

## PROJETO PONTAL NORTE - RESERVA LEGAL ÁREA 08

### Cálculo analítico de Área, Azimutes, Lados, Coordenadas Geográficas e UTM

Imóvel: TABELA DE COORDENADAS

Município: Petrolina - PE

Datum: SIRGAS2000

Meridiano Central: 39°00 Fuso 24

| De         | Para       | Coord. N(Y)  | Coord. E(X) | Azimute    | Distância |
|------------|------------|--------------|-------------|------------|-----------|
| P1627      | P1628      | 9.007.999,46 | 332.188,76  | 111°03'59" | 370,98 m  |
| P1628      | P1629      | 9.007.866,11 | 332.534,95  | 217°59'39" | 336,41 m  |
| P1629      | P1630      | 9.007.600,99 | 332.327,86  | 214°11'20" | 381,39 m  |
| P1630      | P1631      | 9.007.285,51 | 332.113,55  | 123°29'41" | 373,45 m  |
| P1631      | P1634      | 9.007.079,42 | 332.424,98  | 205°27'05" | 127,47 m  |
| AFX-M-EU47 | P1632      | 9.006.964,32 | 332.370,20  | 201°54'31" | 32,72 m   |
| P1632      | P1633      | 9.006.933,96 | 332.357,99  | 212°52'08" | 94,82 m   |
| P1633      | P1634      | 9.006.854,32 | 332.306,53  | 212°55'02" | 87,59 m   |
| P1634      | P1635      | 9.006.780,79 | 332.258,93  | 212°57'29" | 80,53 m   |
| P1635      | P1636      | 9.006.713,22 | 332.215,12  | 212°59'20" | 73,67 m   |
| P1636      | P1637      | 9.006.651,43 | 332.175,01  | 212°59'34" | 66,99 m   |
| P1637      | P1638      | 9.006.595,24 | 332.138,53  | 212°58'32" | 60,48 m   |
| P1638      | P1639      | 9.006.544,50 | 332.105,61  | 212°55'49" | 54,17 m   |
| P1639      | P1640      | 9.006.499,03 | 332.076,16  | 212°50'36" | 48,05 m   |
| P1640      | P1641      | 9.006.458,66 | 332.050,10  | 212°41'55" | 42,15 m   |
| P1641      | P1642      | 9.006.423,19 | 332.027,33  | 212°34'23" | 36,70 m   |
| P1642      | P1643      | 9.006.392,26 | 332.007,57  | 212°29'51" | 31,72 m   |
| P1643      | P1644      | 9.006.365,51 | 331.990,53  | 212°29'38" | 27,23 m   |
| P1644      | P1645      | 9.006.342,54 | 331.975,90  | 212°36'33" | 23,23 m   |
| P1645      | P1646      | 9.006.322,97 | 331.963,38  | 212°54'29" | 19,71 m   |
| P1646      | P1647      | 9.006.306,42 | 331.952,67  | 213°30'33" | 16,68 m   |
| P1647      | P1648      | 9.006.292,51 | 331.943,46  | 214°27'15" | 14,14 m   |
| P1648      | P1649      | 9.006.280,85 | 331.935,46  | 215°52'50" | 12,05 m   |
| P1649      | P1650      | 9.006.271,09 | 331.928,40  | 217°30'52" | 10,31 m   |
| P1650      | P1651      | 9.006.262,91 | 331.922,12  | 219°05'38" | 8,86 m    |
| P1651      | P1652      | 9.006.256,03 | 331.916,53  | 220°38'30" | 7,72 m    |
