





Planned Wellpath Report

WINDOM 02C (REV-A.0) PWP

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| REPORT SETUP INFORMATION |   |                  |                        |
|--------------------------|---|------------------|------------------------|
| Projection System        | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System  | WellArchitect® 6.0     |
| North Reference          | Grid  | User             | Martsam01              |
| Scale                    | 0.999960  | Report Generated | 6/4/2024 at 3:34:40 PM |
| Convergence at slot      | 0.43° East  | Database         | WA_Denver              |

| WELLPATH LOCATION     |                   |          |                  |                 |                        |               |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|---------------|
|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |               |
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude     |
| Slot Location         | -14.94            | 0.11     | 3183745.53       | 1383025.96      | 40.3829320°            | -104.8404160° |
| Facility Reference Pt |                   |          | 3183745.42       | 1383040.89      | 40.3829730°            | -104.8404160° |
| Field Reference Pt    |                   |          | 3296400.32       | 1413291.61      | 40.4630000°            | -104.4347500° |

| WELLPATH DATUM           |                                  |  |                   |
|--------------------------|----------------------------------|--|-------------------|
| Calculation method       | Minimum curvature                | (4998'GL+28.5'KB@5026'RKB) (RKB) to Facility Vertical Datum  | 5026.50ft         |
| Horizontal Reference Pt  | Slot                             | (4998'GL+28.5'KB@5026'RKB) (RKB) to Mean Sea Level   | 5026.50ft         |
| Vertical Reference Pt    | (4998'GL+28.5'KB@5026'RKB) (RKB) | (4998'GL+28.5'KB@5026'RKB) (RKB) to Ground Level at Slot (SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24)) | 5026.50ft         |
| MD Reference Pt          | (4998'GL+28.5'KB@5026'RKB) (RKB) | Section Origin   | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level                   | Section Azimuth  | 287.21°           |



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| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| WELLPATH DATA (166 stations) † = interpolated, ‡ = extrapolated station |                    |                |             |                   |               |              |            |              |                  |                |  |
|---|--------------------|----------------|-------------|-------------------|---------------|--------------|------------|--------------|------------------|----------------|--|
| MD<br>[ft]  | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude   | Longitude    | DLS<br>[°/100ft] | Comments       |  |
| 0.00†   | 0.000              | 4.461          | 0.00        | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 28.50   | 0.000              | 4.461          | 28.50       | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             | SHL            |  |
| 100.00†   | 0.000              | 4.461          | 100.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 200.00†   | 0.000              | 4.461          | 200.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 300.00†   | 0.000              | 4.461          | 300.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 400.00†   | 0.000              | 4.461          | 400.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 500.00†   | 0.000              | 4.461          | 500.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 600.00†   | 0.000              | 4.461          | 600.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             |                |  |
| 700.00  | 0.000              | 4.461          | 700.00      | 0.00              | 0.00          | 0.00         | 40.3829320 | -104.8404160 | 0.00             | End of Tangent |  |
| 800.00†   | 2.000              | 4.461          | 799.98      | 0.39              | 1.74          | 0.14         | 40.3829368 | -104.8404155 | 2.00             |                |  |
| 900.00†   | 4.000              | 4.461          | 899.84      | 1.54              | 6.96          | 0.54         | 40.3829511 | -104.8404139 | 2.00             |                |  |
| 1000.00†  | 6.000              | 4.461          | 999.45      | 3.46              | 15.65         | 1.22         | 40.3829749 | -104.8404112 | 2.00             |                |  |
| 1100.00†  | 8.000              | 4.461          | 1098.70     | 6.15              | 27.80         | 2.17         | 40.3830082 | -104.8404075 | 2.00             |                |  |
| 1200.00†  | 10.000             | 4.461          | 1197.47     | 9.61              | 43.39         | 3.39         | 40.3830510 | -104.8404027 | 2.00             |                |  |
| 1300.00†  | 12.000             | 4.461          | 1295.62     | 13.82             | 62.41         | 4.87         | 40.3831032 | -104.8403969 | 2.00             |                |  |
| 1400.00†  | 14.000             | 4.461          | 1393.06     | 18.79             | 84.84         | 6.62         | 40.3831647 | -104.8403900 | 2.00             |                |  |
| 1500.00†  | 16.000             | 4.461          | 1489.64     | 24.50             | 110.64        | 8.63         | 40.3832355 | -104.8403821 | 2.00             |                |  |
| 1600.00†  | 18.000             | 4.461          | 1585.27     | 30.95             | 139.79        | 10.91        | 40.3833155 | -104.8403731 | 2.00             |                |  |
| 1700.00†  | 20.000             | 4.461          | 1679.82     | 38.14             | 172.24        | 13.44        | 40.3834045 | -104.8403632 | 2.00             |                |  |
| 1767.61   | 21.352             | 4.461          | 1743.07     | 43.41             | 196.05        | 15.29        | 40.3834698 | -104.8403559 | 2.00             | Build (XS)     |  |
| 1800.00†  | 21.352             | 4.461          | 1773.24     | 46.01             | 207.80        | 16.21        | 40.3835020 | -104.8403523 | 0.00             |                |  |
| 1900.00†  | 21.352             | 4.461          | 1866.37     | 54.05             | 244.10        | 19.04        | 40.3836016 | -104.8403411 | 0.00             |                |  |
| 2000.00†  | 21.352             | 4.461          | 1959.51     | 62.09             | 280.40        | 21.87        | 40.3837012 | -104.8403300 | 0.00             |                |  |
| 2100.00†  | 21.352             | 4.461          | 2052.64     | 70.13             | 316.70        | 24.71        | 40.3838008 | -104.8403189 | 0.00             |                |  |
| 2200.00†  | 21.352             | 4.461          | 2145.78     | 78.17             | 353.00        | 27.54        | 40.3839004 | -104.8403077 | 0.00             |                |  |
| 2300.00†  | 21.352             | 4.461          | 2238.92     | 86.20             | 389.30        | 30.37        | 40.3839999 | -104.8402966 | 0.00             |                |  |
| 2400.00†  | 21.352             | 4.461          | 2332.05     | 94.24             | 425.60        | 33.20        | 40.3840995 | -104.8402855 | 0.00             |                |  |
| 2500.00†  | 21.352             | 4.461          | 2425.19     | 102.28            | 461.90        | 36.03        | 40.3841991 | -104.8402743 | 0.00             |                |  |
| 2600.00†  | 21.352             | 4.461          | 2518.32     | 110.32            | 498.20        | 38.87        | 40.3842987 | -104.8402632 | 0.00             |                |  |
| 2700.00†  | 21.352             | 4.461          | 2611.46     | 118.36            | 534.50        | 41.70        | 40.3843983 | -104.8402521 | 0.00             |                |  |
| 2800.00†  | 21.352             | 4.461          | 2704.60     | 126.39            | 570.80        | 44.53        | 40.3844978 | -104.8402409 | 0.00             |                |  |
| 2900.00†  | 21.352             | 4.461          | 2797.73     | 134.43            | 607.10        | 47.36        | 40.3845974 | -104.8402298 | 0.00             |                |  |
| 3000.00†  | 21.352             | 4.461          | 2890.87     | 142.47            | 643.40        | 50.19        | 40.3846970 | -104.8402187 | 0.00             |                |  |
| 3100.00†  | 21.352             | 4.461          | 2984.00     | 150.51            | 679.70        | 53.02        | 40.3847966 | -104.8402075 | 0.00             |                |  |
| 3200.00†  | 21.352             | 4.461          | 3077.14     | 158.55            | 716.00        | 55.86        | 40.3848962 | -104.8401964 | 0.00             |                |  |
| 3300.00†  | 21.352             | 4.461          | 3170.28     | 166.58            | 752.30        | 58.69        | 40.3849957 | -104.8401853 | 0.00             |                |  |
| 3400.00†  | 21.352             | 4.461          | 3263.41     | 174.62            | 788.60        | 61.52        | 40.3850953 | -104.8401741 | 0.00             |                |  |
| 3500.00†  | 21.352             | 4.461          | 3356.55     | 182.66            | 824.90        | 64.35        | 40.3851949 | -104.8401630 | 0.00             |                |  |
| 3600.00†  | 21.352             | 4.461          | 3449.68     | 190.70            | 861.20        | 67.18        | 40.3852945 | -104.8401518 | 0.00             |                |  |
| 3700.00†  | 21.352             | 4.461          | 3542.82     | 198.74            | 897.50        | 70.02        | 40.3853940 | -104.8401407 | 0.00             |                |  |
| 3800.00†  | 21.352             | 4.461          | 3635.95     | 206.77            | 933.80        | 72.85        | 40.3854936 | -104.8401296 | 0.00             |                |  |
| 3900.00†  | 21.352             | 4.461          | 3729.09     | 214.81            | 970.10        | 75.68        | 40.3855932 | -104.8401184 | 0.00             |                |  |
| 4000.00†  | 21.352             | 4.461          | 3822.23     | 222.85            | 1006.40       | 78.51        | 40.3856928 | -104.8401073 | 0.00             |                |  |
| 4100.00†  | 21.352             | 4.461          | 3915.36     | 230.89            | 1042.70       | 81.34        | 40.3857924 | -104.8400962 | 0.00             |                |  |
| 4200.00†  | 21.352             | 4.461          | 4008.50     | 238.93            | 1079.00       | 84.18        | 40.3858919 | -104.8400850 | 0.00             |                |  |



