAR TO 1100 PILLAR AND DRILLED FOUR STRIP HOLES. USED BLOW PIPE AND BANTO TO CLEAN MUCK OUT OF 1020 RAISE. TALKED TO REPORTER FROM WNTN NEWS.

21 JUN 91 500 - 600

FILLED THE EIMCO BUCKET WITH WOLLA STONITE IN 700X-CUT AND TOOK IT TO THE STATION. BROKE BOULDERS IN THE KEEL LOOKING FOR BARITE AND SVABITE. ON 500; MOVED THE DRILL TO 1020 RAISE AND DRILLED SEVEN TEST HOLES TRYING TO FIND THE OLD EAST BRANCH DRIFT. NO LUCK.

23 JUN 91 430 - 500

SET UP IN THE EAST VEIN AND  
PUT IN ELEVEN ROOF BOLTS.  
MOVED TO 1020 RAISE ON 500 AND  
DRILLED TWELVE STRIP HOLES.

24 JUN 91 430 - 600

ON 600 - DUG THRU MUCK PILE EAST  
OF WOLLASTONITE IN 700 X-CUT. FOUND  
MANY BARITES. BROKE ROCKS IN KEEL,  
FINDING FLUORESCENT APATITE AND  
SOME KIND OF CRYSTALS. <sup>ZIRCON? 542</sup> DID SOME  
MUCKING IN 1060 X-CUT. ~~ON~~ ON 430 -  
HELPED KIRK REPAIR EIMCO.

25 JUN 91 500 - 600

MUCKED OUT 1060 X-CUT, PICKING OUT  
PIECES OF RHODONITE AND WILLEMITE.  
ON 500 - MOVED DRILLING GEAR FROM  
1020 RAISE TO THE OLD MAGAZINE  
AREA.



26 JUN 91 500 LEVEL

CARRIED TWO WATER HOSES AND AN AIR HOSE TO THE OLD MAGAZINE.

SET UP AND DRILLED TEST HOLES TIL I FOUND THE END OF THE EAST VEIN DRIFT. FIVE HOLES. IT IS FOUR FEET ABOVE THE MAGAZINE. DRILLED A SIX HOLE STRIP ROUND TO BREAK INTO IT. DRILLED TWO HOLES FOR A RHODONITE VEIN NEAR THE DOOR.

27 JUN 91 500 LEVEL

DRILLED 12 STRIP HOLES IN OLD MAGAZINE AREA. DRILLED 8 PIN HOLES TO SUPPORT RAILS LAID ALONG THE FOOT WALL. JUST IN CASE THE FILL GOES DOWN. HAD TO REPAIR AIR AND WATER HOSES.

29 JUN 91 500 - 600

LAI D OUT WATER HOSES AND WASHED WALLS IN 700 X-CUT ON 500. PREPARED VARIOUS DRILL SITES FOR BLASTING. FRED CAME IN AT 3 PM AND WE SHOT HOLES ON 500 AND 600. FINISHED UP AT 6 PM.

30 JUN 91 500 - 600

SCALED LOOSE AND WASHED MUCK PILES ON 500 AND 600. THE STRIP ROUND IN THE OLD MAGAZINE BROKE GOOD, MAKING A HOLE INTO THE DRIFT ABOVE. 540 STOPE PRODUCED NICE FRIEDELITE. 1100 PILLAR PRODUCED NICE SPHALERITE. ON 600 - 1140 PILLAR HOLES DID NOT BREAK WELL BUT PRODUCED NICE SPHALERITE. 700 X-CUT PRODUCED WOLLASTONITE AND TREMOLITE. THE KEEL PRODUCED FRANKLINITES AND A YELLOW VEIN MINERAL. USED A BLOWPIPE TO MOVE MUCK OUT OF THE OLD DRIFT

ABOVE THE MAGAZINE.

2 JUL 91 500 - 600

BROUGHT IN ANOTHER HOSE AND WASHED WALLS IN 700 X-CUT ON 500 LEVEL. GOT TO THE WOLLASTONITE. IT IS DISSEMINATED IN A NARROW ZONE ACROSS THE X-CUT. ON 600 - PICKED OUT AN EIMCO BUCKET LOAD OF WOLLASTONITE AND SOMETHING ELSE IN 700 X-CUT AND TOOK IT TO THE STATION. MUCKED OUT SOME WASTE ROCK. DRILLED THREE SHORT STRIP HOLES AND FIRED THEM. THIS WILL FACILITATE DRILLING THE NEXT BIG STRIP.

3 JUL 91 500 - 600

ON 600 - SET UP IN 700 X-CUT AND DRILLED SIX STRIP HOLES IN THE WOLLASTONITE ZONE. ALSO DRILLED TWO SHORT HOLES AND WEDGED OFF SOME NICE PIECES. ON 500 - WASHED WALLS IN 700 X-CUT. MOVED HOSES TO KEEL AND BEGAN WASHING WALLS THERE.

