

19 MAR 81 1260 U.P. 1000 LEVEL 610

GOT OUT POWDER ORDERS IN A.M. AND HELPED CAGEMAN DELIVER THEM. DRILLED A 7' ROUND IN 1260 U.P., SET UP SLUSHER SCREEN, CLEANED CEMENT OUT OF CHUTE ON 1100 LEV, MUCKED OUT THE LAST ROUND AND FIRED TODAY'S ROUND. GOT SOME SARKINITE SPECIMENS. #453

20 MAR 81 1450 P. 1750 LEV. & 1260 U.P. 1000 LEV.

STARTED DRILLING MORE TEST HOLES IN 1450 P. CHUCK PIECE FOR EXTENSION STEELS BROKE AT 10 A.M. GOT UP TO 1260 P. AT 11:30 A.M. MUCKED OUT YESTERDAYS ROUND AND PUT IN 6 BOLTS. GROUND CONDITIONS ARE VERY BAD. GOT MORE SARKINITE.

23 MAR 81 1450 P. 1750 LEV.

TOOK "83" UP TO SHOP TO MAKE SURE IT WAS NOT RESPONSIBLE FOR CHUCK BREAKAGE. IT WAS OK. DRILLED 52' OF TEST HOLES, DUE NORTH NO ORE. 50° EAST GOOD ORE AT 14'. GOT SOME STUFF FROM 2700 N. IN EAST VEIN.

24 MAR 81 1450 P. 1750 LEV

GOT POWDER ORDER OUT OF MAGAZINE
IN A.M. WENT TO 1450 AND DRILLED
2 TEST HOLES WITH AN "83". 86 FEET.
THE ORE ABOVE THE NORTH END SWINGS
TO THE EAST. GOT A SARKINITE FROM
1260 U.P. 1000 LEV.

25 MAR 81 1450 P. 1750 LEV.

HAD 4 HOURS YEARLY SAFETY TRAINING
IN A.M. DRILLED TEST HOLE DUE
EAST AT $+30^\circ \swarrow$. NO ORE. GOT A
HETEAROLITE FROM 1660 U.P., 1680 LEV.

26 MAR 81 1450 P. 1750 LEV.

HAD SECOND HALF OF SAFETY TRAINING
IN A.M. DRILLED LAST TEST HOLE IN
1450 P. DUE EAST AT $+45^\circ \swarrow$. NO
BROWN ORE CUTTINGS. DARK GRAY 18' TO 23'.
GOT 2 HETEAROLITES FROM 1660 U.P.

27 MAR 81 DDH 444 1020 U.P. 500 LEV.

MOVED "83" AND EXTENSION STEELS FROM 1450 P. TO 1750 LEV. STATION. MOVED DIAMOND DRILL FROM 700 LEVEL TO 500 LEVEL. SET DRILL UP IN HANGING WALL DRIFT OF 1020 U.P. AND DRILLED FOUR FEET WITH BULLBIT. ALL ROCK. GOT TWO NICE GRAPHITE ROSETTES FROM 1060 U.P., 500 LEV. #406

30 MAR 81 DDH 444

DRILLED FROM 4' TO 43'. STARTED TAKING CORE AT 39'. LAST 10' WAS QUARTZITE AND VERY HARD. NO ORE YET.

31 MAR 81 DDH 444

DRILLED FROM 43' TO 76'. FRANKLINITE 63' TO 64', THE REST WAS ROCK. LOST DRILL WATER IN A CRACK AT @ 73'. GOT SOME THIN CRUSTS OF HEMIMORPHITE FROM MUD ZONE AT THE END OF THE DRIFT THAT THE DRILL IS SET-UP IN.

1 APR 81 DDH 444 1020 U.P. 500 LEV.

DRILLED 76' TO 99'. HIT CENTRAL
ZINCITE ZONE AT 82'. HAD TO WAIT
AN HOUR FOR AN EMPTY CORE BOX.
CHECKED 935 STOPE AT LUNCH TIME, NADA.

2 APR 81 DDH444

DRILLED FROM 99' TO 117'. ALL MASSIVE
ORE. HIT MUD ZONE AT 117'.

DDH 445 DUE WEST AT $+10^{\circ}$

RESET DRILL FOR NEW HOLE AND DRILLED
TO 7'. ALL WHITE ROCK.

FIRE TWO SHORT HOLES BEHIND A
FRIEDELITE VEIN IN THE 560 STOPE H/W.