| P1652      | P1653      | 9.006.250,17 | 331.911,50  | 221°45'05" | 6,86 m    |
| P1653      | P1654      | 9.006.245,05 | 331.906,93  | 221°58'25" | 6,29 m    |
| P1654      | P1655      | 9.006.240,37 | 331.902,72  | 221°21'54" | 6,02 m    |
| P1655      | P1656      | 9.006.235,85 | 331.898,74  | 219°41'02" | 6,03 m    |
| P1656      | P1657      | 9.006.231,21 | 331.894,89  | 217°09'03" | 6,52 m    |
| P1657      | P1658      | 9.006.226,01 | 331.890,95  | 214°21'00" | 8,19 m    |
| P1658      | P1659      | 9.006.219,25 | 331.886,33  | 212°28'30" | 11,25 m   |
| P1659      | P1660      | 9.006.209,76 | 331.880,29  | 211°19'38" | 15,68 m   |
| P1660      | P1661      | 9.006.196,37 | 331.872,14  | 210°47'06" | 21,45 m   |
| P1661      | P1662      | 9.006.177,94 | 331.861,16  | 210°30'37" | 28,60 m   |
| P1662      | P1663      | 9.006.153,30 | 331.846,64  | 210°23'59" | 37,11 m   |
| P1663      | P1664      | 9.006.121,29 | 331.827,86  | 210°20'11" | 46,98 m   |
| P1664      | AFX-M-EU41 | 9.006.080,74 | 331.804,13  | 226°03'53" | 15,22 m   |
| AFX-M-EU41 | P1665      | 9.006.070,18 | 331.793,17  | 212°22'41" | 92,06 m   |
| P1665      | P1666      | 9.005.992,43 | 331.743,87  | 324°44'17" | 36,70 m   |
| P1666      | P1667      | 9.006.022,40 | 331.722,68  | 296°38'30" | 16,73 m   |
| P1667      | P1668      | 9.006.029,90 | 331.707,73  | 299°49'24" | 1,81 m    |
| P1668      | P1669      | 9.006.030,80 | 331.706,16  | 302°13'44" | 1,09 m    |
| P1669      | P1670      | 9.006.031,38 | 331.705,24  | 305°32'16" | 1,20 m    |
| P1670      | P1671      | 9.006.032,08 | 331.704,26  | 307°27'24" | 1,56 m    |
| P1671      | P1672      | 9.006.033,03 | 331.703,02  | 308°49'24" | 1,64 m    |
| P1672      | P1673      | 9.006.034,06 | 331.701,74  | 310°14'11" | 1,70 m    |
| P1673      | P1674      | 9.006.035,16 | 331.700,44  | 311°14'41" | 1,84 m    |
| P1674      | P1675      | 9.006.036,37 | 331.699,06  | 312°00'29" | 2,03 m    |
| P1675      | P1676      | 9.006.037,73 | 331.697,55  | 312°32'27" | 2,31 m    |
| P1676      | P1677      | 9.006.039,29 | 331.695,85  | 312°29'49" | 2,59 m    |
| P1677      | P1678      | 9.006.041,04 | 331.693,94  | 312°08'59" | 4,98 m    |
| P1678      | P1679      | 9.006.044,38 | 331.690,25  | 310°06'26" | 7,30 m    |
| P1679      | P1680      | 9.006.049,08 | 331.684,67  | 306°21'41" | 6,31 m    |
| P1680      | P1681      | 9.006.052,82 | 331.679,59  | 304°05'31" | 4,75 m    |
| P1681      | P1682      | 9.006.055,48 | 331.675,66  | 301°33'17" | 4,99 m    |

