



## Survey Report - Geographic

|                  |                                |                                     |   |
|------------------|--------------------------------|-------------------------------------|---|
| <b>Company:</b>  | Anadarko Petroleum Corporation | <b>Local Co-ordinate Reference:</b> | Well Guerrero 23-7 (111403) - Slot 23-7 |
| <b>Project:</b>  | Guerrero                       | <b>TVD Reference:</b>               | KB @ 5001.00ft (Original Well Elev)     |
| <b>Site:</b>     | Guerrero 13-7 Pad              | <b>MD Reference:</b>                | KB @ 5001.00ft (Original Well Elev)     |
| <b>Well:</b>     | Guerrero 23-7 (111403)         | <b>North Reference:</b>             | True                                    |
| <b>Wellbore:</b> | 23-7                           | <b>Survey Calculation Method:</b>   | Minimum Curvature                       |
| <b>Design:</b>   | 23-7                           | <b>Database:</b>                    | EDM5000                                 |

|                    |                               |                      |                |
|--------------------|-------------------------------|----------------------|----------------|
| <b>Project</b>     | Guerrero                      |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983     |                      |                |
| <b>Map Zone:</b>   | Zone 13N (108 W to 102 W)     |                      |                |

| Site                  | Guerrero 13-7 Pad |              |                    |                   |                 |
|-----------------------|-------------------|--------------|--------------------|-------------------|-----------------|
| Site Position:        |                   | Northing:    | 14,580,512.71 usft | Latitude:         | 40.147333000°N  |
| From:                 | Lat/Long          | Easting:     | 1,720,354.26 usft  | Longitude:        | 104.713945000°W |
| Position Uncertainty: | 0.00 ft           | Slot Radius: | 13.20 in           | Grid Convergence: | 0.18 °          |

| Well                 | Guerrero 23-7 (111403) - Slot 23-7 |         |                     |                    |               |                 |
|----------------------|------------------------------------|---------|---------------------|--------------------|---------------|-----------------|
| Well Position        | +N/-S                              | 0.00 ft | Northing:           | 14,580,513.13 usft | Latitude:     | 40.147334000°N  |
|                      | +E/-W                              | 0.00 ft | Easting:            | 1,720,370.18 usft  | Longitude:    | 104.713888000°W |
| Position Uncertainty |                                    | 0.00 ft | Wellhead Elevation: | ft                 | Ground Level: | 4,986.00 ft     |

|                  |                   |                    |                    |                  |                       |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| <b>Wellbore</b>  | 23-7              |                    |                    |                  |                       |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b> | <b>Dip Angle</b> | <b>Field Strength</b> |
|                  |                   |                    | (°)                | (°)              | (nT)                  |
|                  | IGRF2010          | 12/15/11           | 8.75               | 66.84            | 52,950                |

|                          |                         |               |              |                      |      |
|--------------------------|-------------------------|---------------|--------------|----------------------|------|
| <b>Design</b>            | 23-7                    |               |              |                      |      |
| <b>Audit Notes:</b>      |                         |               |              |                      |      |
| <b>Version:</b>          | 1.0                     | <b>Phase:</b> | ACTUAL       | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b>  | <b>+E/-W</b> | <b>Direction</b>     |      |
|                          | (ft)                    | (ft)          | (ft)         | (°)                  |      |
|                          | 0.00                    | 0.00          | 0.00         | 67.46                |      |

|                       |             |                          |                  |                    |  |
|-----------------------|-------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b> | 10/20/11                 |                  |                    |  |
| <b>From</b>           | <b>To</b>   | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| (ft)                  | (ft)        |                          |                  |                    |  |
| 45.00                 | 8,361.00    | Guerrero 23-7 (23-7)     | MWD              | MWD - Standard     |  |

