BROLIN MINING CORPORATION
BLAST HOLE ORE TYPE

PATTERN 5-15-12

DATE 8-17-90

| NO. | SULF. | MIX | OXIDE | NO. | SULF. | MIX | OXIDE | NO. | SULF. | MIX | OXIDE | NO. | SULF | MIX | OXIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 424 | X | | | 534 | | X | | 631 | X | | | | | | |
| 425 | | | X | 535 | | | X | 632 | X | | | | | | |
| 426 | | | X | 536 | X | | | 633 | X | | | | | | |
| 427 | | | X | | | | | 634 | | X | | | | | |
| 428 | | | X | 556 | | X | | 635 | X | | | | | | |
| 429 | | | X | 557 | X | | | 636 | X | | | | | | |
| 430 | | | X | | | | | 637 | X | | | | | | |
| 431 | | | X | 578 | X | | | 638 | X | | | | | | |
| 432 | | | X | | | | | 639 | X | | | | | | |
| | | | | 600 | X | | | | | | | | | | |
| 446 | | | X | 601 | X | | | | | | | | | | |
| 447 | | | X | 602 | X | | | | | | | | | | |
| 448 | | | X | 603 | X | | | | | | | | | | |
| 449 | | | X | 604 | X | | | | | | | | | | |
| 450 | | | X | 605 | X | | | | | | | | | | |
| 451 | | | X | 606 | X | | | | | | | | | | |
| 452 | | X | | 607 | X | | | | | | | | | | |
| 453 | | | X | 608 | X | | | | | | | | | | |
| | | | | 609 | X | | | | | | | | | | |
| 468 | | | X | 610 | | | X | | | | | | | | |
| 469 | | | X | 611 | | | X | | | | | | | | |
| 470 | | | X | 612 | | | X | | | | | | | | |
| 471 | | | X | 613 | | | X | | | | | | | | |
| 472 | | X | | 614 | | X | | | | | | | | | |
| 473 | | X | | 615 | | | X | | | | | | | | |
| 474 | | | X | 616 | | X | | | | | | | | | |
| | | | | 617 | | X | | | | | | | | | |
| 490 | | | X | 618 | | X | | | | | | | | | |
| 491 | | | X | 619 | | X | | | | | | | | | |
| 492 | X | | | 620 | | | X | | | | | | | | |
| 493 | X | | | 621 | | | X | | | | | | | | |
| 494 | X | | | 622 | | X | | | | | | | | | |
| 495 | | | | 623 | | X | | | | | | | | | |
| | | | | 624 | | X | | | | | | | | | |
| 512 | | X | | 625 | | | X | | | | | | | | |
| 513 | | | X | 626 | | | X | | | | | | | | |
| 514 | | X | | 627 | | | X | | | | | | | | |
| 515 | X | | | 628 | | | X | | | | | | | | |
| | | | | 629 | | | X | | | | | | | | |
| | | | | 630 | | | X | | | | | | | | |

Gilt Edge Project

Pit-Bench-Pattern #
5-15-12

Submittal Date
8-13-90 1:30 PM

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 8/14/90

NAME: Chad a

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 1 | .052 | .022 | 25. | Standard ✓ | | .014 |
| 2. | 21 | .046 | .022 | 26. | 303 (1) | .038 | .039 |
| 3. | 22 | .033 | .018 | 27. | 303 (2) | | .038 |
| 4. | 201 | | .043 | 28. | 304 | | .035 |
| 5. | 221 | | .037 | 29. | 305 | | .042 |
| 6. | 222 | | .062 | 30. | 306 | | .026 |
| 7. | 241 | | .060 | 31. | 321 | | .016 |
| 8. | Standard ✓ | | .015 | 32. | 322 | | .010 |
| 9. | 242 | | .022 | 33. | | | |
| 10. | 243 | | .046 | 34. | | | |
| 11. | 261 | | .030 | 35. | 323 | | .050 |
| 12. | 262 | .031 | .030 | 36. | 324 | | .073 |
| 13. | 263 | | .046 | 37. | 325 | | .026 |
| 14. | 264 | | .033 | 38. | 326 | | .024 |
| 15. | 281 | | .080 | 39. | 327 | .027 | .029 |
| 16. | | | | 40. | 367 | | .023 |
| 17. | | | | 41. | 388 | | .006 |
| 18. | ✓6 | | .028 | 42. | Standard ✓ | | .015 |
| 19. | 282 | | .022 | 43. | | | |
| 20. | 283 | | .076 | 44. | | | |
| 21. | 284 | .121 | .125 | 45. | | | |
| 22. | 285 | | .033 | 46. | | | |
| 23. | 301 | | .076 | 47. | | | |
| 24. | 302 | | .031 | 48. | | | |