## PROJETO PONTAL NORTE - RESERVA LEGAL ÁREA 08

|       |       |              |            |            |        |
|-------|-------|--------------|------------|------------|--------|
| P1682 | P1683 | 9.006.058,09 | 331.671,41 | 298°58'47" | 5,20 m |
| P1683 | P1684 | 9.006.060,61 | 331.666,86 | 296°16'32" | 5,31 m |
| P1684 | P1685 | 9.006.062,96 | 331.662,10 | 293°48'21" | 5,20 m |
| P1685 | P1686 | 9.006.065,06 | 331.657,34 | 291°53'45" | 6,76 m |
| P1686 | P1687 | 9.006.067,58 | 331.651,07 | 289°34'13" | 8,30 m |
| P1687 | P1688 | 9.006.070,36 | 331.643,25 | 289°03'36" | 8,11 m |
| P1688 | P1689 | 9.006.073,01 | 331.635,58 | 289°13'31" | 4,59 m |
| P1689 | P1690 | 9.006.074,52 | 331.631,25 | 289°34'51" | 4,74 m |
| P1690 | P1691 | 9.006.076,11 | 331.626,78 | 290°14'10" | 5,03 m |
| P1691 | P1692 | 9.006.077,85 | 331.622,06 | 290°40'48" | 5,41 m |
| P1692 | P1693 | 9.006.079,76 | 331.617,00 | 291°03'57" | 5,79 m |
| P1693 | P1694 | 9.006.081,84 | 331.611,60 | 291°27'14" | 6,12 m |
| P1694 | P1695 | 9.006.084,08 | 331.605,90 | 291°48'05" | 6,46 m |
| P1695 | P1696 | 9.006.086,48 | 331.599,90 | 291°58'28" | 6,76 m |
| P1696 | P1697 | 9.006.089,01 | 331.593,63 | 292°16'10" | 7,05 m |
| P1697 | P1698 | 9.006.091,68 | 331.587,11 | 292°28'10" | 7,33 m |
| P1698 | P1699 | 9.006.094,48 | 331.580,34 | 292°34'24" | 7,58 m |
| P1699 | P1700 | 9.006.097,39 | 331.573,34 | 292°39'55" | 7,76 m |
| P1700 | P1701 | 9.006.100,38 | 331.566,18 | 292°38'53" | 7,79 m |
| P1701 | P1702 | 9.006.103,38 | 331.558,99 | 292°36'51" | 7,72 m |
| P1702 | P1703 | 9.006.106,35 | 331.551,86 | 292°22'48" | 7,54 m |
| P1703 | P1704 | 9.006.109,22 | 331.544,89 | 292°12'45" | 7,25 m |
| P1704 | P1705 | 9.006.111,96 | 331.538,18 | 291°40'39" | 6,88 m |
| P1705 | P1706 | 9.006.114,50 | 331.531,79 | 291°06'28" | 6,44 m |
| P1706 | P1707 | 9.006.116,82 | 331.525,78 | 290°12'21" | 5,94 m |
| P1707 | P1708 | 9.006.118,87 | 331.520,21 | 289°02'09" | 5,43 m |
| P1708 | P1709 | 9.006.120,64 | 331.515,08 | 287°38'25" | 5,02 m |
| P1709 | P1710 | 9.006.122,16 | 331.510,30 | 286°10'54" | 4,66 m |
| P1710 | P1711 | 9.006.123,46 | 331.505,82 | 284°22'04" | 6,29 m |
| P1711 | P1712 | 9.006.125,02 | 331.499,73 | 281°03'54" | 6,88 m |
| P1712 | P1713 | 9.006.126,34 | 331.492,98 | 278°50'02" | 6,45 m |
| P1713 | P1714 | 9.006.127,33 | 331.486,61 | 276°26'15" | 6,51 m |
