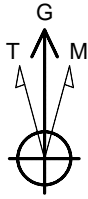


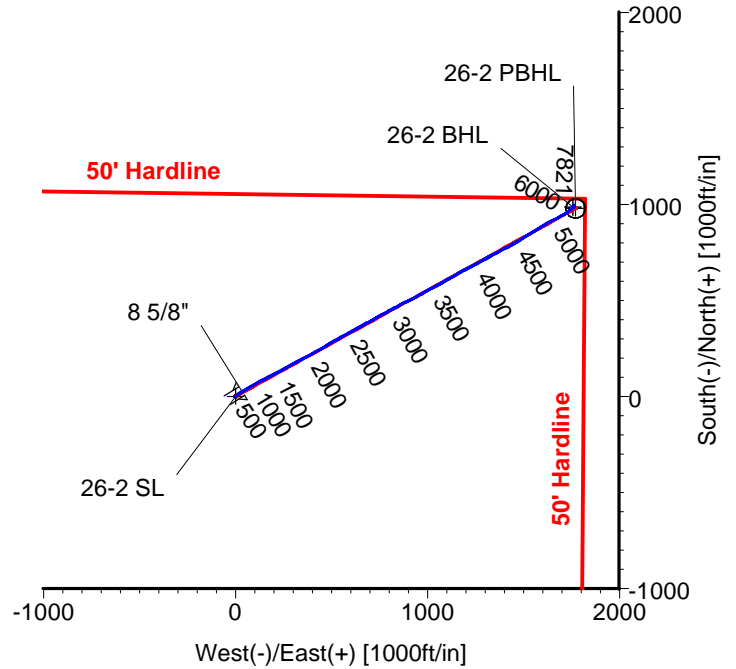
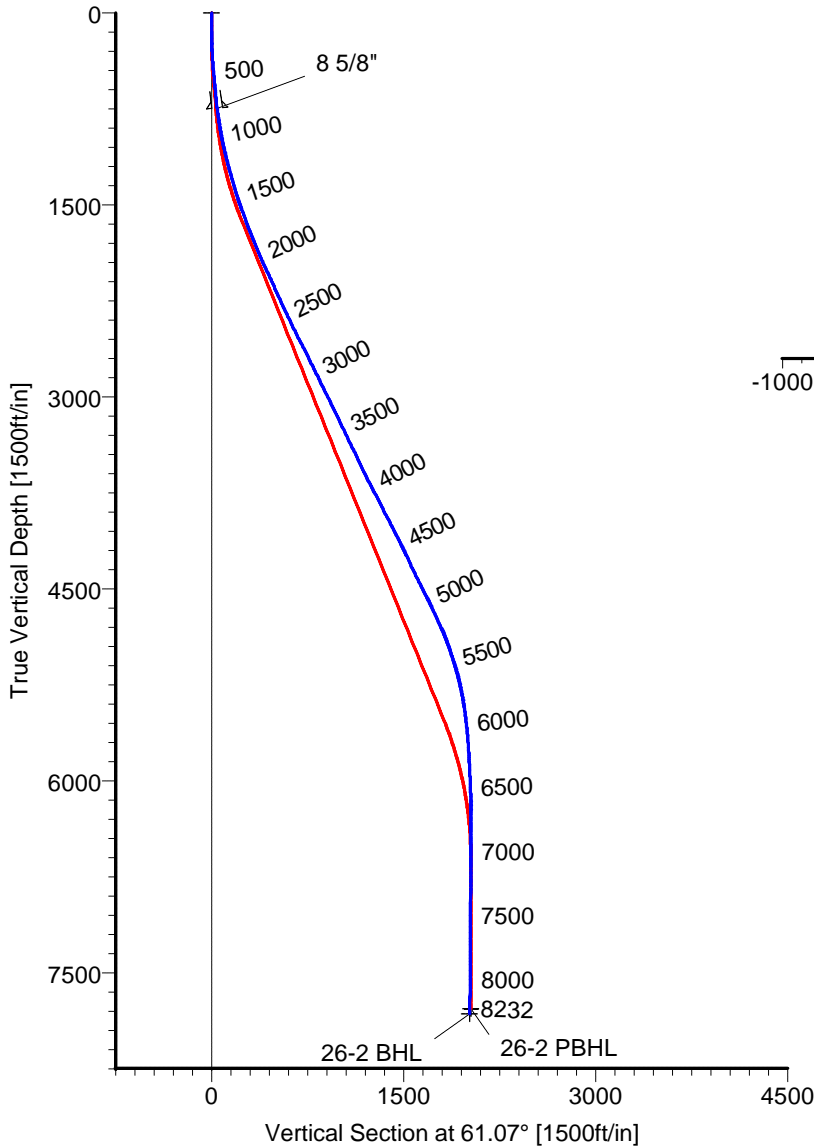
ANADARKO PETROLEUM

