# DIAMOND DRILL HOLE LOG

Company: LACANA MINING INC.

**LEGEND**
- TERT. TRACHYTE ✓
- TERT. HB. DIO X
- DEADWOOD FM-C SHALE
- DEADWOOD FM-E QUARTZITE
- PRECAMBRIAN ✓

**SURVEY**

| Footage | Bearing | Inclination |
|---|---|---|
| 200' | S 90° W | -47° |
| 400' | N 87° W | -48.5° |
| 600' | N 84° W | -50° |

Property: GILT EDGE
Hole No.: DGE-2
Location: LAWRENCE CO., SOUTH DAKOTA
Bearing at Collar: S 89° W
Inclination at Collar: -45°
Coord. - Collar N: 747,550
E: 1,127,031
Length: 600
Elev. - Collar: 5602
Core Size: HQ 0'-513' NQ 513'-600
Date started: 9/24/83
Completed: 10/5/83
Logged by: SJS

| LITHOLOGY, ALTERATION, MISC. | FT. | GRAPHIC LOG (FCT) | MINERALIZATION | RECOVERY Run | Run length | Core | | ANALYTICAL Sample | Interval | SHMC Au | AU | BOX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-28' OVERBURDEN<br>DRILLERS USED TRICONE TO SOLID ROCK, THEN CASED BEHIND; NO RECOVERY | 10<br>20 | | | | | | | | | | | |
| 28'-57' HORNBLENDE DIORITE<br>28'-45' LT GY, RARE RELICT HB; ROCK MLY BRECCIED + FE STAIN; MLY WEATHERED, INTENSELY FCT @ 0-10°, 40°, 60°; FCT FILLED W/ BROX; HB MOSTLY GONE FELD EVENS .1" 5-15% | 30<br>40<br>50 | | 28'-45' 0% PYRITE; TOTALLY OXIDIZ. TO JAR, W/ MINL LIM, GEO; FE 90% ON FCT 10% AS CASTS LIMON, REP PY; ORIGINAL PY CONTENT POSS 5-10%<br>45'<br>45'-57' 1-2% PY, MLY LIM + GEO ON FCT REP PY; POSS ORIGINAL PY ≈ 5% MIXED SULF-OXIDE ZN | | 2.5<br>4.5<br>3.5<br>4.5<br>3<br>7 | 2.5<br>4.5<br>3.5<br>4.5<br>3<br>7 | 0<br>6<br>40<br>36 | 28-30<br>30-35<br>35-40<br>40-45<br>45-50<br>50-55 | 2<br>5<br>5<br>5<br>5<br>5 | NF<br>TR<br>NF<br>.02<br>NF<br>NF | NF<br>NF<br>NF<br>.020<br>NF<br>NF | |
| 45'-53' COLOR CHANGE TO MED GY; AX = MOD PAR. RXT; HB → CHL (15-20%), MINOR EPIDOTE MOD FCT @ 0-20°, 60°; | | | | | | | | | | | | |

| LITHOLOGY, ALTERATION, MISC. | FT. | GRAPHIC LOG (FCT) | MINERALIZATION | RECOVERY Run | Run length | Core | RQD | ANALYTICAL Sample | Interval | SHML Au | Au | | | | BOX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57' CNT INDST. POSS SHP @ 3° | | | 57' | | 5.5 | 5.5 | | 55-60 | 5 | NF | NF | | | | |
| 57'-99' SHALE FN GRN; LT-MED GRN-GY; HORNFELSED W/SLIGHT RECRYSTALLIZATION + BLEACHING FCT MOD TO HVY TO 96' @ 0-20°; 30-50°; 60°-70°; RVY GEO LM ON FCT; BEDDING MOSTLY MASSIVE | 60 | | 57'-73' TR PY; HVY LM, GEO ON FCT RET. PY; ORIGINAL PY CONTENT ≈ 5%; NEARLY TOTALLY OXID | | 5.5 | 5.5 | | 60-65 | | NF | NF | | | | |
| 64' 1' THINLY BEDDED; BEDDING @ 50° | | | 64' 2' 1% PY ON FCT MOD-HVY LM. ON FCT | | | | 60 | | | | | | | | |