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| WELLPATH DATA (166 stations) † = interpolated, ‡ = extrapolated station |                    |                |             |                   |               |              |            |              |                  |          |  |
|---|--------------------|----------------|-------------|-------------------|---------------|--------------|------------|--------------|------------------|----------|--|
| MD<br>[ft]  | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude   | Longitude    | DLS<br>[°/100ft] | Comments |  |
| 4300.00†  | 21.352             | 4.461          | 4101.63     | 246.96            | 1115.30       | 87.01        | 40.3859915 | -104.8400739 | 0.00             |          |  |
| 4400.00†  | 21.352             | 4.461          | 4194.77     | 255.00            | 1151.60       | 89.84        | 40.3860911 | -104.8400628 | 0.00             |          |  |
| 4500.00†  | 21.352             | 4.461          | 4287.91     | 263.04            | 1187.90       | 92.67        | 40.3861907 | -104.8400516 | 0.00             |          |  |
| 4600.00†  | 21.352             | 4.461          | 4381.04     | 271.08            | 1224.20       | 95.50        | 40.3862903 | -104.8400405 | 0.00             |          |  |
| 4700.00†  | 21.352             | 4.461          | 4474.18     | 279.12            | 1260.50       | 98.33        | 40.3863898 | -104.8400294 | 0.00             |          |  |
| 4800.00†  | 21.352             | 4.461          | 4567.31     | 287.15            | 1296.80       | 101.17       | 40.3864894 | -104.8400182 | 0.00             |          |  |
| 4900.00†  | 21.352             | 4.461          | 4660.45     | 295.19            | 1333.10       | 104.00       | 40.3865890 | -104.8400071 | 0.00             |          |  |
| 5000.00†  | 21.352             | 4.461          | 4753.59     | 303.23            | 1369.40       | 106.83       | 40.3866886 | -104.8399960 | 0.00             |          |  |
| 5100.00†  | 21.352             | 4.461          | 4846.72     | 311.27            | 1405.70       | 109.66       | 40.3867882 | -104.8399848 | 0.00             |          |  |
| 5200.00†  | 21.352             | 4.461          | 4939.86     | 319.31            | 1442.00       | 112.49       | 40.3868877 | -104.8399737 | 0.00             |          |  |
| 5300.00†  | 21.352             | 4.461          | 5032.99     | 327.34            | 1478.30       | 115.33       | 40.3869873 | -104.8399626 | 0.00             |          |  |
| 5400.00†  | 21.352             | 4.461          | 5126.13     | 335.38            | 1514.59       | 118.16       | 40.3870869 | -104.8399514 | 0.00             |          |  |
| 5500.00†  | 21.352             | 4.461          | 5219.27     | 343.42            | 1550.89       | 120.99       | 40.3871865 | -104.8399403 | 0.00             |          |  |
| 5600.00†  | 21.352             | 4.461          | 5312.40     | 351.46            | 1587.19       | 123.82       | 40.3872861 | -104.8399292 | 0.00             |          |  |
| 5700.00†  | 21.352             | 4.461          | 5405.54     | 359.50            | 1623.49       | 126.65       | 40.3873856 | -104.8399180 | 0.00             |          |  |
| 5800.00†  | 21.352             | 4.461          | 5498.67     | 367.53            | 1659.79       | 129.48       | 40.3874852 | -104.8399069 | 0.00             |          |  |
| 5900.00†  | 21.352             | 4.461          | 5591.81     | 375.57            | 1696.09       | 132.32       | 40.3875848 | -104.8398957 | 0.00             |          |  |
| 6000.00†  | 21.352             | 4.461          | 5684.95     | 383.61            | 1732.39       | 135.15       | 40.3876844 | -104.8398846 | 0.00             |          |  |
| 6100.00†  | 21.352             | 4.461          | 5778.08     | 391.65            | 1768.69       | 137.98       | 40.3877839 | -104.8398735 | 0.00             |          |  |
| 6200.00†  | 21.352             | 4.461          | 5871.22     | 399.69            | 1804.99       | 140.81       | 40.3878835 | -104.8398623 | 0.00             |          |  |
| 6300.00†  | 21.352             | 4.461          | 5964.35     | 407.72            | 1841.29       | 143.64       | 40.3879831 | -104.8398512 | 0.00             |          |  |
| 6400.00†  | 21.352             | 4.461          | 6057.49     | 415.76            | 1877.59       | 146.48       | 40.3880827 | -104.8398401 | 0.00             |          |  |
| 6500.00†  | 21.352             | 4.461          | 6150.63     | 423.80            | 1913.89       | 149.31       | 40.3881823 | -104.8398289 | 0.00             |          |  |
| 6600.00†  | 21.352             | 4.461          | 6243.76     | 431.84            | 1950.19       | 152.14       | 40.3882818 | -104.8398178 | 0.00             |          |  |
| 6700.00†  | 21.352             | 4.461          | 6336.90     | 439.88            | 1986.49       | 154.97       | 40.3883814 | -104.8398067 | 0.00             |          |  |
| 6800.00†  | 21.352             | 4.461          | 6430.03     | 447.91            | 2022.79       | 157.80       | 40.3884810 | -104.8397955 | 0.00             |          |  |
| 6900.00†  | 21.352             | 4.461          | 6523.17     | 455.95            | 2059.09       | 160.63       | 40.3885806 | -104.8397844 | 0.00             |          |  |
| 7000.00†  | 21.352             | 4.461          | 6616.31     | 463.99            | 2095.39       | 163.47       | 40.3886802 | -104.8397733 | 0.00             |          |  |
| 7100.00†  | 21.352             | 4.461          | 6709.44     | 472.03            | 2131.69       | 166.30       | 40.3887797 | -104.8397621 | 0.00             |          |  |
| 7200.00†  | 21.352             | 4.461          | 6802.58     | 480.07            | 2167.99       | 169.13       | 40.3888793 | -104.8397510 | 0.00             |          |  |
| 7300.00†  | 21.352             | 4.461          | 6895.71     | 488.10            | 2204.29       | 171.96       | 40.3889789 | -104.8397399 | 0.00             |          |  |
| 7327.56   | 21.352             | 4.461          | 6921.38     | 490.32            | 2214.30       | 172.74       | 40.3890063 | -104.8397368 | 0.00             | KOP      |  |
| 7400.00†  | 21.952             | 346.805        | 6988.78     | 500.09            | 2240.65       | 170.68       | 40.3890787 | -104.8397435 | 9.00             |          |  |
| 7500.00†  | 25.513             | 326.118        | 7080.47     | 526.37            | 2276.81       | 154.37       | 40.3891783 | -104.8398011 | 9.00             |          |  |
| 7600.00†  | 31.211             | 311.353        | 7168.54     | 566.86            | 2311.87       | 122.85       | 40.3892752 | -104.8399133 | 9.00             |          |  |
| 7700.00†  | 38.096             | 301.105        | 7250.82     | 620.56            | 2345.00       | 76.89        | 40.3893671 | -104.8400774 | 9.00             |          |  |
| 7800.00†  | 45.628             | 293.695        | 7325.29     | 686.15            | 2375.36       | 17.63        | 40.3894516 | -104.8402893 | 9.00             |          |  |
| 7900.00†  | 53.528             | 288.016        | 7390.11     | 762.02            | 2402.21       | -53.48       | 40.3895268 | -104.8405438 | 9.00             |          |  |
| 8000.00†  | 61.647             | 283.406        | 7443.68     | 846.31            | 2424.90       | -134.69      | 40.3895907 | -104.8408347 | 9.00             |          |  |
| 8100.00†  | 69.898             | 279.459        | 7484.70     | 936.92            | 2442.85       | -223.99      | 40.3896418 | -104.8411548 | 9.00             |          |  |
| 8200.00†  | 78.228             | 275.912        | 7512.14     | 1031.64           | 2455.64       | -319.19      | 40.3896788 | -104.8414962 | 9.00             |          |  |
| 8300.00†  | 86.600             | 272.575        | 7525.33     | 1128.13           | 2462.94       | -417.94      | 40.3897009 | -104.8418505 | 9.00             |          |  |
| 8367.61   | 92.268             | 270.361        | 7526.00†    | 1193.17           | 2464.67       | -485.50      | 40.3897070 | -104.8420930 | 9.00             | LP       |  |
| 8400.00†  | 92.268             | 270.361        | 7524.72     | 1224.14           | 2464.87       | -517.86      | 40.3897082 | -104.8422092 | 0.00             |          |  |
| 8500.00†  | 92.268             | 270.361        | 7520.76     | 1319.77           | 2465.50       | -617.78      | 40.3897120 | -104.8425678 | 0.00             |          |  |

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| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

