21 FEB 85  935 STOPE  430 LEVEL
TRAMMED ON 500 LEVEL. 24 CARS. HAD TO
RUN THE ORE ON 600 LEVEL. DRILLED AND
FIRED A STRIP ON THE FOOTWALL AND 30
BLOCKHOLES.

22 FEB 85  935 STOPE
SCALED AND BOLTED WHERE WE STRIPPED
THE FOOTWALL. 17 BOLTS. TRAMMED ON
500 LEVEL. 18 CARS. HAD TO FIRE A
BIG CHUNK THAT WOULD NOT GO PAST
THE HEADER. GOT A RICH PIECE OF ORE
THAT SHOWS PYROCHROMITE REPLACING
ZINCITE.

25 FEB 85  1020 STOPE  1200 LEVEL
TRAMMED ON 1300 LEVEL. 65 CARS. WAS
DELA YED TWO HOURS BY TWO CHUNGS WHICH
WEDGED TOGETHER UNDER THE HEADER. I
W AS AFRAID TO FIRE BECAUSE THE HEADER IS
ALREADY BROKEN. HAD TO REPLACE A BROKEN
AIR CYLINDER (IT OPENS AND CLOS ES THE
CHUTE GATE). SAW A LOT OF RUBY ZINCITE
VEINS. NO KEEPERS.
26 FEB 85 1020  STOPE 1200 LEV.
TRAMMED ON 1300 LEVEL. 90 CARS.
GOT 2 SMALL RED WILLEMITE XLS, OUT
OF MATRIX.

27 FEB 85  1450  STOPE 1600 LEVEL
SCALED AND BOLTED. 25 BOLTS,
MOSTLY EIGHT FOOTERS.
PICKED IT UP WITH A COMB-ALONG AND

28 FEB 85  DDH 485  1750 LEVEL
DRILLED FROM 80 TO 110. 80-102
GREEN, 102-105.5 GOOD ORE, 105.5-
110 WHITE ROCK SHEARED w/HMATITE.
1540 U/C/P. ON 1400 LEVEL IS BEING
FILLED. THE WATER IS DRAINING DOWN
THRU 1600 STOPE AND MAKING A MESS
NEXT TO THE DRILL SITE.

TIMBER SHED 12 FEB 85

18 DEC 84 100-130. 100-180 WHITE
138-139 QUARTZ. WIRE FURNACE
YOU MIGHT SOME MINERALS - FURRITES
SPECIMENS FROM 250 INSIDE DR.

1300 N. 9-2-5 7 1/2 TONS
1 MAR 85  1450 STOPE 1600 LEVEL
TRAMMED ON 1750 LEVEL. 56 CARS.
HAD TO REPLACE A BROKEN AIR CYLINDER
ON THE CHUTE. HAD TO FIRE THE CHUTE
TWICE. GOT TWO CARS OFF THE TRACK
AT THE ORE PASS. A CHUNK CAME OUT OF
THE CHUTE AND LANDED ATOP A FULL CAR.
IT WAS TOO BIG TO GO THRU THE DRIFT.
PICKED IT UP WITH A COME-ALONG AND
DROPPED IT IN THE NEXT CAR.

4 MAR 85  1380 T.S.P. 1200 LEVEL
PILLAR IS BEING PREPARED FOR FIRST
SLICE BENEATH 1200 LEVEL. USED A BLOW-
PIPE TO CLEAN OUT "DROP-DOWN". THE
RAISE IS IN ROCK. I TRAMMED ON 1400 LEVEL
AND DUMPED THE ROCK DOWN THE OLD
TIMBER SLIDE. 21 CARS.

5 MAR 85  CAOEGMAN
6 MAR 85  MUD DITCH 430 LEVEL
CLEANED UP FILL UNDER THE OVER-
SIZE RAISE. STARTED BAILING SOUPY
MUD OUT OF THE BULKHEAD DOOR. THE
FILL PIPE PLUGGED, SENDING ANOTHER
CAR OF FILL DOWN THE OVERSIZE
RAISE. SPENT THE REST OF THE SHIFT
HELPING THE FILL CREW CLEAR THE
LINES. CHANGED THREE PIPES.

7 MAR 85  430 LEVEL
MADE A CONCRETE BASE FOR A BATTERY
CHARGER ON THE STATION. 1½ BAGS OF
CEMENT. REPAIRED A LEAK IN THE
DRINKING WATER PIPE LINE BELOW
1920 LEVEL. GOT A PIECE OF ORE FROM
1010 TOP SLICE STOPE, 430 LEVEL. IT IS
COATED WITH MICRO HEMIMORPHITE XLS.

