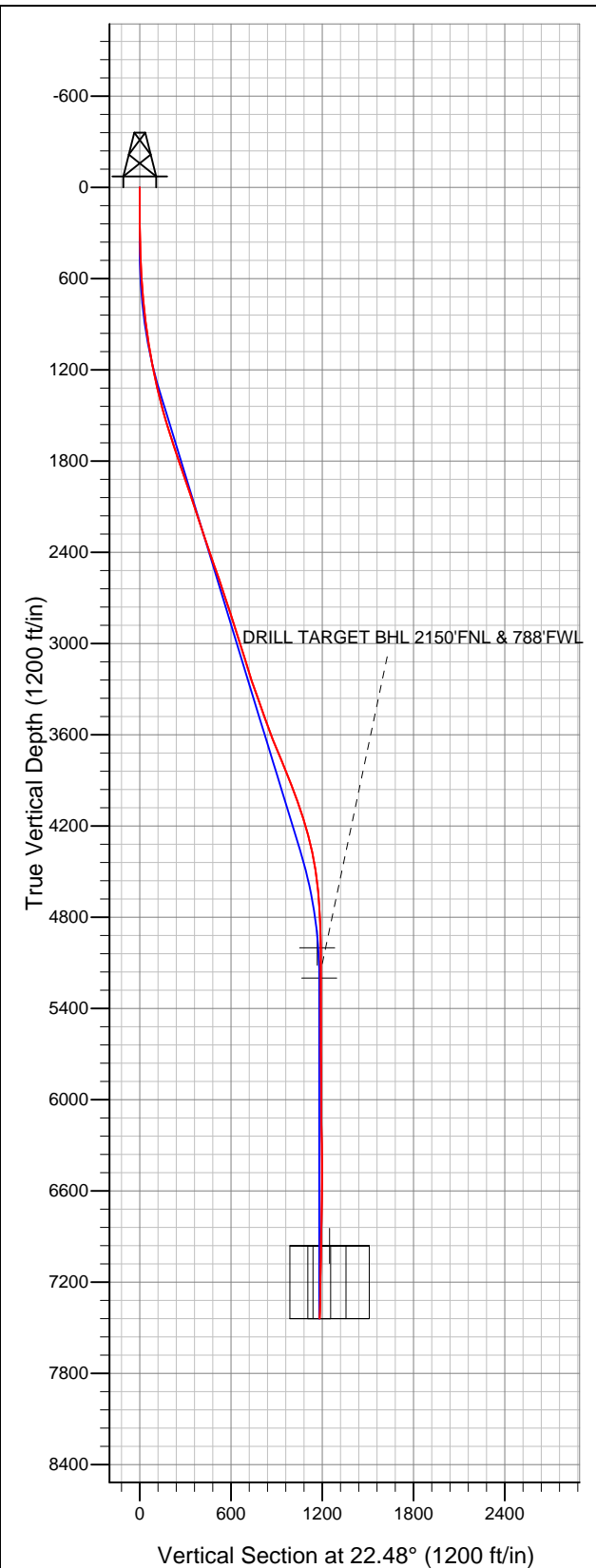




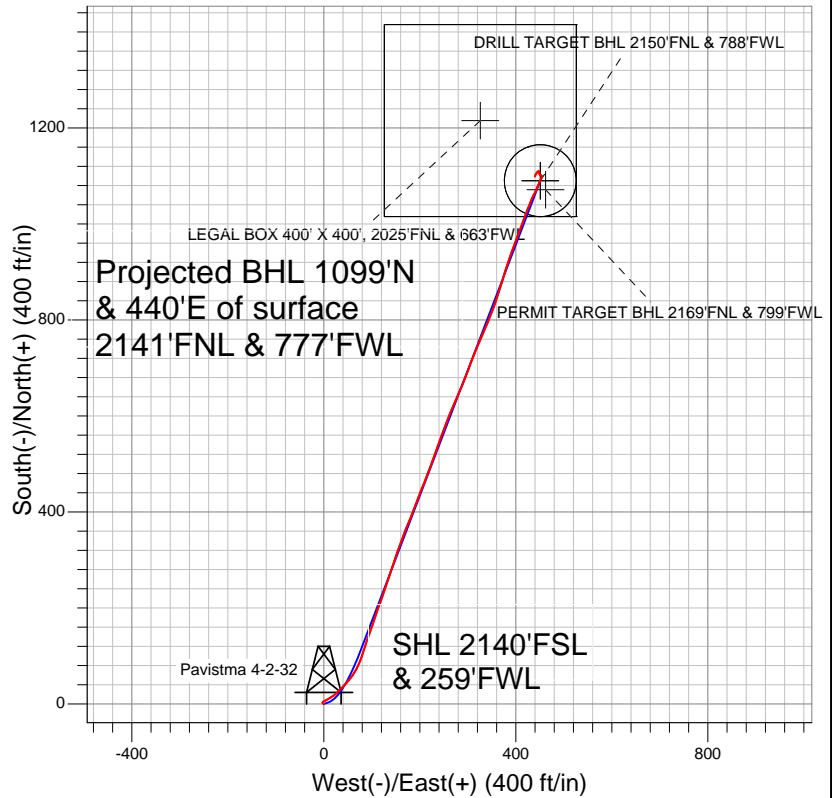
## Well Name: Pavistma 4-2-32

Surface Location: Pavistma 5-1-32 Pad Sec.32-T6N-R67W  
North American Datum 1983 US State Plane 1983Colorado Northern Zone  
Ground Elevation: 4954.0

| +N/-S | +E/-W | Northing           | Easting                              | Latitude  | Longitude   | Slot |
|-------|-------|--------------------|--------------------------------------|-----------|-------------|------|
| 0.0   | 0.0   | 1404322.05         | 3160124.21                           | 40.441840 | -104.924710 |      |
|       |       | Original Well Elev | WELL @ 4967.0ft (Original Well Elev) |           |             |      |



## Tekton Energy



### LEGEND

- Survey #1
- Pavistma 4-2-32, Wellbore #1, Plan #1 (2-24-12) R V0
- Wellbore #1

## Final Survey Plot

Projected Final Survey -  
7620'MD & 7439'TVD @ 1183'VS  
1.20 deg Inc 201.60 deg AZ

Project: SEC.32-T6N-R67W  
Site: Pavistma 5-1-32 Pad Sec.32-T6N-R67W  
Well: Pavistma 4-2-32  
Plan: Wellbore #1



## **Tekton Energy**

**SEC.32-T6N-R67W**

**Pavistma 5-1-32 Pad Sec.32-T6N-R67W**

**Pavistma 4-2-32**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**05 March, 2012**

|                  |                                     |                                     |                                      |
|------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Tekton Energy                       | <b>Local Co-ordinate Reference:</b> | Well Pavistma 4-2-32                 |
| <b>Project:</b>  | SEC.32-T6N-R67W                     | <b>TVD Reference:</b>               | WELL @ 4967.0ft (Original Well Elev) |
| <b>Site:</b>     | Pavistma 5-1-32 Pad Sec.32-T6N-R67W | <b>MD Reference:</b>                | WELL @ 4967.0ft (Original Well Elev) |
| <b>Well:</b>     | Pavistma 4-2-32                     | <b>North Reference:</b>             | True                                 |
| <b>Wellbore:</b> | Wellbore #1                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Wellbore #1                         | <b>Database:</b>                    | Landmark                             |

|                    |                                  |                      |                             |
|--------------------|----------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | SEC.32-T6N-R67W, Weld County, CO |                      |                             |
| <b>Map System:</b> | US State Plane 1983              | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983        |                      | Using Well Reference Point  |
| <b>Map Zone:</b>   | Colorado Northern Zone           |                      | Using geodetic scale factor |