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|---|--------------------|----------------|-------------|-------------------|---------------|--------------|------------|--------------|------------------|----------|--|--|
| MD<br>[ft]  | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Latitude   | Longitude    | DLS<br>[°/100ft] | Comments |  |  |
| 8600.00†  | 92.268             | 270.361        | 7516.80     | 1415.40           | 2466.13       | -717.70      | 40.3897157 | -104.8429265 | 0.00             |          |  |  |
| 8700.00†  | 92.268             | 270.361        | 7512.85     | 1511.03           | 2466.76       | -817.62      | 40.3897195 | -104.8432852 | 0.00             |          |  |  |
| 8800.00†  | 92.268             | 270.361        | 7508.89     | 1606.66           | 2467.39       | -917.54      | 40.3897233 | -104.8436438 | 0.00             |          |  |  |
| 8900.00†  | 92.268             | 270.361        | 7504.93     | 1702.29           | 2468.02       | -1017.46     | 40.3897270 | -104.8440025 | 0.00             |          |  |  |
| 9000.00†  | 92.268             | 270.361        | 7500.97     | 1797.92           | 2468.65       | -1117.38     | 40.3897308 | -104.8443612 | 0.00             |          |  |  |
| 9100.00†  | 92.268             | 270.361        | 7497.02     | 1893.55           | 2469.28       | -1217.30     | 40.3897345 | -104.8447198 | 0.00             |          |  |  |
| 9200.00†  | 92.268             | 270.361        | 7493.06     | 1989.18           | 2469.91       | -1317.22     | 40.3897383 | -104.8450785 | 0.00             |          |  |  |
| 9300.00†  | 92.268             | 270.361        | 7489.10     | 2084.81           | 2470.54       | -1417.14     | 40.3897420 | -104.8454372 | 0.00             |          |  |  |
| 9400.00†  | 92.268             | 270.361        | 7485.14     | 2180.44           | 2471.17       | -1517.06     | 40.3897458 | -104.8457958 | 0.00             |          |  |  |
| 9500.00†  | 92.268             | 270.361        | 7481.19     | 2276.07           | 2471.80       | -1616.98     | 40.3897495 | -104.8461545 | 0.00             |          |  |  |
| 9600.00†  | 92.268             | 270.361        | 7477.23     | 2371.70           | 2472.43       | -1716.90     | 40.3897533 | -104.8465132 | 0.00             |          |  |  |
| 9700.00†  | 92.268             | 270.361        | 7473.27     | 2467.33           | 2473.05       | -1816.82     | 40.3897570 | -104.8468719 | 0.00             |          |  |  |
| 9800.00†  | 92.268             | 270.361        | 7469.31     | 2562.96           | 2473.68       | -1916.74     | 40.3897608 | -104.8472305 | 0.00             |          |  |  |
| 9900.00†  | 92.268             | 270.361        | 7465.36     | 2658.59           | 2474.31       | -2016.65     | 40.3897645 | -104.8475892 | 0.00             |          |  |  |
| 10000.00†   | 92.268             | 270.361        | 7461.40     | 2754.22           | 2474.94       | -2116.57     | 40.3897683 | -104.8479479 | 0.00             |          |  |  |
| 10100.00†   | 92.268             | 270.361        | 7457.44     | 2849.85           | 2475.57       | -2216.49     | 40.3897720 | -104.8483065 | 0.00             |          |  |  |
| 10200.00†   | 92.268             | 270.361        | 7453.48     | 2945.48           | 2476.20       | -2316.41     | 40.3897758 | -104.8486652 | 0.00             |          |  |  |
| 10300.00†   | 92.268             | 270.361        | 7449.53     | 3041.11           | 2476.83       | -2416.33     | 40.3897795 | -104.8490239 | 0.00             |          |  |  |
| 10400.00†   | 92.268             | 270.361        | 7445.57     | 3136.74           | 2477.46       | -2516.25     | 40.3897832 | -104.8493825 | 0.00             |          |  |  |
| 10500.00†   | 92.268             | 270.361        | 7441.61     | 3232.37           | 2478.09       | -2616.17     | 40.3897870 | -104.8497412 | 0.00             |          |  |  |
| 10600.00†   | 92.268             | 270.361        | 7437.65     | 3328.00           | 2478.72       | -2716.09     | 40.3897907 | -104.8500999 | 0.00             |          |  |  |
| 10700.00†   | 92.268             | 270.361        | 7433.70     | 3423.63           | 2479.35       | -2816.01     | 40.3897944 | -104.8504585 | 0.00             |          |  |  |
| 10800.00†   | 92.268             | 270.361        | 7429.74     | 3519.26           | 2479.98       | -2915.93     | 40.3897982 | -104.8508172 | 0.00             |          |  |  |
| 10900.00†   | 92.268             | 270.361        | 7425.78     | 3614.89           | 2480.61       | -3015.85     | 40.3898019 | -104.8511759 | 0.00             |          |  |  |
| 11000.00†   | 92.268             | 270.361        | 7421.82     | 3710.52           | 2481.24       | -3115.77     | 40.3898056 | -104.8515346 | 0.00             |          |  |  |
| 11100.00†   | 92.268             | 270.361        | 7417.87     | 3806.15           | 2481.86       | -3215.69     | 40.3898094 | -104.8518932 | 0.00             |          |  |  |
| 11200.00†   | 92.268             | 270.361        | 7413.91     | 3901.78           | 2482.49       | -3315.61     | 40.3898131 | -104.8522519 | 0.00             |          |  |  |
| 11300.00†   | 92.268             | 270.361        | 7409.95     | 3997.41           | 2483.12       | -3415.53     | 40.3898168 | -104.8526106 | 0.00             |          |  |  |
| 11400.00†   | 92.268             | 270.361        | 7405.99     | 4093.04           | 2483.75       | -3515.45     | 40.3898206 | -104.8529692 | 0.00             |          |  |  |
| 11500.00†   | 92.268             | 270.361        | 7402.04     | 4188.67           | 2484.38       | -3615.37     | 40.3898243 | -104.8533279 | 0.00             |          |  |  |
| 11600.00†   | 92.268             | 270.361        | 7398.08     | 4284.30           | 2485.01       | -3715.29     | 40.3898280 | -104.8536866 | 0.00             |          |  |  |
| 11700.00†   | 92.268             | 270.361        | 7394.12     | 4379.93           | 2485.64       | -3815.21     | 40.3898318 | -104.8540452 | 0.00             |          |  |  |
| 11800.00†   | 92.268             | 270.361        | 7390.16     | 4475.56           | 2486.27       | -3915.13     | 40.3898355 | -104.8544039 | 0.00             |          |  |  |
| 11900.00†   | 92.268             | 270.361        | 7386.21     | 4571.19           | 2486.90       | -4015.05     | 40.3898392 | -104.8547626 | 0.00             |          |  |  |
| 12000.00†   | 92.268             | 270.361        | 7382.25     | 4666.82           | 2487.53       | -4114.97     | 40.3898429 | -104.8551212 | 0.00             |          |  |  |
| 12100.00†   | 92.268             | 270.361        | 7378.29     | 4762.45           | 2488.16       | -4214.89     | 40.3898466 | -104.8554799 | 0.00             |          |  |  |
| 12200.00†   | 92.268             | 270.361        | 7374.33     | 4858.08           | 2488.79       | -4314.81     | 40.3898504 | -104.8558386 | 0.00             |          |  |  |
| 12300.00†   | 92.268             | 270.361        | 7370.38     | 4953.71           | 2489.42       | -4414.73     | 40.3898541 | -104.8561973 | 0.00             |          |  |  |
| 12400.00†   | 92.268             | 270.361        | 7366.42     | 5049.34           | 2490.04       | -4514.65     | 40.3898578 | -104.8565559 | 0.00             |          |  |  |
| 12500.00†   | 92.268             | 270.361        | 7362.46     | 5144.97           | 2490.67       | -4614.57     | 40.3898615 | -104.8569146 | 0.00             |          |  |  |
| 12600.00†   | 92.268             | 270.361        | 7358.50     | 5240.60           | 2491.30       | -4714.49     | 40.3898652 | -104.8572733 | 0.00             |          |  |  |
| 12700.00†   | 92.268             | 270.361        | 7354.55     | 5336.23           | 2491.93       | -4814.41     | 40.3898689 | -104.8576319 | 0.00             |          |  |  |
| 12800.00†   | 92.268             | 270.361        | 7350.59     | 5431.86           | 2492.56       | -4914.33     | 40.3898727 | -104.8579906 | 0.00             |          |  |  |
| 12900.00†   | 92.268             | 270.361        | 7346.63     | 5527.48           | 2493.19       | -5014.25     | 40.3898764 | -104.8583493 | 0.00             |          |  |  |
| 13000.00†   | 92.268             | 270.361        | 7342.67     | 5623.11           | 2493.82       | -5114.16     | 40.3898801 | -104.8587079 | 0.00             |          |  |  |