FROM THE CRUSHER UP TO 1750 LEVEL.
8 MAR 85  1450 ST.  1600 LEVEL  91 SOUTH  1850 LEVEL
Trammed with Steve Novak on 1750 Level until 11 AM.  54 cars.  Helped D. Lorenzo drill test holes in #1 South after 11 AM.  The ore in the east end of the stope apparently looks like this.

Un original thru the pit mine.

First Movement on This Fault (#1)

Second Movement on This Fault (#2)

Pocket of calcite xls

View of ore in #1 South, looking west.

11 MAR 85  1450 STOPE  1600 LEVEL
Trammed on 1750 Level.  81 cars, fired the chute once.

12 MAR 85  1450 STOPE  1600 LEVEL
Trammed on 1750 Level.  58 cars, the ore pass is now filled with high grade ore from the crusher up to 1750 Level.
8 MAR 85  1450 ST. 1600 LEV. #1 SOUTH 1850 LEV.
Trammed with Steve Novak on 1750 Level until
11 AM. 54 cars. Helped D. Lorenzo drill
test holes in #1 South after 11 AM. The
ore in the east end of the stope apparently
looks like this.

Second Movement on this Fault (#2)
First Movement on this Fault (#1)
Pocket of Calcite XDS

View of ore in #1 South, looking west.

11 MAR 85  1450 STOPE 1600 LEVEL
Trammed on 1750 Level. 81 cars. Fired
the chute once.

12 MAR 85  1450 STOPE 1600 LEVEL
Trammed on 1750 Level. 58 cars. The ore
pass is now filled with high grade ore
from the crusher up to 1750 Level.
13 Mar 85  DDH 485  1750 Level
Had to hand-muck the tracks from 1450 chute to the ore pass. 2 tons of ore. Drilled from 110-120. 110-117 White Rock - Sheared; 117-120 White Rock - Hanging wall type.

14 Mar 85  1020 Stope  1100 Level
Worked on an old raise in the north end of 1020 stope (West vein). Built a fence in a sub-drift just below 1100 level. Scaled loose in the raise and bolted. 4 bolts.

15 Mar 85  1020 Stope  1100 Level
Scaled and bolted in the raise. 13 bolts. Opened up a similar old raise in the north end of the East Branch. Went to 1750 level after lunch and trammed out of 1450 chute. 27 cars.
18 Mar 85  1380 TSP  1200 Level

Used a shovel and blow pipe to clean out the "drop-down". Got a come-along and lowered the slusher and bucket into the "drop-down". Got some kraitsite in ore from 1380.

19 Mar 85  1660 U.C.P.  1600 Level

Worked with Roy Russman. We hand mucked a drift round in a sub-drift above the pillar. Helped Roy get started drilling the next round and then I slushed in the pillar.

20 Mar 85  1660 U.C.P.  1600 Level

Slushed the muck from 4 drift rounds into the crib. Trammed on 1750. 21 cars. Replaced a broken air hose for the chute cylinder. Went up to 1500 level to guard when Roy fired a drift round. Got some sillimanite in garnet from 1500 X-cut, 1500 level.
21 MAR 85  1660 U.C.P.  1600 LEVEL
THE DRIFT ROUND THAT WE FIRED YESTERDAY
DID NOT BREAK PROPERLY. THE FACE AND
THE END BROKE BUT ABOUT ONE FOOT WAS
LEFT IN THE MIDDLE. FIVE HOLES GOT CUT
OFF BECAUSE THE BURN WAS TOO CLOSE TO
A RAISE. REFIRED CUT-OFF HOLES TWICE
AND DID A LOT OF SCALING AND PRYING TO
OPEN IT UP. DRAGGED A NEW SLUSHER
INTO THE PILLAR AND RAISED IT UP TO
THE SUB-DRIFT WITH A "COME-ALONG". GOT
A SPECIMEN OF MICA XLS IN UNUSUAL
CALC SILICATE BLOBBS IN BLACK ORE.

22 MAR 85  1660 U.C.P.  1600 LEVEL
DRAGGED THE SLUSHER SKIDS INTO THE
PILLAR AND RAISED THEM INTO THE SUB-DRIFT
WITH A "COME-ALONG". MOUNTED THE
SLUSHER ON THE SKIDS. DRILLED PIN HOLES
IN THE ACCESS DRIFT ON 1500 LEVEL AND HUNG
THE PANEL BOX FOR THE SLUSHER. RAN POWER
AND PUSH-BUTTON CABLES DOWN THE RAISE.
NEED 50' EXTENSIONS. DRAGGED THE SLUSHER
BUCKET INTO THE PILLAR, CUT 4X6'S AND
PROPPED THE SLUSHER.
25 MAR 85  1600 U.C.P.  1600 LEVEL
I came in on 1500 Level and added the extensions to the power & push button cables. Roy came in on 1600 and put the wire ropes on the slusher. Carl coy repaired the power box on the slusher motor. We tried to pull the slusher bucket up into the subdrift. Had to dismantle it to get it up.