3 APR 81 1020 STOPE 1300 LEV.

MOVED FILL WITH LHD. OVER 300 CARS.
GOT SOME WEST VEIN MICROS. ANOTHER
REDUCTION IN PRODUCTION AND LAY-OFF WAS
POSTED TODAY. APR. 13TH NINE MEN WILL BE
LAYED OFF AND TONNAGE WILL DROP TO
8,000 TONS PER MONTH.

6 APR 81 1340 U.P. 1100 LEV.

WORKED WITH CLIFF VAN STRANDER TODAY.

WE PUT IN 12 ROCK BOLTS, CRIBBED UP A LARGE, LOOSE PIECE ON THE NORTH RIB, DRILLED HOLES FOR SLUSHER BLOCK PINS, AND PULLED 10 CARS FROM THE CHUTE. HAD TO FIRE CHUTE.

7 APR 81 DDH 445 1020 U.P. 500 LEV. $+10^{\circ}$

DRILLED 7' TO 49'. ALL ROCK. GOT SOME FRIEDELITE FROM 560 STOPE AREA.

8 APR 81 DDH 445

DRILLED 5' OF WHITE ROCK. THEN I HAD TO GO TO 1340 U.P., 1100 LEVEL AND WORK WITH CLIFF V.

9 APR 81 1570 E. STOPE 1200 LEV.

MUCKED WITH SLUSHER TO EXPOSE ORE ON THE FOOTWALL. THIS ORE WAS LEFT DUE TO THE USE OF AN INAPPROPRIATE MINING TECHNIQUE TO BREAK 1200 LEVEL. CREDIT TOM SLIKER. DRILLED FIRST TWO HOLES FOR A STRIP ROUND. WENT DOWN TO 1300 LEVEL AFTER LUNCH TO PULL CHUTE. ORE CANNOT BE LEFT

IN THIS CRIB VERY LONG BECAUSE IT WILL
HANG UP. DUE TO A BREAKDOWN OF THE
AIR CYLINDER THAT OPENS THE ORE PASS
SAFETY GATE WE ONLY GOT 14 NEW CARS.
SAW SOME LARGE PIECES OF LOOSE WHILE
WALKING PAST THE OLD 1240 TRANSVERSE STOPE
CHUTE. WILL DO SOME SCALING THE FIRST CHANCE
I GET.

10 APR 81 1260 U.P. 1000 LEVEL

SLUSHED OUT THE FLAT BENCH THAT
JARREL FIRED YESTERDAY. 20 CARS.

SCALED LOTS OF LOOSE. THE GROUND IS
VERY BAD AND DIFFICULT TO BOLT.

PUT IN 6 BOLTS. HAD TO GET A NEW "53".

GOT SOME SARKINITE XTALS.

13 APR 81 1060 U.P. 500 LEV.

BOLTED. 18 BOLTS. TOOK DOWN THREE
CHANDELIERS. HAD A ROUGH TIME WITH SOME
LARGE LOOSE WHICH WAS TOO BAD TO BOLT
AND DIFFICULT TO SCALE DOWN. GOT SOME
FRIEDELITE FROM 560 STOPE.

14 APR 81 1060 U.P. 500 LEV.

SCALE LOOSE AND ROOF BOLT, 15 BLTS.
DRILL BLOCK HOLES, 6. WENT UP TO
430 LEVEL TO PULL OVERSIZE RAISE.
2 CARS.

15 APR 81 1340 U.P. 1300 LEV.

TRAMMED ORE. 46 CARS. CHECKED
LOOSE AREA SEEN ON 9 APR 81. NADA.

16 APR 81 1340 U.P. 1300 LEV.

TRAMMED ORE. 31 CARS. HAD TO FIRE
CHUTE FOUR TIMES. HAND MUCKED IN
PILLAR. FINAL CLEAN OUT DONE. SCALED
DOWN A LARGE PIECE OF BANDED
FLUORITE IN 1300 X-CUT. IT WENT
DOWN A RAISE TO 1400 LEVEL. WILL
LOOK FOR IT NEXT CHANCE I GET.

21 APR 81 1200 STOPE 600 LEV.

MUCKED WITH LHD. 31 CARS. BROKE
A HYDRAULIC HOSE AT 1:30 P.M. SENT IT
UP TO THE SHOP. REPAIRED A SWITCH BY
THE BULKHEAD DOOR. GOT SOME UNALTERED
ORE (NICE GREEN WILLEMITE)
#440

22 APR 81 1200 STOPE 600 LEV.

DRILLED 220' ON A STRIP ROUND.
THIS IS DEVELOPEMENT WORK TO GET
THIS STOPE STARTED. CHECKED OUT A
LARGE CAVITY IN THE H/W. SAW MANY
CALCITE XLS. GOT NO KEEPERS.

