

24 AUG 79

1020 STOPE 1300 LEVEL

NORTH END OF WEST VEIN FIRED LAST NIGHT. LEFT A THIN CROWN ALL THE WAY BACK. RALPH BROWN DRILLED AND FIRED STRIP. I BOLTED HANGING WALL IN S.E. CORNER AND DRILLED AND FIRED BLOCK HOLES. SOUTH END OF STOPE IS BROKEN THRU LEVEL AND MUCK PILE IS 20 FEET HIGH. SAW A LOT OF FRIEDELITE IN SOUTH END AND WILLEMITE - FRANKLINITE MICROS IN WEST VEIN.

27 AUG 79

1620 U.P. 1680 LEVEL

MOVED DIAMOND DRILL FROM 1220 N. SECTION 1000 LEVEL TO 1620 U.P. 1680 LEVEL TO EXPLORE UPWARD EXTENSION OF 1450 STOPE 1750 LEVEL. DDH #407

28 AUG 79

SET UP DRILL IN 1620 U.P. HAD TO STRIP NORTH RIB. DRILLED 9 FEET WITH BULLBIT. TWO FEET OF ORE AND SEVEN FEET OF GREEN ROCK. 1620 U.P. IS IN RED ORE ALL THE WAY TO THE HANGING WALL. NO BLACK ORE. SAW $3/8$ " VEINLETS OF PALE GREEN WILLEMITE IN SHEAR ZONE AT HANGING WALL.

29 AUG 79. - 1620 U.P. 1680 LEV.

DRILLED 36'. 34' OF IT WAS GREEN ROCK. NEW BIT ALREADY DULL. BOB SVECZ STOPPED BY AND HANDED ME AN ^{#278} AKROCHORDITE FROM 1220 U.P., 800 LEV. NICK KINNEY SHOWED ME MORE 1220 ARSENATES AT QUITTING TIME. CHECKED SOUTH END OF WEST VEIN AT LUNCHTIME. MANY SPHALERITE VEINLETS. NO SPECIMENS.

30 AUG 79 1620 U.P. 1680 L. DDH 407
DRILLED FROM 45' TO 65', THRU VERY
HARD GNEISS. BRAND NEW BULL BIT
WOULD NOT DRILL. HAD TO CORE TO
REDUCE AREA BEING CUT. CHECKED
WOLLASTONITE OCCURENCE ON LUNCH
TIME. SCALED MORE LOOSE THERE AND
SHOULD RECHECK AREA WITH BLACK LIGHT.
ED STOLL GAVE ME A NICE HETAEROLITE
SPECIMEN FROM 1700 PILLAR 1750 LEV.

31 AUG 79 1620 U.P. DDH 407
DRILLED FROM 65' TO 86'. HIT GOOD ORE
AT 77'6". BOB HAD SAID I SHOULD
HIT IT AT 120'. A ROCK WEDGE IN
1620 U.P. IS PRODUCING MIXED SULFIDE
SPECIMENS WHICH CONTAIN NATIVE GOLD.

4 SEP 79 1600 U.P. DDH 407 1680 LEV
DRILLED FROM 86' TO 116'. MASSIVE
ORE ALL THE WAY.

5 SEP 79 1600 U.P. DDH 407
DRILLED FROM 116' TO 138'. ORE
ENDED AT 126'. GREEN AND WHITE
ROCK TO 138'. EXPLORED NORTH END
OF EAST VEIN ON LUNCH TIME. EAST
VEIN DRIFT IS STILL PASSABLE TO THE
NORTH END OF 2600 STOPE. THERE IS
STILL ONE CUT TO THE LEVEL FOR
2600 STOPE. NO CRIB IS VISIBLE IN
THE STOPE AND IT WOULD SEEM TO BE
ABANDONED. THERE IS STILL A LARGE
AMOUNT OF ORE BENEATH THE LEVEL
A SHORT DISTANCE SOUTH OF 2600 ST.
TWO RAISES GO DOWN TO A SUB-LEVEL.
A ROPE WOULD BE NEEDED FOR EXPLOR-
ATION. 2600 STOPE IS BOLTED WITH LAG
BOLTS THAT HAVE THE SMALL HEAD.

6 SEP 79

1620 U.P.

1680 LEV.

DDH 407

DRILLED FROM 138' TO 151'. GREEN AND
WHITE ROCK ~~WITH~~ WITH A ONE FOOT BAND
OF REDDISH, HEMATITIC CALCITE AT
ABOUT 145'. THIS IS BIT PLUGGING
GROUND. LOST SOME CORE AND HAD A
PREMATURE PULL-OUT. SET UP WALL
TUGGER TO HANDLE STEELS. SCALED
LOOSE AT SOUTH END OF WEST VEIN AT
LUNCH TIME.