Assembled it in the subdrift and tried to slush. The drift was too narrow. Roy drilled a strip, I slushed in the scram drift. Fired at 3 PM.

26 MAR 85  1600 U.C.P.
Roy slushed out the strip muck in the subdrift. I helped him get started on a drift round and then slushed out the scram drift. Fired the drift round at 3 PM.
27 MAR 85  1660 U.C.P.  1600 Level
Slushed and Hand Mucked the Drift
Round in the Subdrift. Drilled a
Test Hole and Found That We Are at
The H/W Contact. Drilled and Fired
Strips to Start Widening The
Subdrift to Pillar Width.

28 MAR 85  1660 U.C.P.
Slushed and Hand Shoveled the Strip
Muck. Built a Platform over The
H/W Raise. Drilled and Fired Three
More Strips. Slushed Out the Scram
Drift.

29 MAR 85  Mine Rescue Training

1 APR 85  1660 U.C.P.  28 T30 81
Slushed Out the Muck from The Strips
We Fired on Thursday. Drilled and Fired
2 More Strips. Slushed in the Scram
Drift.

3 Posts Drilled and Fired. A Fire is
Ready for the Footing. Used a Fire
Fence of Alternating Wire and Wood. The
2 APR 85  1660 V.C.P.  1600 LEVEL
Slushed out the muck from the strips we fired yesterday. Drilled and fired 3 more strips. Slushed in the Scram drift. The Scram is almost full but we can't tram until 1450 Stope is finished.

3 APR 85  1660 V.C.P.
Slushed Yesterdays strip muck down the H/W Raise. Filling it. Scaled and bolted. 5 bolts. Drilled and fired a strip off the back. Everything east of the center raise is now up to drilling height. Slushed in the Scram drift.

4 APR 85  1660 V.C.P.
Roy slushed muck from the Scram drift into the crib while I trammed on 1750 level. 75 cars. Roy came down and ran the motor on the last 3 trips, managing to get it off the track on the last trip. Brought home a piece of altered ore w/graphite in it.
9 APR 85 1660 U.C.P. 1660 LEVEL
Rerailed the ore car that Roy derailed on Thursday. Slushed out the strip muck in the pillar. Scaled and bolted 8 bolts. Hung a ladder in the H/w raise. Roy slushed in the Scram drift. Got some pickopharmacolite from 1500 lev.

10 APR 85 1660 U.C.P.
Added 1 1/2 ladders to the H/w raise and built a platform over it. Scaled and bolted 16 bolts. Moved the slusher to the H/w side of the ore pass raise with a "come-along".

11 APR 85 1660 U.C.P.
Went to 1920 Level at 7:00 AM to set up the hoist. Propped the slusher in 1660 and slushed out the drift west of the ore pass raise. Roy started on a drift round. I brought another drill into the pillar and started setting up to drill a strip. Got a quartz specimen from the 1020 store area in the West vein.
12 APR 85 1660 U.C.P. 1600 LEVEL
Added a "tee" to the water pipe manifold to allow two drills to be used. Roy finished his drift round. I set up another drill and drilled strips on both ribs and the back. These are in the center raise area. Fired at 3 AM.

15 APR 85 1250 Store 800 Level
Rilled down the muck pile to expose unbolted hanging wall. Scaled and bolted 22 bolts. The ore in the north end of the store is very good. Lots of zincite. There are several lenses of calcite with franklinite xls (up to 3") and zincite masses. Got no keepers.

16 APR 85 1660 U.C.P. 1600 Level
I slushed out the strip and drift muck while Roy slushed in the scream. Roy started what should be the last drift round while I scaled loose and bolted 4 bolts.
17 APR 85  1660 U.C.P  1600 LEVEL
Roy finished his drift round. I bolted and drilled strips on the North and South ribs. Pulled all hoses and electric cables up into the raise. Pulled up the bottom ladder and fired at 3 P.M. checked out the result. All A-OK.

