

1 General

1.1 Customer Information

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

1.2 Well Information

| | | | |
|--------------------------|--------------------------------------|-----------------|---------------|
| Well | RWF 413-35 | Wellbore No. | |
| Well Name | RWF 413-35 | Common Name | RWF 413-35 |
| Project | RU 35-06S-094W | Site | RMV 15-35 Pad |
| Vertical Section Azimuth | 183.74 (°) | North Reference | True |
| Origin N/S | | Origin E/W | |
| Spud Date | 9/11/2012 | UWI | RWF 413-35 |
| Active Datum | KB @5,575.7ft (above Mean Sea Level) | | |

2 Survey Name

2.1 Survey Name: Survey #1

| | | | |
|--------------|-----------|----------|--|
| Survey Name | Survey #1 | Company | |
| Date Started | 9/11/2012 | Ended | |
| Tool Name | MWD | Engineer | |

2.1.1 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 |

2.1.2 Survey Stations

5622

| 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 (°) |
|-----------|--------|---------|---------|---------|----------|----------|----------|-------------|---------------|----------------------|----------------|-----------|
| 9/11/2012 | Tie On | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9/11/2012 | NORMAL | 86.0 | 0.44 | 218.41 | 86.00 | -0.26 | -0.21 | 0.27 | 0.51 | 0.51 | 0.00 | 218.41 |
| | NORMAL | 179.0 | 3.34 | 187.56 | 178.94 | -3.22 | -0.78 | 3.27 | 3.19 | 3.12 | -33.17 | 324.80 |
| 9/12/2012 | NORMAL | 271.0 | 6.33 | 193.27 | 270.60 | -10.82 | -2.30 | 10.95 | 3.29 | 3.25 | 6.21 | 12.00 |
| | NORMAL | 363.0 | 8.53 | 187.29 | 361.83 | -22.53 | -4.33 | 22.76 | 2.53 | 2.39 | -6.50 | 337.65 |
| | NORMAL | 453.0 | 11.00 | 183.96 | 450.52 | -37.71 | -5.77 | 38.01 | 2.81 | 2.74 | -3.70 | 345.47 |
| | NORMAL | 524.0 | 12.64 | 187.21 | 520.01 | -52.18 | -7.21 | 52.54 | 2.49 | 2.31 | 4.58 | 23.69 |
| | NORMAL | 615.0 | 12.47 | 179.46 | 608.84 | -71.88 | -8.37 | 72.28 | 1.86 | -0.19 | -8.52 | 260.46 |
| | NORMAL | 707.0 | 13.27 | 178.96 | 698.53 | -92.37 | -8.09 | 92.70 | 0.88 | 0.87 | -0.54 | 351.83 |
| | NORMAL | 797.0 | 12.42 | 182.30 | 786.28 | -112.37 | -8.29 | 112.67 | 1.25 | -0.94 | 3.71 | 140.48 |
| | NORMAL | 889.0 | 13.30 | 181.38 | 875.97 | -132.84 | -8.94 | 133.14 | 0.98 | 0.96 | -1.00 | 346.45 |
| | NORMAL | 979.0 | 13.20 | 182.12 | 963.57 | -153.46 | -9.57 | 153.75 | 0.22 | -0.11 | 0.82 | 120.88 |
| | NORMAL | 1,069.0 | 12.69 | 183.06 | 1,051.28 | -173.60 | -10.48 | 173.91 | 0.61 | -0.57 | 1.04 | 158.02 |
| | NORMAL | 1,110.0 | 13.10 | 181.60 | 1,091.25 | -182.74 | -10.85 | 183.06 | 1.28 | 1.00 | -3.56 | 320.81 |
| 9/13/2012 | NORMAL | 1,259.0 | 14.24 | 182.14 | 1,236.03 | -217.93 | -12.00 | 218.25 | 0.77 | 0.77 | 0.36 | 6.65 |
| | NORMAL | 1,355.0 | 12.50 | 182.35 | 1,329.42 | -240.11 | -12.87 | 240.44 | 1.81 | -1.81 | 0.22 | 178.50 |
| | NORMAL | 1,451.0 | 12.40 | 181.17 | 1,423.16 | -260.80 | -13.51 | 261.12 | 0.28 | -0.10 | -1.23 | 247.97 |
| 9/14/2012 | NORMAL | 1,546.0 | 12.13 | 181.87 | 1,516.00 | -280.97 | -14.04 | 281.29 | 0.32 | -0.28 | 0.74 | 151.50 |
| | NORMAL | 1,642.0 | 11.96 | 184.42 | 1,609.88 | -300.97 | -15.13 | 301.32 | 0.58 | -0.18 | 2.66 | 108.96 |
| | NORMAL | 1,738.0 | 12.31 | 183.21 | 1,703.74 | -321.10 | -16.47 | 321.49 | 0.45 | 0.36 | -1.26 | 323.40 |
| | NORMAL | 1,832.0 | 11.87 | 184.68 | 1,795.65 | -340.74 | -17.82 | 341.18 | 0.57 | -0.47 | 1.56 | 145.73 |