|                 |                    |                |                 |              |              |                 |                |                 |                  |
|-----------------|--------------------|----------------|-----------------|--------------|--------------|-----------------|----------------|-----------------|------------------|
| <b>Survey</b>   |                    |                |                 |              |              |                 |                |                 |                  |
| <b>Measured</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Map</b>      | <b>Map</b>     | <b>Latitude</b> | <b>Longitude</b> |
| <b>Depth</b>    | (°)                | (°)            | <b>Depth</b>    | (ft)         | (ft)         | <b>Northing</b> | <b>Easting</b> |                 |                  |
| (ft)            |                    |                | (ft)            |              |              | (usft)          | (usft)         |                 |                  |
| 0.00            | 0.00               | 0.00           | 0.00            | 0.00         | 0.00         | 14,580,513.13   | 1,720,370.18   | 40.147334000°N  | 104.713888000°W  |
| 45.00           | 0.31               | 274.84         | 45.00           | 0.01         | -0.12        | 14,580,513.14   | 1,720,370.06   | 40.147334029°N  | 104.713888434°W  |
| 137.00          | 0.22               | 291.14         | 137.00          | 0.09         | -0.53        | 14,580,513.22   | 1,720,369.65   | 40.147334261°N  | 104.713889911°W  |
| 198.00          | 0.09               | 274.44         | 198.00          | 0.14         | -0.69        | 14,580,513.27   | 1,720,369.49   | 40.147334387°N  | 104.713890472°W  |
| 290.00          | 1.10               | 57.75          | 289.99          | 0.62         | -0.02        | 14,580,513.75   | 1,720,370.17   | 40.147335697°N  | 104.713888058°W  |
| 383.00          | 3.38               | 50.54          | 382.92          | 2.84         | 2.86         | 14,580,515.98   | 1,720,373.03   | 40.147341790°N  | 104.713877780°W  |
| 459.00          | 4.79               | 54.54          | 458.72          | 6.10         | 7.17         | 14,580,519.25   | 1,720,377.34   | 40.147350756°N  | 104.713862341°W  |
| 550.00          | 6.50               | 57.13          | 549.28          | 11.10        | 14.59        | 14,580,524.28   | 1,720,384.74   | 40.147364487°N  | 104.713835784°W  |
| 641.00          | 8.09               | 62.45          | 639.54          | 16.86        | 24.60        | 14,580,530.07   | 1,720,394.73   | 40.147380297°N  | 104.713799985°W  |
| 732.00          | 9.80               | 64.96          | 729.43          | 23.10        | 37.29        | 14,580,536.35   | 1,720,407.40   | 40.147397433°N  | 104.713754557°W  |
| 822.00          | 11.51              | 67.77          | 817.87          | 29.74        | 52.54        | 14,580,543.04   | 1,720,422.63   | 40.147415666°N  | 104.713699977°W  |
| 913.00          | 13.32              | 69.57          | 906.74          | 36.83        | 70.77        | 14,580,550.19   | 1,720,440.84   | 40.147435148°N  | 104.713634744°W  |

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| <b>Project:</b>  | Guerrero                       | <b>TVD Reference:</b>               | KB @ 5001.00ft (Original Well Elev)     |
| <b>Site:</b>     | Guerrero 13-7 Pad              | <b>MD Reference:</b>                | KB @ 5001.00ft (Original Well Elev)     |
| <b>Well:</b>     | Guerrero 23-7 (111403)         | <b>North Reference:</b>             | True                                    |
| <b>Wellbore:</b> | 23-7                           | <b>Survey Calculation Method:</b>   | Minimum Curvature                       |
| <b>Design:</b>   | 23-7                           | <b>Database:</b>                    | EDM5000                                 |