7 SEP 79

1620 U.P.

DDH 407

DRILLED FROM 151' TO 171'. ALL ROCK.
EXPLORED SUB-LEVEL MENTIONED ON
5 SEP 79. ORE THERE IS BRECCIATED
WITH SPHALERITE BETWEEN FRAGMENTS.
GROUND CONDITIONS ARE ATROCIOUS.
IN FACT, THE WHOLE DRIFT FROM
1660 U.P. TO 2600 STOPE IS A MESS.
LOOSE ROCK AND ROTTEN TIMBER
IN THE STALLS.

1680 LEV.
8 10 SEP 79 1620 U.P. DDH 407

DRILLED FROM 171' TO 178'. LO-ORE
171'-175', GREEN ROCK 175'-178'.

MOVED COLUMN TO BETTER POSITION
AND SET UP DRILL FOR DDH 408. THIS
HOLE WILL GO STRAIGHT EAST INTO
HANGING WALL. DRILLED 3'. ALL ORE.

BROKE LOOSE SLABS OF ORE AT
SOUTH- END OF WEST VEIN. LOOKING
FOR SPECIMENS IN SPHALERITE VEINS.

11 SEP 79 1620 U.P. DDH 408

DRILLED FROM 3' TO 45'. GREEN

ROCK 3' TO 31'. FRANKLIN MARBLE

31' TO 45'. NARROW BAND OF GREEN

ROCK 41.5' - 42.5'. BROKE MORE

SLABS AT SPHALERITE LOCATION.

12 SEP 79 1620 U.P. DDH 408
DRILLED FROM 45' TO 85'. WHITE
ROCK WITH SHEAR BOUNDED GREEN
ROCK FRAGMENTS TO 73'. 73' TO
85' SHEAR ZONE IN H.W. TYPE MARBLE.
SCALED LOOSE IN SOUTH END OF WEST
VEIN ON LUNCH HOUR.

13 SEP 79 1620 U.P. DDH 408
DRILLED FROM 85' TO 120'. ALL
FRANKLIN MARBLE, CHISELLED PIECES
FROM 1620 BORNITE LOCATION ON
LUNCH HOUR.

14 SEP 79 1620 U.P. DDH 408
DRILLED FROM 120' TO 150'. ALL WHITE
ROCK, SHEARED, WITH GRAPHITE.
LOOKED OVER 1360 STOPE AT LUNCH
TIME. SAW DIKE IN NORTH END?

17 SEP 79 1620 U.P. DDH 408

DRILLED FROM 150' TO 161'. ALL WHITE ROCK. TOOK MY HELPER TO SUSSEX HOSPITAL AFTER BREAK TIME FOR X-RAYS. HE HURT HIS ARM PUSHING STEELS INTO HOLE. TURNED OUT TO BE A PULLED TENDON.

18 SEP 79. 1620 U.P. DDH 408

DRILLED FROM 161' TO 180'. HOLE FINISHED. ALL WHITE ROCK. SCALED LOOSE IN ORE FRAGMENT AT SOUTH END. APPARENTLY PART OF FALSE KEEL.

19 SEP 79 1620 U.P. DDH 409

SET DRILL FOR NEW HOLE. DRILLED TO 26'. ALL ROCK. SCALED LOOSE.

20 SEP 79 1620 U.P. DDH 409

DRILLED FROM 26' TO 61'. HIT ORE AT 54'. SCALED LOOSE.

21 SEP 79 1620 U.P. DD409 R-14E

DRILLED FROM 61' TO 96'. ALL ORE.

BROKE ROCK AT WOLLASTONITE AREA.

24 SEP 79 1620 U.P. DDH 409 10-45V

DRILLED FROM 96' TO 126'. ORE 96-98.

FRANKLIN MARBLE 98'-126'. GOT TWO

LARGE GRAIN WOLLASTONITE SPECIMENS
#381

ON LUNCH HOUR. NEW CORE BARREL

BROKE.

25 SEP 79 1620 U.P. DDH 409

DRILLED FROM 126'-141'. ALL ROCK.

POOR GROUND FOR CORING. SCALED

LOOSE IN 1520 PILLAR (WEST VEIN).

26 SEP 79 1620 U.P. DDH 410 +20°

TURNED DRILL FOR NEW HOLE. DRILLED

FROM 0' TO 35'. GREEN ROCK. SCALED

LOOSE IN 1520 PILLAR ON LUNCH HOUR.

27 SEP 79 1620 U.P. DDH 410 +20°
DRILLED FROM 35' TO 69'. ALL ROCK.
EXPLORED 1620 CROSSCUT 1600 LEVEL.

28 SEP 79 1620 U.P. DDH 410 +20°
DRILLED FROM 69' TO 88.5'. ALL
GREEN ROCK. SCALED LOOSE IN 1620
CROSSCUT 1600 LEVEL. IN BLACK ORE
NEAR THE H.W. THERE IS A AREA
OF CALCITE PATCHES CONTAINING
LARGE GRAINS OF FRANKLINITE AND
ASILICATE. CUTTING ACROSS THIS IS
A SHEAR ZONE WITH MANY OPEN
POCKETS CONTAINING APPARENT
BRANDTITE CRYSTALS. GOT A BOX
FULL TODAY AND WILL GET MORE.

