

23 MAY 84 1400 LEVEL

STARTED OUT TO SHOVEL MUD IN THE EAST VEIN DRIFT. THE ROCKER DUMP CAR DERAILED WHEN I TRIED TO PULL IT OUT OF A SIDING. DUTCH WULFFERS WAS INJURED WHILE HELPING ME RERAIL IT. I TOOK OVER HIS JOB - BABY SITTING A WELDER WHO WAS REPAIRING 1380 U.C.P. CRIB. HELPED STEVE YANECKO LOAD SOME MISFIRES IN 1540 U.C.P. GOT SOME SMALL BLUE SPINELS AND A PYROXENE XL SPECIMEN NEAR 1380 CHUTE,

24 MAY 84 DDH 473 1200 LEVEL

SET UP THE DRILL AND DRILLED 35'. ALL WHITE CUTTINGS. SET UP ROD PULLER. SLIKER TOLD ME THAT METSGER IS NOW ADVISING AGAINST MINING THE ORE I AM DRILLING FOR. TOO DANGEROUS, HE SAYS.

25 MAY 84 DDH 473 1060XCUT 1200 LEVEL
DRILLED FROM 35' TO 75'. 35 TO 39
WHITE ROCK; 39-75 GREEN ROCK. GOT
SOME MICROS FROM 1020 STOPE. WEST VEIN
F/W AT NORTH END OF STOPE. RUSSMAN
FIRED A DRIFT ROUND IN 1380 PILLAR ON
1200 LEVEL. THEY ARE STARTING TO MINE
IT FROM THE TOP DOWN. LOTS OF
HOLDENITE WAS ONCE FOUND AT THE SPOT
WHERE HE FIRED.

29 MAY 84 JURY DUTY

30 MAY 84 DDH 473
DRILLED 75' TO 100'. ALL GREEN ROCK. VERY
HARD. HAD ANOTHER HOUR OF ANNUAL
SAFETY TRAINING AT 7 AM. CHECKED OUT
1380 TSP 1200 LEVEL. GOT TWO MEDIOCRE
HOLDENITE SPECIMENS. GOT ANOTHER
HEULANDITE FROM 1060XCUT.

31 MAY 84 DDH 473 1060 X CUT 1200 LEVEL
DRILLED 100' TO 125. 100 TO 118 GREEN
ROCK; 118 - 120 FRANKLINITE ZONE;
120 - 125 ^{NO} ORE? (NEEDS LAMP TEST).

1 JUN 84 DDH 473
DRILLED 125' TO 152. 125 TO 145.5 WAS
FRANKLINITE ZONE; 145.5 TO 152 WHITE
ROCK (NOT H/W TYPE). GOT SOME BLUE FL.
MICRO CARBONATE XLS FROM A VEINLET IN
1060 X CUT NEAR THE E/V DRIFT.

4 JUN 84 DDH 473
DRILLED 152' TO 180. 152' TO 169 PYROXENE
ZONE; 169 TO 173 LOW ORE; 173 TO 179.5
ORE W/ZINCITE; 179.5 TO 180 WHITE ROCK.

5 JUN 84 DDH 473
DRILLED 10' OF WHITE ROCK. MANY BIT PLUGS.
HAD TO STOP AND TAKE OVER AS CAGEMAN.
GOT SOME ALLACTITES FROM 1380 TSP 1200 LEV.
BROUGHT HOME AN OLD STYLE 4 SIDED
DRILL STEEL. I FOUND IT IN 900 X CUT ON
1400 LEVEL.

6 JUN 84 DDH 473 1060 X CUT 1200 LEV.
DRILLED FROM 190 TO 203. ALL WHITE
ROCK. HIT WATER AT 202. IT STOPPED
ME FROM DRILLING ANY FARTHER. STARTED
MOVING TO NEXT SET UP. AT 1300
U.C.P. HANGING WALL RAISE.

7 JUN 84 DDH 474 1300 X CUT 1200 LEV.
MOVED DRILL TO NEW LOCATION AND
SET UP. DRILLED PILOT HOLE AND
REAMED TO 2". RE-INSTALLED FILL AND
WATER PIPES WHICH I HAD TO DISCONNECT
AT THE LAST DRILL SITE.