| Survey              |                 |             |                     |            |            |                     |                    |                |                 |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|----------------|-----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude       | Longitude       |
| 959.00              | 14.02           | 69.75       | 951.44              | 40.61      | 80.97      | 14,580,554.00       | 1,720,451.02       | 40.147445523°N | 104.713598268°W |
| 1,037.00            | 14.02           | 72.03       | 1,027.12            | 46.80      | 98.82      | 14,580,560.24       | 1,720,468.85       | 40.147462508°N | 104.713534387°W |
| 1,128.00            | 17.31           | 73.96       | 1,114.73            | 53.94      | 122.32     | 14,580,567.46       | 1,720,492.33       | 40.147482125°N | 104.713450284°W |
| 1,219.00            | 19.29           | 75.24       | 1,201.12            | 61.51      | 149.87     | 14,580,575.12       | 1,720,519.85       | 40.147502915°N | 104.713351701°W |
| 1,309.00            | 21.40           | 75.94       | 1,285.50            | 69.29      | 180.18     | 14,580,583.00       | 1,720,550.14       | 40.147524271°N | 104.713243252°W |
| 1,400.00            | 23.12           | 74.54       | 1,369.72            | 78.08      | 213.50     | 14,580,591.90       | 1,720,583.43       | 40.147548426°N | 104.713123993°W |
| 1,491.00            | 25.00           | 70.54       | 1,452.81            | 89.25      | 248.86     | 14,580,603.19       | 1,720,618.75       | 40.147579100°N | 104.712997473°W |
| 1,582.00            | 26.59           | 68.16       | 1,534.74            | 103.24     | 285.90     | 14,580,617.29       | 1,720,655.75       | 40.147617500°N | 104.712864933°W |
| 1,672.00            | 26.41           | 67.77       | 1,615.29            | 118.30     | 323.12     | 14,580,632.47       | 1,720,692.92       | 40.147658871°N | 104.712731726°W |
| 1,763.00            | 25.80           | 68.16       | 1,697.00            | 133.33     | 360.24     | 14,580,647.62       | 1,720,729.99       | 40.147700126°N | 104.712598908°W |
| 1,854.00            | 25.18           | 66.67       | 1,779.15            | 148.36     | 396.39     | 14,580,662.77       | 1,720,766.10       | 40.147741409°N | 104.712469516°W |
| 1,945.00            | 24.79           | 67.86       | 1,861.63            | 163.22     | 431.84     | 14,580,677.74       | 1,720,801.50       | 40.147782205°N | 104.712342668°W |
| 2,036.00            | 23.99           | 67.15       | 1,944.51            | 177.59     | 466.56     | 14,580,692.22       | 1,720,836.17       | 40.147821675°N | 104.712218424°W |
| 2,127.00            | 24.70           | 66.14       | 2,027.42            | 192.47     | 501.00     | 14,580,707.21       | 1,720,870.56       | 40.147862520°N | 104.712095194°W |
| 2,218.00            | 23.91           | 65.57       | 2,110.35            | 207.79     | 535.18     | 14,580,722.64       | 1,720,904.69       | 40.147904583°N | 104.711972885°W |
| 2,308.00            | 22.98           | 65.35       | 2,192.92            | 222.66     | 567.75     | 14,580,737.61       | 1,720,937.21       | 40.147945418°N | 104.711856320°W |
| 2,399.00            | 22.19           | 65.75       | 2,276.94            | 237.12     | 599.56     | 14,580,752.18       | 1,720,968.98       | 40.147985143°N | 104.711742474°W |
| 2,490.00            | 20.79           | 65.35       | 2,361.61            | 250.92     | 629.91     | 14,580,766.07       | 1,720,999.28       | 40.148023022°N | 104.711633874°W |
| 2,581.00            | 19.60           | 66.45       | 2,447.02            | 263.75     | 658.58     | 14,580,779.00       | 1,721,027.91       | 40.148058265°N | 104.711531273°W |
| 2,672.00            | 19.12           | 67.46       | 2,532.87            | 275.56     | 686.34     | 14,580,790.90       | 1,721,055.63       | 40.148090698°N | 104.711431944°W |
| 2,763.00            | 18.81           | 68.25       | 2,618.93            | 286.71     | 713.73     | 14,580,802.14       | 1,721,082.99       | 40.148121313°N | 104.711333923°W |
| 2,854.00            | 18.90           | 67.33       | 2,705.05            | 297.83     | 740.96     | 14,580,813.34       | 1,721,110.18       | 40.148151838°N | 104.711236495°W |
| 2,944.00            | 18.98           | 63.95       | 2,790.18            | 309.87     | 767.56     | 14,580,825.47       | 1,721,136.74       | 40.148184915°N | 104.711141306°W |
| 3,035.00            | 21.01           | 65.35       | 2,875.69            | 323.18     | 795.68     | 14,580,838.87       | 1,721,164.82       | 40.148221447°N | 104.711040661°W |
| 3,126.00            | 21.88           | 66.76       | 2,960.39            | 336.67     | 826.09     | 14,580,852.46       | 1,721,195.18       | 40.148258502°N | 104.710931845°W |
| 3,217.00            | 21.09           | 67.07       | 3,045.07            | 349.74     | 856.75     | 14,580,865.63       | 1,721,225.80       | 40.148294390°N | 104.710822129°W |
| 3,308.00            | 21.09           | 66.93       | 3,129.97            | 362.54     | 886.89     | 14,580,878.52       | 1,721,255.90       | 40.148329522°N | 104.710714264°W |
