

**1 General**

**1.1 Customer Information**

|                |              |
|----------------|--------------|
| Company        | PICEANCE VLY |
| Representative |              |
| Address        |              |

**1.2 Well Information**

|                          |                                      |                 |              |
|--------------------------|--------------------------------------|-----------------|--------------|
| Well                     | GM 423-34                            | Wellbore No.    |              |
| Well Name                | GM 423-34                            | Common Name     | GM 423-34    |
| Project                  | GV 34-06S-096W                       | Site            | GM 23-34 Pad |
| Vertical Section Azimuth | 121.48 (°)                           | North Reference | True         |
| Origin N/S               |                                      | Origin E/W      |              |
| Spud Date                | 7/24/2013                            | UWI             | GM 423-34    |
| Active Datum             | KB @5,383.0ft (above Mean Sea Level) |                 |              |

**2 Survey Name**

**2.1 Survey Name: Survey #1**

|              |           |          |  |
|--------------|-----------|----------|--|
| Survey Name  | Survey #1 | Company  |  |
| Date Started | 7/19/2013 | Ended    |  |
| Tool Name    | MWD       | Engineer |  |

**2.1.1 Tie On Point**

| MD (ft) | Inc (°) | Azi (°) | TVD (ft) | N/S (ft) | E/W (ft) |
|---------|---------|---------|----------|----------|----------|
|         |         |         |          |          |          |

**2.1.2 Survey Stations**

| Date | Type | MD (ft) | Inc (°) | Azi (°) | TVD (ft) | N/S (ft) | E/W (ft) | V. Sec (ft) | DLS (°/100ft) | Build Rate (°/100ft) | Turn (°/100ft) | TFace (°) |
|------|------|---------|---------|---------|----------|----------|----------|-------------|---------------|----------------------|----------------|-----------|
|      |      |         |         |         |          |          |          |             |               |                      |                |           |

**2.2 Survey Name: Survey #1**

|              |           |          |  |
|--------------|-----------|----------|--|
| Survey Name  | Survey #1 | Company  |  |
| Date Started | 7/24/2013 | Ended    |  |
| Tool Name    | MWD       | Engineer |  |

**2.2.1 Tie On Point**

| MD (ft) | Inc (°) | Azi (°) | TVD (ft) | N/S (ft) | E/W (ft) |
|---------|---------|---------|----------|----------|----------|
| 0.0     | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     |

**2.2.2 Survey Stations**

| Date      | Type   | MD (ft) | Inc (°) | Azi (°) | TVD (ft) | N/S (ft) | E/W (ft) | V. Sec (ft) | DLS (°/100ft) | Build Rate (°/100ft) | Turn (°/100ft) | TFace (°) |
|-----------|--------|---------|---------|---------|----------|----------|----------|-------------|---------------|----------------------|----------------|-----------|
| 7/24/2013 | Tie On | 0.0     | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00        | 0.00          | 0.00                 | 0.00           | 0.00      |
| 7/24/2013 | NORMAL | 103.0   | 0.88    | 111.27  | 103.00   | -0.29    | 0.74     | 0.78        | 0.85          | 0.85                 | 0.00           | 111.27    |
|           | NORMAL | 133.0   | 2.46    | 106.70  | 132.98   | -0.56    | 1.57     | 1.63        | 5.28          | 5.27                 | -15.23         | 352.89    |