Planned Wellpath Report  
WINDOM 02C (REV-A.0) PWP  
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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| WELLPATH DATA (166 stations) † = interpolated, ‡ = extrapolated station |                 |             |                      |                |            |           |            |              |               |                                |
|---|-----------------|-------------|----------------------|----------------|------------|-----------|------------|--------------|---------------|--------------------------------|
| MD [ft]   | Inclination [°] | Azimuth [°] | TVD [ft]             | Vert Sect [ft] | North [ft] | East [ft] | Latitude   | Longitude    | DLS [°/100ft] | Comments                       |
| 13100.00†   | 92.268          | 270.361     | 7338.71              | 5718.74        | 2494.45    | -5214.08  | 40.3898838 | -104.8590666 | 0.00          |                                |
| 13200.00†   | 92.268          | 270.361     | 7334.76              | 5814.37        | 2495.08    | -5314.00  | 40.3898875 | -104.8594253 | 0.00          |                                |
| 13300.00†   | 92.268          | 270.361     | 7330.80              | 5910.00        | 2495.71    | -5413.92  | 40.3898912 | -104.8597840 | 0.00          |                                |
| 13400.00†   | 92.268          | 270.361     | 7326.84              | 6005.63        | 2496.34    | -5513.84  | 40.3898949 | -104.8601426 | 0.00          |                                |
| 13500.00†   | 92.268          | 270.361     | 7322.88              | 6101.26        | 2496.97    | -5613.76  | 40.3898986 | -104.8605013 | 0.00          |                                |
| 13600.00†   | 92.268          | 270.361     | 7318.93              | 6196.89        | 2497.60    | -5713.68  | 40.3899023 | -104.8608600 | 0.00          |                                |
| 13700.00†   | 92.268          | 270.361     | 7314.97              | 6292.52        | 2498.23    | -5813.60  | 40.3899060 | -104.8612186 | 0.00          |                                |
| 13800.00†   | 92.268          | 270.361     | 7311.01              | 6388.15        | 2498.85    | -5913.52  | 40.3899097 | -104.8615773 | 0.00          |                                |
| 13900.00†   | 92.268          | 270.361     | 7307.05              | 6483.78        | 2499.48    | -6013.44  | 40.3899134 | -104.8619360 | 0.00          |                                |
| 14000.00†   | 92.268          | 270.361     | 7303.10              | 6579.41        | 2500.11    | -6113.36  | 40.3899171 | -104.8622947 | 0.00          |                                |
| 14100.00†   | 92.268          | 270.361     | 7299.14              | 6675.04        | 2500.74    | -6213.28  | 40.3899208 | -104.8626533 | 0.00          |                                |
| 14200.00†   | 92.268          | 270.361     | 7295.18              | 6770.67        | 2501.37    | -6313.20  | 40.3899245 | -104.8630120 | 0.00          |                                |
| 14300.00†   | 92.268          | 270.361     | 7291.22              | 6866.30        | 2502.00    | -6413.12  | 40.3899282 | -104.8633707 | 0.00          |                                |
| 14400.00†   | 92.268          | 270.361     | 7287.27              | 6961.93        | 2502.63    | -6513.04  | 40.3899319 | -104.8637293 | 0.00          |                                |
| 14500.00†   | 92.268          | 270.361     | 7283.31              | 7057.56        | 2503.26    | -6612.96  | 40.3899356 | -104.8640880 | 0.00          |                                |
| 14600.00†   | 92.268          | 270.361     | 7279.35              | 7153.19        | 2503.89    | -6712.88  | 40.3899393 | -104.8644467 | 0.00          |                                |
| 14700.00†   | 92.268          | 270.361     | 7275.39              | 7248.82        | 2504.52    | -6812.80  | 40.3899430 | -104.8648053 | 0.00          |                                |
| 14800.00†   | 92.268          | 270.361     | 7271.44              | 7344.45        | 2505.15    | -6912.72  | 40.3899467 | -104.8651640 | 0.00          |                                |
| 14900.00†   | 92.268          | 270.361     | 7267.48              | 7440.08        | 2505.78    | -7012.64  | 40.3899504 | -104.8655227 | 0.00          |                                |
| 15000.00†   | 92.268          | 270.361     | 7263.52              | 7535.71        | 2506.41    | -7112.56  | 40.3899541 | -104.8658814 | 0.00          |                                |
| 15100.00†   | 92.268          | 270.361     | 7259.56              | 7631.34        | 2507.04    | -7212.48  | 40.3899578 | -104.8662400 | 0.00          |                                |
| 15200.00†   | 92.268          | 270.361     | 7255.61              | 7726.97        | 2507.66    | -7312.40  | 40.3899615 | -104.8665987 | 0.00          |                                |
| 15300.00†   | 92.268          | 270.361     | 7251.65              | 7822.60        | 2508.29    | -7412.32  | 40.3899651 | -104.8669574 | 0.00          |                                |
| 15400.00†   | 92.268          | 270.361     | 7247.69              | 7918.23        | 2508.92    | -7512.24  | 40.3899688 | -104.8673160 | 0.00          |                                |
| 15500.00†   | 92.268          | 270.361     | 7243.73              | 8013.86        | 2509.55    | -7612.16  | 40.3899725 | -104.8676747 | 0.00          |                                |
| 15600.00†   | 92.268          | 270.361     | 7239.78              | 8109.49        | 2510.18    | -7712.08  | 40.3899762 | -104.8680334 | 0.00          |                                |
| 15700.00†   | 92.268          | 270.361     | 7235.82              | 8205.12        | 2510.81    | -7812.00  | 40.3899799 | -104.8683921 | 0.00          |                                |
| 15800.00†   | 92.268          | 270.361     | 7231.86              | 8300.75        | 2511.44    | -7911.92  | 40.3899836 | -104.8687507 | 0.00          |                                |
| 15900.00†   | 92.268          | 270.361     | 7227.90              | 8396.38        | 2512.07    | -8011.84  | 40.3899872 | -104.8691094 | 0.00          |                                |
| 15948.12  | 92.268          | 270.361     | 7226.00 <sup>2</sup> | 8442.40        | 2512.37    | -8059.92  | 40.3899890 | -104.8692820 | 0.00          | BPZ                            |
| 15998.12  | 92.268          | 270.361     | 7224.02              | 8490.21        | 2512.69    | -8109.88  | 40.3899908 | -104.8694613 | 0.00          | BHL (879'FNL & 100'FWL,SEC.23) |





Planned Wellpath Report

WINDOM 02C (REV-A.0) PWP



| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| TARGETS                                      |                                       |             |               |              |                      |                       |            |              |         |
|--|---------------------------------------|-------------|---------------|--------------|----------------------|-----------------------|------------|--------------|---------|
| Name   | MD<br>[ft]                            | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude   | Longitude    | Shape   |
| SEC.23-T05N-R67W                             | N/A                                   | 1.00        | 14.94         | -489.14      | 3183256.41           | 1383040.89            | 40.3829830 | -104.8421713 | polygon |
|  | 2D Polygon: dimensions not calculated |             |               |              |                      |                       |            |              |         |
| SEC.24-T05N-R67W                             | N/A                                   | 1.00        | 14.94         | -489.14      | 3183256.41           | 1383040.89            | 40.3829830 | -104.8421713 | polygon |
|  | 2D Polygon: dimensions not calculated |             |               |              |                      |                       |            |              |         |
| WINDOM 02C BHL (879'FNL & 100'FWL,SEC.23)    | N/A                                   | 7226.00     | 2512.74       | -8110.06     | 3175635.81           | 1385538.59            | 40.3899910 | -104.8694620 | point   |
|  |                                       |             |               |              |                      |                       |            |              |         |
| 2) WINDOM 02C BPZ (879'FNL&150'FWL Sec.23)   | 15948.12                              | 7226.00     | 2512.37       | -8059.92     | 3175685.95           | 1385538.22            | 40.3899890 | -104.8692820 | point   |
|  |                                       |             |               |              |                      |                       |            |              |         |
| 1) WINDOM 02C LP (876'FNL & 2462'FWL,SEC.24) | 8367.61                               | 7526.00     | 2464.67       | -485.50      | 3183260.05           | 1385490.52            | 40.3897070 | -104.8420930 | point   |
|  |                                       |             |               |              |                      |                       |            |              |         |

| SURVEY PROGRAM - Ref Wellbore: WINDOM 02C PWB      Ref Wellpath: WINDOM 02C (REV-A.0) PWP |                |                              |                  |                |
|---|----------------|------------------------------|------------------|----------------|
| Start MD<br>[ft]  | End MD<br>[ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore       |
| 28.50   | 1950.00        | OWSG MWD rev2 - Standard     |                  | WINDOM 02C PWB |
| 1950.00   | 15998.12       | OWSG MWD rev2 (MS+IFR1)      |                  | WINDOM 02C PWB |



Planned Wellpath Report

WINDOM 02C (REV-A.0) PWP



| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| DESIGN COMMENTS |                    |                |             |                                |
|-----------------|--------------------|----------------|-------------|--------------------------------|
| MD<br>[ft]      | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Comment                        |
| 28.50           | 0.000              | 4.461          | 28.50       | SHL                            |
| 700.00          | 0.000              | 4.461          | 700.00      | End of Tangent                 |
| 1767.61         | 21.352             | 4.461          | 1743.07     | Build (XS)                     |
| 7327.56         | 21.352             | 4.461          | 6921.38     | KOP                            |
| 8367.61         | 92.268             | 270.361        | 7526.00     | LP                             |
| 15948.12        | 92.268             | 270.361        | 7226.00     | BPZ                            |
| 15998.12        | 92.268             | 270.361        | 7224.02     | BHL (879'FNL & 100'FWL,SEC.23) |





Closest Approach Clearance Summary Report

WINDOM 02C (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| REPORT SETUP INFORMATION |   |                  |                        |
|--------------------------|---|------------------|------------------------|
| Projection System        | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System  | WellArchitect® 6.0     |
| North Reference          | Grid  | User             | Guenaler               |
| Scale                    | 0.999960  | Report Generated | 5/2/2024 at 9:21:34 AM |
| Convergence at slot      | 0.43° East  | Database         | WA_Denver              |

| WELLPATH LOCATION     |                   |          |                  |                 |                        |                  |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|------------------|
|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                  |
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude        |
| Slot Location         | -14.94            | 0.11     | 3183745.53       | 1383025.96      | 40°22'58.5552"N        | 104°50'25.4976"W |
| Facility Reference Pt |                   |          | 3183745.42       | 1383040.89      | 40°22'58.7028"N        | 104°50'25.4976"W |
| Field Reference Pt    |                   |          | 3296400.32       | 1413291.61      | 40°27'46.8000"N        | 104°26'5.1000"W  |

| WELLPATH DATUM           |                                  |  |           |
|--------------------------|----------------------------------|--|-----------|
| Calculation method       | Minimum Curvature                | (4998'GL+28.5'KB@5026'RKB) (RKB) to Facility Vertical Datum  | 5026.50ft |
| Horizontal Reference Pt  | Slot                             | (4998'GL+28.5'KB@5026'RKB) (RKB) to Mean Sea Level   | 5026.50ft |
| Vertical Reference Pt    | (4998'GL+28.5'KB@5026'RKB) (RKB) | (4998'GL+28.5'KB@5026'RKB) (RKB) to Ground Level at Slot (SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24)) | 5026.50ft |
| MD Reference Pt          | (4998'GL+28.5'KB@5026'RKB) (RKB) |  |           |
| Field Vertical Reference | Mean Sea Level                   |  |           |

| POSITIONAL UNCERTAINTY CALCULATION SETTINGS   |                  |                  |         |                              |          |
|---|------------------|------------------|---------|------------------------------|----------|
| Ellipse Confidence Limit  | 3.50 Std Dev     | Ellipse Start MD | 28.50ft | Surface Position Uncertainty | included |
| Declination   | 7.77° East of TN | Dip Angle        | 66.52°  | Mag Field Strength           | 51651 nT |
| Slot Surface Uncertainty @1SD   |                  | Horizontal       | 0.100ft | Vertical                     | 1.000ft  |
| Facility Surface Uncertainty @1SD   |                  | Horizontal       | 8.200ft | Vertical                     | 3.000ft  |
| Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes |                  |                  |         |                              |          |



