



Sketch Showing Mine Map of the EMIG MINES Sold (Leased) to PAUL PERCIVAL situated on the "Cadwalder Estate" Wt. Nos. 1754 & 1760 and the "Briening Estate" Wt. Nos. 1755 & 1756 situated in Coogan House Twp. Lycoming Co., Penna. Surveyed by Grantland L. Maneyal Consulting Engineer Lyc. County Surveyor

Legend
 Open Pits A' thru U'
 Mountain Roads
 Open Mines
 Approx. 164 Acres within Extreme Outcrop Area.

Road Traverse Bearings & Distances

1. N 9° 15' E 154.7'	21f. N 48° 45' W 163.3'	38b. S 47° 30' W 64.6'
2. N 25° 20' E 205.3'	22. N 6° 30' W 290.4'	38c. N 74° 45' W 84.2'
3. N 21° 30' W 171.0'	23. N 80° 00' W 189.8'	38d. N 31° 00' W 90.8'
4. N 10° 50' W 122.4'	24. N 6° 00' W 153.6'	38e. S 65° 40' W 154.4'
5. N 32° 00' W 201.1'	25. N 43° 30' W 150.3'	38f. S 38° 15' W 297.5'
6. N 12° 50' W 133.6'	26. S 47° 00' W 164.2'	38g. S 27° 30' W 203.4'
7. Due North 143.9'	27. S 23° 30' W 132.0'	38h. S 61° 00' W 95.2'
8. N 47° 30' W 228.9'	28. S 86° 20' W 318.0'	38i. S 20° 15' W 235.5'
9. Due North 209.4'	29. N 57° 00' E 191.3'	38j. S 5° 30' W 149.7'
10. N 32° 45' W 117.0'	30. N 71° 00' E 151.2'	39. N 40° 00' W 101.6'
11. N 11° 30' E 314.7'	31. S 42° 45' W 322.5'	40. N 22° 30' W 92.2'
12. N 52° 30' E 135.2'	32. N 31° 15' W 156.2'	40a. N 57° 45' E 243.0'
13. N 79° 20' E 173.9'	33. S 64° 00' W 181.8'	41. N 8° 00' W 230.4'
14. N 53° 20' E 315.3'	34. N 53° 15' W 106.0'	42. N 10° 15' E 191.9'
15. N 76° 00' W 73.9'	35. S 61° 30' W 166.0'	43. N 1° 30' W 129.0'
16. N 74° 15' W 143.1'	36. S 16° 45' W 108.8'	44. N 47° 30' E 67.5'
17. N 52° 45' W 170.9'	37. S 17° 20' W 128.0'	45. N 63° 30' E 226.9'
18. N 77° 50' E 203.7'	38. S 29° 40' E 459.8'	46. N 50° 30' E 145.9'
19. N 47° 30' E 181.0'	39. N 72° 30' E 330.5'	46a. N 32° 00' E 275.1'
20. N 20° 30' E 234.8'	40. N 88° 20' E 199.3'	47. N 35° 30' E 110.8'
21. N 11° 10' W 251.6'	41. S 1° 20' E 287.8'	48. S 32° 00' E 217.7'
22. N 23° 30' W 148.7'	42. S 33° 30' W 84.0'	48a. N 6° 00' W 85.1'
23. S 36° 45' W 270.3'	43. S 65° 20' W 101.0'	49. N 63° 45' E 38.3'
24. N 12° 15' E 249.7'	44. S 28° 30' E 256.6'	50. N 75° 20' E 107.5'
25. N 22° 30' E 151.5'	45. S 74° 30' E 270.3'	51. N 41° 30' E 146.2'
26. S 62° 15' W 230.7'	46. S 16° 00' E 63.7'	52. N 51° 15' E 247.4'
27. N 58° 30' E 321.0'	47. S 22° 00' W 82.2'	53. N 42° 30' E 97.5'
28. N 69° 00' E 273.4'	48. S 26° 00' E 140.6'	54. S 48° 40' E 137.4'
29. N 53° 40' E 400.6'	49. N 44° 15' W 244.7'	55. N 69° 45' E 217.6'
30. N 16° 30' E 145.5'	50. S 65° 00' W 337.2'	56. N 33° 45' E 76.6'

57. N 40° 00' E 311.0'	63. S 81° 45' E 261.4'	72. N 76° 20' E 258.0'
58. N 7° 15' E 252.6'	64. N 74° 00' E 315.7'	73. S 39° 40' E 176.7'
58a. Due West 222.0'	65. S 88° 30' E 159.2'	73a. N 33° 00' E 351.6'
58b. N 73° 00' W 35.5'	66. N 41° 05' E 333.5'	74. S 67° 30' E 250.0'
58c. N 34° 00' W 117.4'	66a. S 57° 20' E 148.6'	75. S 80° 45' E 268.1'
58d. N 16° 15' E 136.7'	66b. N 59° 30' E 303.2'	76. S 81° 10' E 462.7'
59. N 11° 15' E 242.4'	67. N 45° 30' E 371.1'	77. S 77° 20' E 505.1'
59a. N 1° 15' E 431.4'	68. N 15° 45' E 132.9'	78. N 67° 30' E 282.7'
60. N 73° 45' E 118.6'	69. S 55° 00' E 78.1'	79. S 58° 15' E 342.1'
61. N 46° 45' E 147.0'	70. S 57° 20' E 487.4'	80. S 44° 00' W 123.5'
62. N 55° 45' E 165.2'	71. N 56° 30' E 127.1'	