2.2.2 Survey Stations (Continued)

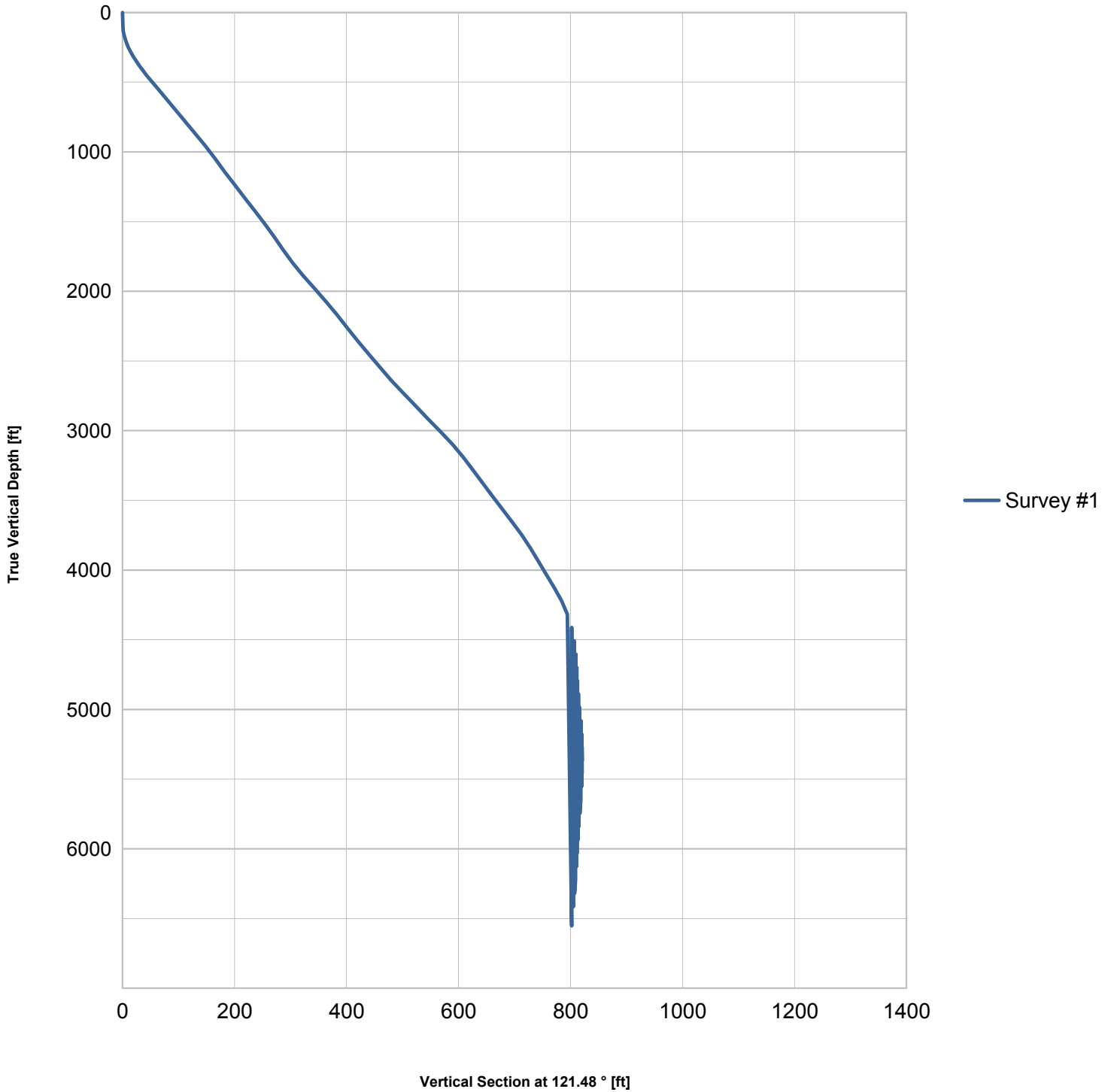
| Date      | Type   | MD (ft) | Inc (°) | Azi (°) | TVD (ft) | N/S (ft) | E/W (ft) | V. Sec (ft) | DLS (°/100ft) | Build Rate (°/100ft) | Turn (°/100ft) | TFace (°) |
|-----------|--------|---------|---------|---------|----------|----------|----------|-------------|---------------|----------------------|----------------|-----------|
| 7/24/2013 | NORMAL | 164.0   | 3.87    | 110.04  | 163.93   | -1.11    | 3.19     | 3.30        | 4.59          | 4.55                 | 10.77          | 9.12      |
|           | NORMAL | 194.0   | 4.22    | 121.46  | 193.86   | -2.03    | 5.08     | 5.39        | 2.92          | 1.17                 | 38.07          | 72.28     |
|           | NORMAL | 224.0   | 5.37    | 121.29  | 223.75   | -3.33    | 7.22     | 7.90        | 3.83          | 3.83                 | -0.57          | 359.21    |
|           | NORMAL | 254.0   | 6.42    | 118.04  | 253.60   | -4.85    | 9.90     | 10.98       | 3.67          | 3.50                 | -10.83         | 340.74    |
|           | NORMAL | 284.0   | 7.92    | 124.01  | 283.36   | -6.80    | 13.10    | 14.72       | 5.58          | 5.00                 | 19.90          | 29.40     |
|           | NORMAL | 315.0   | 8.45    | 121.73  | 314.04   | -9.19    | 16.80    | 19.13       | 2.00          | 1.71                 | -7.35          | 327.38    |
|           | NORMAL | 345.0   | 8.97    | 124.37  | 343.70   | -11.67   | 20.61    | 23.67       | 2.19          | 1.73                 | 8.80           | 38.86     |
|           | NORMAL | 386.0   | 10.29   | 123.94  | 384.12   | -15.52   | 26.29    | 30.52       | 3.22          | 3.22                 | -1.05          | 356.67    |
|           | NORMAL | 416.0   | 10.73   | 124.91  | 413.62   | -18.61   | 30.80    | 35.98       | 1.58          | 1.47                 | 3.23           | 22.38     |
|           | NORMAL | 447.0   | 11.29   | 123.88  | 444.05   | -21.95   | 35.68    | 41.90       | 1.91          | 1.81                 | -3.32          | 340.14    |
|           | NORMAL | 477.0   | 11.80   | 124.10  | 473.44   | -25.31   | 40.66    | 47.90       | 1.71          | 1.70                 | 0.73           | 5.04      |
|           | NORMAL | 537.0   | 11.96   | 122.26  | 532.15   | -32.07   | 51.00    | 60.24       | 0.69          | 0.27                 | -3.07          | 292.00    |