Closest Approach Clearance Summary Report

WINDOM 02C (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| PROXIMITY-SCAN RULE        |  |                      |       |
|----------------------------|--|----------------------|-------|
| Rule Name                  | SPE WPTS Stop Drilling HSE Risk (2017) | Rule Based On        | Ratio |
| Plane of Rule              | Closest Approach                       | Threshold Value      | 1.00  |
| Include Casing & Hole Size | yes                                    | Apply Cone of Safety | no    |

| SURVEY PROGRAM - Ref Wellbore: WINDOM 02C PWB    Ref Wellpath: WINDOM 02C (REV-A.0) PWP |                |                              |                  |                |
|---|----------------|------------------------------|------------------|----------------|
| Start MD<br>[ft]  | End MD<br>[ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore       |
| 28.50   | 1950.00        | OWSG MWD rev2 - Standard     |                  | WINDOM 02C PWB |
| 1950.00   | 15998.06       | OWSG MWD rev2 (MS+IFR1)      |                  | WINDOM 02C PWB |



Closest Approach Clearance Summary Report

WINDOM 02C (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| CALCULATION RANGE & CUTOFF |                   |                    |
|----------------------------|-------------------|--------------------|
| From: 28.50ft MD           | To: 15998.06ft MD | C-C Cutoff: (none) |

| OFFSET WELL CLEARANCE SUMMARY (95 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane |  |                             |                           |   |                 |                        |                         |                        |                          |           |                          |             |
|--|--|-----------------------------|---------------------------|---|-----------------|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|-------------|
| Offset Facility  | Offset Slot                                      | Offset Well                 | Offset Wellbore           | Offset Wellpath                         | Wellbore Status | C-C Clearance Distance |                         |                        | Rule Separation Ratio    |           |                          |             |
|  |  |                             |                           |   |                 | Ref MD [ft]            | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | Rule Status |
| Sec.23-T5N-R67W  | PHILLIPS PC #N24-19 (05-123-25878)               | PHILLIPS PC N24-19 (Vert)   | PHILLIPS PC N24-19        | PHILLIPS PC N24-19 AWP                  | Drilling        | 9734.36                | 86.85                   | 9734.36                | 9734.32                  | 0.01      | 9734.32                  | FAIL        |
| Sec.23-T5N-R67W  | HSR-KINZER #4-23 (05-123-19498)                  | HSR-KINZER 4-23 (Vert)      | HSR-KINZER 4-23           | HSR-KINZER 4-23\HSR-KINZER 4-23         | Drilling        | 15439.17               | 215.17                  | 15439.17               | 15438.93                 | 0.02      | 15438.93                 | FAIL        |
| Sec.23-T5N-R67W  | KINZER #18-23 (05-123-24000)                     | KINZER 18-23 (Vert)         | KINZER 18-23              | KINZER 18-23\KINZER 18-23               | Drilling        | 14858.12               | 345.78                  | 14858.12               | 14857.46                 | 0.04      | 14857.46                 | FAIL        |
| Sec.23-T5N-R67W  | D.L. PHILLIPS #24-22 (05-123-18369)              | D.L. PHILLIPS 24-22 (Vert)  | D.L. PHILLIPS 24-22       | D.L. PHILLIPS 24-22\D.L. PHILLIPS 24-22 | Drilling        | 10194.53               | 392.54                  | 10194.53               | 10193.72                 | 0.04      | 10193.72                 | FAIL        |
| Sec.23-T5N-R67W  | GOLDBERG #N 24-2 (05-123-18983)                  | GOLDBERG N 24-2 (Vert)      | GOLDBERG N 24-2           | GOLDBERG N 24-2\GOLDBERG N 24-2         | Drilling        | 7649.61                | 397.19                  | 7649.61                | 7673.38                  | 0.04      | 7673.38                  | FAIL        |
| Sec.23-T5N-R67W  | PHILLIPS PC #N23-17 (05-123-25876)               | PHILLIPS PC N23-17 (Vert)   | PHILLIPS PC N23-17        | PHILLIPS PC N23-17\PHILLIPS PC N23-17   | Drilling        | 12406.49               | 411.77                  | 12406.49               | 12405.58                 | 0.05      | 12405.58                 | FAIL        |
| Sec.23-T5N-R67W  | D.L. PHILLIPS #24-21 (05-123-18368)              | D.L. PHILLIPS 24-21 (Vert)  | D.L. PHILLIPS 24-21       | D.L. PHILLIPS 24-21\D.L. PHILLIPS 24-21 | Drilling        | 8984.46                | 468.83                  | 8984.46                | 8983.31                  | 0.05      | 8983.31                  | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | DL PHILLIPS #24-23 (05-123-17231)                | DL PHILLIPS #24-23 (Exist.) | DL PHILLIPS #24-23 AWB    | DL PHILLIPS #24-23 AWP                  | Drilling        | 10576.67               | 669.50                  | 10576.67               | 10574.28                 | 0.07      | 10574.28                 | FAIL        |
| Sec.23-T5N-R67W  | PHILLIPS #23-11 (05-123-17267) PR                | PHILLIPS #23-11             | PHILLIPS #23-11 AWB       | PHILLIPS #23-11 AWP                     | Drilling        | 11498.93               | 221.04                  | 11498.93               | 11498.18                 | 0.08      | 11498.18                 | FAIL        |
| Sec.23-T5N-R67W  | PHILLIPS #23-12 (05-123-17203) PA                | PHILLIPS #23-12             | PHILLIPS #23-12 AWB       | PHILLIPS #23-12 AWP                     | Drilling        | 12409.53               | 222.89                  | 12409.53               | 12408.77                 | 0.08      | 12408.77                 | FAIL        |
| Phillips PC N24-29 Pad Sec.24-T5N-R67W   | PHILLIPS PC #N24-31D (05-123-29077)              | Phillips PC N24-31D         | Wellbore #1               | Wellbore #1\Wellbore #1                 | Drilling        | 10814.22               | 14.16                   | 10814.22               | 10813.46                 | 0.10      | 10813.46                 | FAIL        |
| Sec.23-T5N-R67W  | GOLDBERG #1-24 (05-123-13117)                    | GOLDBERG 1-24 (Vert)        | GOLDBERG 1-24             | GOLDBERG 1-24\GOLDBERG 1-24             | Drilling        | 7412.12                | 1550.90                 | 7412.12                | 7534.33                  | 0.18      | 7534.33                  | FAIL        |
| Phillips 24-3-23 (Dir) Pad Sec.24-T5N-R67W   | D. L. PHILLIPS #24-31 (05-123-21347)             | D. L. PHILLIPS #24-31       | D. L. PHILLIPS #24-31 AWB | D. L. PHILLIPS #24-31 AWP               | Drilling        | 1833.10                | 778.27                  | 8628.50                | 8601.93                  | 0.24      | 8601.93                  | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | GOLDBERG N #24-7 (05-123-18984) TA               | GOLDBERG N #24-7            | GOLDBERG N #24-7 AWB      | GOLDBERG N #24-7 AWP                    | Drilling        | 5753.50                | 380.93                  | 5753.50                | 7368.72                  | 0.30      | 7368.72                  | FAIL        |
| Sec.23-T5N-R67W  | HSR-KINZER #6-23 (05-123-19500) TA               | HSR-KINZER #6-23            | HSR-KINZER #6-23 AWB      | HSR-KINZER #6-23 AWP                    | Drilling        | 14207.48               | 895.54                  | 14207.48               | 14193.61                 | 0.32      | 14193.61                 | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | D.L. PHILLIPS #24-24 (05-123-19879) TA           | D.L. PHILLIPS #24-24        | D.L. PHILLIPS 24-24 AWB   | D.L. PHILLIPS 24-24 AWP                 | Drilling        | 4954.27                | 902.69                  | 8652.88                | 8652.88                  | 0.34      | 8652.88                  | FAIL        |
| Sec.23-T5N-R67W  | PHILLIPS #23-13 (05-123-17204) PR                | PHILLIPS #23-13             | PHILLIPS #23-13 AWB       | PHILLIPS #23-13 AWP                     | Drilling        | 12414.53               | 1052.39                 | 12414.53               | 12395.93                 | 0.37      | 12395.93                 | FAIL        |
| Sec.23-T5N-R67W  | HSR-KINZER #5-23 (05-123-19499) PA               | HSR-KINZER #5-23            | HSR-KINZER #5-23 AWB      | HSR-KINZER #5-23 AWP                    | Drilling        | 15423.46               | 1139.61                 | 15423.46               | 15400.74                 | 0.42      | 15400.74                 | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | GOLDBERG N #24-8 (05-123-21109) TA               | GOLDBERG N #24-8            | GOLDBERG N #24-8 AWB      | GOLDBERG N #24-8 AWP                    | Drilling        | 4997.62                | 1721.06                 | 4997.62                | 7768.26                  | 0.76      | 7768.26                  | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | D.L. PHILLIPS #24-32 (05-123-19878) SI           | D.L. PHILLIPS #24-32        | D.L. PHILLIPS #24-32 AWB  | D.L. PHILLIPS #24-32 AWP                | Drilling        | 28.50                  | 2285.72                 | 10128.50               | 10059.64                 | 0.81      | 10059.64                 | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | PHILLIPS PC #N24-25 (05-123-25877) SI            | PHILLIPS PC #N24-25         | PHILLIPS PC #N24-25 AWB   | PHILLIPS PC #N24-25 AWP                 | Drilling        | 28.50                  | 1255.66                 | 9128.50                | 8996.14                  | 0.89      | 8996.14                  | FAIL        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | PHILLIPS # #1 (05-123-11720) SI                  | PHILLIPS # #1               | PHILLIPS # #1 AWB         | PHILLIPS # #1 AWP                       | Drilling        | 28.50                  | 2566.85                 | 10128.50               | 9917.46                  | 1.24      | 9917.46                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#03 WINDOM 03NA (1847'FSL & 2304'FEL,SEC.24) | WINDOM 03NA                 | WINDOM 03NA PWB           | WINDOM 03NA (REV-A.1) PWP               | Planned         | 28.50                  | 14.94                   | 700.00                 | 724.38                   | 1.31      | 15998.06                 | PASS        |
| Sec.23-T5N-R67W  | HSR-KINZER #3-23 (05-123-19497)                  | HSR-KINZER 3-23             | HSR-KINZER 3-23           | HSR-KINZER 3-23\HSR-KINZER 3-23         | Drilling        | 14409.12               | 218.84                  | 14409.12               | 14423.48                 | 1.34      | 14423.48                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#03 BLUE CHIP #22-3HZ (05-123-51938) PR      | BLUE CHIP #22-3HZ           | BLUE CHIP #22-3HZ PR AWB  | BLUE CHIP #22-3HZ PR AWP                | Drilling        | 15998.06               | 190.92                  | 15998.06               | 15998.06                 | 1.38      | 15998.06                 | PASS        |