|                              |                                     |                     |                 |                          |             |
|------------------------------|-------------------------------------|---------------------|-----------------|--------------------------|-------------|
| <b>Site</b>                  | Pavistma 5-1-32 Pad Sec.32-T6N-R67W |                     |                 |                          |             |
| <b>Site Position:</b>        |                                     | <b>Northing:</b>    | 1,404,322.06ft  | <b>Latitude:</b>         | 40.441840   |
| <b>From:</b>                 | Lat/Long                            | <b>Easting:</b>     | 3,160,124.21 ft | <b>Longitude:</b>        | -104.924710 |
| <b>Position Uncertainty:</b> | 0.0 ft                              | <b>Slot Radius:</b> | "               | <b>Grid Convergence:</b> | 0.37 °      |

| Well                 | Pavistma 4-2-32 |        |                     |                 |               |             |
|----------------------|-----------------|--------|---------------------|-----------------|---------------|-------------|
| Well Position        | +N/-S           | 0.0 ft | Northing:           | 1,404,322.05 ft | Latitude:     | 40.441840   |
|                      | +E/-W           | 0.0 ft | Easting:            | 3,160,124.21 ft | Longitude:    | -104.924710 |
| Position Uncertainty |                 | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 4,954.0 ft  |

|           |             |             |                    |                  |                        |
|-----------|-------------|-------------|--------------------|------------------|------------------------|
| Wellbore  | Wellbore #1 |             |                    |                  |                        |
| Magnetics | Model Name  | Sample Date | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|           | IGRF2010    | 2/24/2012   | 8.86               | 67.03            | 53,062                 |

|                   |                          |               |               |                   |
|-------------------|--------------------------|---------------|---------------|-------------------|
| Design            | Wellbore #1              |               |               |                   |
| Audit Notes:      |                          |               |               |                   |
| Version:          | 1.0                      | Phase:        | ACTUAL        | Tie On Depth: 0.0 |
| Vertical Section: | Depth From (TVD)<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Direction<br>(°)  |
|                   | 5,200.0                  | 0.0           | 0.0           | 22.48             |

| Survey Program |            | Date                    | 3/5/2012  |                |  |
|----------------|------------|-------------------------|-----------|----------------|--|
| From<br>(ft)   | To<br>(ft) | Survey (Wellbore)       | Tool Name | Description    |  |
| 159.0          | 7,620.0    | Survey #1 (Wellbore #1) | MWD       | MWD - Standard |  |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 159.0               | 0.50            | 306.40      | 159.0               | 0.4        | -0.6       | 0.2                   | 0.31                  | 0.31                 | 0.00                |
| 248.0               | 1.30            | 298.10      | 248.0               | 1.1        | -1.8       | 0.4                   | 0.91                  | 0.90                 | -9.33               |
| 368.0               | 1.10            | 15.50       | 368.0               | 2.9        | -2.7       | 1.6                   | 1.26                  | -0.17                | 64.50               |
| 491.0               | 3.30            | 60.10       | 490.9               | 5.8        | 0.7        | 5.6                   | 2.14                  | 1.79                 | 36.26               |
| 615.0               | 5.20            | 60.60       | 614.5               | 10.3       | 8.7        | 12.9                  | 1.53                  | 1.53                 | 0.40                |
| 740.0               | 6.00            | 57.20       | 738.9               | 16.6       | 19.1       | 22.7                  | 0.69                  | 0.64                 | -2.72               |
| 864.0               | 7.70            | 43.80       | 862.0               | 26.1       | 30.3       | 35.8                  | 1.87                  | 1.37                 | -10.81              |
| 987.0               | 8.50            | 43.30       | 983.8               | 38.7       | 42.3       | 51.9                  | 0.65                  | 0.65                 | -0.41               |
| 1,112.0             | 10.50           | 38.70       | 1,107.1             | 54.3       | 55.7       | 71.5                  | 1.71                  | 1.60                 | -3.68               |
| 1,237.0             | 11.70           | 27.60       | 1,229.8             | 74.4       | 68.7       | 95.1                  | 1.96                  | 0.96                 | -8.88               |
| 1,361.0             | 13.30           | 17.80       | 1,350.8             | 99.2       | 78.9       | 121.8                 | 2.14                  | 1.29                 | -7.90               |
| 1,486.0             | 15.70           | 19.10       | 1,471.9             | 128.8      | 88.9       | 153.0                 | 1.94                  | 1.92                 | 1.04                |