|           | NORMAL | 598.0   | 11.47   | 119.93  | 591.88   | -38.47   | 61.60    | 72.62       | 1.12          | -0.80                | -3.82          | 222.86    |
|           | NORMAL | 660.0   | 11.54   | 117.44  | 652.64   | -44.40   | 72.45    | 84.97       | 0.81          | 0.11                 | -4.02          | 276.80    |
| 7/25/2013 | NORMAL | 724.0   | 11.78   | 117.43  | 715.32   | -50.36   | 83.93    | 97.87       | 0.38          | 0.38                 | -0.02          | 359.51    |
|           | NORMAL | 784.0   | 12.26   | 117.61  | 774.00   | -56.14   | 95.01    | 110.34      | 0.80          | 0.80                 | 0.30           | 4.55      |
|           | NORMAL | 876.0   | 11.25   | 121.04  | 864.07   | -65.29   | 111.35   | 129.06      | 1.33          | -1.10                | 3.73           | 146.99    |
|           | NORMAL | 968.0   | 11.69   | 120.95  | 954.23   | -74.71   | 127.04   | 147.35      | 0.48          | 0.48                 | -0.10          | 357.63    |
|           | NORMAL | 1,063.0 | 10.20   | 124.03  | 1,047.50 | -84.37   | 142.26   | 165.38      | 1.68          | -1.57                | 3.24           | 160.08    |
|           | NORMAL | 1,158.0 | 10.37   | 126.22  | 1,140.98 | -94.13   | 156.13   | 182.31      | 0.45          | 0.18                 | 2.31           | 67.58     |
|           | NORMAL | 1,252.0 | 10.86   | 123.06  | 1,233.37 | -103.96  | 170.38   | 199.59      | 0.81          | 0.52                 | -3.36          | 308.53    |
|           | NORMAL | 1,346.0 | 10.95   | 122.62  | 1,325.67 | -113.60  | 185.32   | 217.37      | 0.13          | 0.10                 | -0.47          | 317.02    |
|           | NORMAL | 1,441.0 | 11.03   | 121.74  | 1,418.93 | -123.25  | 200.65   | 235.48      | 0.20          | 0.08                 | -0.93          | 295.06    |
| 7/26/2013 | NORMAL | 1,537.0 | 10.55   | 122.01  | 1,513.23 | -132.74  | 215.91   | 253.45      | 0.50          | -0.50                | 0.28           | 174.12    |
|           | NORMAL | 1,632.0 | 10.07   | 122.09  | 1,606.70 | -141.76  | 230.32   | 270.45      | 0.51          | -0.51                | 0.08           | 178.33    |
|           | NORMAL | 1,727.0 | 9.36    | 122.97  | 1,700.34 | -150.37  | 243.84   | 286.48      | 0.76          | -0.75                | 0.93           | 168.62    |
|           | NORMAL | 1,823.0 | 11.16   | 119.98  | 1,794.80 | -159.27  | 258.44   | 303.57      | 1.95          | 1.88                 | -3.11          | 342.04    |