2 OCT

~~27~~ 79 1620 U.P. DDH 410 +20°

DRILLED FROM 88.5' TO 115'. GREEN
ROCK TO 108'. WHITE ROCK TO 125'. GOT
MORE BRANDTITE? FROM 1600 LEVEL.

3 OCT 79 DDH 410 1620 U.P.

DRILLED FROM 115' TO 140'. MIXED GREEN AND WHITE ROCK. SHEAR CONTAINING HEMATITIC CALCITE 123' TO 124'. GOT MORE BRANDTITE?

4 OCT 79 DDH 410 1620 U.P.

DRILLED FROM 140' TO 145'. WENT THRU SOFT GROUND THAT COLLAPSED AND BLOCKED HOLE. HAD TO ABANDON HOLE. LOWERED DRILL 10° AND STARTED DDH 411. GOT MORE BRANDTITE?

5 OCT 79 1620 U.P. DDH 411

DRILLED FROM 2.5' TO 45'. ALL GREEN ROCK AND VERY HARD. GOT MORE BRANDTITE? WILL GIVE PETE DUNN A SAMPLE AT FRANKLIN SHOW TOMORROW.

8 OCT 79 DDH 411 1620 U.P.

DRILLED FROM 45' TO 73.5'. GREEN
ROCK TO 58'. ORE TO 67'. SPHALERITE
TO 73.5'. GOT MORE BRANDTITE
FROM 1620 X-CUT.

9 OCT 79 DDH 411 1620 U.P. 1680L.

DRILLED FROM 73.5' TO 102'. ORE TO
82'. WHITE ROCK WITH SPARSE FRANK-
LINITE AND HEMATITE TO 95'. GREEN
ROCK TO 102'. PETE DUNN WAS ON
THE PHONE WHEN I GOT HOME. HE
CONFIRMED BRANDTITE FROM 1620 X-CUT,
1600 LEVEL. ALSO ~~AKROCHORDITE~~^{*48} AKROCHORDITE AND
SARKINITE FROM 1220 X-CUT, 800 LEVEL.

10 OCT 79 DDH 411 1620 U.P.

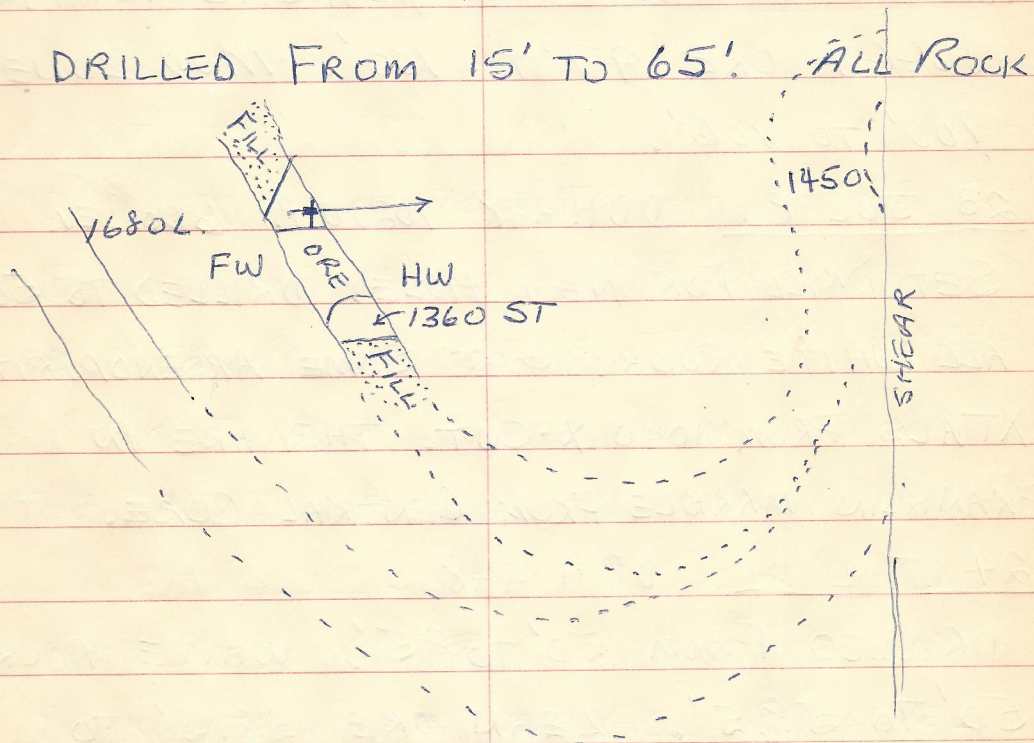
DRILLED FROM 102' TO 113'. ALL ROCK.
HOLE FINISHED. NOW MOVING TO DDH
412.