8 JUN 84 # 1 SOUTH 1850 LEVEL
WORKED ON FILL CREW. WE FINISHED FILL
JOB ON # 1 SOUTH. GOT SOME NICE QUARTZ
XLS FROM THE FOOTWALL. WENT TO 1020
SLOPE TO FILL THE EAST BRANCH. HAD TO
STOP TO FIX POOR BURLAP JOB ON A FILL
FENCE. STARTED AGAIN AFTER LUNCH AND
PLUGGED AFTER 15 MINUTES. SPENT THE
REST OF THE DAY CLEARING FILL PIPES.

11 JUN 84 DDH 474 1300 XCUT 1200 LEVEL
INSTALLED VALVE PIPE AND GROUTED. WENT
TO 1570 E. STOPE AFTER LUNCH AND
MOVED DRILL, HOSES, STEELS, AND WIRE
ROPE OFF THE MUCK PILE. GOT SOME
SMALL HOLDENITES FROM 1380 TSP.

12 JUN 84 935 STOPE 430 LEVEL
CHANGED OVER IN AM. SCALED LOOSE AND
BOLTED IN 935. 14 BOLTS. WENT TO THE
SURFACE AT NOON FOR FIRST AID TRAINING.

13 JUN 84 1540 U.C.P. 1400 LEVEL
FILL PREP. HUNG SLUSHER BUCKET ON
FOOTWALL. MOVED SLUSHER TO THE WEST
SIDE OF THE CRIB. PUT UP SIX RINGS OF
CRIB.

14 JUN 84 DDH 474
DRILLED FROM ZERO TO 40 FEET. ALL ROCK.
FOUND A BATCH OF APATITE XLS IN 1300 XCUT.
VERY POOR FLUORESCENCE. FOUND MOLYBDENITE
TOO, WITH POWELLITE. WILL HAVE TO GROUT
THE HOLE. HIT SOME CRACKS.

19 JUN 84 1020 STOPE 1200 LEVEL

LOADED A ROUND OF UP-HOLES IN THE WEST VEIN. 12 BAGS ANFO. FIRED AFTER EVERYONE ELSE WENT UP.

20 JUN 84 DDH 474 1326 N. SECT. 1200 LEV.

HELPED STOW A 300 BAG SHIPMENT OF ANFO IN THE POWDER MAGAZINE. DRILLED THE GROUT OUT OF THE HOLE. HAD TO REAM TO 38 FEET. DRILLED FROM 40' TO 50'. ALL WHITE CUTTINGS. THE CRACKS SEEM TO BE SEALED.

21 JUN 84 DDH 474

DRILLED FROM 50' TO 100. ALL WHITE ROCK. SET UP THE JACKLEG IN 1200 XCUT AND DRILLED SHORT HOLES NEAR XTAL POCKETS. WEDGED OFF A FEW PIECES. LOOKED AT 1020 STOPE. FOUND AN OPEN SLIP COVERED WITH CALCITE & QUARTZ XLS. DIP IS VERTICAL; STRIKE EAST-WEST.

22 JUN 84 DDH 474 1200 LEVEL

DRILLED FROM 100' TO 140. 100 TO 119.5
WHITE ROCK; 119.5 TO 133 GREEN ROCK;
133 TO 140 WHITE ROCK. GOT MORE XTALS
FROM THE GNEISS ZONE IN 1200 XCUT.
CHISELLED OFF SOME HOLDENITE FROM
1380 TSP.

25 JUN 84 DDH 474

CORED FROM 140 TO 166. LOOKS LIKE
ORE - NEEDS BLACK LIGHT TEST. ONLY
GOT TWO FEET OF CORE OUT OF THE
FIRST ~~TEN~~ TEN FEET. THE HOLE
WAS FOLLOWING THE STRIKE OF A
SLIP. GOT MORE HOLDENITE FROM
1380 TSP AND MORE XTALS FROM
1200 XCUT. USED HCL ON ONE PIECE
AND EXPOSED A BEAUTIFUL POCKET OF
ACTINOLITE.

26 JUN 84 JURY DUTY

27 JUN 84 1540 U.C.P. 1400 LEVEL

1540 WAS JUST FILLED. STARTED SETTING
UP TO MINE.

28 JUN 84 1560 U.C.P. 1600 LEVEL
WORKED WITH ROY RUSSMAN. BOLTED
IN A BAD GROUND AREA. IT WAS HIGH
BOLTING, ALSO COMPLICATED BY BEING
CLOSE TO 1600 LEVEL. HOLES HAVE TO
BE ANGLED TOWARDS THE RIBS TO
HAVE ENOUGH GROUND FOR A SIX
FOOT BOLT. GOT A WILLEMITE XTL
AND SOME ZINCITE MICROS.