|           | NORMAL | 1,918.0 | 12.04   | 119.02  | 1,887.86 | -168.67  | 275.07   | 322.66      | 0.95          | 0.93                 | -1.01          | 347.16    |
|           | NORMAL | 2,014.0 | 12.48   | 117.96  | 1,981.67 | -178.39  | 292.98   | 343.02      | 0.51          | 0.46                 | -1.10          | 332.39    |
|           | NORMAL | 2,109.0 | 12.53   | 117.61  | 2,074.41 | -187.98  | 311.18   | 363.54      | 0.10          | 0.05                 | -0.37          | 303.24    |
|           | NORMAL | 2,205.0 | 11.16   | 119.02  | 2,168.37 | -197.31  | 328.53   | 383.22      | 1.46          | -1.43                | 1.47           | 168.76    |
|           | NORMAL | 2,300.0 | 10.68   | 118.05  | 2,261.65 | -205.91  | 344.34   | 401.19      | 0.54          | -0.51                | -1.02          | 200.47    |
|           | NORMAL | 2,396.0 | 11.82   | 122.18  | 2,355.80 | -215.33  | 360.52   | 419.90      | 1.45          | 1.19                 | 4.30           | 37.29     |
|           | NORMAL | 2,491.0 | 11.91   | 119.54  | 2,448.77 | -225.34  | 377.28   | 439.43      | 0.58          | 0.09                 | -2.78          | 278.12    |
|           | NORMAL | 2,586.0 | 12.13   | 120.95  | 2,541.69 | -235.31  | 394.37   | 459.21      | 0.39          | 0.23                 | 1.48           | 53.85     |
|           | NORMAL | 2,682.0 | 12.19   | 124.73  | 2,635.54 | -246.27  | 411.35   | 479.41      | 0.83          | 0.06                 | 3.94           | 87.54     |
|           | NORMAL | 2,777.0 | 14.02   | 122.71  | 2,728.06 | -258.21  | 429.28   | 500.93      | 1.99          | 1.93                 | -2.13          | 344.96    |
|           | NORMAL | 2,872.0 | 13.06   | 123.32  | 2,820.42 | -270.32  | 447.93   | 523.16      | 1.02          | -1.01                | 0.64           | 171.83    |
|           | NORMAL | 2,967.0 | 13.36   | 122.09  | 2,912.91 | -282.05  | 466.20   | 544.87      | 0.43          | 0.32                 | -1.29          | 316.26    |
|           | NORMAL | 3,061.0 | 13.98   | 120.69  | 3,004.24 | -293.61  | 485.16   | 567.08      | 0.75          | 0.66                 | -1.49          | 331.23    |
|           | NORMAL | 3,156.0 | 12.79   | 121.74  | 3,096.66 | -305.00  | 503.97   | 589.07      | 1.28          | -1.25                | 1.11           | 168.97    |
|           | NORMAL | 3,252.0 | 10.77   | 121.65  | 3,190.63 | -315.30  | 520.65   | 608.67      | 2.10          | -2.10                | -0.09          | 180.48    |