11 OCT 79 DDH 412 1360 ST. 1680L.

DRILLED FROM 0 TO 15' AFTER SET-UP.
ALL ROCK.

12 OCT 79 DDH 412 1360 ST. 1680 L.

DRILLED FROM 15' TO 65'. ALL ROCK.



15 OCT 79 DDH 412 1360 ST. 1680LEV.

HAD TO RESTART HOLE. DRILLED FROM
0' TO 27'. ALL ROCK. CHUCK BROKE AT
27'. WENT TO 1620 RAISE, 1600 LEVEL,
TO INSTALL FILL PIPE. GOT MORE
BRANDTITE FROM 1620 X-CUT.

16 OCT 79. DDH 412 1360 ST. 1680 L.

WAS REPAIRED CHUCK AT 12 O'CLOCK.

DRILLED FROM 27' TO 40'. ALL ROCK.

WORKED ON 1620 FILL PIPE IN A.M.

GOT SOME GRAPHITE ROSETTES FROM
THE BRANDITE LOCATION IN 1620 X-CUT.

17 OCT 79 DDH 412 1360 ST

DRILLED FROM 40' TO 68'. ALL ROCK.

HAD TROUBLE AT 62'. APPARENTLY HIT
THE FIRST HOLE DRILLED FROM THIS SET-UP.

EXPLORED 1660 X-CUT, 1600 LEVEL. NADA.

18 OCT 79 DDH 412 1360 ST.

DRILLED FROM 68' TO 110'. ALL ROCK.

CHECKED OUT 1360 STOPE. LARGE GRAIN

OF BLACK WILLEMITE SEEN IN NORTH

END.

19 OCT 79 DDH 412 1360 ST. 1680L.

DRILLED FROM 110' TO 135'. ALL ROCK.
HAD "GREASE SIEZE" AT 115'. TOOK 2
HOURS TO CLEAR. SCALED LOOSE IN
1520 PILLAR (W.V.) ON LUNCH HOUR.

22 OCT 79 DDH 412 1360 ST.

DRILLED FROM 135' TO 157'. ALL ROCK.

23 OCT 79 DDH 412 1360 ST.

DRILLED FROM 157' TO 180'. ORE

FROM 173' TO 176'. EXPLORED 1680

WOLLASTONITE AREA ON LUNCH HOUR.

GOT SOME ADDITIONAL VESUVIANITE

SPECIMENS. CAN'T DRILL UNTIL CORE

BARREL IS REPAIRED.

24 OCT 79 1660 U.P. 1750 LEVEL.

PULLED CHUTE. 34 CARS. HAD TO FIRE
FOUR TIMES. PUT UP DAMS FOR FILL. THIS
WAS CONTRACT PUT PILLAR PAID NO BONUS.

25 OCT 79. 1540 U.P. 1600 LEV.
STARTED TO REHABILITATE ACCESS
DRIFT FOR 1540 U.P. HAD TO TAKE
DOWN BACK WALL OF LUNCHROOM AND
HANDMUCK. PUT IN 8 ROCK BOLTS. A
DDH IS PLANNED FOR THIS PILLAR.
EXPLORED NORTHERN E.V. DRIFT. SAW
OCCURANCE OF MONOHYDROCALCITE*
AT @ 2500 NORTH. LOOKS LIKE
YELLOW SLIME TRICKLING OUT OF A
ROOT HOLE IN TOP RIGHT CORNER
OF THE DRIFT. *X-RAY BY PETE SAYS
ONLY CALCITE

26 OCT 79. 1540 U.P. 1600 LEV.
MADE 3 CONNECTIONS IN FILL PIPE
TO ROUTE FILL TO 1700 U.P. HAND
MUCKED IN 1540 ACCESS DRIFT AND
PUT IN 17 ROCK BOLTS. GROUND
VERY LOOSE, LARGE SLABS. SCALED
LOOSE IN 1020 AREA, SOUTH END OF
WEST VEIN. ZINCITE BAND AND
SAHALERITE VEINLETS.

29 OCT 79 1540 U.P. 1600 LEV.

PUT IN 10 BOLTS AND DISMANTLED LUNCH ROOM. SCALED IN KEEL.

30 OCT 79. 1540 U.P. 1600 LEV.

SLUSHER WAS ON STATION AT 7:00 AM. WAITED ALL DAY FOR SLUSHER BLOCKS AND TO GET HOLES BURNED IN SKIDS.

31 OCT 79 1540 U.P. 1600 LEV.

SET UP SLUSHER AND MUCKED. DRILLED BLOCK HOLES AND BROKE CHUNKS WITH WEDGE PIN. SCALED IN KEEL.

1 NOV 79. 1540 U.P. 1600 LEVEL

SLUSHED AND AIR SHOVELLED 7 CARS. DRILLED AND FIRED 5 BLOCK HOLES. SLUSHER AND AIR SHOVEL NOT SUITED TO THIS TYPE MUCK. ALL BIG CHUNKS.