| | | | | | 9 | 9 | | 65-70 | | TR | TR | | | | |
| | 70 | | 70' DECR IN LM TO MOD; DUE TO DECR IN ORIGINAL PY TO ≈ 2-3% 73' | | | | | 70-75 | | TR | NF | | | | |
| 72'-99' BEDDING 2' TO .1"; DEFINED BY DARK + LT GREEN LAYERS; DK GRN IS CHL. COLOR | | | 73'-95' ≈1% PY; MOD-HVY LM, GEO; ON FCT W/ POSSIBLE ORIGINAL PY ≈ 3-5%; REAL INCR. IN AMOUNT OF UNOXID. PY; | | | | 41 | | | | | | | | |
| 77' BEDDING @ 40° | | | | | 9 | 9 | | 75-80 | | .005 | .005 | | | | |
| 81'-85' HVLY BRK CORE @ 25°-30°; NO GOUGE OR SLKS NOTED; POSS SMALL SHEAR | 80 | | | | | | | 80-85 | | NF | NF | | | | |
| | | | | | 6 | 6 | 14 | | | | | | | | |
| 88'-95' HVLY BRK CORE @ 40°-50°, 0°-20°; NO SLKS OR GOUGE; POSS MINOR SHEAR ZN | | | | | | | | 0001 | | NF | NF | | | | |
| | 90 | | | | 3 | 3 | | | | | | | | | |
| | | | | | 2 | 2 | | 0002 | | .005 | TR | | | | |
| | | | 95' | | | | 43 | | | | | | | | |
| 97' BEDDING @ 50° | | | 95'-99' 2-3% PY; MIN LM, GEO ON FCT; 75% PY UNOXID. | | 10 | 10 | | 0003 | | .003 | .003 | | | | |
| 99' SHP CNT @ 25° | | | 99' | | | | | | | | | | | | |
| 99'-116' HB D/O (MONZ?) LT-MED GY; FN TO MED GRN; LT GY FELD PHENOS (.1"-.3") 5%; HB AT TO PYR, PY, CHL, EPT 7-10%; EPT 1-2% ON FCT + DISSEM. RENEALED FCT LT-MOD W/ CALC, PYR, PY, CHL @ 10°, 30°-50° | 100 | | 99'-116' 1-2% PYR, PY (3:1) 80% AS PYR DISS. REPL. HB 20% ON FCT; LM ON FCT | | | | | 0004 | | NF | NF | | | | |
| | | | | | | | 81 | | | | | | | | |
| | | | | | 10 | 10 | | 0005 | | TR | NF | | | | |
| | 110 | | | | | | | | | | | | | | |
| | | | | | | | | 0006 | | NF | NF | | | | |
| 116' SHP CNT @ 20° | | | 116' | | | | 88 | | | | | | | | |
| 116'-124' SHALE DK GRN W/ MINOR LT GRN + RARE BRN BEDS; FN GRN; THINNLY BEDDED; 120° BEDDING @ 40°; RENEALED FCT MOD-HVY W/ QTZ, PY, CALC ON FCT @ 0°-10°; 50°-70° | 120 | | 116'-124' 2-5% PY ERRATICALLY DISTRIB. IN DK GRN BEDS. AS REPL BLEBS (60-70%); 30-40% ON FCT; MINOR LM, GEO ON FCT; | | 10 | 10 | | 0007 | | TR | TR | | | | |
| | | | | | | | | 0008 | | NF | NF | | | | |

| LITHOLOGY, ALTERATION, MISC. | FT. | GRAPHIC LOG (FCT) | MINERALIZATION | RECOVERY Run | Run length | Core | RQD | ANALYTICAL Sample | Interval | SHMD Au | AU | BOX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LT - MED GRN-GY; 10% HB ALT TO EPI, PYR, PY REHEALED FCT MOD @ 30°-40°; CALC, DK GY OXIDES | | | 124'-128' 2-3% PYR, PY (3:1) DISS. W/ EPI REPL. HB 80% | | | | 68 | | | | | |
| 128' ON FCT SHP CNT @ 40° | | | 128' 20% ON FCT | | 10 | 10 | | 0009 | | TR | NF | |