18 APR 85  1660 U.C.P  1600 LEVEL
Got a powder order out of the magazine on 1000 lev. at 7 A.M. Mucked out the drift and strip muck while Roy mucked in the scamm. Drilled test holes to find the foot wall raise. Found that we had gone 2’ over the top of it. I drilled a strip on the South rib. Roy drilled a strip to break into the F/W raise.
19 APR 85  1660 U.C.P.  1600 LEVEL

Slushed muck from the Scram into the crib while Roy trammed on 1750.
92 cars. Mucked out the strip that Roy fired yesterday. It did not break into the F/W raise.
The slusher bucket knocked a hole in the drift floor about a foot square. Got a graphite rosette in pink calcite.

22 APR 85  1660 U.C.P.

Roy is on vacation. Jamakron worked with me today. Drilled strips on north and south ribs. Scaled and bolted. 4 bolts.
Drilled three rows of up-holes east of the center raise. 135'. Fired strips.

23 APR 85  1660 U.C.P.

Slushed out the strip muck. Bill slushed in the Scram drift. Drilled and fired strips on both ribs. A hole we made to fill on the north rib shows good cement. Got a willemitite vein.
24 APR 85  1660 U.C.P.  1600 LEVEL
SLUSHED OUT STRIP MUCK. SCALED
AND BOLTED. 10 BOLTS. DRILLED AND
FIRED THE LAST STRIPS TO OPEN UP THE
FOOT WALL RAISE.

25 APR 85  1660 U.C.P.
SLUSHED OUT STRIP MUCK. SCALED AND
BOLTED. 7 BOLTS. DRILLED SOME UP-HOLES.
DRILLED SOME HOLES AROUND THE FOOT
WALL RAISE TO OPEN IT UP BETTER.

26 APR 85  1660 U.C.P.
SLUSHED THE MUCK IN THE SCRAM INTO
THE CRIB. WAYNE HARDICK TRAMMED ON
1750. 75 CARS. WE HAD TO GO TO 1950 LEVEL
TO CHANGE OVER AT 7 AM.

29 APR 85  1660 U.C.P.  HOG  25 453
SLUSHED OUT THURSDAYS STRIP MUCK. GOT
SOME PLANKS AND COVERED THE F/W RAISE.
SET UP BOTH DRILLS AND STARTED DRILLING
UP-HOLES.
30 Apr 85 DDH 486 1750 Level
Dropped 4 to +15° and collared new hole on same azimuth as DDH 485.
Drilled 32', 0-18.5 green; 18.5-22 white; 22-29 green; 29-32 white.
Drilled thru loose ground at 7' and rock fragments fell into the hole
when I pulled out the steels.

1 May 85 1380 T.S.P. 1200 Level
Slushed and handmucked broken cement.
The concrete cap on the ore had failed. We cleared it out of the way
to get at the ore. Put up props to support the remaining cap.
Slushed out ore from the last round.
Got some ZINCITE-KRAISSLITE.

2 May 85 DDH 486 1750 Level
Drilled from 32' to 75'. All green rock. Went to 2700 N, to look for
PYRITE xls. Exposed an open pocket with CALCITE xls.
3 MAY 85  DDH 486  1750 LEVEL

Had to tram from 1450 chute before I could start drilling. 36 cars. Drilled from 75 to 95. All green rock. Worked on the new calcite pocket at 2700 n. Not much luck.

6 MAY 85  DDH 486  1750 LEVEL

Drilled from 95 to 103. All green rock. Core barrel broke at 103 and is stuck in the hole. Turned drill to same azimuth as DDH 484 and started new hole at X +15°. Drilled 5', all green rock.

7 MAY 85  1450 STORIE  1600 LEVEL

Finished drilling a bench that Bob Williamson started yesterday, 653'. Slushed some muck out of the raise. Loaded and fired, 110 pounds Atlas 140. This is development work in the ore fragment south of 1450 St. There is a lot of hematitic calcite at the ore/rock contacts.
8 MAY 85  DDH 486 & 487  1750 LEVEL

USED AN OLD CORE BARREL END PIECE AS AN EXTRACTOR TO RECOVER THE CORE BARREL STUCK IN DDH 486. DRILLED FROM 5' TO 40' IN DDH 487. 5-10 GREEN; 10-14 WHITE; 14-29 GREEN; 29-31 WHITE; 31-40 GREEN.

GOT A PIECE OF CALCITE FROM 1450 SOUTH STONE SHOWING AN INTERESTING PATTERN OF HEMATITE & SERPENTINE.