5 JUL 91 500 - 600

ON 500 - WASHED DRIFT WALLS IN THE KEEL. DID NOT SEE ANYTHING EXCITING. ON 600 - MOVED A "53" FROM 1100 X-CUT TO THE STATION. SET UP IN THE NEW SUMP AND DRILLED TWO SHORT HOLES TO ANCHOR THE PUMP.

6 JUL 91 180 - 430 - 600

SET UP IN THE EAST VEIN ON 430 LEVEL AND DRILLED EIGHT STRIP HOLES. EXPLORED FARTHER IN THE EAST VEIN ON 180. FRED CAME IN AT 3 PM AND WE SHOT HOLES ON 600 LEVEL.

7 JUL 91 600 LEVEL

SCALED LOOSE AND WASHED MUCK PILES. 1140 PILLAR PRODUCED NICE SPHALERITE. 1100 X-CUT PRODUCED FLUORITE. 1060 X-CUT PRODUCED BROWN SPHALERITE. 1040 X-CUT PRODUCED MIXED SULPHIDES. 700 X-CUT PRODUCED WOLLASTONITE. THE STRIP HOLES IN THE KEEL DID NOT BREAK. GOT THE DRILL FROM THE NEW SUMP AND DRILLED THREE STRIP HOLES IN 1140 PILLAR. FOUND ANOTHER ZIRCON IN THE KEEL.

9 JUL 91 600 LEVEL

LOADED AND FIRED ONE STRIP HOLE IN 1140 X-CUT. KNOCKED DOWN A BIG LOAD OF SPHALERITE. MOVED TO 1100 X-CUT AND DRILLED A STRIP HOLE FOR FLUORITE. SET UP IN 1060 X-CUT AND DRILLED TWO HOLES FOR RHODONITE. MOVED TO 1040 X-CUT AND DRILLED A HOLE FOR SULFIDES. HAD TO REPAIR AIR AND WATER PIPES. MUCKED TAILINGS OUT OF 760 STOPE AND USED IT TO SMOOTH OUT DRIFT FLOOR SOUTH OF 700 X-CUT. STARTED MUCKING OUT 700 X-CUT. GOT TWO NICE DIOPSIDES FROM EAST BRANCH F/W DRIFT.

10 JUL 91 600 LEVEL

DID MORE MUCKING IN 700 X-CUT. PICKED OUT WOLLASTONITES. THE SCRAP MUCK IS GOING TO THE WEST VEIN F/W DRIFT SOUTH OF 700 X-CUT. GOT SOME VERY GOOD WOLLASTONITE.

11 JUL 91 600 LEVEL

FINISHED MUCKING OUT 700 X-CUT.  
HUNG UP AIR PIPE SO I CAN GET  
INTO THE EAST VEIN AND MUCK THAT  
OUT. SENT UP A 55 GALLON DRUM,  
A LARGE TUB, AND A BOULDER OF  
WOLLASTONITE.

13 JUL 91 430 - 500 - 600

SET UP IN THE EAST VEIN ON 430  
AND DRILLED FIVE STRIP HOLES.  
ON 600 - PREPARED VARIOUS DRILL SITES  
FOR BLASTING. TRIED TO MUCK OUT  
THE EAST VEIN DRIFT BUT A HY-  
DRAULIC HOSE BURST ON THE LHD.  
FRED CAME IN AT 2:30 AND WE  
SHOT HOLES ON 430, 500 AND 600.

14 JUL 91 430 - 500 - 600  
WASHED MUCK PILES AND SCALED  
LOOSE AT ALL BLAST SITES. HOLES  
ON 430 BROKE GOOD. BLAST IN  
1020 RAISE - 500 LEVEL BROKE GOOD  
AND REVEALED THE MUD ZONE.  
HOLES IN OLD MAGAZINE AREA  
PRODUCED NICE RHODONITE AND  
SO-SO WILLEMITE. ON 600 -  
1140 PILLAR PRODUCED GOOD SPHALER-  
ITE, 1100 X-CUT PRODUCED FLUORITE,  
1060 X-CUT PRODUCED RHODONITE,  
STRIP IN KEEL BROKE THIS TIME.  
REMOVED BAD HOSE FROM LHD.

16 JUL 91 600 LEVEL  
INSTALLED NEW HYDRAULIC HOSE ON LHD  
AND PUT IN 5 GAL. OF HYDR. FLUID. MUCKED  
OUT 700 X-CUT AND EAST VEIN DRIFT. MUCKED  
UNDER 1010 CHUTE. DRILLED A HOLE IN 1040  
X-CUT. SET UP TO DRILL IN 1100 X-CUT.



17 JUL 91

600 LEVEL

DRILLED TEN STRIP HOLES IN 1100 X-CUT. THIS WILL CHECK OUT CENTRAL ZINCITE ZONE AND CONTACT WITH CALCSILICATE. MOVED TO EAST BRANCH F/W DRIFT AND DRILLED TWO HOLES FOR DIOPSIDE. REMOVED AIR AND WATER PIPES IN BLAST ZONES.

18 JUL 91

500 LEVEL

SET UP IN THE OLD MAGAZINE AREA AND DRILLED SIX STRIP HOLES. MOVED TO 700 X-CUT AND DRILLED FOUR STRIP HOLES. DID SOME HAND MUCKING IN 1020 RAISE. HAD JOHN ONDER FOR A HELPER.