| P1714 | P1715 | 9.006.128,06 | 331.480,14 | 272°47'20" | 7,40 m |
| P1715 | P1716 | 9.006.128,42 | 331.472,75 | 268°25'29" | 8,00 m |
| P1716 | P1717 | 9.006.128,20 | 331.464,75 | 263°46'32" | 8,21 m |
| P1717 | P1718 | 9.006.127,31 | 331.456,59 | 259°38'19" | 8,17 m |
| P1718 | P1719 | 9.006.125,84 | 331.448,55 | 255°46'40" | 8,22 m |
| P1719 | P1720 | 9.006.123,82 | 331.440,58 | 251°49'30" | 8,37 m |
| P1720 | P1721 | 9.006.121,21 | 331.432,63 | 247°36'57" | 7,85 m |
| P1721 | P1722 | 9.006.118,22 | 331.425,37 | 244°10'10" | 6,98 m |
| P1722 | P1723 | 9.006.115,18 | 331.419,09 | 242°22'51" | 6,32 m |
| P1723 | P1724 | 9.006.112,25 | 331.413,49 | 242°51'53" | 1,80 m |
| P1724 | P1725 | 9.006.111,43 | 331.411,89 | 243°15'27" | 1,44 m |
| P1725 | P1726 | 9.006.110,78 | 331.410,60 | 244°41'55" | 1,22 m |
| P1726 | P1727 | 9.006.110,26 | 331.409,50 | 245°53'09" | 1,15 m |
| P1727 | P1728 | 9.006.109,79 | 331.408,45 | 247°04'04" | 1,13 m |
| P1728 | P1729 | 9.006.109,35 | 331.407,41 | 249°02'03" | 1,15 m |
| P1729 | P1730 | 9.006.108,94 | 331.406,34 | 249°53'38" | 1,19 m |
| P1730 | P1731 | 9.006.108,53 | 331.405,22 | 251°42'26" | 1,27 m |
| P1731 | P1732 | 9.006.108,13 | 331.404,01 | 253°15'40" | 1,39 m |
| P1732 | P1733 | 9.006.107,73 | 331.402,68 | 254°34'40" | 1,50 m |
| P1733 | P1734 | 9.006.107,33 | 331.401,23 | 255°57'50" | 1,57 m |
| P1734 | P1735 | 9.006.106,95 | 331.399,71 | 257°28'16" | 1,57 m |
| P1735 | P1736 | 9.006.106,61 | 331.398,18 | 259°24'10" | 1,58 m |
| P1736 | P1737 | 9.006.106,32 | 331.396,63 | 260°56'14" | 1,65 m |
| P1737 | P1738 | 9.006.106,06 | 331.395,00 | 263°04'44" | 1,74 m |
| P1738 | P1739 | 9.006.105,85 | 331.393,27 | 265°06'35" | 1,88 m |
| P1739 | P1740 | 9.006.105,69 | 331.391,40 | 266°54'49" | 2,04 m |
| P1740 | P1741 | 9.006.105,58 | 331.389,36 | 268°59'57" | 2,29 m |
| P1741 | P1742 | 9.006.105,54 | 331.387,07 | 271°02'44" | 2,74 m |
| P1742 | P1743 | 9.006.105,59 | 331.384,33 | 272°12'33" | 3,37 m |
| P1743 | P1744 | 9.006.105,72 | 331.380,96 | 273°27'34" | 3,98 m |
| P1744 | P1745 | 9.006.105,96 | 331.376,99 | 273°54'53" | 4,54 m |
| P1745 | P1746 | 9.006.106,27 | 331.372,46 | 274°10'56" | 5,07 m |
| P1746 | P1747 | 9.006.106,64 | 331.367,40 | 274°01'37" | 5,55 m |
| P1747 | P1748 | 9.006.107,03 | 331.361,86 | 273°43'08" | 6,01 m |
| P1748 | P1749 | 9.006.107,42 | 331.355,86 | 273°06'56" | 6,44 m |