|                  |                                     |                                     |                                      |
|------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Tekton Energy                       | <b>Local Co-ordinate Reference:</b> | Well Pavistma 4-2-32                 |
| <b>Project:</b>  | SEC.32-T6N-R67W                     | <b>TVD Reference:</b>               | WELL @ 4967.0ft (Original Well Elev) |
| <b>Site:</b>     | Pavistma 5-1-32 Pad Sec.32-T6N-R67W | <b>MD Reference:</b>                | WELL @ 4967.0ft (Original Well Elev) |
| <b>Well:</b>     | Pavistma 4-2-32                     | <b>North Reference:</b>             | True                                 |
| <b>Wellbore:</b> | Wellbore #1                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Wellbore #1                         | <b>Database:</b>                    | Landmark                             |

| Survey                                    |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)                       | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 1,611.0                                   | 17.50           | 18.90       | 1,591.6             | 162.6      | 100.5      | 188.7                 | 1.44                  | 1.44                 | -0.16               |  |
| 1,735.0                                   | 18.10           | 18.90       | 1,709.7             | 198.5      | 112.8      | 226.5                 | 0.48                  | 0.48                 | 0.00                |  |
| 1,860.0                                   | 18.70           | 19.40       | 1,828.3             | 235.7      | 125.7      | 265.9                 | 0.50                  | 0.48                 | 0.40                |  |
| 1,985.0                                   | 19.50           | 18.70       | 1,946.4             | 274.4      | 139.0      | 306.7                 | 0.67                  | 0.64                 | -0.56               |  |
| 2,109.0                                   | 18.50           | 18.60       | 2,063.7             | 312.7      | 152.0      | 347.0                 | 0.81                  | -0.81                | -0.08               |  |
| 2,234.0                                   | 17.70           | 20.90       | 2,182.5             | 349.2      | 165.1      | 385.8                 | 0.86                  | -0.64                | 1.84                |  |
| 2,359.0                                   | 19.20           | 22.50       | 2,301.1             | 385.9      | 179.7      | 425.3                 | 1.27                  | 1.20                 | 1.28                |  |
| 2,483.0                                   | 18.50           | 20.40       | 2,418.4             | 423.2      | 194.4      | 465.4                 | 0.79                  | -0.56                | -1.69               |  |
| 2,608.0                                   | 20.00           | 22.10       | 2,536.4             | 461.6      | 209.3      | 506.6                 | 1.28                  | 1.20                 | 1.36                |  |
| 2,733.0                                   | 18.10           | 19.10       | 2,654.6             | 499.8      | 223.7      | 547.3                 | 1.71                  | -1.52                | -2.40               |  |
| 2,857.0                                   | 17.50           | 20.40       | 2,772.6             | 535.5      | 236.5      | 585.2                 | 0.58                  | -0.48                | 1.05                |  |
| 2,982.0                                   | 19.00           | 20.30       | 2,891.3             | 572.2      | 250.1      | 624.3                 | 1.20                  | 1.20                 | -0.08               |  |
| 3,107.0                                   | 16.80           | 22.20       | 3,010.3             | 608.0      | 264.0      | 662.7                 | 1.82                  | -1.76                | 1.52                |  |
| 3,231.0                                   | 16.90           | 24.30       | 3,129.0             | 641.0      | 278.2      | 698.7                 | 0.50                  | 0.08                 | 1.69                |  |
| 3,356.0                                   | 18.80           | 22.00       | 3,247.9             | 676.2      | 293.2      | 737.0                 | 1.62                  | 1.52                 | -1.84               |  |
| 3,481.0                                   | 19.60           | 20.10       | 3,366.0             | 714.6      | 308.0      | 778.1                 | 0.81                  | 0.64                 | -1.52               |  |
| 3,605.0                                   | 19.90           | 23.50       | 3,482.7             | 753.5      | 323.5      | 819.9                 | 0.96                  | 0.24                 | 2.74                |  |
| 3,730.0                                   | 20.10           | 23.50       | 3,600.2             | 792.7      | 340.6      | 862.7                 | 0.16                  | 0.16                 | 0.00                |  |
| 3,855.0                                   | 22.70           | 18.90       | 3,716.5             | 835.2      | 357.0      | 908.2                 | 2.47                  | 2.08                 | -3.68               |  |
| 3,980.0                                   | 23.10           | 16.60       | 3,831.7             | 881.5      | 371.8      | 956.7                 | 0.78                  | 0.32                 | -1.84               |  |
| 4,104.0                                   | 21.00           | 18.40       | 3,946.6             | 925.9      | 385.8      | 1,003.1               | 1.78                  | -1.69                | 1.45                |  |
| 4,229.0                                   | 19.00           | 21.30       | 4,064.1             | 966.1      | 400.2      | 1,045.8               | 1.79                  | -1.60                | 2.32                |  |
| 4,354.0                                   | 17.10           | 20.40       | 4,182.9             | 1,002.3    | 414.0      | 1,084.5               | 1.54                  | -1.52                | -0.72               |  |