Closest Approach Clearance Summary Report

WINDOM 02C (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| CALCULATION RANGE & CUTOFF |                   |                    |
|----------------------------|-------------------|--------------------|
| From: 28.50ft MD           | To: 15998.06ft MD | C-C Cutoff: (none) |

| OFFSET WELL CLEARANCE SUMMARY (95 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane |  |                     |                          |                           |                 |                        |                         |                        |                          |           |                          |             |
|--|--|---------------------|--------------------------|---------------------------|-----------------|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|-------------|
| Offset Facility  | Offset Slot                                      | Offset Well         | Offset Wellbore          | Offset Wellpath           | Wellbore Status | C-C Clearance Distance |                         |                        | Rule Separation Ratio    |           |                          |             |
|  |  |                     |                          |                           |                 | Ref MD [ft]            | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | Rule Status |
| SEC.24-T05N-R67W   | SLOT#14 WINDOM 14N (1862'FSL & 2384'FEL,SEC.24)  | WINDOM 14N          | WINDOM 14N PWB           | WINDOM 14N (REV-A.0) PWP  | Planned         | 28.50                  | 80.24                   | 7872.35                | 7872.35                  | 1.40      | 7872.35                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#01 WINDOM 01N (1877'FSL & 2304'FEL,SEC.24)  | WINDOM 01N          | WINDOM 01N PWB           | WINDOM 01N (REV-A.0) PWP  | Planned         | 28.50                  | 14.94                   | 15998.06               | 524.66                   | 1.52      | 15998.06                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#02 BLUE CHIP #22-2HZ (05-123-51929) PR      | BLUE CHIP #22-2HZ   | BLUE CHIP #22-2HZ PR AWB | BLUE CHIP #22-2HZ PR AWP  | Drilling        | 15891.03               | 423.10                  | 15891.03               | 15982.79                 | 2.05      | 15982.79                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#04 BLUE CHIP #22-4HZ (05-123-51935) PR      | BLUE CHIP #22-4HZ   | BLUE CHIP #22-4HZ PR AWB | BLUE CHIP #22-4HZ AWP     | Drilling        | 15979.93               | 501.83                  | 15979.93               | 15998.06                 | 2.51      | 15998.06                 | PASS        |
| Sec.23-T5N-R67W  | PHILLIPS #23-41 (05-123-19267) PA                | PHILLIPS #23-41     | PHILLIPS #23-41 AWB      | PHILLIPS #23-41 AWP       | Drilling        | 11740.32               | 291.65                  | 11740.32               | 11774.90                 | 2.77      | 11774.90                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#01 BLUE CHIP #22-1HZ (05-123-51932) PR      | BLUE CHIP #22-1HZ   | BLUE CHIP #22-1HZ PR AWB | BLUE CHIP #22-1HZ PR AWP  | Drilling        | 15998.06               | 618.31                  | 15998.06               | 15998.06                 | 3.03      | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#04 WINDOM 04N (1832'FSL & 2304'FEL,SEC.24)  | WINDOM 04N          | WINDOM 04N PWB           | WINDOM 04N (REV-A.0) PWP  | Planned         | 28.50                  | 30.24                   | 15928.50               | 759.07                   | 3.10      | 15998.06                 | PASS        |
| Sec.23-T5N-R67W  | PHILLIPS #23-43 (05-123-19269) PA                | PHILLIPS #23-43     | PHILLIPS #23-43 AWB      | PHILLIPS #23-43 AWP       | Drilling        | 12860.42               | 3907.23                 | 12860.42               | 12401.60                 | 4.19      | 12401.60                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#15 WINDOM 15N (1847'FSL & 2384'FEL,SEC.24)  | WINDOM 15N          | WINDOM 15N PWB           | WINDOM 15N (REV-A.0) PWP  | Planned         | 28.50                  | 81.55                   | 7744.12                | 7744.12                  | 4.41      | 7744.12                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#05 WINDOM 05N (1817'FSL & 2305'FEL,SEC.24)  | WINDOM 05N          | WINDOM 05N PWB           | WINDOM 05N (REV-A.0) PWP  | Planned         | 28.50                  | 45.18                   | 700.00                 | 793.26                   | 4.79      | 15998.06                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#05 BLUE CHIP #22-5HZ (05-123-51936) PR      | BLUE CHIP #22-5HZ   | BLUE CHIP #22-5HZ PR AWB | BLUE CHIP #22-5HZ PR AWP  | Drilling        | 15998.06               | 1144.10                 | 15998.06               | 15998.06                 | 5.91      | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#13 WINDOM 13N (1877'FSL & 2384'FEL,SEC.24)  | WINDOM 13N          | WINDOM 13N PWB           | WINDOM 13N (REV-A.0) PWP  | Planned         | 28.50                  | 81.48                   | 8428.50                | 8443.99                  | 5.93      | 8443.99                  | PASS        |
| Sec.23-T5N-R67W  | PHILLIPS #23-14 (05-123-16960) PR                | PHILLIPS #23-14     | PHILLIPS #23-14 AWB      | PHILLIPS #23-14 AWP       | Drilling        | 11480.74               | 1095.46                 | 11480.74               | 11482.28                 | 6.26      | 11482.28                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#06 WINDOM 06N (1802'FSL & 2305'FEL,SEC.24)  | WINDOM 06N          | WINDOM 06N PWB           | WINDOM 06N (REV-A.0) PWP  | Planned         | 28.50                  | 60.11                   | 700.00                 | 825.63                   | 6.45      | 15998.06                 | PASS        |
| Sec.23-T5N-R67W  | Phillips #23-1-17 (05-123-29702) PR              | Phillips #23-1-17   | Phillips #23-1-17 AWB    | Phillips #23-1-17 AWP     | Drilling        | 12192.12               | 851.03                  | 12192.12               | 12327.25                 | 7.46      | 12327.25                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#07 WINDOM 07N (1787'FSL & 2305'FEL,SEC.24)  | WINDOM 07N          | WINDOM 07N PWB           | WINDOM 07N (REV-A.0) PWP  | Planned         | 28.50                  | 75.05                   | 700.00                 | 826.78                   | 8.08      | 15998.06                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#06 BLUE CHIP #22-6HZ (05-123-51937) PR      | BLUE CHIP #22-6HZ   | BLUE CHIP #22-6HZ PR AWB | BLUE CHIP #22-6HZ AWP     | Drilling        | 15832.15               | 1617.28                 | 15832.15               | 15998.06                 | 8.09      | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#16 WINDOM 16C (1832'FSL & 2384'FEL,SEC.24)  | WINDOM 16C          | WINDOM 16C PWB           | WINDOM 16C (REV-A.0) PWP  | Planned         | 28.50                  | 85.49                   | 7728.50                | 1022.88                  | 8.59      | 7728.50                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#17 WINDOM 17NA (1817'FSL & 2385'FEL,SEC.24) | WINDOM 17NA         | WINDOM 17NA PWB          | WINDOM 17NA (REV-A.0) PWP | Planned         | 28.50                  | 91.97                   | 7228.50                | 1007.75                  | 9.40      | 7327.57                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#08 WINDOM 08C (1772'FSL & 2305'FEL,SEC.24)  | WINDOM 08C          | WINDOM 08C PWB           | WINDOM 08C (REV-A.0) PWP  | Planned         | 28.50                  | 89.99                   | 700.00                 | 928.50                   | 9.64      | 15998.06                 | PASS        |
| Phillips PC N24-29 Pad Sec.24-T5N-R67W   | PHILLIPS PC #N24-29D (05-123-29345)              | Phillips PC N24-29D | Wellbore #1              | Wellbore #1\Wellbore #1   | Drilling        | 9574.48                | 819.09                  | 9574.48                | 9693.28                  | 9.80      | 9693.28                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#18 WINDOM 18N (1802'FSL & 2385'FEL,SEC.24)  | WINDOM 18N          | WINDOM 18N PWB           | WINDOM 18N (REV-A.0) PWP  | Planned         | 28.50                  | 100.04                  | 7028.50                | 1004.48                  | 10.31     | 7128.50                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#09 WINDOM 09NA (1757'FSL & 2306'FEL,SEC.24) | WINDOM 09NA         | WINDOM 09NA PWB          | WINDOM 09NA (REV-A.0) PWP | Planned         | 28.50                  | 104.92                  | 700.00                 | 928.50                   | 11.15     | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#19 WINDOM 19N (1787'FSL & 2385'FEL,SEC.24)  | WINDOM 19N          | WINDOM 19N PWB           | WINDOM 19N (REV-A.0) PWP  | Planned         | 28.50                  | 109.78                  | 7028.50                | 1011.51                  | 11.35     | 7327.57                  | PASS        |
| SEC.22-T05N-R67W   | SLOT#07 BLUE CHIP #22-7HZ (05-123-51933) PR      | BLUE CHIP #22-7HZ   | BLUE CHIP #22-7HZ PR AWB | BLUE CHIP #22-7HZ AWP     | Drilling        | 15998.06               | 2225.43                 | 15998.06               | 15998.06                 | 11.74     | 15998.06                 | PASS        |