|           | NORMAL | 3,345.0 | 10.55   | 120.34  | 3,282.03 | -324.16  | 535.39   | 625.87      | 0.35          | -0.24                | -1.41          | 227.12    |
|           | NORMAL | 3,441.0 | 10.37   | 118.58  | 3,376.43 | -332.73  | 550.56   | 643.29      | 0.38          | -0.19                | -1.83          | 239.74    |
|           | NORMAL | 3,536.0 | 10.59   | 121.65  | 3,469.85 | -341.40  | 565.50   | 660.56      | 0.63          | 0.23                 | 3.23           | 70.01     |
|           | NORMAL | 3,631.0 | 11.21   | 121.21  | 3,563.14 | -350.77  | 580.83   | 678.52      | 0.66          | 0.65                 | -0.46          | 352.14    |
|           | NORMAL | 3,726.0 | 10.29   | 119.81  | 3,656.47 | -359.77  | 596.09   | 696.23      | 1.01          | -0.97                | -1.47          | 195.16    |
|           | NORMAL | 3,821.0 | 10.24   | 121.39  | 3,749.95 | -368.39  | 610.66   | 713.16      | 0.30          | -0.05                | 1.66           | 100.85    |
|           | NORMAL | 3,916.0 | 8.57    | 121.48  | 3,843.67 | -376.48  | 623.91   | 728.68      | 1.76          | -1.76                | 0.09           | 179.54    |
|           | NORMAL | 4,012.0 | 8.66    | 120.34  | 3,938.58 | -383.87  | 636.25   | 743.06      | 0.20          | 0.09                 | -1.19          | 297.23    |
| 7/27/2013 | NORMAL | 4,108.0 | 8.40    | 111.72  | 4,033.53 | -390.12  | 649.00   | 757.20      | 1.36          | -0.27                | -8.98          | 254.26    |
|           | NORMAL | 4,203.0 | 8.70    | 111.02  | 4,127.47 | -395.26  | 662.15   | 771.10      | 0.33          | 0.32                 | -0.74          | 340.52    |
|           | NORMAL | 4,298.0 | 7.21    | 109.96  | 4,221.55 | -399.87  | 674.46   | 784.01      | 1.58          | -1.57                | -1.12          | 185.10    |
|           | NORMAL | 4,394.0 | 5.63    | 109.79  | 4,316.95 | -403.52  | 684.56   | 794.53      | 1.65          | -1.65                | -0.18          | 180.60    |
|           | NORMAL | 4,489.0 | 3.87    | 106.54  | 4,411.62 | -406.02  | 692.02   | 802.19      | 1.87          | -1.85                | -3.42          | 187.08    |
|           | NORMAL | 4,585.0 | 2.24    | 98.80   | 4,507.48 | -407.22  | 696.98   | 807.05      | 1.75          | -1.70                | -8.06          | 190.36    |
|           | NORMAL | 4,680.0 | 1.10    | 83.86   | 4,602.44 | -407.41  | 699.72   | 809.48      | 1.27          | -1.20                | -15.73         | 193.55    |