29 JUN 84 DDH 474 1200 LEVEL
CORED FROM 166' TO 185'. ALL WHITE
ROCK. TERRIBLE GROUND FOR CORING.
FREQUENT BIT PLUGS. GOT AN
ACTINOLITE SPECIMEN FROM 1200 XCUT.

16 JUL 84 1020 ST. 1200 LEVEL
HELPED FRANCISCO. SCALED AND BOLTED.
10 BOLTS. DRILLED AND FIRED TWO STRIPS.
75 LBS. ANFO. THE AIR COMPRESSORS WERE
OFF FOR AN HOUR DUE TO LIGHTNING.

17 JUL 84 JURY DUTY

18 JUL 84 1020 STOPE 1200 LEVEL

SCALED AND BOLTED IN THE WEST VEIN.
BOLTED IN THE F/W DRIFT WHERE
A HUGE PIECE OF MARBLE HAD FALLEN
LAST NIGHT. FIRED A STRIP IN THE
STOPE AND BLOCKHOLES IN THE F/W
DRIFT.

19 JUL 84 F/W DRIFT 1200 LEVEL

SCALED AND BOLTED. 30 BOLTS.

20 JUL 84 F/W DRIFT 1200 LEVEL

SCALED AND BOLTED. 24 BOLTS.

TRAMMED 9 CARS FROM 1020 CHUTES ON
1300 LEVEL. GOT A 1380 U.C.P. WILLEMITE
RHODONITE FROM THE CACHE. GOT A
STENCH ALARM AT 2:30 PM. FIRE DRILL.

23 JUL 84 CAGE MAN

24 JUL 84 "

25 JUL 84 "

26 JUL 84 "

27 JUL 84 " CARRIED OUT A

LARGE CHUNK OF RED & GREEN FROM 1570 E.

30 JUL 84 1020 X-CUT 430 LEVEL

WORKED WITH J. MANCIK. WE SLUSHED OUT MUCK FROM THE LAST DRIFT ROUND. THE MUCK WENT DOWN THE RAISE TO A SCRAM DRIFT 40' ABOVE 600 LEV. WE REFIRED 3 BOOT HOLES. WE COVERED THE RAISE, SET UP THE DRILL AND I HELPED JOE GET STARTED. I WENT DOWN TO THE SCRAM TO SLUSH. THE TAIL ROPE WAS UNDER TEN FEET OF MUCK. CUT AND RETIED IT. HAD TO UNTANGLE A MESS IN THE TAIL DRUM.

31 JUL 84 JURY DUTY

1 AUG 84 DDH 474 1200 LEVEL

CORED FROM 185 TO 205. ALL WHITE ROCK. CHECKED OUT 1300 UCP. SAW SOME WILLEMITE XLS IN A SERPENTINE VEIN. XLS TO ONE INCH. NO LUCK IN GETTING ANY.

2 AUG 84 DDH 474 1200 LEVEL
CORED FROM 205 TO 219. ALL WHITE
ROCK. THE DRILL IS RUNNING VERY SLOW.
THE CORE IS BREAKING UP AND CAUSING
BIT PLUGS.

3 AUG 84 CAGEMAN

6 AUG 84 DDH 474 1200 LEVEL
CORED TO 230'. ALL WHITE ROCK. TURNED
MACHINE 20° NORTH. DRILLED PILOT HOLE
AND REAMED. (DDH 475)

7 AUG 84 DDH 475 1200 LEVEL
INSTALLED VALVE PIPE AND GROUTED.
WENT TO #1 SOUTH ON 1850 LEVEL
TO BRING FILL HOSES AND TELEPHONE OUT
TO THE STATION. TOOK THEM UP TO 1600LEV.

8 AUG 84 935 STOPE 430 LEVEL
SCALED AND BOLTED. 20 BOLTS. LOOKED AT A
PREVIOUS DIAMOND DRILL SITE. IT GOT BURIED
BY A FILL RUN FROM 1000 STOPE.