2 NOV 79 1540 U.P. 1600 LEV.

SLUSHED AND INSTALLED 18 BOLTS.
MOST BOLTS PUT IN THRU LOOSE SLABS.
SCALED IN KEEL LUNCH TIME.

5 NOV 79 1540 U.P. 1600 LEV.

SLUSHED AND INSTALLED 8 BOLTS.
SLUSHING DIFFICULT DUE TO LIGHT
DUTY SLUSHER AND HEAVY DUTY
MUCK. SCALED IN 1620 X CUT AT LUNCH
TIME. GOT A GRAPHITE SPECIMEN.

6 NOV 79 1540 U.P. 1600 LEV.

SLUSHED AND AIR SHOVELLED. 9 CARS.
EXPLORED BROWN WILLEMITE ZONE AT
LUNCH TIME.

7 NOV 79 1540 U.P. 1600 LEV.

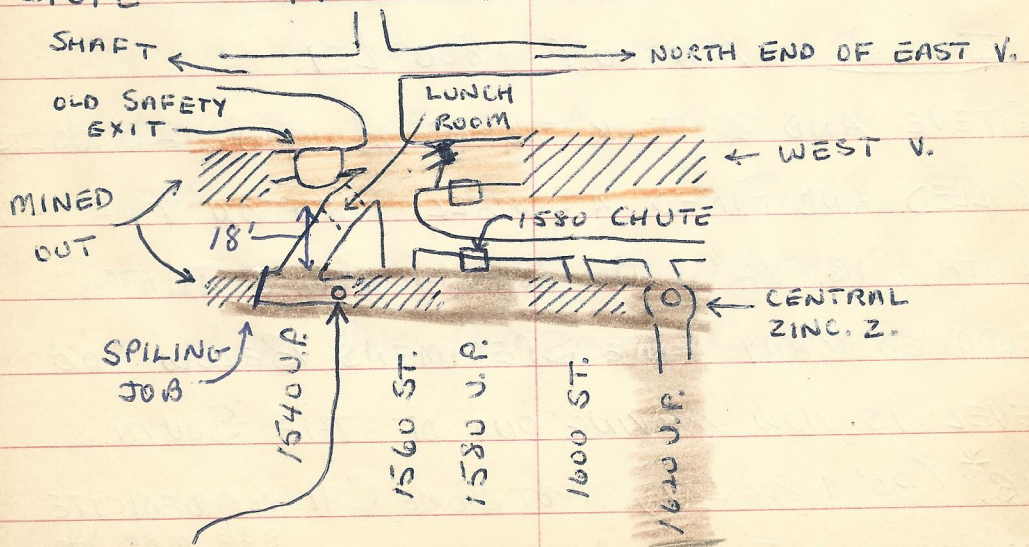
SLUSHED AND AIR SHOVELLED. 5 CARS.
USED SLUSHER TO PULL BIG CHUNKS OFF
MUCK PILE INTO POSITION AS A PLATFORM
FOR BOLTING. INSTALLED 3 BOLTS.

8 NOV 79 1540 U.P. 1600 LEVEL

INSTALLED 10 BOLTS IN SOUTH SIDE OF PILLAR. GROUND VERY BAD. STARTED TIMBERING AREA TOO BAD TO BOLT. SCALED IN KEEL AREA AND SCAVENGED STEEL PINS ON LUNCH TIME.

9 NOV 79 1540 U.P. 1600 LEV.

PROPPED LOOSE GROUND AND INSTALLED WHALER FOR SPIRING. HAD TO WAIT UNTIL 11:00 AM TO GET A 6" BY 6" TIMBER FOR WHALER. FALL OF GROUND HAS RESULTED IN ENLARGED DRIFT OPENING INTO STOPE SOUTH OF 1540 U.P.



RAISE BORE CAME OUT AWFUL CLOSE TO 1560 STOPE. SPILED OFF 1560 SAND MAR 31 - APR. 1980

12 NOV 79 1540 U.P. 1600 LEVEL

FINISHED SPILING AND BEGAN BACK SLUSHING.
SLUSHED & BOLTED ALL WEEK.

~~18~~¹⁹ NOV 79 1540 U.P. 1600 LEV.

SLUSHED AND AIR SHOVELLED
5 CARS.

20 NOV 79 1540 U.P. 1600 LEV.

NORM FARLEY CUT OUT STEEL
CABLES WITH TORCH. SLUSHED AND
AIR SHOVELLED 10 CARS. MUCKING
FINISHED. REMOVED BACKSTOP. WENT
TO 2500 N. IN E.V. DRIFT AND GOT
5 MONOHYDRO CALCITE* SPECIMENS.

* X-RAY BY PETE SAYS ONLY CALCITE.

21 NOV 79 1540 U.P. 1600 LEV.

INSTALLED 20 BOLTS IN RIBS. JOB
FINISHED AT LAST. REINSTALLED
FILL PIPE AND DID FINAL CLEANUP.