Field: Weld County, CO
Site: Platte 17-2 Pad
Well: 26-2
Wellpath: Original Hole



Azimuths to Grid North
True North: -0.42°
Magnetic North: 8.50°

Magnetic Field
Strength: 53095nT
Dip Angle: 66.92°
Date: 05/18/2011
Model: IGRF2010



CASING DETAILS

| No. | TVD | MD | Name | Size |
|-----|--------|--------|--------|-------|
| 1 | 743.05 | 745.00 | 8 5/8" | 8.625 |

LEGEND

— 26-2,Original Hole,Plan #2
— Original Hole

TARGET DETAILS

| Name | TVD | +N-S | +E-W | Latitude | Longitude | Shape |
|-----------|---------|--------|---------|---------------|----------------|---------------------|
| 26-2 SL | 0.00 | 0.00 | 0.00 | 40°15'31.176N | 104°51'18.965W | Point |
| 26-2 PBHL | 7782.00 | 979.42 | 1772.01 | 40°15'40.727N | 104°50'56.016W | Circle (Radius: 50) |
| 26-2 BHL | 7821.39 | 987.23 | 1757.50 | 40°15'40.805N | 104°50'56.202W | Point |

Wellpath: (26-2/Original Hole)

Created By: Ivonne Gonzalez

Date: 05/16/2011

ALLIS CHALMERS DIRECTIONAL DRILLING SERVICES
911 Regional Park Drive Houston, Texas 77060
Phone: 713-934-9600 Fax: 713-934-9067



DIRECTIONAL
DRILLING SERVICES

Allis-Chalmers Energy, Inc.

Survey Report

| | | |
|--|---|--|
| Company: ANADARKO PETROLEUM Field: Weld County, CO Site: Platte 17-2 Pad Well: 26-2 Wellpath: Original Hole | Date: 05/16/2011 Co-ordinate(NE) Reference: Well: 26-2, Grid North Vertical (TVD) Reference: 4757'GL+15'KB 4772.0 Section (VS) Reference: Well (0.00N,0.00E,61.07Azi) Survey Calculation Method: Minimum Curvature | Time: 08:46:56 Page: 1 Db: Adapti |
|--|---|--|

| | |
|---|---|
| Field: Weld County, CO Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level | Map Zone: Colorado, Northern Zone Coordinate System: Well Centre Geomagnetic Model: IGRF2010 |
|---|---|

| | |
|---|--|
| Site: Platte 17-2 Pad Centered on 26-2 Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 4757.00 ft | Northing: 1337728.23 ft Easting: 3179943.66 ft Latitude: 40 15 31.176 N Longitude: 104 51 18.965 W North Reference: Grid Grid Convergence: 0.42 deg |
|---|--|

| | |
|---|--|
| Well: 26-2 Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft | Slot Name: 26-2 Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft |
|---|--|

| | |
|--|--|
| Wellpath: Original Hole Current Datum: 4757'GL+15'KB Magnetic Data: 05/18/2011 Field Strength: 53095 nT Vertical Section: Depth From (TVD) ft | Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.91 deg Mag Dip Angle: 66.92 deg +N/-S ft +E/-W ft Direction deg |
| 0.00 | 0.00 |

| | | | | | |
|---|----------------------|-----------------------------|-----------------|------------------|--|
| Survey Program for Definitive Wellpath | | | | | |
| Date: 05/16/2011 | Validated: No | Version: 0 | Toolcode | Tool Name | |
| Actual From ft | To ft | Survey | | | |
| 49.00 | 8187.00 | Survey #1 (49.00-8187.00) | MWD | Std MWD | |
| 8232.00 | 8232.00 | Survey #2 (8232.00-8232.00) | Project | Projection | |