9 AUG 84 DDH 475 1200 LEVEL
CHANGED # 3 OVER IN AM. CLEANED GROUT
OUT OF AIR VALVE AND DRILLED 40'.
ZERO TO 10 WHITE. 10-18 GREEN.
18-40 WHITE. HIT SOME CRACKS WHICH
WILL HAVE TO BE GROUTED.

10 AUG 84 DDH 475 1200 LEVEL
DRILLED TEN FEET. WHITE ROCK.
GROUTED HOLE TO SEAL CRACKS. 1 BAG.
WORKED IN 1020 STOPE AFTER LUNCH.
SET UP A SLUSHER. IT WILL BE USED
TO KNOCK DOWN THE MUCK PILE IN THE
NORTH END OF THE WEST VEIN. GOT A
STRANGE VEIN SPECIMEN AND A PIECE OF
SPHALERITE.

13 AUG 84 1020 X CUT 430 LEVEL
WORKED WITH JIM BEDNAR, WE DRILLED
AND FIRED A 7' DRIFT ROUND. GOT SOME
PIECES OF A POSSIBLE ARSENATE,
PETE CALLED 16 SEP 84 TO SAY IT IS AN UNKNOWN
CLOSE TO WALL KILL DELLITE. CALLED AGAIN OCT 1ST
TO SAY IT IS ARSENIOSIDERITE, #503

14 AUG 84 JURY DUTY LAST WEEK

15 AUG 84 STRIKE

28 AUG 84 1020 STOPE 1200 LEVEL
TRANSFERRED POWDER SHIPMENT TO
MAGAZINE UNTIL 9:30 A.M. MOVED TOOLS
IN 1020 AND MUCKED OUT NORTH END.
SOUTH END TO BE FIRED SOON.

29 AUG 84 1540 U.C.P. 1400 LEVEL
SCALED AND BOLTED. JARREL AND I
BOTH RAN A DRILL, TOTAL OF 48 BOLTS.
GOT A RETZIAN THAT SOMEBODY HAD LEFT
IN THE LUNCH ROOM. SMOKING HAS BEEN
PROHIBITED DUE TO HIGH RADON.

30 AUG 84 1540 U.C.P. 1400 LEVEL
SCALED AND BOLTED. 44 TOTAL BOLTS.

31 AUG 84 1540 U.C.P. 1400 LEVEL
SCALED AND BOLTED. 35 TOTAL BOLTS.
HAD TO HELP VREELAND AND FARLEY TRY
TO OPEN THE BOTTOM OF THE OLD SAFETY

EXIT RAISE. DOING THIS WILL HOPEFULLY IMPROVE VENTILATION ON 1200 LEVEL.

VOTED ON THE NEW CONTRACT AGAIN.

4 SEP 84 MINE RESCUE TRAINING.

WENT DOWN THE OLD SHAFT FROM 340 LEVEL TO 1850 LEVEL. WE WERE LOOKING FOR OPEN HOLES WHICH MIGHT ALLOW AIR TO ESCAPE FROM THE SHAFT. DID MONTHLY CHECKS ON THE MCCAAS. THE CONTRACT WAS ACCEPTED THIS TIME. WE ALL WORE HOLES IN OUR BOOTS SLIDING DOWN THE RAILS AND GOT NEW ONES GRATIS.

5 SEP 84 DDH 475 1200 LEVEL

CLEANED CEMENT OUT OF TOOLS AND SET UP THE DRILL SITE. HAD TO REAM 45'. DRILLED FROM 50' TO 64'. WHITE ROCK.

6 SEP 84 DDH 475

DRILLED FROM 64' TO 120'. ALL WHITE ROCK, SCALED LOOSE IN 1300 SCRAM. GOT AN ERYTHRITE.

7 SEP 84 1300 U.C.P. BELOW 1200

SCALED AND BOLTED. 5 BOLTS. DRILLED AND FIRED STRIPS ON BOTH RIBS. SLUSHED. FOUND SOME UNIMPRESSIVE MICKOS.

10 SEP 84 1300 U.C.P.

MUCK BOUND. I TRAMMED ON 1300 LEVEL WHILE BOB SLUSHED. ^{15 CARS.} SCALED AND BOLTED. DRILLED AND FIRED A STRIP ON THE NORTH RIB. PICKED UP TWO 1380 U.C.P. KRAISSLITES FROM A STASH ON 1300. CHISELLED SOME PIECES OFF THE 1200 LEV. YEATMANNITE LOCATION.