RERU finish

BM 8-21-90

Gilt Edge Project

0/2

Pit-Bench-Pattern #
5-15-12

Submittal Date
8-16-90 1:15 PM

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 8/17/90

NAME: Chad G VD

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 23 | .026 | .021 | 25. | Standard ✓ | | .015 |
| 2. | 44 | | .009 | 26. | 403(1) | | .015 |
| 3. | 45 | .024 | .020 | 27. | 403(2) | | .015 |
| 4. | 341 | | .012 | 28. | 404 | | .032 |
| 5. | 342 | | .048 | 29. | 405 | .005 | 005 |
| 6. | 343 | | .074 | 30. | 406 | .043 | .041 |
| 7. | 344 | | .031 | 31. | 424 | | .010 |
| 8. | Standard ✓ | | .015 | 32. | 425 | | .011 |
| 9. | 345 | | .032 | 33. | | | |
| 10. | 346 | .100 | .090 | 34. | | | |
| 11. | 347 | .019 | .017 | 35. | 426 | | .017 |
| 12. | 348 | | .017 | 36. | 427 | | .015 |
| 13. | 361 | | .022 | 37. | 515 | | .013 |
| 14. | 362 | | .022 | 38. | 536 | .010 | .009 |
| 15. | 363 | | .042 | 39. | 557 | | .007 |
| 16. | | | | 40. | 578 | | .005 |
| 17. | | | | 41. | 607 | | .005 |
| 18. | 364 | | .082 | 42. | Standard ✓ | | .015 |
| 19. | 381 | | .017 | 43. | 608 | | .013 |
| 20. | 382 | | .013 | 44. | 609 | .079 | .077 |
| 21. | 383 | | .007 | 45. | 610 | .014 | .013 |
| 22. | 384 | .036 | .036 | 46. | 611 | | .059 |
| 23. | 385 | | .022 | 47. | 612 | | .027 |
| 24. | 402 | .025 | .024 | 48. | | Std. ✓ | .015 |

X - BM
MW 8-28-90

Gilt Edge Project

0/2

Pit-Bench-Pattern #
5-15-12

Submittal Date
8-14-90

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 8/15/90

NAME: Chad a VD

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 41 | .035 | .026 | 25. | Standard ✓ | | .015 |
| 2. | 42 | .082 | .077 | 26. | 124(1) | .016 | .015 |
| 3. | 43 | | .030 | 27. | 124(2) | | .015 |
| 4. | 61 | | .039 | 28. | 125 | | .004 |
| 5. | 62 | | .028 | 29. | 141 | | .038 |
| 6. | 63 | .020 | .019 | 30. | 142 | | .077 |
| 7. | 64 | | .014 | 31. | 143 | | .034 |
| 8. | Standard ✓ | | .015 | 32. | 144 | | .051 |
| 9. | 81 | | .016 | 33. | | | |
| 10. | 82 | | .009 | 34. | | | |
| 11. | 83 | | .019 | 35. | 145 | .014 | .015 |
| 12. | 84 | .015 | .011 | 36. | 146 | | .012 |
| 13. | 85 | | .005 | 37. | 166 | | .025 |
| 14. | 101 | | .016 | 38. | 387 | | .018 |
| 15. | 102 | | .016 | 39. | 408 | .008 | .007 |
| 16. | | | | 40. | 409 | | .010 |
| 17. | | | | 41. | 429 | | .009 |
| 18. | V6 | | .030 | 42. | Standard ✓ | | .015 |
| 19. | 103 | | .013 | 43. | 430 | | .007 |
| 20. | 104 | | .005 | 44. | 450 | | .012 |
| 21. | 105 | | .006 | 45. | 451 | | .006 |
| 22. | 121 | | .019 | 46. | 471 | .024 | .023 |
| 23. | 122 | | .023 | 47. | 472 | | .013 |
| 24. | 123 | | .034 | 48. | | std ✓ | .014 |