| 3,398.00            | 20.30           | 66.93       | 3,214.16            | 375.00     | 916.15     | 14,580,891.08       | 1,721,285.12       | 40.148363743°N | 104.710609550°W |
| 3,489.00            | 20.61           | 67.15       | 3,299.42            | 387.41     | 945.43     | 14,580,903.58       | 1,721,314.36       | 40.148397806°N | 104.710504761°W |
| 3,580.00            | 20.48           | 66.45       | 3,384.64            | 399.99     | 974.79     | 14,580,916.25       | 1,721,343.68       | 40.148432349°N | 104.710399719°W |
| 3,671.00            | 20.48           | 67.64       | 3,469.88            | 412.40     | 1,004.10   | 14,580,928.76       | 1,721,372.95       | 40.148466444°N | 104.710294808°W |
| 3,762.00            | 20.92           | 67.24       | 3,555.01            | 424.74     | 1,033.81   | 14,580,941.20       | 1,721,402.62       | 40.148500332°N | 104.710188510°W |
| 3,852.00            | 20.61           | 66.45       | 3,639.16            | 437.29     | 1,063.15   | 14,580,953.84       | 1,721,431.91       | 40.148534779°N | 104.710083523°W |
| 3,943.00            | 21.18           | 67.77       | 3,724.18            | 449.91     | 1,093.05   | 14,580,966.55       | 1,721,461.77       | 40.148569427°N | 104.709976524°W |
| 4,034.00            | 20.79           | 67.07       | 3,809.14            | 462.42     | 1,123.14   | 14,580,979.16       | 1,721,491.82       | 40.148603782°N | 104.709868840°W |
| 4,125.00            | 21.49           | 66.67       | 3,894.02            | 475.31     | 1,153.32   | 14,580,992.15       | 1,721,521.96       | 40.148639184°N | 104.709760839°W |
| 4,216.00            | 22.50           | 65.97       | 3,978.39            | 489.01     | 1,184.53   | 14,581,005.95       | 1,721,553.13       | 40.148676780°N | 104.709649153°W |
| 4,306.00            | 21.88           | 66.67       | 4,061.73            | 502.66     | 1,215.65   | 14,581,019.70       | 1,721,584.21       | 40.148714271°N | 104.709537761°W |
| 4,397.00            | 23.12           | 66.45       | 4,145.80            | 516.51     | 1,247.60   | 14,581,033.66       | 1,721,616.12       | 40.148752311°N | 104.709423428°W |
| 4,488.00            | 22.72           | 65.04       | 4,229.62            | 531.07     | 1,279.91   | 14,581,048.31       | 1,721,648.38       | 40.148792274°N | 104.709307802°W |
| 4,579.00            | 21.09           | 67.33       | 4,314.05            | 544.79     | 1,310.95   | 14,581,062.14       | 1,721,679.38       | 40.148829966°N | 104.709196714°W |
| 4,669.00            | 20.48           | 67.15       | 4,398.19            | 557.15     | 1,340.41   | 14,581,074.59       | 1,721,708.79       | 40.148863889°N | 104.709091321°W |
| 4,760.00            | 22.02           | 64.65       | 4,483.00            | 570.64     | 1,370.50   | 14,581,088.18       | 1,721,738.83       | 40.148900921°N | 104.708983643°W |
| 4,851.00            | 22.90           | 66.67       | 4,567.10            | 584.95     | 1,402.17   | 14,581,102.59       | 1,721,770.46       | 40.148940230°N | 104.708870289°W |
| 4,942.00            | 22.90           | 67.24       | 4,650.93            | 598.81     | 1,434.75   | 14,581,116.56       | 1,721,803.00       | 40.148978289°N | 104.708753683°W |
| 5,032.00            | 22.19           | 66.76       | 4,734.05            | 612.29     | 1,466.52   | 14,581,130.14       | 1,721,834.72       | 40.149015303°N | 104.708640011°W |
| 5,123.00            | 21.09           | 67.15       | 4,818.63            | 625.43     | 1,497.40   | 14,581,143.38       | 1,721,865.56       | 40.149051379°N | 104.708529508°W |
| 5,214.00            | 20.00           | 67.64       | 4,903.84            | 637.71     | 1,526.88   | 14,581,155.75       | 1,721,895.00       | 40.149085091°N | 104.708424009°W |
| 5,304.00            | 20.79           | 71.33       | 4,988.20            | 648.68     | 1,556.24   | 14,581,166.82       | 1,721,924.33       | 40.149115207°N | 104.708318914°W |
| 5,395.00            | 21.62           | 71.15       | 5,073.04            | 659.27     | 1,587.41   | 14,581,177.50       | 1,721,955.46       | 40.149144274°N | 104.708207383°W |
| 5,486.00            | 20.79           | 68.16       | 5,157.88            | 670.69     | 1,618.27   | 14,581,189.03       | 1,721,986.28       | 40.149175642°N | 104.708096955°W |
| 5,577.00            | 21.62           | 67.86       | 5,242.72            | 683.02     | 1,648.79   | 14,581,201.45       | 1,722,016.76       | 40.149209486°N | 104.707987736°W |
| 5,668.00            | 20.48           | 67.86       | 5,327.65            | 695.34     | 1,679.06   | 14,581,213.87       | 1,722,047.00       | 40.149243307°N | 104.707879392°W |
| 5,759.00            | 18.81           | 68.47       | 5,413.35            | 706.72     | 1,707.46   | 14,581,225.34       | 1,722,075.36       | 40.149274564°N | 104.707777778°W |
| 5,849.00            | 19.38           | 68.74       | 5,498.39            | 717.46     | 1,734.87   | 14,581,236.17       | 1,722,102.73       | 40.149304050°N | 104.707679675°W |