11 SEP 84 1300 U.C.P.

SCALED AND BOLTED. TRAMMED ON 1300 LEVEL. 30 CARS.

12 SEP 84 1300 U.C.P.

TRAMMED ON 1300 LEVEL. 42 CARS. HAD TO SHARE THE MOTOR WITH THE TRAMMER FROM 1020 STOPS. SCALED LOOSE IN 1340 XCUT. SAW EPIDOTE VEINS. NO KEEPERS.

13 SEP 84 1300 U.C.P. 1300 LEVEL
TRAPPED ON 1300 LEVEL, 53 CARS. HAD TO
SHARE THE MOTOR WITH 1020 STOPE. GOT
SOME PIECES OF A LENS OF MIXED
SULFIDES OUT OF 1300 CHUTE.

14 SEP 84 DDH 475 1200 LEVEL
HELPED BOB W. SET UP TO DRILL A
STRIP IN 1300 U.C.P. STARTED ON
DDH 475 AFTER BREAK. DRILLED FROM
120' TO 150. GREEN ROCK 135 TO 138,
HELPED CLEAR A PLUGGED FILL LINE.

17 SEP 84 DDH 475
DRILLED FROM 150 TO 160. PYROXENE ZONE.
HAD TO HELP WILLIAMSON SPIEL FILL IN
THE SOUTH RIB OF 1300 U.C.P. GOT AN
ALLEGHANYITE SPECIMEN FROM 1020 STOPE.

18 SEP 84 DDH 475
DRILLED 160 - 171. 160 - 165 LEAN PYROXENE.
165 - 171 COARSE PYROXENE, HIT 1400 RAISE
AT 171. WORKED IN 1300 U.C.P. AFTER
LUNCH. GOT SOME AMPHIBOLE FROM 1400 RAISE.

19 SEP 84 1300 U.C.P. 1200 LEVEL
FINISHED SPIELING JOB ON SOUTH
RIB. SLUSHED OUT ALL MUCK THAT WAS
LEFT WEST OF THE CRIB. MOVED
SLUSHER TO THE WEST SIDE OF THE CRIB.
TRAMMED 8 CARS ON 1300 LEVEL.

20 SEP 84 1300 U.C.P.
SET UP SLUSHER, MOVED ALL TOOLS
BEHIND THE SLUSHER. SCRAPED MUCK
OFF THE TOP OF THE PILE TO EXPOSE
THE RIBS. BOLTED THE RIBS. 13 BOLTS.

21 SEP 84 DDH 475 1100 & 1200 LEV.
WORKED IN 1400 RAISE TRYING TO DEVISE
A WAY TO DRILL PAST THE RAISE.

2 OCT 84 1300 LEVEL
D. FRANCISCO JUST DROVE A SHORT DRIFT
FROM 1580 X CUT TO THE OLD 1540 SAFETY
EXIT. IT IS SUPPOSED TO IMPROVE VENTILA-
TION ON 1300 LEVEL. WE CLEANED UP TODAY
ON 1300 AND 1400. FOUND AN OLD DRILL
STEEL ON 1400.

3 OCT 84 DDH 475 1200 LEVEL

TRIED TO COLLAR THE HOLE IN THE HANGING WALL OF 1400 RAISE. HAD NO AIR OR WATER DUE TO 1020 STOPE COMING THRU THE LEVEL. HAD TO LAY OUT LONG AIR AND WATER HOSES. WOUND UP WITH INSUFFICIENT WATER PRESSURE.