2.2.2 Survey Stations (Continued)

| Date      | Type   | MD (ft) | Inc (°) | Azi (°) | TVD (ft) | N/S (ft) | E/W (ft) | V. Sec (ft) | DLS (°/100ft) | Build Rate (°/100ft) | Turn (°/100ft) | TFace (°) |
|-----------|--------|---------|---------|---------|----------|----------|----------|-------------|---------------|----------------------|----------------|-----------|
| 7/27/2013 | NORMAL | 4,775.0 | 0.97    | 103.81  | 4,697.42 | -407.51  | 701.40   | 810.97      | 0.40          | -0.14                | 21.00          | 119.62    |
|           | NORMAL | 4,871.0 | 1.01    | 142.75  | 4,793.41 | -408.37  | 702.71   | 812.54      | 0.69          | 0.04                 | 40.56          | 106.20    |
|           | NORMAL | 4,966.0 | 1.23    | 125.52  | 4,888.39 | -409.63  | 704.04   | 814.33      | 0.42          | 0.23                 | -18.14         | 294.34    |
|           | NORMAL | 5,062.0 | 1.36    | 131.15  | 4,984.37 | -410.98  | 705.74   | 816.48      | 0.19          | 0.14                 | 5.86           | 47.22     |
|           | NORMAL | 5,158.0 | 1.50    | 145.74  | 5,080.34 | -412.77  | 707.30   | 818.75      | 0.40          | 0.15                 | 15.20          | 76.36     |
|           | NORMAL | 5,253.0 | 0.44    | 148.20  | 5,175.32 | -414.11  | 708.20   | 820.21      | 1.12          | -1.12                | 2.59           | 178.98    |
|           | NORMAL | 5,348.0 | 0.48    | 181.42  | 5,270.32 | -414.81  | 708.38   | 820.74      | 0.28          | 0.04                 | 34.97          | 98.32     |
|           | NORMAL | 5,442.0 | 0.92    | 213.24  | 5,364.31 | -415.84  | 707.96   | 820.91      | 0.61          | 0.47                 | 33.85          | 58.12     |
|           | NORMAL | 5,538.0 | 1.14    | 228.27  | 5,460.30 | -417.12  | 706.82   | 820.61      | 0.36          | 0.23                 | 15.66          | 58.52     |
| 7/28/2013 | NORMAL | 5,632.0 | 2.15    | 226.07  | 5,554.26 | -418.96  | 704.85   | 819.90      | 1.08          | 1.07                 | -2.34          | 355.32    |
|           | NORMAL | 5,729.0 | 1.36    | 280.38  | 5,651.22 | -420.02  | 702.41   | 818.37      | 1.80          | -0.81                | 55.99          | 140.84    |
|           | NORMAL | 5,823.0 | 1.54    | 239.78  | 5,745.19 | -420.45  | 700.22   | 816.73      | 1.09          | 0.19                 | -43.19         | 259.23    |
|           | NORMAL | 5,918.0 | 1.32    | 304.82  | 5,840.16 | -420.47  | 698.22   | 815.03      | 1.63          | -0.23                | 68.46          | 129.39    |
|           | NORMAL | 6,014.0 | 0.92    | 326.00  | 5,936.15 | -419.20  | 696.88   | 813.22      | 0.59          | -0.42                | 22.06          | 144.27    |
|           | NORMAL | 6,110.0 | 0.83    | 296.03  | 6,032.14 | -418.26  | 695.82   | 811.83      | 0.48          | -0.09                | -31.22         | 244.14    |
|           | NORMAL | 6,205.0 | 0.88    | 263.25  | 6,127.13 | -418.04  | 694.48   | 810.57      | 0.51          | 0.05                 | -34.51         | 259.29    |
|           | NORMAL | 6,301.0 | 1.27    | 260.96  | 6,223.11 | -418.30  | 692.70   | 809.18      | 0.41          | 0.41                 | -2.39          | 352.57    |
|           | NORMAL | 6,397.0 | 1.58    | 260.70  | 6,319.08 | -418.68  | 690.34   | 807.37      | 0.32          | 0.32                 | -0.27          | 358.68    |
|           | NORMAL | 6,492.0 | 2.33    | 248.48  | 6,414.02 | -419.60  | 687.25   | 805.22      | 0.90          | 0.79                 | -12.86         | 324.73    |
|           | NORMAL | 6,630.0 | 2.37    | 240.39  | 6,551.91 | -422.04  | 682.16   | 802.15      | 0.24          | 0.03                 | -5.86          | 272.82    |

### 3 Charts

#### 3.1 Vertical Section View



3.2 Plan View