23 APR 81 1340 U.P. 1100 LEV.

WORKED WITH CLIFF ON FILL PREP.
PUT ON A MANWAY PIPE, HUNG SLUSHER,
AND BUILT A FILL FENCE. GOT SOME
MICROS FROM BRECCIA ZONE. CHECKED
780 PILLAR AT LUNCH TIME. NADA.

24 APR 81 1340 U.P. 1100 LEV, 1570E. ST. 1200L.

FINISHED FILL PREP IN 1340. GOT MORE
MICROS. PUT UP DAMS AROUND CHUTE ON
1300 LEV. WENT TO 1570 E. TO DRILL
STRIP AND SLUSH. DRILLED 33'. SLUSHER
WOULD NOT WORK. GOT SOME POWELLITE -
MOLYBDENITE FROM 1300 X-CUT (AT THE
1300 U.P. CHUTE STRIP). 1020 ST. BONUS PAID
TODAY. \$1722.

27 APR 81 1340 U.P. 1100 LEV.

WORKED WITH STEVE ON FILL CREW.

HAD A WATER PROBLEM ON 1200 LEVEL.

HAD TO PUT UP A DAM AND INSTALL A
PUMP UNDER THE F/W MANWAY. GOT SOME
VERY NICE ^{#413, 414, 419} ALLACTITE - BARITE - RHODOCHROSITE
SPECIMENS FROM A BRECCIA ZONE IN THE
SOUTH RIB OF THE PILLAR.

28 APR 81 1260 U.P. 1000 LEV.

WORKED WITH BOB WILLIAMSON TODAY.

HE PUT IN 8 BOLTS AND DRILLED 144'
ON A FLAT BENCH.

29 APR 81 1260 U.P. 1000 LEV.

BOB FINISHED FLAT BENCH, 80', SLUSHED,
PUT IN 2 BOLTS, AND FIRED BENCH.

30 APR 81 1260 U.P. 1000 LEV.

DRILLED PIN HOLES FOR SLUSHER BLOCKS.

TRAMMED ORE ON 1100 LEV. 54 CARS.

WASHED OFF WALL AT REALGAR LOCATION
IN 1220 X-CUT. IT MIGHT BE POSSIBLE TO
GET MORE, WITH A CHISEL.

1 MAY 81 1260 U.P. 1000 LEV.

GOT OUT POWDER ORDER IN A.M. PUT IN 7 BOLTS, DRILLED A STRIP HOLE. SLUSHED. COVERED MANWAY, FIRED STRIP.

4 MAY 81 1020 ST. 1300 LEV.

WORKED WITH DOUG TODAY. HE FIRED UP-HOLES FRIDAY. WE HAD TO START BOLTING AT THE FILL RAISE. THE BACK WAS TOO HIGH SO WE DUMPED 30 CARS OF FILL. PUT IN 25 BOLTS AND FIRED LOOSE ON BROW. GOT SOME WEST VEIN MICROS.

5 MAY 81 1020 ST. 1300 LEV.

TOOK 50 BOLTS TO THE STOPE. DOUG AND I BOLTED UNDER THE BROW UNTIL HE USED THE LHD TO MAKE A RAMP TO THE TOP OF THE MUCK PILE. THEN HE DUMPED EXTRA MUCK ON TOP OF THE PILE TO MAKE THE HIGH BOLTING EASIER. WE PUT IN MORE BOLTS IN THE BACK. DOUG DROVE THE 3 BOOM JUMBO UP THE RAMP AND USED IT TO BOLT THE H/W

WHILE I PUT MORE BOLTS IN THE ⁶²⁰ BROW. WE DRILLED A SMALL STRIP ON THE EAST BRANCH F/W AND PUT TWO STICKS OF ATLAS POWDER BEHIND THE ROOF BOLT PLATE HOLDING A LARGE CHANDELIER ON THE E.B. H/W. WE DID NOT HAVE ENOUGH FIRING WIRE TO REACH 1300 LEV SO DOUG FIRED OFF THE LHD. $\frac{1}{2}$ OF THE BOLT PLATE FLEW 40' TO THE WEST VEIN F/W (BREAKING THREE LADDERS STANDING AGAINST THE WALL) AND BOUNCED 100' TO THE NORTH END OF THE STOPE, LANDING 5' FROM ME. I SAW A BLUE FLASH OF SPARKS WHEN IT HIT THE FOOTWALL. GOT A W/V MICRO SPECIMEN.