26 NOV 79 1600 LEVEL STATION
CONSTRUCTED FORM FOR CEMENT
PAD ON STATION FOR CHARGER.

Got more MONOHYDROCALCITE* FROM
2500 NORTH IN E.V. F.W. DRIFT. WENT
UP TO 1500 LEVEL IN THE AFTER-
NOON TO REPAIR A BRATTICE AND
A BULKHEAD IN THE OLD 1570 E.
CHUTE. * X-RAY BY PETE SAYS ONLY CALCITE

27 NOV 79 1600 LEVEL STATION
MIXED 3 BAGS OF CEMENT FOR
CHARGER PAD. HAND MUCKED IN
MOTOR SHANTY IN PREPARATION FOR
INSTALLING A CEMENT FLOOR. WHEN
CHARGER IS MOVED TO THE STATION
THE MOTOR SHANTY WILL BE MADE
INTO A LUNCH ROOM. HOOKED UP FILL
PIPE FOR 1620 U.P.

28 NOV 79 1600 LEVEL FILL RAISE.

CLEANED OUT MUD DITCH IN 1020 AREA (WEST VEIN). STARTED REPLACING ROTTEN PLANKS OVER FILL RAISE WITH NEW TREATED TIMBER. SCALED LOOSE IN GNEISS ZONE (1020 AREA) AT LUNCH TIME. SAW HEMATITE PLATES IN CALCITE & EPIDOTE.

29 NOV 79 1600 LEVEL FILL RAISE

FINISHED PLANKING OVER FILL RAISE WITH TREATED TIMBER.

REMOVED FORM WOOD FROM CHARGER PAD ON STATION.

30 NOV 79 1600 LEVEL STATION

CLEANED STATION. WENT TO 1680 LEVEL TO INSTALL ROD PULLER FOR DIAMOND DRILL. NO MOUNT WAS SENT WITH THE PULLER. CHECKED SUPPLY HOUSE, NO MOUNT. WENT TO 180 LEVEL TO LAY TRACKS TO 1015 SLOPE.

3 DEC 79 1600 LEVEL STATION

MOVED CHARGER TO STATION. CLEANED
OUT MOTOR SHANTY. HAND MUCKED
AND LEVELLED FLOOR TO PREPARE
FOR POURING CEMENT. SCALED AND
HAND MUCKED MAIN DRIFT.

4 DEC 79 1600 LEVEL NEW LUNCH ROOM

WENT TO 1680 LEV TO INSTALL SHOP-MADE
MOUNT FOR ROD PULLER. THEY MICKEY

MOUSED IT. STOOD UP AND PINNED

4'x6'S FOR LUNCH ROOM. GOT A CAR

OF SAND AND MIXED TWO BAGS OF

CEMENT. SCALED NEAR OLD SHAFT.

5 DEC 79 1600 LEV. NEW LUNCH ROOM

MIXED 7 BAGS OF CEMENT FOR

FLOOR. STARTED WALL.

6 DEC 79 DDH 413 1680 LEV.

RAISED MACHINE TO 30° ON
SAME LINE AS DDH 412. FIRING IN
1360 STOPE HAS LOOSENED THE GROUND
NEAR THE DRILL SET-UP. SCALED
LOOSE. ONE LARGE PIECE HIT THE
PLATFORM OVER THE 1360 SOUTH MAN-
WAY, PARTIALLY COLLAPSING IT. HAD
TO JACK UP PLATFORM AND PROP IT.
DRILLED 0' TO 5'. CALCSIZICATE ROCK.

7. DEC 79 DDH 413 1680 LEV.

DRILLED 5' TO 40'. 7' TO 13' WAS
GNEISS. REST WAS WHITE ROCK. GOT
SOME HETAEROLITE SPECIMENS FROM
1660 U.P. 1680 LEVEL.

10 DEC 79 DDH 413 1360 ST. 1680 LEV.

DRILLED FROM 40' TO 80'. ALL ROCK.
SCALED IN OLD SHAFT AREA.

11 DEC 79 DDH 413 1680 LEVEL.

DRILLED FROM 80' - 119'. ALL WHITE
ROCK. CHECKED 1520 CROWN PILLAR
AND 1660 U.P. AT LUNCH TIME.

12 DEC 79 DDH 414 1680 LEVEL

SET DRILL AT $+14^{\circ}$. STARTED NEW
HOLE ON SAME BEARING AS #412 & 413.
DRILLED FROM 0' TO 37'. ALL ROCK.

13 DEC 79 DDH 414 1680 LEV.

DRILLED FROM 37' TO 80'. ALL ROCK.
TRADED HELPERS WITH NED THE HEAD.

14 DEC 79 DDH 414 1680 LEV.

DRILLED FROM 80' TO 106'. ALL ROCK,
MOSTLY GREEN AND VERY HARD. SAW
ONE SQUARE YARD SLIP FACE COATED
WITH HETEAROLITE XTALS IN 1660 U.P.