| 4,478.0                                   | 13.50           | 20.90       | 4,302.5             | 1,032.9    | 425.5      | 1,117.2               | 2.91                  | -2.90                | 0.40                |  |
| 4,603.0                                   | 10.60           | 24.90       | 4,424.7             | 1,057.0    | 435.6      | 1,143.2               | 2.41                  | -2.32                | 3.20                |  |
| 4,728.0                                   | 7.40            | 25.10       | 4,548.2             | 1,074.7    | 443.8      | 1,162.8               | 2.56                  | -2.56                | 0.16                |  |
| 4,852.0                                   | 4.70            | 21.60       | 4,671.5             | 1,086.7    | 449.1      | 1,175.8               | 2.20                  | -2.18                | -2.82               |  |
| 4,977.0                                   | 2.80            | 27.10       | 4,796.2             | 1,094.2    | 452.4      | 1,184.0               | 1.55                  | -1.52                | 4.40                |  |
| 5,102.0                                   | 1.20            | 10.30       | 4,921.1             | 1,098.2    | 454.0      | 1,188.3               | 1.35                  | -1.28                | -13.44              |  |
| 5,180.6                                   | 0.57            | 11.55       | 4,999.7             | 1,099.4    | 454.2      | 1,189.5               | 0.81                  | -0.81                | 1.59                |  |
| PERMIT TARGET BHL 2169'FNL & 799'FWL      |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,226.0                                   | 0.20            | 15.90       | 5,045.1             | 1,099.7    | 454.3      | 1,189.8               | 0.81                  | -0.81                | 9.57                |  |
| 5,351.0                                   | 0.40            | 311.30      | 5,170.1             | 1,100.2    | 454.0      | 1,190.2               | 0.29                  | 0.16                 | -51.68              |  |
| 5,380.8                                   | 0.40            | 313.23      | 5,200.0             | 1,100.3    | 453.9      | 1,190.2               | 0.05                  | 0.00                 | 6.47                |  |
| DRILL TARGET BHL 2150'FNL & 788'FWL       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,476.0                                   | 0.40            | 319.40      | 5,295.1             | 1,100.8    | 453.4      | 1,190.5               | 0.05                  | 0.00                 | 6.48                |  |
| 5,600.0                                   | 0.60            | 273.50      | 5,419.1             | 1,101.1    | 452.5      | 1,190.5               | 0.35                  | 0.16                 | -37.02              |  |
| 5,725.0                                   | 0.90            | 291.20      | 5,544.1             | 1,101.5    | 450.9      | 1,190.3               | 0.30                  | 0.24                 | 14.16               |  |
| 5,850.0                                   | 0.60            | 343.10      | 5,669.1             | 1,102.5    | 449.8      | 1,190.7               | 0.57                  | -0.24                | 41.52               |  |
| 5,974.0                                   | 0.40            | 316.20      | 5,793.1             | 1,103.5    | 449.3      | 1,191.4               | 0.24                  | -0.16                | -21.69              |  |
| 6,099.0                                   | 0.50            | 3.00        | 5,918.1             | 1,104.3    | 449.1      | 1,192.1               | 0.30                  | 0.08                 | 37.44               |  |
| 6,224.0                                   | 0.40            | 352.30      | 6,043.1             | 1,105.3    | 449.0      | 1,193.0               | 0.10                  | -0.08                | -8.56               |  |
| 6,348.0                                   | 0.90            | 356.80      | 6,167.1             | 1,106.7    | 448.9      | 1,194.2               | 0.41                  | 0.40                 | 3.63                |  |
| 6,473.0                                   | 0.90            | 345.50      | 6,292.1             | 1,108.6    | 448.6      | 1,195.9               | 0.14                  | 0.00                 | -9.04               |  |
| 6,598.0                                   | 0.40            | 317.50      | 6,417.0             | 1,109.9    | 448.1      | 1,196.9               | 0.46                  | -0.40                | -22.40              |  |
| 6,722.0                                   | 0.50            | 264.80      | 6,541.0             | 1,110.2    | 447.2      | 1,196.8               | 0.33                  | 0.08                 | -42.50              |  |
| 6,847.0                                   | 0.50            | 237.30      | 6,666.0             | 1,109.8    | 446.2      | 1,196.1               | 0.19                  | 0.00                 | -22.00              |  |
| 6,972.0                                   | 1.20            | 218.00      | 6,791.0             | 1,108.5    | 445.0      | 1,194.4               | 0.60                  | 0.56                 | -15.44              |  |
| 7,097.0                                   | 1.10            | 215.80      | 6,916.0             | 1,106.5    | 443.5      | 1,192.0               | 0.09                  | -0.08                | -1.76               |  |
| 7,141.6                                   | 0.95            | 212.18      | 6,960.6             | 1,105.8    | 443.0      | 1,191.2               | 0.36                  | -0.33                | -8.12               |  |
| LEGAL BOX 400' X 400', 2025'FNL & 663'FWL |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 7,142.2                                   | 0.95            | 212.13      | 6,961.1             | 1,105.8    | 443.0      | 1,191.2               | 0.36                  | -0.33                | -9.41               |  |
| TARGET CIRCLE 2150'FNL & 788'FWL          |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 7,221.0                                   | 0.70            | 202.00      | 7,040.0             | 1,104.8    | 442.5      | 1,190.1               | 0.36                  | -0.32                | -12.84              |  |