## PROJETO PONTAL NORTE - RESERVA LEGAL ÁREA 08

|            |            |              |            |            |            |
|------------|------------|--------------|------------|------------|------------|
| P1749      | P1750      | 9.006.107,77 | 331.349,43 | 272°17'26" | 6,76 m     |
| P1750      | P1751      | 9.006.108,04 | 331.342,68 | 271°33'57" | 6,95 m     |
| P1751      | P1752      | 9.006.108,23 | 331.335,73 | 270°48'29" | 7,09 m     |
| P1752      | P1753      | 9.006.108,33 | 331.328,64 | 269°50'25" | 7,18 m     |
| P1753      | P1754      | 9.006.108,31 | 331.321,46 | 269°02'57" | 7,23 m     |
| P1754      | P1755      | 9.006.108,19 | 331.314,23 | 268°01'11" | 7,23 m     |
| P1755      | P1756      | 9.006.107,94 | 331.307,00 | 266°49'13" | 7,21 m     |
| P1756      | P1757      | 9.006.107,54 | 331.299,80 | 265°35'20" | 7,15 m     |
| P1757      | P1758      | 9.006.106,99 | 331.292,67 | 264°03'05" | 6,95 m     |
| P1758      | P1759      | 9.006.106,27 | 331.285,76 | 262°31'53" | 6,62 m     |
| P1759      | P1760      | 9.006.105,41 | 331.279,20 | 261°13'58" | 6,23 m     |
| P1760      | P1761      | 9.006.104,46 | 331.273,04 | 260°04'17" | 5,86 m     |
| P1761      | P1762      | 9.006.103,45 | 331.267,27 | 258°59'58" | 5,45 m     |
| P1762      | P1763      | 9.006.102,41 | 331.261,92 | 258°18'17" | 6,41 m     |
| P1763      | P1764      | 9.006.101,11 | 331.255,64 | 257°26'45" | 7,31 m     |
| P1764      | P1765      | 9.006.099,52 | 331.248,50 | 257°35'12" | 3,77 m     |
| P1765      | P1766      | 9.006.098,71 | 331.244,82 | 257°39'57" | 3,51 m     |
| P1766      | P1767      | 9.006.097,96 | 331.241,39 | 258°04'32" | 3,29 m     |
| P1767      | P1768      | 9.006.097,28 | 331.238,17 | 258°13'00" | 3,09 m     |
| P1768      | P1769      | 9.006.096,65 | 331.235,15 | 258°48'25" | 2,88 m     |
| P1769      | P1770      | 9.006.096,09 | 331.232,32 | 259°08'47" | 2,71 m     |
| P1770      | P1771      | 9.006.095,58 | 331.229,66 | 259°50'09" | 2,55 m     |
| P1771      | P1772      | 9.006.095,13 | 331.227,15 | 260°25'12" | 2,40 m     |
| P1772      | P1773      | 9.006.094,73 | 331.224,78 | 261°09'29" | 2,28 m     |
| P1773      | P1774      | 9.006.094,38 | 331.222,53 | 262°07'44" | 2,19 m     |
| P1774      | P1775      | 9.006.094,08 | 331.220,36 | 262°56'32" | 2,12 m     |
| P1775      | P1776      | 9.006.093,82 | 331.218,26 | 263°54'15" | 2,07 m     |
| P1776      | P1777      | 9.006.093,60 | 331.216,20 | 264°42'17" | 2,06 m     |
| P1777      | P1778      | 9.006.093,41 | 331.214,15 | 265°51'19" | 2,08 m     |
| P1778      | P1779      | 9.006.093,26 | 331.212,08 | 266°45'37" | 2,12 m     |
| P1779      | P1780      | 9.006.093,14 | 331.209,96 | 267°55'37" | 2,21 m     |
| P1780      | P1781      | 9.006.093,06 | 331.207,75 | 268°32'59" | 2,37 m     |
| P1781      | P1782      | 9.006.093,00 | 331.205,38 | 269°19'43" | 2,56 m     |
| P1782      | P1783      | 9.006.092,97 | 331.202,82 | 270°00'00" | 2,71 m     |
| P1783      | P1784      | 9.006.092,97 | 331.200,11 | 270°12'09" | 2,83 m     |
| P1784      | P1785      | 9.006.092,98 | 331.197,28 | 270°35'41" | 2,89 m     |
| P1785      | P1786      | 9.006.093,01 | 331.194,39 | 270°35'12" | 2,93 m     |
| P1786      | P1787      | 9.006.093,04 | 331.191,46 | 270°28'07" | 4,89 m     |
| P1787      | P1788      | 9.006.093,08 | 331.186,57 | 269°42'26" | 5,87 m     |
| P1788      | P1789      | 9.006.093,05 | 331.180,70 | 267°45'47" | 6,40 m     |
| P1789      | P1790      | 9.006.092,80 | 331.174,30 | 264°34'59" | 6,99 m     |
| P1790      | P1791      | 9.006.092,14 | 331.167,34 | 260°33'02" | 7,37 m     |
| P1791      | P1792      | 9.006.090,93 | 331.160,07 | 256°17'08" | 7,34 m     |
| P1792      | P1793      | 9.006.089,19 | 331.152,94 | 252°47'26" | 7,10 m     |
| P1793      | P1794      | 9.006.087,09 | 331.146,16 | 249°26'04" | 6,97 m     |
| P1794      | P1795      | 9.006.084,64 | 331.139,63 | 245°58'53" | 7,25 m     |
| P1795      | P1796      | 9.006.081,69 | 331.133,01 | 241°21'00" | 5,78 m     |
| P1796      | P1797      | 9.006.078,92 | 331.127,94 | 238°10'48" | 4,59 m     |
| P1797      | P1798      | 9.006.076,50 | 331.124,04 | 234°21'18" | 4,96 m     |
| P1798      | P1799      | 9.006.073,61 | 331.120,01 | 230°03'56" | 5,13 m     |
| P1799      | P1800      | 9.006.070,32 | 331.116,08 | 225°53'29" | 5,00 m     |
| P1800      | P1801      | 9.006.066,84 | 331.112,49 | 222°05'06" | 6,54 m     |
| P1801      | P1802      | 9.006.061,99 | 331.108,11 | 216°15'43" | 7,54 m     |
| P1802      | P1803      | 9.006.055,91 | 331.103,65 | 213°13'21" | 7,14 m     |
| P1803      | AFX-M-ES61 | 9.006.049,94 | 331.099,74 | 19°06'12"  | 1.832,17 m |
| AFX-M-ES61 | P1804      | 9.007.781,21 | 331.699,36 | 21°37'17"  | 16,55 m    |
| P1804      | P1805      | 9.007.796,60 | 331.705,46 | 109°06'16" | 380,55 m   |
| P1805      | P1627      | 9.007.672,05 | 332.065,05 | 20°41'56"  | 350,00 m   |

6.031,47 m

Área: 1.369.100,223 m<sup>2</sup> 136,9100 ha