2.1.2 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 (°) |
|-----------|--------|------------|------------|------------|-------------|-------------|-------------|----------------|------------------|-------------------------|-------------------|--------------|
| 9/14/2012 | NORMAL | 1,927.0 | 13.19 | 185.21 | 1,888.39 | -361.28 | -19.61 | 361.79 | 1.39 | 1.39 | 0.56 | 5.24 |
| | NORMAL | 2,023.0 | 13.89 | 183.01 | 1,981.72 | -383.69 | -21.21 | 384.26 | 0.91 | 0.73 | -2.29 | 322.58 |
| | NORMAL | 2,119.0 | 13.63 | 182.57 | 2,074.96 | -406.50 | -22.32 | 407.09 | 0.29 | -0.27 | -0.46 | 201.71 |
| | NORMAL | 2,213.0 | 13.80 | 181.27 | 2,166.28 | -428.77 | -23.06 | 429.36 | 0.37 | 0.18 | -1.38 | 298.25 |
| | NORMAL | 2,307.0 | 13.22 | 180.53 | 2,257.68 | -450.73 | -23.41 | 451.30 | 0.64 | -0.62 | -0.79 | 196.24 |
| | NORMAL | 2,402.0 | 12.71 | 177.87 | 2,350.26 | -472.03 | -23.12 | 472.54 | 0.83 | -0.54 | -2.80 | 228.19 |
| | NORMAL | 2,498.0 | 12.19 | 184.42 | 2,444.01 | -492.69 | -23.51 | 493.18 | 1.57 | -0.54 | 6.82 | 113.39 |
| | NORMAL | 2,594.0 | 11.85 | 180.77 | 2,537.90 | -512.66 | -24.43 | 513.16 | 0.87 | -0.35 | -3.80 | 244.12 |
| | NORMAL | 2,689.0 | 13.00 | 185.73 | 2,630.68 | -533.04 | -25.62 | 533.58 | 1.65 | 1.21 | 5.22 | 45.30 |
| | NORMAL | 2,784.0 | 12.91 | 185.66 | 2,723.26 | -554.23 | -27.74 | 554.86 | 0.10 | -0.09 | -0.07 | 189.86 |
| 9/15/2012 | NORMAL | 2,880.0 | 12.43 | 183.46 | 2,816.93 | -575.22 | -29.42 | 575.91 | 0.71 | -0.50 | -2.29 | 224.08 |
| | NORMAL | 2,975.0 | 12.93 | 188.37 | 2,909.61 | -595.94 | -31.58 | 596.73 | 1.25 | 0.53 | 5.17 | 67.52 |
| | NORMAL | 3,071.0 | 13.10 | 189.95 | 3,003.15 | -617.28 | -35.03 | 618.25 | 0.41 | 0.18 | 1.65 | 65.23 |
| | NORMAL | 3,166.0 | 12.93 | 180.90 | 3,095.71 | -638.52 | -37.05 | 639.57 | 2.15 | -0.18 | -9.53 | 260.83 |
| | NORMAL | 3,259.0 | 12.75 | 181.52 | 3,186.39 | -659.18 | -37.49 | 660.22 | 0.24 | -0.19 | 0.67 | 142.87 |
| | NORMAL | 3,355.0 | 13.19 | 182.32 | 3,279.94 | -680.71 | -38.21 | 681.76 | 0.50 | 0.46 | 0.83 | 22.59 |
| | NORMAL | 3,449.0 | 13.28 | 183.27 | 3,371.44 | -702.21 | -39.26 | 703.27 | 0.25 | 0.10 | 1.01 | 67.98 |
| | NORMAL | 3,545.0 | 13.42 | 182.46 | 3,464.85 | -724.35 | -40.37 | 725.44 | 0.24 | 0.15 | -0.84 | 306.42 |
| | NORMAL | 3,640.0 | 12.75 | 180.55 | 3,557.38 | -745.84 | -40.94 | 746.92 | 0.84 | -0.71 | -2.01 | 211.91 |
| | NORMAL | 3,736.0 | 12.49 | 182.40 | 3,651.06 | -766.81 | -41.48 | 767.88 | 0.50 | -0.27 | 1.93 | 123.65 |
| | NORMAL | 3,831.0 | 12.44 | 179.16 | 3,743.82 | -787.30 | -41.76 | 788.35 | 0.74 | -0.05 | -3.41 | 264.33 |
| | NORMAL | 3,927.0 | 12.42 | 180.51 | 3,837.57 | -807.96 | -41.70 | 808.96 | 0.30 | -0.02 | 1.41 | 94.60 |
| | NORMAL | 4,022.0 | 12.28 | 179.45 | 3,930.38 | -828.28 | -41.69 | 829.24 | 0.28 | -0.15 | -1.12 | 237.79 |
| | NORMAL | 4,117.0 | 11.22 | 183.10 | 4,023.39 | -847.61 | -42.10 | 848.56 | 1.36 | -1.12 | 3.84 | 146.74 |
| | NORMAL | 4,212.0 | 10.16 | 184.04 | 4,116.74 | -865.20 | -43.19 | 866.18 | 1.13 | -1.12 | 0.99 | 171.12 |
| | NORMAL | 4,307.0 | 10.08 | 182.19 | 4,210.26 | -881.87 | -44.10 | 882.87 | 0.35 | -0.08 | -1.95 | 255.26 |
| | NORMAL | 4,402.0 | 8.53 | 183.96 | 4,304.01 | -897.20 | -44.90 | 898.22 | 1.66 | -1.63 | 1.86 | 170.41 |