9 MAY 85  DDH 487 & 488


10 MAY 85  DDH 488

DRILLED 45'. ALL GREEN EXCEPT 9'-13' WHITE.
13 MAY 85  935  STOPE  430 LEVEL
CLEANED UP 2 CARS OF MUD UNDER
THE FIRST 935 CHUTE ON 500 LEVEL.
TOOK NEW DRILLS AND HOSES INTO THE
STOPE AND SET UP THE JUMBO DRILL.

14 MAY 85  935  STOPE
FINISHED SETTING UP JUMBO DRILL. CHRIS
AUXER DRILLED UPPERS IN SOUTH END. I
DRILLED TEST HOLES IN NORTH END. 935
IS SHRINKING BECAUSE OF THE NAISON
FAULT. GOT SOME WOLASTONITE FROM
340 LEVEL.

15 MAY 85  935  STOPE
FINISHED TEST HOLES. PUT UP A STEEL
RACK. DRILLED 8 HOLES OF A 9 HOLE
STRIP. 10X'. GOT MORE "340" WOLASTONITE.

16 MAY 85  935  STOPE
FINISHED DRILLING THE STRIP. MOVED TOOLS
OFF THE CRIB BOX. CARRIED 12 4X6'S BACK
TO THE NEW CHUTE RAISE AND HAULED THEM UP
INTO THE STOPE. GOT MORE WOLASTONITE AND
SOME STRANGE STUFF FROM 1020 X-CUT.
17 May 85  935 Stope  430 Level
Drilled 7 more holes in the strip. Avev was planning to drill it with the jumbo but the boss changed the plan. 91'. Brought 30 bundles of rock bolts to the stope and began hauling them up to the stope. Also 24 bundles of plates.

11 Aug 85

20 May 85  935 Stope
Gott all the bolts and plates up to the stope. Helped Chris load his raise round. In a few days he will have enough drilling done to fire the South end. Normally he would be doing the jumbo drilling alone, but the rule about not working alone is being strictly enforced again. I try to keep busy doing odd jobs while he drills. 
21 May 85  935 Stope  430 Level
Chris used the Jumbo to finish the strip under the raise to 340 Lev.
We loaded and fired 250 pounds of Nilite. Had to wait until everyone else went up before we could fire.
Got some Hemimorphite from 1020 X-cut that someone left on the station.

22 May 85  935 Stope
Scaled and bolted where we fired 10 bolts. Sliker decided that we should take another 13' strip on the footwall. Drilled and fired a 13' hole to trim the footwall contact. Got a piece of "red & green".

23 May 85  935 Chute  500 Level
Shovelled mud in the 935 F/W drift. 4 cars. The backstop across from the South Chute was in bad shape so we took it down and ordered material to replace it. Got another Hemimorphite off 430 Level Station. It is a good one.
24 May 85  935  Store 430 level

Scaled and bolted where I fixed on Wednesday. 21 bolts. Used the LHD to pull 6x6 timbers into the store and built a cover for the new crib box. Chris went home at noon so I spent the afternoon hand mucking mud near the oversize raise.

28 May 85  935  Store 28-July 21

Put the last 3 planks on the crib box cover. Mucked out enough of the strip muck to drill another strip. Drilled 110'. Got some pieces of a brown humite group mineral may disseminated in calcite with zincite. It was in a lean ore zone between the two main veins.
29 May 85  935 stope  430 level

Finished the bottom rows of the next strip, 35'. Went to 500 level and rebuilt the backstop for the South chute. Trammed 15 cars. Chris drilled the rest of the strip with the Jumbo. He got done too late to fire. We fired 12 more holes around the breaking raise.

30 May 85  935 stope

waited for powder and cap orders. Carried 5 bags up to the stope. Added 2 4x6 props inside the crib box. Set up to load the next strip. Loaded after lunch. 5 1/2 bags of ANFO. Had to wait for everyone else to go up before we could fire. Got a pink mineral (dissem. in calcite with zincite) from the South end. Probably a Humite.
31 MAY 85  935 STOPE 430 LEVEL
Scaled and bolted. 25 bolts. Sliker looked at the footwall and will tell us Monday whether to take another strip. Saw a band of "crazy calcite" bed between the two ore veins.

3 JUN 85  DDH 488 1750 LEVEL
Got powder order out of magazine in AM. Drilled from 45' to 70'. All green rock. Came up at noon for annual first aid refresher course.

4 JUN 85  935 STOPE 430 LEVEL
Mucked out enough ore to drill another strip on the footwall. Drilled the bottom half of the strip. 104'. Chris drilled the rest with the jumbo. Showed Jim Tappey, a new man, how to tram. 21 cars. Also gave him some time on the drill.