| 128'-146' SHALE LT GRN TO 136', 136'-146' PREDOM. DK GRN SHALE; LT-MOD FCT @ 10°, 40° 85° REHEALED W/ CALC, PY; BEDDING | 130 | | 128'-146' 2-5% PY V. ERRATICALLY DISTR. AS REPL ON BEDDING (30%); 70° ON FCT OR REPL PODS ADJ TO FCT; MIN. LM ON FCT | | | | | 0010 | | .015 | .015 | |
| 133' THIN; UNIT CALCAREOUS 4" BX SHALE; POSS MINOR FLT @ 40° | | | 134' | | | | 88 | | | | | |
| 137' MICRO FAULT @ 15°, .75" DISPLACEMENT | | | | | 10 | 10 | | 0011 | | .010 | .010 | |
| | 140 | | 141' 1' 10% PY AS REPL IN DK GRN BED. | | | | | 0012 | | .010 | NF | |
| 146' SHP IRREG CNT ≈ 45° | | | 146' | | | | 59 | | | | | |
| 146'-165' TRACHYTE LT GY; GRNDMASS APHANITIC; FELD PHENOS AVR .2" 20-30%; NO MAFICS; <2% QTZ; PHENOS MOD ALT TO CLAY; LT-MOD FCT @ 40°, 0-10°, 70°; LM, BLK OXIDES ON FCT | 150 | | 146'-165' 2-5% PY AS MED GRN DISSEM 80%; 20% ON FCT 80-90% PY OXIDIZED TO LM, GEO, BLK OXIDES | | 10 | 10 | | 0013 | | NF | NF | |
| | | | | | | | | 0014 | | .010 | .010 | |
| | | | | | | | 35 | | | | | |
| | | | | | 10 | 10 | | 0015 | | .005 | NF | |
| | 160 | | | | | | | | | | | |
| | | | | | | | | 0016 | | .015 | .015 | |
| 165' SHP CNT @ 70° | | | 165' | | | | 67 | | | | | |
| 165'-173' HB DIO(?) 5-10% HB ALT TO CHL FN GRN; LT GRN; CRUDE LINEATION @ 40° HILY CONTAMINATED BY SHALES | | | 165'-170' 1-2% PY AS FN DISSEM. 20% ON FCT @ 20°, 75° 85°; PY ON FCT CSER GRN; TR LM ON FCT | | 10 | 10 | | 0017 | | .008 | .008 | |
| 170' SHP CNT @ 45° | 170 | | 170' | | | | | | | | | |
| 172' 170'-172' SHALE XENOL.(?) SHP CNT @ 55° ← THIS LINE DRAWN WRONG | | | 170'-172' 2-3% PY ON FCT @ 50°, 20°; FEOX NIL | | | | | | | | | |
| 173' HB DIO AS AT 165' SHP CNT @ 45° | | | 172' 173' 3-5% PY ON FCT @ 85°, 50° | | | | | 0018 | | NF | NF | |
| 173'-190' SHALE MED GRN W/ DK GRN + MIN. DK GRN BEDS; THINNLY BEDDED; REHEALED FCT MOD @ 40°-50°, 80°, MIL. 20°; UNIT LT-MOD CALCAREOUS | | | 173'-190' 2-5% PY ON FCT 40%, 60% REPL. IN DK GRN + MOD GRN VNDS; EVERY 1-2' HIGHER GRADE AREA DUE TO REPL. OF FAVOR. DK GRN BED; PY OCC. W/ CALC, QTZ, MED GRN GARNET, BRN MIN. IS HARD; FEOX NIL | | | | 91 | | | | | |
| 180' BEDDING @ 50° | 180 | | | | 10 | 10 | | 0019 | | .010 | .015 | |
| 183' BEDDING @ 50° | | | DOMIN. MINER. FCT WNW BEARING | | | | | 0020 | | .020 | .020 | |
| | | | | | | | 88 | | | | | |
| 187' 3/4" VN @ 20°; PY, QTZ, CALC. FILLING | | | 187' IN VN 3/4" 75% PY | | | | | | | | | |
| 188' BEDDING @ 60° | | | | | 10 | 10 | | 0021 | | .025 | .025 | |
| 190' SHP CNT @ 50° | 190 | | 190' | | | | | | | | | |
| 190'-193' HB DIO FN GRN; LT GRN; HB ALT TO PYR, CALC, EPI.; LT FCT @ 20°, 50° | | | 190'-193' 2-3% PYR 80% DISS. REPL. HB, 20% ON FCT; PY 4% | | | | | | | | | |