6 MAY 81 1020 ST. 1300 LEV. 03

HUNG LADDERS IN FILL RAISE AND SCALED LOOSE IN THE RAISE. BOLTED MORE OF THE H/W WITH THE JUMBO. PUT MORE BOLTS IN BROW WITH JACK LEG. DRILLED AND FIRED A STRIP ON THE EAST BRANCH FOOTWALL.

7 MAY 81 1020 ST. 1300 LEV.

DOUG STAYED HOME TODAY. I GOT NORM FOR A HELPER. PUT IN 22 BOLTS. EVERYONE'S CAP LAMP WENT DIM TODAY. TURNS OUT THAT THE BATTERY CHARGER DID NOT WORK LAST NITE.

8 MAY 81 1020 ST. 1300 LEV.

WORKED WITH DOUG TODAY. HE DRILLED AND FIRED TWO STRIPS ON THE FOOTWALL AND FIRED A LARGE SLAB ON THE H/W. WE PUT IN 25 BOLTS. GOT SOME W/V MICROS.

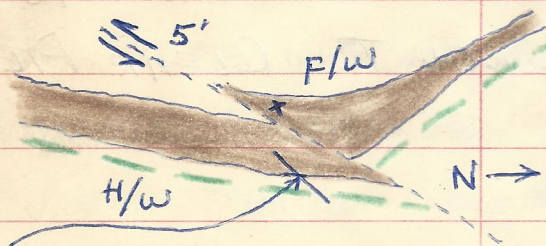
11 MAY 81 1020 ST. 1300 LEV.

BOLTED. 30 BOLTS. DRILLED AND FIRED A STRIP ON THE F/W. 25 FEET. GOT SOME W/V MICROS.

12 MAY 81 1020 ST. 1300 LEV.

BOLTED. 28 BOLTS. DRILLED AND FIRED A STRIP ON THE F/W. 45 FEET.

13 MAY 81 1020 STOPE 1300 LEVEL
 BOLTED, 18 BOLTS, DRILLED AND
 FIRED A LARGE STRIP ON THE F/W.
 80'. 50 POUNDS ATLAS 840 POWDER,
 WE HAVE BOLTED UP TO THE PLACE
 WHERE THE VEIN BENDS AND IS
 DISPLACED BY A FAULT. ARSENATES*
 ARE ON SLIPS AND IN ORE AT "X".



* KRAISSLITE
 HOLDENITE.

GOT A HEMATITE ROSETTE FROM A FRIEDELITE
 VEIN. (DRAWING SHOWS EAST BRANCH OF WEST VEIN.)

14 MAY 81 1570 E. ST. 1200 LEVEL

GOT OUT POWDER ORDER IN A.M. WENT TO 1300
 LEVEL TO TRAM, 30 CARS. HELPED CLIFF DRILL
 A STRIP ON THE FOOTWALL AFTER LUNCH. GOT
 SOME WHITE WILLEMITE IN ANDRADITE FROM 1580X-CUT
 1300 LEVEL AND SOME BLUE LAWSONBAUERITE FROM
 THE STOPE.

15 MAY 81 HOME WITH TOOTHACHE

18 MAY 81 HOME WITH TOOTHACHE

19 MAY 81 1540 U.P. 1500 LEVEL

HAD TO FIRE RAISE ON 1500 TO GET MUCK TO RUN DOWN INTO RAISE BORE HOLE. WENT DOWN TO 1600 AND TRAMMED 72 CARS. SPENT AN HOUR WORKING WITH 3 OTHER MINERS UNDER THE SUPERVISION OF SLIKER AND RAMAGE TRYING TO GET AN OLD SWITCH THROWN SO A CAR OF MUD COULD BE DUMPED IN AN OLD FILL RAISE BY THE SAFETY EXIT. WHEN WE FINALLY DUMPED THE CAR IT TIPPED OVER AND WE HAD TO GET A "COME-ALONG" TO RERAIL IT.

20 MAY 81 1540 U.P. 1500 LEVEL.

BACK-SLUSHED TO FILL THE ORE RAISE AND BOLTED THE RIBS. 6 BOLTS.