17 DEC 79 DDH 414 1360 ST. 1680 LEV.

DRILLED FROM 106' TO 120'. ALL ROCK, MOSTLY GREEN AND VERY HARD. HAVE TO WAIT FOR A NEW CORE BARREL. BROUGHT 4X6S TO THE TOP OF 1360 SOUTH MAN WAY FOR FILL FENCE. PULLED 1" PLANKS UP INTO 1360 FROM 1750 LEVEL. CHECKED 1450 STOPE AT LUNCH TIME. GOT SOME SMALL BALLS OF YELLOWISH FIBERS. #375 STILPNOMELANE? X-RAY BY PETE = GOETHITE

18 DEC 79 1360 STOPE 1750 LEVEL

LOWERED 4X6S FROM 1680 LEVEL AND STARTED WORKING ON FILL FENCE. GOT A BORNITE SPECIMEN FROM 1620 U.P.

19 DEC 79 1360 STOPE 1750 LEVEL

PULLED MORE 1" PLANKS FROM 1750 LEV. FINISHED FILL FENCE. NEEDS BURLAP.

20 DEC 79 1360 STOPE 1680 LEV.

BURLAPPED FILL FENCE. HOOKED UP
FILL PIPE ON 1680 LEVEL.

21 DEC 79 1360 ST 1700 U.P. 1750 LEV.

HELPED FILL CREW CLEAR PLUGGED
FILL PIPE. DRILLED AND FIRED 4 BLOCK
HOLES IN 1700 U.P. WENT BACK TO
1680 LEV AFTER LUNCH TO CLEAR FILL
PIPE AGAIN.

26 DEC 79 1110 STOPE 900 LEV.

INSTALLED 17 ROCK BOLTS. DRILLED
AND FIRED 10 BLOCK HOLES AND TWO
HANGERS.

27 DEC 79 1060 U.P. 500 LEV.

DRILLED 210 FEET OF BLAST HOLES.

28 DEC 79 DDH 412 1680 LEV.

BROUGHT DOWN NEW 10' CORE BARREL
AND RESET DRILL AND ROD PULLER TO 0° →

HAD TO DRILL STEELS PAST TIGHT
SPOT AT 60 TO 70'. DRILLED FROM
180' TO 191'. ALL FRANKLIN MARBLE,
HEAVILY SHEARED. WAITED 90 MINUTES
FOR NEW CAP LAMP. SOME ONE TURNED
OFF DRILL WATER IN SHAFT AT 2 P.M.
SMELLED STENCH ALARM AT 2:30 P.M.
(FIRE DRILL). GOT 2 BORNITE SPECIMENS
FROM 1620 U.P. ONE HAD GOLD.

31 DEC 79 DDH 412 1680 LEVEL
DRILLED FROM 191-215'. ORE FROM
197-215'. HAD TO WAIT UNTIL 8:20
FOR DRILL WATER. CHECKED FILL JOB
IN 1360 STOPE. IT LOOKS GOOD FROM
THE FRONT BUT THEY DID NOT GET
ENOUGH FILL UNDER THE LOOSE. SVECC
GAVE ME A SAMPLE OF THE YELLOW
FIBERS FROM 1450 PILLAR. WILL SEND
IT TO P. DUNN. GOETHITE

2 JAN 80 DDH 412 + #413 1680 LEVEL
DRILLED FROM 215 TO 218' IN DDH 412,
ALL ORE. HAD BIT PLUG AT 218'. HOLE
FINISHED.

SET MACHINE TO $+30^\circ$ AND EXTENDED
DDH 413 FROM 119' TO 127.5'. HAD TO REAM
70 FEET OF THE HOLE TO GET NEW CORE
BARREL IN.

3 JAN 80 DDH 413 1680 LEV.

DRILLED FROM 127.5 TO 152'. ALL ROCK.
GOT A BORNITE SPECIMEN FROM 1620 U.P.,
A HETAEROLITE FROM 1660 U.P., AND
SVE CZ GAVE ME A BARITE* FROM 935 STOPE.

* # 305

4 JAN 80 DDH 413 1680 LEV.

DRILLED FROM 152' TO 180'. ALL ROCK.
GOT A BORNITE - GOLD SPECIMEN FROM
1620 U.P.

7 JAN 80 DDH 413 1680 LEV.

DRILLED FROM 180' TO 210'. ALL ROCK.

GOT A BORNITE SPECIMEN FROM
1620. U.P.

8 JAN 80 DDH 413 1680 LEV.

DRILLED FROM 210' TO 218'. ALL
WHITE ROCK; SHEARED.

SET DRILL AND PULLER TO $+14^{\circ}$ FOR
DDH 414. HAD TO REAM 30' OF THE
HOLE TO GET THE NEW BARREL IN.

DRILLED FROM 120' TO 130'. ALL
GREEN ROCK. GOT A NICE GOLD FROM 1620.