| 193' SHP CNT @ 50° | | | 193' | | | | | 0022 | | .025 | .025 | |

| LITHOLOGY, ALTERATION, MISC. | FT. | GRAPHIC LOG (FCT) | MINERALIZATION | RECOVERY Run | Run length | Core | RQD | ANALYTICAL Sample | Interval | SHML Au | AU | BOX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193'-234' SHALE LT GRN, W/ MINOR DK GRN + DK BRN BEDS; MOD CALC.; 194' 2" 10% GARNET (MED BRN-RD BRN, HARD) TR GARN, ELSEW REHEALED FCT; 193'-202' LT-MOD @ 20°-30°, 0°-5°, 50°-60°; 202'-213' MOD-HVY @ 0°-10°, 30°-40°; 213'-215' LT @ 30°-40°; 204' BEDDING @ 55° | 200 | | 193'-199' 1-2% PY ON FCT | | 10 | 10 | 75 | 0023 | | .01 | .07 | |
| | | | 199'-212' 5-7% PY 80% ON FCT; INCR PY DUE TO VNLT RUNNING PARR. TO CORE + INCR IN FCT; 20% REPL. OF DK GRN; 205° .1-.2" VN W/ 90% PY, MINOR CALC., QTZ @ 0°-5° | | | | 87 | 0024 | | .025 | .025 | |
| | | | | | 10 | 10 | | 0025 | | .045 | .045 | |
| 210° BEDDING @ 50° | 210 | | 212' | | | | | 0026 | | .010 | .010 | |
| 217' BEDDING @ 45° | | | 212'-234' 1-2% PY ON FCT W/ CALC; 215' 1' 2-3% PY AS INCR IN REPL. OF DK GRN UNIT | | | | 92 | 0027 | | .015 | .015 | |
| | 220 | | | | 10 | 10 | | | | | | |
| | | | 222' .1" PY VNLT @ 0°-5° | | | | | 0028 | | .225 | .225 | |
| 225'-234' DK BRN SHALE W/ MINOR LT GRN + DK GRN BEDS; BEDDING 1' TO .1"; FCT LT @ 20°, 60°, 50° REHEALED W/ PY, CALC.; BEDDING AVR @ 1"; | | | | | | | 84 | | | | | |
| | | | | | 10 | 10 | | 0029 | | .010 | .010 | |
| 232' BEDDING @ 45° | 230 | | | | | | | 0030 | | .008 | .008 | |
| 234' IRREG CNT ≈ @ 60°; 234'-244' HB DIO MED GRN; LT-MED GRN-GY; 20% FELD PHENOS FRESH; 10-25% MAFIC PHENOS; FRESH HB 5-10%; HLY ALTED PYROX(?) PHENOS TO CHL W/ CALC, EPI, PYR, PY, TR BIO; RX CSER GRN THAN NORMAL HB DIO; FCT LT @ 30°-60° REHEALED W/ PYR, PY | | | 234' | | | | 79 | | | | | |
| | | | 234'-244' 2-4 PYR, PY 60% PYR, 40% PY AS DISSEM REPL MAFICS + ON FCT (30%); 240' PY TARNISHED | | 10 | 10 | | 0031 | | NF | NF | |
| | 240 | | 242' PY TARNISHED | | | | | 0032 | | NF | NF | |
| 244' SHP CNT @ 50°; 244'-246' SHALE DK BRN W/ LT FCT; 245' SHP CNT @ 45°; 246'-251' HB DIO(?) FN GRN, DK GY INTRUS. 5-10% POSS PSUEDOM AFT HB; HIGHLY CONTAMIN. | | | 244' | | | | 100 | | | | | |
| | | | 244'-246' 2-4% PY, PYR 50-50; 246' IN TWO 1" REPL. ZNS; 246'-253' 2-3% PYR, PY 75% PYR, 25% PY AS DISSEM + ON MINOR FCT (15%) | | 10 | 10 | | 0033 | | .033 | .033 | |
| 251' SHP CNT @ 45°; 251'-253' HB DIO + SHALE MIXED; SHALE; 253' PART. ASSIMILATED; FCT LT SHP CNT @ 40° | 250 | | 253' | | | | | 0034 | | NF | NF | |