19 JUL 91 430 LEVEL

SET UP IN THE EAST VEIN NORTH OF THE SAFETY EXIT AND DRILLED TEN STRIP HOLES AND A 13' TEST HOLE IN THE FOOTWALL. MOVED TO THE NORTH END OF 935 STOPE AND DRILLED FIVE STRIP HOLES.

20 JUL 91 340-430-500-600

ON 430 - WASHED DRIFT WALLS IN 1000 X-CUT. FRED CAME IN AT 3:30 AND WE SHOT HOLES ON 340, 430, 500 AND 600.

21 JUL 91 340-430-500-600

SCALED LOOSE AND WASHED MUCKPILES. SAW NICE ORANGE WOLLASTONITE ON 340. GOT NICE ORE ON 430. HOLES ON 500 BROKE GOOD. HOLES ON 600 PRODUCED SOME DIOPSIDE, RHODONITE AND GOOD CROSS MEMBER ORE. WASHED DRIFT WALLS ON 430 LEVEL.

23 JUL 91

430 LEVEL

USED THE EIMCO TO PULL A SLUSHER  
AND SKIDS OUT OF 1060 PILLAR. BOB  
USED A BIG CHUNK TO PLUG THE RAISE.  
WASHED DRIFT WALLS IN VARIOUS PLACES,  
DRILLED FIVE MORE STRIP HOLES IN  
935 STOPE AREA. MOVED DRILL TO  
1000 X-CUT BUT RAN OUT OF DRILL WATER.

24 JUL 91

430 LEVEL

DRILLED FOUR STRIP HOLES IN 1000 X-CUT.  
THERE IS FLUORITE HERE. MOVED TO  
1060 PILLAR AND DRILLED FOUR STRIP  
HOLES. THERE IS MALACHITE HERE.  
WASHED DRIFT WALLS NEAR THE SHAFT.

25 JUL 91 180-340-500

CHECKED OUT SOME OLD HOLES ABOVE 800 STOPE ON 180. PREPARED TO FIRE A DRIFT ROUND IN THE NORTH END OF NEW 935 STOPE. REMOVED LADDERS FROM NORTH MANWAY AND HUNG THEM IN THE CHUTE RAISE. DUG THRU THE MUCK PILE IN THE WOLLASTONITE AREA AND DID SOME ROUGH SORTING. ON 500 - FINISHED HAND MUCKING IN 1020 RAISE.

26 JUL 91 430-500-600

ON 600 - REINSTALLED AIR PIPE IN E.B. F/W DRIFT. SET UP IN 1100 X-CUT AND DRILLED THREE STRIP HOLES. REMOVED AIR AND WATER PIPE IN 1220 X-CUT AT A FUTURE DRILL SITE. ~~ON~~ ON 430 - REMOVED AIR AND WATER PIPES BY 1060 PILLAR FOR BLASTING. ON 500 - DUG INTO THE MUD ZONE IN 1020 RAISE. HIT A ZONE OF FINE GRAIN HEMIMORPHITE.

27 JUL 91 340-430-500

CAME IN AT 12 NOON AND DUG INTO THE MUD ZONE ON 500 LEVEL. FRED CAME IN AT 3:30 AND WE SHOT HOLES ON 340 AND 430.

28 JUL 91 340-430

SCALED LOOSE AND WASHED MUCK ON 340 AND 430. THE HOLES FIRED IN THE DRIFT ROUND IN 935 (ABOVE 340) CAME OUT OK. GOT NICE WOLLASTONITE ON 340. NORTH OF THE SAFETY EXIT ON 430 BROKE GOOD. GOT COPPER ALTERATIONS FROM 1060 PILLAR AND FLUORITE FROM 1000 X-CUT. REINSTALLED AIR AND WATER PIPES PAST 1060 PILLAR.

29 JUL 91

HAUCK CALLED AND I WENT IN AT LUNCH TIME TO CHECK ON A BIG WATER SURGE. THE MINE WATER LEVEL CAME UP AT LEAST 30' TODAY. JOHN ONDER AND I WENT DOWN TO 500 FOR A SURVEY. WE SAW THAT THE FILL IN 980 STOPE (WEST VEIN) HAD SUBSIDED FROM 500 DOWN. THE FILL IN 560 STOPE (W.V.) ALSO RAN DOWN FROM 500. 1160 TRANSVERSE STOPE IS ALSO EMPTY. WALKED DOWN TO 600 AND FOUND 18" OF WATER ON THE STATION. DEBRIS IN THE SHAFT INDICATED THAT THE INITIAL SURGE HAD GONE 30' ABOVE 600. IN THE OLD SHAFT IT HAD GONE ABOVE 500, FLOWING OUT ON THE LEVEL AND MOVING BIG BOULDERS. THE WEST VEIN HANGING WALL IN THE 980 STOPE AREA HAS APPARENTLY FALLEN INTO THE STOPE BELOW 500 AND THE MUD ZONE IS