Closest Approach Clearance Summary Report

WINDOM 02C (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| CALCULATION RANGE & CUTOFF |                   |                    |
|----------------------------|-------------------|--------------------|
| From: 28.50ft MD           | To: 15998.06ft MD | C-C Cutoff: (none) |

| OFFSET WELL CLEARANCE SUMMARY (95 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane |   |                        |                           |                           |                 |                        |                         |                        |                          |           |                          |             |
|--|---|------------------------|---------------------------|---------------------------|-----------------|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|-------------|
| Offset Facility  | Offset Slot                                     | Offset Well            | Offset Wellbore           | Offset Wellpath           | Wellbore Status | C-C Clearance Distance |                         |                        | Rule Separation Ratio    |           |                          |             |
|  |   |                        |                           |                           |                 | Ref MD [ft]            | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | Rule Status |
| Sec.23-T5N-R67W  | Phillips #23-1-20 (05-123-29703) PR             | Phillips #23-1-20      | Phillips #23-1-20 AWB     | Phillips #23-1-20 AWP     | Drilling        | 13403.15               | 1648.62                 | 13403.15               | 13513.22                 | 12.17     | 13513.22                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#20 WINDOM 20C (1772'FSL & 2385'FEL,SEC.24) | WINDOM 20C             | WINDOM 20C PWB            | WINDOM 20C (REV-A.0) PWP  | Planned         | 28.50                  | 120.66                  | 7128.50                | 1022.71                  | 12.47     | 7428.50                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#10 WINDOM 10N (1742'FSL & 2306'FEL,SEC.24) | WINDOM 10N             | WINDOM 10N PWB            | WINDOM 10N (REV-A.0) PWP  | Planned         | 28.50                  | 120.23                  | 700.00                 | 971.33                   | 12.70     | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#21 WINDOM 21N (1757'FSL & 2386'FEL,SEC.24) | WINDOM 21N             | WINDOM 21N PWB            | WINDOM 21N (REV-A.0) PWP  | Planned         | 28.50                  | 132.13                  | 700.00                 | 1028.81                  | 13.62     | 8828.50                  | PASS        |
| SEC.22-T05N-R67W   | SLOT#08 BLUE CHIP #22-8HZ (05-123-51930) PR     | BLUE CHIP #22-8HZ      | BLUE CHIP #22-8HZ PR AWB  | BLUE CHIP #22-8HZ AWP     | Drilling        | 15998.06               | 2657.46                 | 15998.06               | 15998.06                 | 14.04     | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#11 WINDOM 11N (1727'FSL & 2306'FEL,SEC.24) | WINDOM 11N             | WINDOM 11N PWB            | WINDOM 11N (REV-A.0) PWP  | Planned         | 28.50                  | 135.16                  | 15928.50               | 928.50                   | 14.54     | 15998.06                 | PASS        |
| Sec.23-T5N-R67W  | Phillips #23-1-21 (05-123-29704) PR             | Phillips #23-1-21      | Phillips #23-1-21 AWB     | Phillips #23-1-21 AWP     | Drilling        | 12176.25               | 1650.08                 | 12176.25               | 12304.22                 | 14.78     | 12304.22                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#22 WINDOM 22N (1742'FSL & 2386'FEL,SEC.24) | WINDOM 22N             | WINDOM 22N PWB            | WINDOM 22N (REV-A.0) PWP  | Planned         | 28.50                  | 144.40                  | 8528.50                | 1048.88                  | 14.81     | 9728.50                  | PASS        |
| SEC.24-T05N-R67W   | SLOT#12 WINDOM 12N (1712'FSL & 2306'FEL,SEC.24) | WINDOM 12N             | WINDOM 12N PWB            | WINDOM 12N (REV-A.0) PWP  | Planned         | 28.50                  | 150.10                  | 428.50                 | 15998.06                 | 16.16     | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#23 WINDOM 23N (1727'FSL & 2386'FEL,SEC.24) | WINDOM 23N             | WINDOM 23N PWB            | WINDOM 23N (REV-A.0) PWP  | Planned         | 28.50                  | 156.98                  | 8628.50                | 928.50                   | 16.67     | 10328.50                 | PASS        |
| Sec.23-T5N-R67W  | KINZER #23-3D (05-123-19424) PA                 | KINZER #23-3D          | KINZER #23-3D AWB         | KINZER #23-3D AWP         | Drilling        | 15691.73               | 3072.02                 | 15691.73               | 15998.06                 | 16.84     | 15998.06                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#09 BLUE CHIP #22-9HZ (05-123-51939) PR     | BLUE CHIP #22-9HZ      | BLUE CHIP #22-9HZ PR AWB  | BLUE CHIP #22-9HZ AWP     | Drilling        | 15998.06               | 3176.41                 | 15998.06               | 15998.06                 | 17.02     | 15998.06                 | PASS        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | PHILLIPS #24-2-20 (05-123-29908)                | Phillips 24-2-20 (Dir) | Wellbore #1               | Wellbore #1\Wellbore #1   | Drilling        | 10752.84               | 1673.59                 | 10752.84               | 10928.50                 | 17.32     | 10928.50                 | PASS        |
| Sec.23-T5N-R67W  | KINZER #23-3C (05-123-19423) PA                 | KINZER #23-3C          | KINZER #23-3C AWB         | KINZER #23-3C AWP         | Drilling        | 15151.84               | 3006.10                 | 15151.84               | 15563.41                 | 17.38     | 15563.41                 | PASS        |
| Sec.23-T5N-R67W  | PHILLIPS #23-42 (05-123-19268) PA               | PHILLIPS #23-42        | PHILLIPS #23-42 AWB       | PHILLIPS #23-42 AWP       | Drilling        | 13121.46               | 2290.31                 | 13121.46               | 13414.84                 | 17.42     | 13414.84                 | PASS        |
| Sec.23-T5N-R67W  | KINZER #23-3B (05-123-19415) PA                 | KINZER #23-3B          | KINZER #23-3B AWB         | KINZER #23-3B AWP         | Drilling        | 14658.15               | 2986.27                 | 14658.15               | 15100.64                 | 18.29     | 15100.64                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#10 BLUE CHIP #22-10HZ (05-123-51931) PR    | BLUE CHIP #22-10HZ     | BLUE CHIP #22-10HZ PR AWB | BLUE CHIP #22-10HZ PR AWP | Drilling        | 15998.06               | 3580.98                 | 15998.06               | 15998.06                 | 19.62     | 15998.06                 | PASS        |
| Sec.23-T5N-R67W  | KINZER #23-3A (05-123-19414) PA                 | KINZER #23-3A          | KINZER #23-3A AWB         | KINZER #23-3A AWP         | Drilling        | 14133.44               | 3047.72                 | 14133.44               | 14621.82                 | 20.10     | 14621.82                 | PASS        |
| SEC.22-T05N-R67W   | SLOT#11 BLUE CHIP #22-11HZ (05-123-51934) PR    | BLUE CHIP #22-11HZ     | BLUE CHIP #22-11HZ PR AWB | BLUE CHIP #22-11HZ AWP    | Drilling        | 15998.06               | 3635.04                 | 15998.06               | 15998.06                 | 20.11     | 15998.06                 | PASS        |
| SEC.24-T05N-R67W   | SLOT#24 WINDOM 24N (1712'FSL & 2386'FEL,SEC.24) | WINDOM 24N             | WINDOM 24N PWB            | WINDOM 24N (REV-A.0) PWP  | Planned         | 28.50                  | 170.08                  | 8628.50                | 804.60                   | 20.53     | 10728.50                 | PASS        |
| Phillips 24-3-23 (Dir) Pad Sec.24-T5N-R67W   | PHILLIPS #24-3-23 (05-123-29446)                | Phillips 24-3-23 (Dir) | Wellbore #1               | Wellbore #1\Wellbore #1   | Drilling        | 1745.16                | 718.34                  | 1745.16                | 1977.84                  | 20.87     | 8528.50                  | PASS        |
| Phillips 24-3-23 (Dir) Pad Sec.24-T5N-R67W   | PHILLIPS #24-3-17 (05-123-29447)                | Phillips 24-3-17 (Dir) | Wellbore #1               | Wellbore #1\Wellbore #1   | Drilling        | 761.57                 | 834.89                  | 9528.50                | 9611.92                  | 21.26     | 9611.92                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#05 UPRR 61 PAN AM C #1 (05-123-09638)      | UPRR 61 PAN AM C #1    | UPRR 61 PAN AM C #1 AWB   | UPRR 61 PAN AM C #1 AWP   | Drilling        | 28.50                  | 3231.92                 | 700.00                 | 5354.24                  | 24.22     | 5354.24                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#03 KORI #J 19-15 (05-123-16363)            | KORI #J 19-15          | KORI #J 19-15 AWB         | KORI #J 19-15 AWP         | Drilling        | 28.50                  | 5803.86                 | 700.00                 | 7703.42                  | 28.69     | 7703.42                  | PASS        |
| Sec.23-T5N-R67W  | SHEEP DRAW #23-44 (05-123-11290) PA             | SHEEP DRAW #23-44      | SHEEP DRAW #23-44 AWB     | SHEEP DRAW #23-44 AWP     | Drilling        | 12016.16               | 3317.16                 | 12016.16               | 12805.86                 | 29.32     | 12805.86                 | PASS        |