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|                  |                                |                                     |   |
|------------------|--------------------------------|-------------------------------------|---|
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| <b>Project:</b>  | Guerrero                       | <b>TVD Reference:</b>               | KB @ 5001.00ft (Original Well Elev)     |
| <b>Site:</b>     | Guerrero 13-7 Pad              | <b>MD Reference:</b>                | KB @ 5001.00ft (Original Well Elev)     |
| <b>Well:</b>     | Guerrero 23-7 (111403)         | <b>North Reference:</b>             | True                                    |
| <b>Wellbore:</b> | 23-7                           | <b>Survey Calculation Method:</b>   | Minimum Curvature                       |
| <b>Design:</b>   | 23-7                           | <b>Database:</b>                    | EDM5000                                 |

| Survey                         |                 |             |                     |            |            |                     |                    |                |                 |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|----------------|-----------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude       | Longitude       |
| 5,940.00                       | 18.72           | 65.04       | 5,584.41            | 729.10     | 1,762.18   | 14,581,247.90       | 1,722,130.01       | 40.149336002°N | 104.707581937°W |
| 6,031.00                       | 16.92           | 62.23       | 5,671.04            | 741.43     | 1,787.14   | 14,581,260.31       | 1,722,154.93       | 40.149369865°N | 104.707492618°W |
| 6,121.00                       | 15.38           | 60.65       | 5,757.49            | 753.38     | 1,809.13   | 14,581,272.33       | 1,722,176.88       | 40.149402684°N | 104.707413914°W |
| 6,213.00                       | 14.81           | 67.07       | 5,846.32            | 763.95     | 1,830.60   | 14,581,282.96       | 1,722,198.31       | 40.149431683°N | 104.707337097°W |
| 6,304.00                       | 13.89           | 65.75       | 5,934.48            | 772.96     | 1,851.27   | 14,581,292.05       | 1,722,218.95       | 40.149456442°N | 104.707263123°W |
| 6,394.00                       | 11.60           | 63.64       | 6,022.26            | 781.42     | 1,869.23   | 14,581,300.56       | 1,722,236.88       | 40.149479659°N | 104.707198851°W |
| 6,485.00                       | 11.69           | 60.65       | 6,111.39            | 790.00     | 1,885.46   | 14,581,309.19       | 1,722,253.09       | 40.149503219°N | 104.707140756°W |
| 6,576.00                       | 10.59           | 56.96       | 6,200.67            | 799.08     | 1,900.51   | 14,581,318.32       | 1,722,268.11       | 40.149528146°N | 104.707086910°W |
| 6,667.00                       | 8.79            | 55.16       | 6,290.37            | 807.61     | 1,913.23   | 14,581,326.89       | 1,722,280.80       | 40.149551573°N | 104.707041397°W |
| 6,757.00                       | 6.81            | 59.55       | 6,379.53            | 814.24     | 1,923.47   | 14,581,333.56       | 1,722,291.02       | 40.149569787°N | 104.707004733°W |
| 6,848.00                       | 5.89            | 64.96       | 6,469.98            | 818.95     | 1,932.35   | 14,581,338.30       | 1,722,299.89       | 40.149582721°N | 104.706972948°W |
| 6,939.00                       | 3.91            | 67.15       | 6,560.64            | 822.14     | 1,939.44   | 14,581,341.50       | 1,722,306.97       | 40.149591456°N | 104.706947574°W |