| 253'-266' SHALE DK BRN SHALE W/ 1"-6" UNITS W/ CALC SILIC (LT BRN), GARN EPI, CALC; BEDDING 1"-2'; FCT LT-MOD REHEALED W/ CALC AND MINOR PY, PYR; MOST FCT LITTLE PY | | | 253'-266' 2-5% PY, PYR 60% PY, 40% PYR. MAINLY IN REPL. BEDS 70%, 20% ON FCT; 10% IN MASS. VN. | | | | 97 | | | | | |
| | | | | | 10 | 10 | | 0035 | | .010 | .010 | |
| | 260 | | 260' 3" MASS PY VN @ 55°; 262' 2' 5% PYR, PY 1:1 IN REPL BEDS W/ SL INCR IN [illegible] | | | | 77 | 0036 | | .140 | .140 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 266' SHALE AS AT 253' SHP CNT @ 55° | | | 266' 25% PY, PYR AS AT 253' | | | | | | | | | |
| 266'-274' HB DIO V. FN GRN, LT-MD GRAY; HB ALT TO V. FN CHL + BIO ? W/ MAJOR AMOUNTS OF PY, PYR; ROCK 10-15% PART. ASSIM. XENOL(?) HIGHLY ALT TO CHL-BIO ? (V. FN GRN); FCT LT-MOD @ 40°-60° RENEAL W/ CALC + MIN. PY, PYR | 270 | | 266'-274' 2-3% PY, PYR 4:1; AS DISSEMIN. REPL. MAFICS + XENOL. 80%; 20% ON FCT; NIL FEOX | | 10 | 10 | 77 | 0037 | | .010 | .015 | |
| 274' INDISTINCT CNT W/ INTRUS. MIXED W/ PART. ASSIMIL. SHALE | | | 274' | | | | | 0038 | | .020 | .020 | |
| 274'-292' SHALE DK BRN W/ LT GRN BEDS; BEDDING .1" TO 2"; FCT MOD @ 10°-20°, 40°-50°, 60°-70° | | | 274'-292' 1-2% PYRITE ON FCT; EXCEPT AS NOTED @ 278', 279'; NIL FEOX | | | | 77 | | | | | |
| | | | 278' 1' 25% PY; MASS. REPL SHALE | | 10 | 10 | | 0039 | | 3.15 | .040 | |
| | 280 | | 279' 5" MASS PYR W/ MINOR PY REPL. SHALE | | | | | | | .035 | .035 | |
| 282' 2' INT FCT; RENEAL. W/ QTZ; MIN. SILIC. ADJAC. TO FCT. | | | | | | | | 0040 | | NF | NF | |
| | | | | | | | 82 | | | | | |
| | | | | | 10 | 10 | | 0041 | | .015 | .015 | |
| | 290 | | | | | | | | | | | |
| 292' INDISTINCT CNT PASS @ 50° | | | 292' | | | | | | | | | |
| 292'-297' HB DIO(?) MD GY INTRUS; NO MAFICS BUT TEXT. RESEMBLES HB DIO; HIGHLY CONTAM.; FCT LT @ 5°-20° RENEAL W/ PY, PYR IRREG CNT @ ≈ 40° 297' | | | 292'-297' 2-4% PY, PYR 10:1 90% DISSEM PASS. REPL. MAFICS; 293' 2" MASS. PY; 10% PY ON FCT 297' | | | | | 0042 | | .055 | .055 | |
| | | | | | 5 | 5 | 89 | | | | | |
| 297'-325' SHALE PREDOMIN. DK GRN SHALE W/ 25% LT GRN + DK GRN BEDS; FCTING IS LT-MOD @ 10°-20°, 40°-60°; RENEALED W/ QTZ, CALC, PY, MIN. BLK OXIDES; RARE GARNET IN CONTS + MAF. BEDS. | 300 | | 297'-325' 2-5% PY, PYR 2:1; 90% AS SELECT. LOCA. REPL. OF NARROW (1"-4") DK GRN SHALE BEDS; IN SOME ZNS PYR > PY 298' 4" 20% PY, PYR 302' 7" 15-20% PYR, PY 304' 1' 10% PY, PYR 306' 1.5' 10-15% PY, PYR | | | | | 0043 | | .20 | .20 | |
| | | | | | 5 | 5 | | | | | | |