| 9/16/2012 | NORMAL | 4,498.0 | 7.07 | 185.93 | 4,399.11 | -910.18 | -46.00 | 911.25 | 1.55 | -1.52 | 2.05 | 170.60 |
| | NORMAL | 4,593.0 | 6.24 | 188.81 | 4,493.47 | -921.10 | -47.40 | 922.23 | 0.94 | -0.87 | 3.03 | 159.52 |
| | NORMAL | 4,689.0 | 5.01 | 185.30 | 4,589.01 | -930.43 | -48.58 | 931.62 | 1.33 | -1.28 | -3.66 | 193.88 |
| | NORMAL | 4,784.0 | 5.06 | 185.41 | 4,683.64 | -938.73 | -49.36 | 939.95 | 0.05 | 0.05 | 0.12 | 10.98 |
| | NORMAL | 4,879.0 | 4.58 | 187.66 | 4,778.31 | -946.66 | -50.26 | 947.93 | 0.54 | -0.51 | 2.37 | 159.62 |
| | NORMAL | 4,974.0 | 3.00 | 196.59 | 4,873.10 | -952.81 | -51.48 | 954.13 | 1.77 | -1.66 | 9.40 | 163.93 |
| | NORMAL | 5,068.0 | 1.85 | 187.72 | 4,967.01 | -956.67 | -52.38 | 958.05 | 1.28 | -1.22 | -9.44 | 193.68 |
| | NORMAL | 5,163.0 | 1.76 | 195.05 | 5,061.97 | -959.59 | -52.97 | 961.01 | 0.26 | -0.09 | 7.72 | 114.93 |
| 9/17/2012 | NORMAL | 5,259.0 | 1.43 | 190.14 | 5,157.93 | -962.20 | -53.56 | 963.64 | 0.37 | -0.34 | -5.11 | 200.05 |
| | NORMAL | 5,354.0 | 0.62 | 177.52 | 5,252.91 | -963.88 | -53.75 | 965.33 | 0.88 | -0.85 | -13.28 | 189.32 |
| | NORMAL | 5,450.0 | 0.83 | 177.70 | 5,348.90 | -965.09 | -53.70 | 966.54 | 0.22 | 0.22 | 0.19 | 0.71 |
| | NORMAL | 5,546.0 | 0.17 | 40.65 | 5,444.90 | -965.68 | -53.58 | 967.12 | 1.00 | -0.69 | -142.76 | 186.92 |
| | NORMAL | 5,641.0 | 0.54 | 48.31 | 5,539.90 | -965.27 | -53.15 | 966.68 | 0.39 | 0.39 | 8.06 | 11.15 |
| | NORMAL | 5,734.0 | 0.55 | 16.10 | 5,632.90 | -964.55 | -52.70 | 965.94 | 0.33 | 0.01 | -34.63 | 255.72 |
| | NORMAL | 5,828.0 | 0.44 | 17.93 | 5,726.89 | -963.78 | -52.46 | 965.15 | 0.12 | -0.12 | 1.95 | 172.74 |
| | NORMAL | 5,924.0 | 0.21 | 306.45 | 5,822.89 | -963.32 | -52.49 | 964.69 | 0.44 | -0.24 | -74.46 | 208.08 |
| | NORMAL | 6,019.0 | 0.24 | 245.90 | 5,917.89 | -963.30 | -52.81 | 964.69 | 0.24 | 0.03 | -63.74 | 246.24 |
| | NORMAL | 6,115.0 | 0.08 | 143.83 | 6,013.89 | -963.44 | -52.96 | 964.84 | 0.28 | -0.17 | -106.32 | 196.95 |
| | NORMAL | 6,210.0 | 0.35 | 127.11 | 6,108.89 | -963.66 | -52.69 | 965.05 | 0.29 | 0.28 | -17.60 | 338.47 |
| | NORMAL | 6,303.0 | 0.64 | 169.32 | 6,201.89 | -964.35 | -52.36 | 965.71 | 0.48 | 0.31 | 45.39 | 73.91 |
| | NORMAL | 6,398.0 | 0.55 | 131.08 | 6,296.88 | -965.17 | -51.92 | 966.50 | 0.42 | -0.09 | -40.25 | 238.57 |
| | NORMAL | 6,494.0 | 0.89 | 162.49 | 6,392.87 | -966.18 | -51.35 | 967.47 | 0.53 | 0.35 | 32.72 | 65.68 |
| | NORMAL | 6,589.0 | 0.30 | 43.03 | 6,487.87 | -966.70 | -50.96 | 967.97 | 1.13 | -0.62 | -125.75 | 194.13 |
| 9/18/2012 | NORMAL | 6,685.0 | 0.15 | 353.18 | 6,583.87 | -966.39 | -50.80 | 967.65 | 0.24 | -0.16 | -51.93 | 209.42 |
| | NORMAL | 6,780.0 | 0.34 | 205.25 | 6,678.87 | -966.53 | -50.94 | 967.79 | 0.50 | 0.20 | -155.72 | 202.39 |
| | NORMAL | 6,887.0 | 1.14 | 223.79 | 6,785.86 | -967.58 | -51.81 | 968.90 | 0.77 | 0.75 | 17.33 | 26.07 |
| | NORMAL | 6,969.0 | 1.02 | 252.24 | 6,867.85 | -968.39 | -53.07 | 969.79 | 0.66 | -0.15 | 34.70 | 116.58 |
| | NORMAL | 7,065.0 | 0.59 | 276.71 | 6,963.84 | -968.60 | -54.37 | 970.08 | 0.56 | -0.45 | 25.49 | 153.16 |
| | NORMAL | 7,161.0 | 0.97 | 237.59 | 7,059.83 | -968.97 | -55.55 | 970.53 | 0.66 | 0.40 | -40.75 | 284.88 |
| | NORMAL | 7,256.0 | 1.41 | 239.26 | 7,154.81 | -970.00 | -57.23 | 971.67 | 0.46 | 0.46 | 1.76 | 5.34 |