9 JAN 80 DDH 414 1680 LEV.

DRILLED FROM 130' TO 155'. ALL
GREEN ROCK AND BAD GROUND FOR CORING.

HAD 5 BIT PLUGS. STEVE NOVAK GAVE
ME SOME 1660 FRIEDELITE.

10 JAN 80 DDH 414 1680 LEV.

DRILLED FROM 155' TO 180'. ALL ORE AND POOR GROUND FOR CORING.

11 JAN 80 DDH 414 1680 LEV.

DRILLED FROM 180' TO 197'. ALL ORE AND POOR GROUND FOR CORING. HAD 5 BIT PLUGS. GOT SOME BORNITE FROM 1620 U.P.

14 JAN 80 DDH 414 1680 LEV.

DRILLED FROM 197' TO 205'. ORE TO 203'. GREEN ROCK LAST 2 FEET. BEARING FAILED IN NEW 10' CORE BARREL. MOVED DRILL AND TOOLS AWAY FROM MANWAY AS 1360 STAPE IS READY TO FIRE.

15 JAN 80 1700 U.P. 1750 LEVEL

SLUSHED AND USED WEDGE PINS TO BREAK CHUNKS. PULL & TAIL ROPES BROKE OFF BUCKET AND IT WENT DOWN THE CRIB TO 1850 LEVEL. BROKE IT DOWN AND BROUGHT IT BACK UP TO 1750 ON THE CAGE.

16 JAN 80 1700 U.P. 1750 LEV.

SLUSHED AND HAND MUCKED. SAW 1450 PILLAR AT LUNCH TIME.

17 JAN 80 1700 U.P. 1750 LEV.

INSTALLED TWO SQUARE SETS AND DRILLED & FIRED 2 BLOCK HOLES. GOT A SULPHIDE VEIN SPECIMEN FROM THE NORTH END OF THE EAST VEIN.

18 JAN 80 1360 STOPE 1680 LEV.

REPAIRED NORTH MANWAY COVER AND GOT TIMBER TO REPAIR SOUTH MANWAY COVER. DAMAGE DUE TO BLAST CONCUSSION.

21 JAN 80 DDH 415 +9° 1680LEV.

REBUILT SOUTH MANWAY COVER
FOR 1360 STOPE. SET UP DRILL, DRILLED
FROM 0' TO 20'. ALL ROCK. BROUGHT
HOME A BLEACHED BLACK WILLEMITE
SPECIMEN FROM 1580 U.P. 50' ↑ 1600 LEV.

22 JAN 80 DDH 415 1680 LEV.

DRILLED FROM 20' TO 80'. ALL ROCK.
GOT SOME BORNITE FROM 1620 U.P.

23 JAN 80 DDH 415 1680 LEV.

DRILLED FROM 80' - 114'. ALL GREEN
ROCK AND VERY HARD. GOT SOME BORNITE
FROM 1620 U.P.

24 JAN 80 DDH 415 1680 LEVEL

DRILLED FROM 114' TO 138.5'. ALL ROCK,
MOSTLY GREEN, AND VERY HARD. GOT SOME
BORNITE - GOLD FROM 1620 U.P.

25 JAN 80 DDH 415 1680 LEV.

DRILLED FROM 138.5' TO 165'. ALL
ROCK, MOSTLY GREEN, AND HARD. CORE
LIFTER BROKE AT 165'. GOT SOME MORE
BORNITE FROM 1620 U.P.

28 JAN 80 DDH 415 1680 LEV.

DRILLED FROM 165'-190'. ALL ROCK.
165'-177' CALCITE & HEMATITE.
177'-190' PYROXENE? IN CALCITE.
GOT MORE 1620 BORNITE.

29 JAN 80 DDH 415 1680 LEV.

DRILLED FROM 190' TO 215'. HOLE DONE.
ALL ROCK. WATER PISTOL BROKE.

30 JAN 80 DDH 416 1680 LEV.

MADE TEMPORARY REPAIR OF WATER
PISTOL. DRILLED FROM 0' TO 30'. ALL ROCK.

31 JAN 80 DDH 416 1680 LEV.

DRILLED FROM 35' TO 75'. ALL ROCK.
GOT MORE BORNITE FROM 1620.

1 FEB 80 DDH 416 1680 LEV.

DRILLED FROM 75' TO 110'. ALL
ROCK. SECURED DRILL SITE FOR TWO
WEEK SHUT-DOWN (VACATION). GOT AN
ALACTITE SPECIMEN FROM 1660 U.P.
THIS IS THE FIRST ARSENATE I'VE SEEN
IN 1660. #491

18 FEB 80 DDH 416 1680 LEV.

DRILLED FROM 110' TO 140'. ALL
GREEN ROCK.

19 FEB 80 DDH 416 1680 LEV.

DRILLED FROM 140' TO 153'. ALL ROCK.
RILL BROKE AT 153'. SENT IT TO SHOP.
WENT TO 1450 PILLAR ON 1750 LEV. TO
MUCK WITH CAARO.