BM 8-28-90

Gilt Edge Project

0/2

Pit-Bench-Pattern 8
5-15-12

Submittal Date
8-15-90 1:30PM

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 8/16/90

NAME: Chad a

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 161 | .092 | .089 | 25. | Standard ✓ | | .014 |
| 2. | 162 | | .087 | 26. | 227(1) | .018 | .017 |
| 3. | 163 | | .060 | 27. | 227(2) | | .019 |
| 4. | 164 | | .028 | 28. | 244 | | .067 |
| 5. | 165 | | .047 | 29. | 245 | | .119 |
| 6. | 181 | | .029 | 30. | 246 | | .044 |
| 7. | 182 | | .086 | 31. | 247 | | .026 |
| 8. | Standard ✓ | | .015 | 32. | 265 | | .059 |
| 9. | 183 | | .095 | 33. | | | |
| 10. | 184 | | .042 | 34. | | | |
| 11. | 185 | | .032 | 35. | 266 | | .038 |
| 12. | 186 | .031 | .029 | 36. | 267 | | .038 |
| 13. | 202 | | .052 | 37. | 286 | | .055 |
| 14. | 203 | | .116 | 38. | 287 | | .076 |
| 15. | 204 | | .111 | 39. | 307 | .025 | .026 |
| 16. | | | | 40. | 308 | | .042 |
| 17. | | | | 41. | 328 | | .020 |
| 18. | V6 | | .026 | 42. | Standard ✓ | | .015 |
| 19. | 205 | | .077 | 43. | 349 | | .007 |
| 20. | 206 | | .077 | 44. | 365 | | .052 |
| 21. | 223 | | .056 | 45. | 366 | .016 | .014 |
| 22. | 224 | | .165 | 46. | 386 | | .023 |
| 23. | 225 | | .036 | 47. | 389 | | .007 |
| 24. | 226 | | .020 | 48. | Standard ✓ | | .015 |

X - BMM 8-21-90

Gilt Edge Project

Pit-Bench-Pattern # 5-15-12

Submittal Date 8-15-90 1:30 PM

BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 8/16/90

NAME: Chad A

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 390 | | .038 | 25. | Standard ✓ | | .015 |
| 2. | 407 | | .028 | 26. | 494(1) | | .008 |
| 3. | 410 | .014 | .013 | 27. | 494(2) | | .007 |
| 4. | 411 | | .015 | 28. | 512 | | .024 |
| 5. | 428 | | .005 | 29. | 600 | .002 | .003 |
| 6. | 431 | | .012 | 30. | 601 | | .005 |
| 7. | 432 | .061 | .059 | 31. | 602 | | .006 |
| 8. | Standard ✓ | | .015 | 32. | 603 | | .008 |
| 9. | 446 | | .012 | 33. | | | |
| 10. | 447 | | .013 | 34. | | | |
| 11. | 448 | .073 | .074 | 35. | 604 | .062 | .053 |
| 12. | 449 | | .011 | 36. | 605 | | .011 |
| 13. | 452 | | .017 | 37. | 606 | | .005 |
| 14. | 453 | .015 | .015 | 38. | 368 | | .046 |
| 15. | 468 | | .017 | 39. | 369 | | .053 |
| 16. | | | | 40. | 370 | .010 | .007 |
| 17. | | | | 41. | | ✓ s.D | .015 |
| 18. | V6 | | .028 | 42. | ~~Standard ✓~~ | | |
| 19. | 469 | | .018 | 43. | | | |
| 20. | 470 | | .022 | 44. | | | |
| 21. | 473 | | .022 | 45. | | | |
| 22. | 474 | .011 | .009 | 46. | | | |
| 23. | 490 | | .010 | 47. | | | |
| 24. | 491 | | .038 | 48. | | | |