2.1.2 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 (°) |
|-----------|--------|------------|------------|------------|-------------|-------------|-------------|----------------|------------------|-------------------------|-------------------|--------------|
| 9/19/2012 | NORMAL | 7,750.0 | 2.02 | 240.14 | 7,648.62 | -978.60 | -67.15 | 980.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9/19/2012 | NORMAL | 7,352.0 | 1.14 | 214.92 | 7,250.78 | -971.39 | -58.80 | 973.15 | 0.62 | -0.28 | -25.35 | 231.68 |
| | NORMAL | 7,447.0 | 1.32 | 214.74 | 7,345.76 | -973.06 | -59.96 | 974.90 | 0.19 | 0.19 | -0.19 | 358.68 |
| | NORMAL | 7,541.0 | 1.58 | 233.11 | 7,439.73 | -974.73 | -61.61 | 976.67 | 0.56 | 0.28 | 19.54 | 70.17 |
| | NORMAL | 7,636.0 | 1.85 | 229.86 | 7,534.69 | -976.50 | -63.83 | 978.59 | 0.30 | 0.28 | -3.42 | 338.56 |
| | NORMAL | 7,694.0 | 2.02 | 240.14 | 7,592.66 | -977.62 | -65.44 | 979.80 | 0.67 | 0.29 | 17.72 | 69.10 |