| | | | | | | | | 0044 | | .07 | .07 | |
| | | | | | | | 92 | | | | | |
| 305' BEDDING @ 50° | | | | | | | | | | | | |
| 326' 4" BX FILLED W/ PY @ 55°(?) | | | | | | | | | | | | |
| 302'-315' LOC. AREAS OF BLEACHING + SILIC. | | | | | 10 | 10 | | 0045 | | .038 | .038 | |
| | 310 | | | | | | | | | | | |
| 311' 6" HB DIO SILL | | | | | | | | | | | | |
| | | | 313' 3" 30% PYR, PY | | | | | 0046 | | .010 | .010 | |
| 315' BEDDING @ 50° | | | 315' 2' 10-15% PYR, PY | | 3 | 3 | 94 | | | | | |
| | | | | | 2 | 2 | | 0047 | | .005 | .005 | |
| | 320 | | | | | | | | | | | |
| 321' 4' DK-MED GRN SHALE | | | 321'-325' 5-10% PY W/ MIN PYR REPL; (20%) ON FCT | | 5 | 5 | | | | | | |
| | | | | | | | | 0048 | | .030 | .030 | |
| 325' SHP CNT @ 50° | | | 325' | | | | 96 | | | | | |
| 325'-349' HB DIO FN TO MED GRN; LT GY TO MED GRN GY; 10-20% HB ALT TO CHL. W/ POSS. BX; CAL, PY; FCT LT-MOD @ 20°, 60° | | | 325'-349' 2-3% PY TOT. AS DISSEM REPL HB + XENOL; 30% ON FCT; NO FEOX | | 10 | 10 | | 0049 | | .02 | .02 | |
| | 330 | | | | | | | | | | | |
| 332' 1.9' DARK BRN SHALE UP. CNT @ 40°; LOW. CNT INDIST. NCT ≈ | | | | | | | | 0050 | | .025 | .025 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HB DIO AS AT 325' | | | | | | | | | | | | | | | |
| 337'-346' DIO CONTAMIN. W/ 10-20% PART. ASSIMIL. XENOL.; XENOL. ALT TO CHL + BIO IRREG. MASSES | 340 | | 2-3% PY AS AT 325' | | 10 | 10 | 79 | 0051 | | .01 | .015 | | | | |
| | | | | | | | | 0052 | | .035 | .025 | | | | |
| | | | | | | | 86 | | | | | | | | |
| 349' SHP CNT @ 40° | 350 | | 349' | | 10 | 10 | | 0053 | | .035 | .035 | | | | |
| 349'-355' DK BRN SHALE MASSIVE BEDDING; MOD-INT FCT @ 10°-20°, 40°-60° | | | 349'-355' 1-2% PY MINOR PY ON FCT | | | | | 0054 | | .025 | .025 | | | | |
| 355' SHP IRREG CNT | | | 355' | | | | 84 | | | | | | | | |
| 355'-359' BX + HB DIO BRECCIATED HB DIO W/ MATRIX OF V. PN GRN HB DIO + CRUSHED SHALE; 6" DIO SILL @ 358' | | | 355'-359' 2-5% PY DISS. REPL. MAFICS IN DIO W/ LESSER AMOUNTS IN BXIATED SHALE | | 10 | 10 | | 0055 | | .030 | .030 | | | | |
| 359' SHP CNT @ 50° | 360 | | 359' | | | | | | | | | | | | |
| 359'-398' DK BRN SHALE 10% DK GRN SHALE; PN GRN; MASS. BEDDING; 359'-361' DK GRN SHALE; LT-MOD FCT @ 20°-60° REVEALED W/ CALC., PY, BLK OX, LT REDX | | | 359'-361' 5-10% PY, PYR, 3:1 AS REPL OF DK GRN BED SHALE; 50% ON FCT | | | | | 0056 | | .015 | .015 | | | | |
| | | | 359'-391' 1-2% PY; TR PYR PY ON FCT; LOW SULF EXCEPT AS NOTED DUE TO LT FCT; LT LM ON FCT | | | | 71 | | | | | | | | |
| 368' 4" MINR BX W/ QTZ FLOODING | | | | | 10 | 10 | | 0057 | | .005 | TR | | | | |