| Survey | | | | | | | | | | |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | TIE LINE |
| 49.00 | 0.50 | 274.70 | 49.00 | 0.02 | -0.21 | -0.18 | 1.02 | 1.02 | 0.00 | MWD |
| 140.00 | 0.50 | 281.00 | 140.00 | 0.13 | -1.00 | -0.81 | 0.06 | 0.00 | 6.92 | MWD |
| 229.00 | 1.40 | 49.70 | 228.99 | 0.90 | -0.55 | -0.04 | 1.97 | 1.01 | 144.61 | MWD |
| 319.00 | 3.30 | 54.60 | 318.91 | 3.12 | 2.40 | 3.61 | 2.12 | 2.11 | 5.44 | MWD |
| 426.00 | 4.80 | 53.60 | 425.64 | 7.56 | 8.51 | 11.11 | 1.40 | 1.40 | -0.93 | MWD |
| 516.00 | 5.30 | 56.40 | 515.29 | 12.09 | 15.01 | 18.98 | 0.62 | 0.56 | 3.11 | MWD |
| 607.00 | 5.80 | 54.60 | 605.86 | 17.08 | 22.26 | 27.74 | 0.58 | 0.55 | -1.98 | MWD |
| 698.00 | 6.30 | 53.60 | 696.35 | 22.71 | 30.02 | 37.26 | 0.56 | 0.55 | -1.10 | MWD |
| 742.00 | 6.70 | 57.80 | 740.07 | 25.51 | 34.14 | 42.22 | 1.41 | 0.91 | 9.55 | MWD |
| 832.00 | 7.90 | 59.50 | 829.34 | 31.44 | 43.91 | 53.64 | 1.35 | 1.33 | 1.89 | MWD |
| 923.00 | 9.90 | 62.40 | 919.24 | 38.24 | 56.23 | 67.71 | 2.25 | 2.20 | 3.19 | MWD |
| 1014.00 | 11.80 | 58.50 | 1008.61 | 46.73 | 71.10 | 84.83 | 2.24 | 2.09 | -4.29 | MWD |
| 1105.00 | 13.70 | 59.50 | 1097.36 | 57.06 | 88.32 | 104.90 | 2.10 | 2.09 | 1.10 | MWD |
| 1195.00 | 15.10 | 60.60 | 1184.53 | 68.23 | 107.72 | 127.28 | 1.58 | 1.56 | 1.22 | MWD |
| 1286.00 | 15.70 | 64.80 | 1272.27 | 79.29 | 129.18 | 151.42 | 1.39 | 0.66 | 4.62 | MWD |
| 1377.00 | 16.40 | 62.70 | 1359.72 | 90.42 | 151.74 | 176.55 | 1.00 | 0.77 | -2.31 | MWD |
| 1468.00 | 17.80 | 64.50 | 1446.70 | 102.30 | 175.71 | 203.27 | 1.64 | 1.54 | 1.98 | MWD |
| 1558.00 | 19.90 | 62.00 | 1531.87 | 115.42 | 201.66 | 232.32 | 2.50 | 2.33 | -2.78 | MWD |
| 1649.00 | 20.20 | 62.00 | 1617.35 | 130.06 | 229.20 | 263.52 | 0.33 | 0.33 | 0.00 | MWD |
| 1740.00 | 21.60 | 61.70 | 1702.36 | 145.38 | 257.82 | 295.98 | 1.54 | 1.54 | -0.33 | MWD |
| 1831.00 | 23.20 | 62.00 | 1786.49 | 161.74 | 288.40 | 330.65 | 1.76 | 1.76 | 0.33 | MWD |

Allis-Chalmers Energy, Inc.

Survey Report

| | | |
|--|---|--|
| Company: ANADARKO PETROLEUM Field: Weld County, CO Site: Platte 17-2 Pad Well: 26-2 Wellpath: Original Hole | Date: 05/16/2011 Co-ordinate(NE) Reference: Well: 26-2, Grid North Vertical (TVD) Reference: 4757'GL+15'KB 4772.0 Section (VS) Reference: Well (0.00N,0.00E,61.07Azi) Survey Calculation Method: Minimum Curvature | Time: 08:46:56 Page: 2 Db: Adapti |
|--|---|--|