Closest Approach Clearance Summary Report

WINDOM 02C (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

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| REFERENCE WELLPATH IDENTIFICATION |   |           |                |
|-----------------------------------|---|-----------|----------------|
| Operator                          | PDC ENERGY INC                                  | Well      | WINDOM 02C     |
| Field                             | WELD COUNTY (NAD83/GRID)                        | API/Legal |                |
| Facility                          | SEC.24-T05N-R67W                                | Wellbore  | WINDOM 02C PWB |
| Slot                              | SLOT#02 WINDOM 02C (1862'FSL & 2304'FEL,SEC.24) |           |                |

| CALCULATION RANGE & CUTOFF |                   |                    |
|----------------------------|-------------------|--------------------|
| From: 28.50ft MD           | To: 15998.06ft MD | C-C Cutoff: (none) |

| OFFSET WELL CLEARANCE SUMMARY (95 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane |  |                         |                        |                                   |                 |                        |                         |                        |                          |           |                          |             |
|--|--|-------------------------|------------------------|-----------------------------------|-----------------|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|-------------|
| Offset Facility  | Offset Slot                                  | Offset Well             | Offset Wellbore        | Offset Wellpath                   | Wellbore Status | C-C Clearance Distance |                         |                        | Rule Separation Ratio    |           |                          |             |
|  |  |                         |                        |                                   |                 | Ref MD [ft]            | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | Rule Status |
| Sec.19-T5N-R66W  | CHISMAR #19-22 (05-123-19467) PA             | CHISMAR 19-22           | CHISMAR 19-22          | CHISMAR 19-22\CHISMAR 19-22       | Drilling        | 7385.67                | 2626.28                 | 7385.67                | 7565.68                  | 37.60     | 7565.68                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#13 SHEEP DRAW #19-23 (05-123-11521)     | SHEEP DRAW #19-23       | SHEEP DRAW #19-23 AWB  | SHEEP DRAW #19-23 AWP             | Drilling        | 5881.39                | 3115.48                 | 5881.39                | 7483.26                  | 42.05     | 7483.26                  | PASS        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | BLEHM #7 (05-123-11217) PA                   | BLEHM #7                | BLEHM #7 AWB           | BLEHM #7 AWP                      | Drilling        | 701.55                 | 1260.20                 | 701.55                 | 853.03                   | 42.38     | 7828.50                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#07 KORI J #19-12 (05-123-22721)         | KORI J #19-12           | KORI J #19-12 AWB      | KORI J #19-12 AWB                 | Drilling        | 2217.91                | 2736.83                 | 2217.91                | 7399.77                  | 45.36     | 7399.77                  | PASS        |
| Phillips 24-3-21 (Dir) Pad Sec.24-T5N-R67W   | PHILLIPS #24-3-21 (05-123-29448)             | Phillips 24-3-21 (Dir)  | Wellbore #1            | Wellbore #1\Wellbore #1           | Drilling        | 28.50                  | 1568.91                 | 9528.50                | 11080.09                 | 46.77     | 11080.09                 | PASS        |
| Phillips 24-3-21 (Dir) Pad Sec.24-T5N-R67W   | D.L. PHILLIPS #24-34 (05-123-21349)          | Phillips 24-34 (Exist.) | Wellbore #1            | Wellbore #1\Wellbore #1           | Drilling        | 28.50                  | 1594.99                 | 8728.50                | 10064.52                 | 50.58     | 10064.52                 | PASS        |
| Sec.19-T5N-R66W  | CHISMAR #19-21 (05-123-19466) PA             | CHISMAR 19-21           | CHISMAR 19-21          | CHISMAR 19-21\CHISMAR 19-21       | Drilling        | 7378.41                | 3901.75                 | 7378.41                | 7630.38                  | 55.69     | 7630.38                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#14 CHISMAR #19-24 (05-123-19468)        | CHISMAR #19-24          | CHISMAR #19-24 AWB     | CHISMAR #19-24 AWP                | Drilling        | 6164.61                | 4302.33                 | 6164.61                | 7534.75                  | 57.61     | 7534.75                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#11 KORI J #19-25 (05-123-23230)         | KORI J #19-25           | KORI J #19-25 AWB      | KORI J #19-25 AWP                 | Drilling        | 1149.01                | 3738.39                 | 1149.01                | 7528.50                  | 59.39     | 7528.50                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#06 KORI J #19-11 (05-123-22718)         | KORI J #19-11           | KORI J #19-11 AWB      | KORI J #19-11 AWP                 | Drilling        | 2954.23                | 4133.08                 | 2954.23                | 7530.71                  | 59.62     | 7530.71                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#01 KORI #J 19-13 (05-123-22720)         | KORI #J 19-13           | KORI #J 19-13 AWB      | KORI #J 19-13 AWP                 | Drilling        | 844.48                 | 3383.52                 | 844.48                 | 7396.06                  | 62.19     | 7928.50                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#15 LUNDVALL UP #7-19 (05-123-13484)     | LUNDVALL UP #7-19       | LUNDVALL UP #7-19 AWB  | LUNDVALL UP #7-19 AWP             | Drilling        | 6277.02                | 5267.39                 | 6277.02                | 7628.50                  | 70.03     | 7628.50                  | PASS        |
| Phillips 24-2-20 (Dir) Pad Sec.24-T5N-R67W   | NYC N #24-16 (05-123-21127) PA               | NYC N #24-16            | NYC N #24-16 AWB       | NYC N #24-16 AWP                  | Drilling        | 775.42                 | 2158.15                 | 775.42                 | 7528.50                  | 70.05     | 7528.50                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#02 KORI #J 19-14 (05-123-22719)         | KORI #J 19-14           | KORI #J 19-14 AWB      | KORI #J 19-14 AWP                 | Drilling        | 118.67                 | 4619.41                 | 428.50                 | 7558.32                  | 72.44     | 7558.32                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#09 KORI #J 19-10 (05-123-17994)         | KORI #J 19-10           | KORI #J 19-10 AWB      | KORI #J 19-10 AWP                 | Drilling        | 3488.66                | 5557.60                 | 3488.66                | 7625.53                  | 76.74     | 7625.53                  | PASS        |
| Sec.19-T5N-R66W  | LUNDVALL UP #2-19 (05-123-13483) SI          | LUNDVALL UP 2-19        | LUNDVALL UP 2-19       | LUNDVALL UP 2-19\LUNDVALL UP 2-19 | Drilling        | 7378.61                | 5560.22                 | 7378.61                | 7728.50                  | 78.14     | 7728.50                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#16 HSR-LUNDVALL #8-19 (05-123-20564) TA | HSR-LUNDVALL #8-19      | HSR-LUNDVALL #8-19 AWB | HSR-LUNDVALL #8-19 AWP            | Drilling        | 7328.45                | 6944.99                 | 7328.45                | 7744.47                  | 90.94     | 7744.47                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#10 KORI J #19-23 (05-123-22722)         | KORI J #19-23           | KORI J #19-23 AWB      | KORI J #19-23 AWP                 | Drilling        | 1288.04                | 6470.63                 | 1288.04                | 7628.50                  | 91.31     | 7628.50                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#12 KORI #J 19-9 (05-123-17993)          | KORI #J 19-9            | KORI #J 19-9 AWB       | KORI #J 19-9 AWP                  | Drilling        | 3099.92                | 6870.09                 | 3099.92                | 7676.54                  | 93.04     | 7676.54                  | PASS        |
| SEC.19-T05N-R66W   | SLOT#04 KORI #J 19-16 (05-123-17999)         | KORI #J 19-16           | KORI #J 19-16 AWB      | KORI #J 19-16 AWP                 | Drilling        | 193.56                 | 7112.59                 | 728.50                 | 7689.03                  | 101.41    | 7689.03                  | PASS        |