| 370' .2" CALC VNS @ 20°; LOW SULF. | 370 | | | | | | | | | | | | | | |
| | | | 372'-375' 3' 2-10% PY ON NUMEROUS FCT @ 20°-30°; 2N OF MOD-HVY FCT; 2" NEARLY MASS. @ 375' | | | | | 0058 | | .045 | .045 | | | | |
| | | | | | | | 88 | | | | | | | | |
| | | | | | 10 | 10 | | 0059 | | .008 | .008 | | | | |
| | 380 | | | | | | | | | | | | | | |
| 372' BEDDING @ 50° | | | | | | | | 0060 | | .008 | .008 | | | | |
| 374' .2" CALC VN @ 25° | | | | | | | 63 | | | | | | | | |
| | | | | | 10 | 10 | | 0061 | | .010 | .010 | | | | |
| | 390 | | | | | | | | | | | | | | |
| 391'-398' CHANGE IN COMP TO DK GRN SHALE W/ MINOR DK BRN UNITS; BEDDING @ 40° | | | 391' | | | | | | | | | | | | |
| | | | 391'-400' 20-30% PY, PYR 4:1; 2N OF MASS. REPL. OF DK GRN SHALE; MASS. PY 2½" MINOR ALT BEDS W/ MASS. PYR.; BEDS OF PY + PYR MIXED; SULF ON FCT MINOR; LM V. LT; GALENA CUBES % 1-3% | | | | | 0062 | | TR | TR | | | | |
| | | | | | | | 93 | | | | | | | | |
| 398' | | | | | | | | | | | | | | | |
| 399.5' BRECCIA @ CNT DK GRN SHALE W/ MATRIX OF HB DIO | | | | | 10 | 10 | | 0063 | | .003 | .003 | | | | |
| 399.5'-413' HB DIO LT GRN-GY; V. PN GRN 5-10% HB ALT TO CHL, PY, PYR; FCT LT-MOD @ 20°-40° REVEAL W/ CALC, PY, PYR | 400 | | 400' | | | | | | | | | | | | |
| | | | 400'-413' 3-5% PY, PYR 2:1; DISSEM. REPL HB + | | | | | 0064 | | NF | NF | | | | |

| LITHOLOGY, ALTERATION, MISC. | FT. | GRAPHIC LOG FCT | MINERALIZATION | RECOVERY Run | Run length | Core | RQD | ANALYTICAL Sample | Interval | SHML AU | Au | | | | BOX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399.5'-413' HB DIO AS AT 399.5' | | | 3-5% PY, PYR AS AT 399.5 | | | | 90 | | | | | | | | |
| 402'-413' | | | | | | | | | | | | | | | |
| XENOLITHS ALT TO IRREG BLEBS OF CHL INCR AS GET CLOSER TO CNT. | | | | | 10 | 10 | | 0065 | | .020 | .020 | | | | |
| | 410 | | | | | | | | | | | | | | |
| | | | 411'-413' MOD LM ON FCT | | | | | | | | | | | | |
| 413' CNT ZONE OF XENOL. W/ MATRIX | | | 413' | | | | | 0066 | | .035 | .035 | | | | |
| 413'-421' SHALE ON HB DIO; LAST DIO @ 412' DARK GRN W/ MINOR DK BRN LAYERS; INT FCT @ 20°, 5-10°, 40°-60° REHEALED W/ PY, CALC, QTZ; GARNET RARE AT META PAR. 4141' 1' MINOR FLT @ 40°; SHEARED W/ POSS. 3" OFFSET(?); ROCK OXIDIZED; FLT PERPAND TO BEDDING; 420' BEDDING @ 40° | | | 413'-421' 5-10% PY, PYR 3:1(?) V. FN GRN PYR; 90% AS BLEBS REPL DK GRN UNITS; 10% ON FCT. 414' HVY LM IN SHEAR ZN | | 10 | 10 | 76 | 0067 | | .013 | .013 | | | | |
| 420' | 420 | | | | | | | | | | | | | | |