|                  |                                     |                                     |                                      |
|------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Tekton Energy                       | <b>Local Co-ordinate Reference:</b> | Well Pavistma 4-2-32                 |
| <b>Project:</b>  | SEC.32-T6N-R67W                     | <b>TVD Reference:</b>               | WELL @ 4967.0ft (Original Well Elev) |
| <b>Site:</b>     | Pavistma 5-1-32 Pad Sec.32-T6N-R67W | <b>MD Reference:</b>                | WELL @ 4967.0ft (Original Well Elev) |
| <b>Well:</b>     | Pavistma 4-2-32                     | <b>North Reference:</b>             | True                                 |
| <b>Wellbore:</b> | Wellbore #1                         | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Wellbore #1                         | <b>Database:</b>                    | Landmark                             |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 7,346.0             | 1.10            | 210.20      | 7,165.0             | 1,103.1    | 441.6      | 1,188.1               | 0.34                  | 0.32                 | 6.56                |  |
| 7,471.0             | 0.70            | 199.10      | 7,290.0             | 1,101.3    | 440.7      | 1,186.2               | 0.35                  | -0.32                | -8.88               |  |
| 7,574.0             | 1.20            | 201.60      | 7,392.9             | 1,099.7    | 440.1      | 1,184.5               | 0.49                  | 0.49                 | 2.43                |  |
| 7,620.0             | 1.20            | 201.60      | 7,438.9             | 1,098.8    | 439.8      | 1,183.5               | 0.00                  | 0.00                 | 0.00                |  |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|