MW ✓ BM 8-28-90

Gilt Edge Project

Pit-Bench-Pattern # 5-15-12

Submittal Date 8-14-90

BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 8/15/90

NAME: Chad a

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 492 | | .016 | 25. | Standard ✓ | | |
| 2. | 493 | | .010 | 26. | | | |
| 3. | 513 | .087 | .083 | 27. | | | |
| 4. | 514 | .019 | .016 | 28. | | | |
| 5. | 534 | .030 | .025 | 29. | | | |
| 6. | 535 | | .031 | 30. | | | |
| 7. | 556(1) | .041 | .036 | 31. | | | |
| 8. | Standard ✓ | | .015 | 32. | | | |
| 9. | 556(2) | | .035 | 33. | | | |
| 10. | V6 | | .029 | 34. | | | |
| 11. | 303(1) | | .039 | 35. | | | |
| 12. | 303(2) | | .038 | 36. | | | |
| 13. | A | | | 37. | | | |
| 14. | | | | 38. | | | |
| 15. | | | | 39. | | | |
| 16. | | | | 40. | | | |
| 17. | | | | 41. | | | |
| 18. | | | | 42. | Standard ✓ | | |
| 19. | | | | 43. | | | |
| 20. | | | | 44. | | | |
| 21. | | | | 45. | | | |
| 22. | | | | 46. | | | |
| 23. | | | | 47. | | | |
| 24. | | | | 48. | | | |

Rerun

✓ BM 8-21-90

Gilt Edge Project

Pit-Bench-Pattern #
5-15-12

Submittal Date
8-16-90 1:15 PM

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 8/17/90

NAME: Chad a VO

| | SAMPLE | FIRE Au. | NaCN Au. | | SAMPLE | FIRE Au. | NaCN Au. |
|---|---|---|---|---|---|---|---|
| 1. | 613 | | .007 | 25. | Standard ✓ | | .015 |
| 2. | 614 | .004 | .004 | 26. | 634(1) | | .004 |
| 3. | 615 | | .002 | 27. | 634(2) | | .004 |
| 4. | 616 | | .006 | 28. | 635 | | .008 |
| 5. | 617 | .026 | .022 | 29. | 636 | | .006 |
| 6. | 618 | | .009 | 30. | 637 | | .009 |
| 7. | 619 | | .015 | 31. | 638 | | .012 |
| 8. | Standard ✓ | | .014 | 32. | 639 | | .015 |
| 9. | 620 | | .012 | 33. | [redacted] | | |
| 10. | 621 | | .015 | 34. | | | |
| 11. | 622 | | .008 | 35. | Standard ✓ | | .015 |
| 12. | 623 | .012 | .008 | 36. | | | |
| 13. | 624 | | .013 | 37. | | | |
| 14. | 625 | | .012 | 38. | | | |
| 15. | 626 | .021 | .020 | 39. | | | |
| 16. | [redacted] | | | 40. | | | |
| 17. | | | | 41. | | | |
| 18. | 627 | | .004 | 42. | Standard ✓ | | |
| 19. | 628 | | .013 | 43. | | | |
| 20. | 629 | | .027 | 44. | | | |
| 21. | 630 | .027 | .026 | 45. | | | |
| 22. | 631 | .010 | .005 | 46. | | | |
| 23. | 632 | | .003 | 47. | | | |
| 24. | 633 | .007 | .008 | 48. | | | |

MW
8-21-90