4 OCT 84 DDH 475 1100 08 AM 81

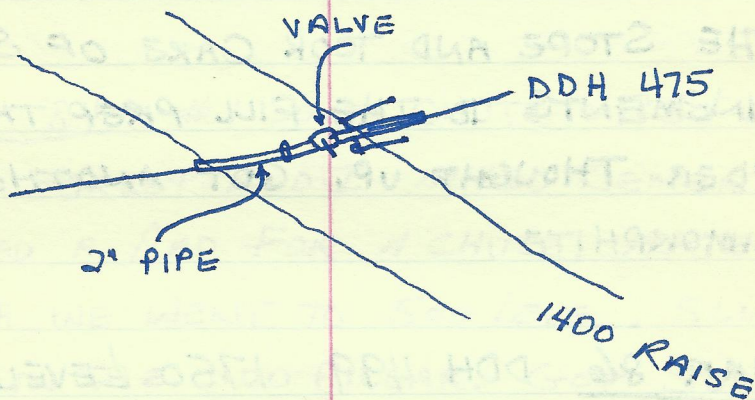
USED A STOPPER TO MAKE A DEPRESSION IN THE HANGING WALL OF THE RAISE SO THE DIAMOND BIT COULD BE COLLARED. HOOKED THE WATER PIPE ON 1200 UP TO DDH 471. NEEDED THE EXTRA PRESSURE. DRILLED 5' 177' TO 182' PYROXENE ZONE.

5 OCT 84 DDH 475, 181 08 AM 80

MOVED 100 BAGS OF ANFO OUT OF THE POWDER MAGAZINE. SUSPECTED AS DEFECTIVE. STOWED 229 ^{NEW} BAGS. PREPARED THE PILOT HOLE IN 1400 RAISE, INSTALLED VALVE PIPE AND GROUTED IT.

8 OCT 84 DDH 475 1200 LEVEL

CLEANED GROUT OUT OF VALVE PIPE IN 1400 RAISE. INSTALLED VALVE. REAMED THE HOLE IN THE F/W AND CUT A 2" PIPE TO GO FROM THE VALVE TO THE F/W. REPLACED A BROKEN AIR HOSE IN 1300 SCRAM DRIFT. DRILLED 3' OF GREEN ROCK.



9 OCT 84 CAGE MAN

10 OCT 84 DDH 475

DRILLED FROM 185' TO 211'. 185 TO 187 GREEN ROCK, 187-195 ORE, 195 TO 211 WHITE ROCK. DRILLED SOME HOLES IN 1200 X CUT AND WEDGED OUT SOME MICROS.

11 OCT 84 1570 E, STOPS 1200 LEVEL
WAS ASSIGNED TO WORK WITH NORM
FARLEY ON A CHUTE FOR #1 SOUTH ON
1850 LEVEL. WE CHANGED OVER AND THEN
MY ORDERS WERE CHANGED. JIM JARREL
STAYED HOME SO I HAD TO GO TO 1570 E.
DRILLED A STRIP IN THE NORTH END. 130'.
GOT MORE MICRO XLS FROM 1200 X-CUT.

12 OCT 84 #1 SOUTH CHUTE 1850 LEVEL
NORM FARLEY AND I MIXED CEMENT AND
POURED A PAD FOR A CHUTE. AFTER
LUNCH WE WENT TO 500 LEVEL. SLUSHED
FILL IN THE 1100 PILLAR. GOT SOME
BANDED SPHALERITE FROM #1 SOUTH.

15 OCT 84 DDH 476 1200 LEVEL
SAME AZIMUTH AS DDH 474. $\Delta + 10^\circ$.
RESET DRILL AND DRILLED PILOT HOLE.
REAMED TO 2 1/2". INSTALLED VALVE PIPE AND
GROUTED. RECOVERED 3" VALVE FROM
1400 RAISE. IT WAS SLIGHTLY DAMAGED SO
I SENT IT UP TO THE SHOP. GOT A CALCSILICATE
PIECE FROM 1400 RAISE.

16 OCT 84 1920 CRUSHER

RAN THE CRUSHER ON 1920 LEVEL. GOT A SPHALERITE FROM #1 SOUTH AND A WATER NEEDLE WRENCH (FOR A "53").

17 OCT 84 DDH 476 1200 LEVEL

CLEANED CEMENT OUT OF THE 1" VALVE AND VALVE PIPE. DRILLED TO 45'. 13' TO 16' GREEN ROCK, THE REST WAS WHITE. SET UP GROUTING GEAR FOR TOMORROW. GOT MORE ACTINOLITE FROM 1200 X CUT.

18 OCT 84 DDH 476

GROUTED HOLE TO SEAL CRACKS IN THE ROCK. GOT TOGETHER TOOLS AND TIES FOR A TRACK JOB THRU THE OLD 1520 STOPE ON 1200 LEVEL. THIS WILL MAKE THE EAST VEIN ACCESSIBLE SO I CAN GET A BIG GROUT PUMP TO THE HOLES I DRILLED IN 1060 X CUT.