| 7,030.00                       | 1.80            | 65.97       | 6,651.52            | 823.92     | 1,943.61   | 14,581,343.30       | 1,722,311.13       | 40.149596362°N | 104.706932669°W |
| 7,121.00                       | 1.49            | 105.74      | 6,742.49            | 824.18     | 1,946.05   | 14,581,343.57       | 1,722,313.57       | 40.149597078°N | 104.706923923°W |
| 7,211.00                       | 1.71            | 110.44      | 6,832.45            | 823.40     | 1,948.44   | 14,581,342.79       | 1,722,315.96       | 40.149594918°N | 104.706915390°W |
| 7,302.00                       | 0.88            | 123.27      | 6,923.43            | 822.54     | 1,950.29   | 14,581,341.94       | 1,722,317.82       | 40.149592563°N | 104.706908746°W |
| 7,393.00                       | 2.02            | 96.73       | 7,014.40            | 821.97     | 1,952.47   | 14,581,341.38       | 1,722,319.99       | 40.149590994°N | 104.706900955°W |
| 7,484.00                       | 1.41            | 91.24       | 7,105.36            | 821.76     | 1,955.18   | 14,581,341.18       | 1,722,322.71       | 40.149590410°N | 104.706891250°W |
| 7,575.00                       | 0.88            | 93.65       | 7,196.34            | 821.69     | 1,957.00   | 14,581,341.11       | 1,722,324.52       | 40.149590221°N | 104.706884749°W |
| 7,665.00                       | 0.79            | 72.16       | 7,286.33            | 821.83     | 1,958.28   | 14,581,341.26       | 1,722,325.80       | 40.149590622°N | 104.706880167°W |
| 7,756.00                       | 0.79            | 30.77       | 7,377.32            | 822.56     | 1,959.20   | 14,581,342.00       | 1,722,326.72       | 40.149592630°N | 104.706876881°W |
| 7,847.00                       | 1.01            | 299.93      | 7,468.31            | 823.50     | 1,958.82   | 14,581,342.93       | 1,722,326.34       | 40.149595209°N | 104.706878220°W |
| 7,938.00                       | 0.70            | 333.15      | 7,559.30            | 824.40     | 1,957.88   | 14,581,343.83       | 1,722,325.39       | 40.149597670°N | 104.706881605°W |
| 8,029.00                       | 0.22            | 294.35      | 7,650.30            | 824.97     | 1,957.47   | 14,581,344.39       | 1,722,324.98       | 40.149599230°N | 104.706883073°W |
| 8,119.00                       | 0.22            | 279.63      | 7,740.30            | 825.07     | 1,957.14   | 14,581,344.49       | 1,722,324.65       | 40.149599505°N | 104.706884246°W |
| 8,210.00                       | 0.31            | 214.55      | 7,831.30            | 824.89     | 1,956.83   | 14,581,344.32       | 1,722,324.34       | 40.149599029°N | 104.706885362°W |
| 8,301.00                       | 0.31            | 253.96      | 7,922.30            | 824.62     | 1,956.45   | 14,581,344.05       | 1,722,323.97       | 40.149598285°N | 104.706886708°W |
| 8,361.00                       | 0.22            | 257.74      | 7,982.30            | 824.55     | 1,956.18   | 14,581,343.98       | 1,722,323.70       | 40.149598095°N | 104.706887670°W |
| Proj to TD at 8361 MD/7982 TVD |                 |             |                     |            |            |                     |                    |                |                 |

| Survey Annotations  |                     |                   |            |                                |
|---------------------|---------------------|-------------------|------------|--------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                        |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                |
| 8,361.00            | 7,982.30            | 824.55            | 1,956.18   | Proj to TD at 8361 MD/7982 TVD |

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