| 421' SHP CNT @ 40° | | | 421' | | | | | | | | | | | | |
| 421'-427' TRACHYTE MED-DK GY; NPH. GRANDMASS; 20-40% FELD PHENOS (LT GY 2.1"); ONE 1" PINK EUHED. FELD (SANID.?) OBSERV. SMALL XENOL HVY ALT TO CHL+BIO; FCT LIMOD 0°-5°, 10°-60° | | | 421'-427' 1-2% PY DISSEM REPL HB? DIO; 20% ON FCT | | | | 82 | 0068 | | .030 | .030 | | | | |
| 426' HIGHLY HETR. XENOLITH OF SHALE 1' THICK | | | | | | | | | | | | | | | |
| 427' 3" FROM BOTTOM OF SILL? SHP CNT @ 45° | | | 427' | | 10 | 10 | | 0069 | | .030 | .030 | | | | |
| 427'-442' SHALE DK GRN SHALE W/ INTERBEDDED DK BRN SHALE (25%), LT GRN SHALE (20%); 427'-1.5' HIGHLY HETR. W/ INT(?) TAN CALC SILICA (V. FN) GRN; MOD-INT FCT @ 20°, 40°-60° REHEALED W/ QTZ, CALC, MIN. PY 434' BEDDING @ 45° | 430 | | 427'-436' 1-2% PY ON FCT + RARE LOCL REPL OF DK GRN SHALE | | 10 | 10 | | 0069 | | .030 | .030 | | | | |
| | | | | | | | | 0070 | | .045 | .045 | | | | |
| 434'-442' PREDOMIN. DK GRN SHALE | | | 436' | | | | 87 | | | | | | | | |
| 438' BEDDING @ 45° | | | 436'-442' 3-5% PY, PYR REPL DK GRN UNITS; LOCAL HIGH CONC; PY:PYR 5:1; 20% SULF ON FCT | | 10 | 10 | | 0071 | | .045 | .045 | | | | |
| | 440 | | | | | | | | | | | | | | |
| 442' SHP CNT @ 45° | | | 439' | | | | | | | | | | | | |
| 442'-481' HB DIO LT-DK GY; 20-30% FELD PHENOS 2.1"; 5-10% NR ALT TO CHL, PY, CALC.; COLOR + TEXT. HIGHLY VARIBLE DUE TO NUMBER + SIZE OF XENOL. + AMOUNT OF ALT. ADJAC. TO CALC. VNS.; FCT MOD @ 30°-40°, 60°-80° CALC, PY ON FCT | | | 442' F-YORITE ON FCT @ 50° | | | | 84 | 0072 | | .050 | .050 | | | | |
| | 450 | | 448' 5% PYR, PY; 2:1 FOR 2' DUE TO PRT. ASSIMIL. SHALE XENOL. | | 10 | 10 | | 0073 | | .065 | .065 | | | | |
| 444' 2' SHALE XENOL | | | | | | | | | | | | | | | |
| 448' 1.5 XENOL HIGHLY ALT TO CHL+BIO | | | 442'-481' 3-5% PY, PYR 10:1; 70% ON FCT W/ 30% DISSEMIN. REPL. MARKS; HIGHEST SULF AREAS EITHER HIGHLY PRT OR DK GRN SHALE XENOL (PRT. ASSIMIL) W/ REHEAT HIGH SULF.; TR LM ON FCT | | | | | 0074 | | .050 | .050 | | | | |
| 453' SEVERAL 6" XENOL. ALT TO CHL+BIO | | | | | | | 86 | | | | | | | | |
| 454'-481' COLOR DIO TO HEAT GY-GRN NUMR. CALC VNLTS @ 30°-60° | | | | | 10 | 10 | | 0075 | | .030 | .030 | | | | |
| | 460 | | | | | | | | | | | | | | |
| | | | 464'-465' 2' 5-10% PY, TR PYR INCR IN PY DUE TO INCR IN FCT. | | | | | 0076 | | .040 | .040 | | | | |
| 465'-470' LT GRN-GY COLOR DUE TO ALT. ADJAC. TO CALC. VNLTS | | | | | | | 92 | | | | | | | | |
| | | | | | 10 | 10 | | 0077 | | .030 | .030 | | | | |
| | 470 | | | | | | | | | | | | | | |
| | | | | | | | | 0078 | | .035 | .035 | | | | |