Survey

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| 1922.00 | 23.20 | 60.20 | 1870.14 | 179.06 | 319.78 | 366.50 | 0.78 | 0.00 | -1.98 | MWD |
| 2012.00 | 23.80 | 61.00 | 1952.67 | 196.68 | 351.05 | 402.38 | 0.76 | 0.67 | 0.89 | MWD |
| 2103.00 | 25.20 | 61.70 | 2035.48 | 214.76 | 384.17 | 440.12 | 1.57 | 1.54 | 0.77 | MWD |
| 2194.00 | 24.30 | 62.00 | 2118.12 | 232.74 | 417.76 | 478.21 | 1.00 | -0.99 | 0.33 | MWD |
| 2285.00 | 24.50 | 60.20 | 2200.99 | 250.91 | 450.66 | 515.80 | 0.85 | 0.22 | -1.98 | MWD |
| 2375.00 | 24.60 | 58.80 | 2282.85 | 269.88 | 482.88 | 553.18 | 0.66 | 0.11 | -1.56 | MWD |
| 2466.00 | 25.30 | 60.20 | 2365.36 | 289.36 | 515.95 | 591.54 | 1.01 | 0.77 | 1.54 | MWD |
| 2557.00 | 25.90 | 61.00 | 2447.43 | 308.66 | 550.21 | 630.86 | 0.76 | 0.66 | 0.88 | MWD |
| 2648.00 | 26.60 | 61.00 | 2529.04 | 328.17 | 585.41 | 671.11 | 0.77 | 0.77 | 0.00 | MWD |
| 2739.00 | 27.40 | 61.30 | 2610.12 | 348.11 | 621.60 | 712.42 | 0.89 | 0.88 | 0.33 | MWD |
| 2830.00 | 26.70 | 61.00 | 2691.17 | 368.07 | 657.85 | 753.81 | 0.78 | -0.77 | -0.33 | MWD |
| 2921.00 | 26.20 | 62.00 | 2772.64 | 387.42 | 693.46 | 794.34 | 0.74 | -0.55 | 1.10 | MWD |
| 3011.00 | 25.70 | 61.00 | 2853.57 | 406.20 | 728.08 | 833.72 | 0.74 | -0.56 | -1.11 | MWD |
| 3102.00 | 26.60 | 61.00 | 2935.25 | 425.65 | 763.15 | 873.82 | 0.99 | 0.99 | 0.00 | MWD |
| 3193.00 | 26.20 | 61.30 | 3016.76 | 445.17 | 798.59 | 914.28 | 0.46 | -0.44 | 0.33 | MWD |
| 3284.00 | 25.80 | 63.10 | 3098.56 | 463.78 | 833.87 | 954.16 | 0.97 | -0.44 | 1.98 | MWD |
| 3375.00 | 25.70 | 62.40 | 3180.52 | 481.88 | 869.02 | 993.68 | 0.35 | -0.11 | -0.77 | MWD |
| 3466.00 | 26.00 | 63.10 | 3262.41 | 500.04 | 904.29 | 1033.34 | 0.47 | 0.33 | 0.77 | MWD |
| 3556.00 | 25.50 | 62.40 | 3343.48 | 517.95 | 939.05 | 1072.42 | 0.65 | -0.56 | -0.78 | MWD |
| 3647.00 | 26.20 | 61.00 | 3425.37 | 536.76 | 973.98 | 1112.09 | 1.02 | 0.77 | -1.54 | MWD |
| 3738.00 | 25.50 | 61.00 | 3507.27 | 556.00 | 1008.69 | 1151.77 | 0.77 | -0.77 | 0.00 | MWD |
| 3828.00 | 25.50 | 62.00 | 3588.50 | 574.48 | 1042.74 | 1190.52 | 0.48 | 0.00 | 1.11 | MWD |
| 3919.00 | 26.90 | 61.70 | 3670.15 | 593.44 | 1078.16 | 1230.69 | 1.55 | 1.54 | -0.33 | MWD |
| 4010.00 | 27.80 | 60.00 | 3750.98 | 613.81 | 1114.66 | 1272.49 | 1.31 | 0.99 | -1.87 | MWD |
| 4101.00 | 27.10 | 59.90 | 3831.73 | 634.82 | 1150.97 | 1314.43 | 0.77 | -0.77 | -0.11 | MWD |
| 4192.00 | 27.30 | 61.70 | 3912.67 | 655.10 | 1187.28 | 1356.02 | 0.93 | 0.22 | 1.98 | MWD |
| 4282.00 | 27.10 | 63.40 | 3992.72 | 674.07 | 1223.78 | 1397.14 | 0.89 | -0.22 | 1.89 | MWD |
| 4373.00 | 27.40 | 61.00 | 4073.62 | 693.50 | 1260.63 | 1438.79 | 1.25 | 0.33 | -2.64 | MWD |
| 4463.00 | 26.40 | 59.90 | 4153.88 | 713.58 | 1296.06 | 1479.51 | 1.24 | -1.11 | -1.22 | MWD |
| 4555.00 | 24.80 | 63.10 | 4236.85 | 732.57 | 1330.96 | 1519.24 | 2.30 | -1.74 | 3.48 | MWD |
| 4645.00 | 25.30 | 61.70 | 4318.39 | 750.22 | 1364.73 | 1557.34 | 0.86 | 0.56 | -1.56 | MWD |
| 4736.00 | 26.00 | 62.70 | 4400.42 | 768.59 | 1399.57 | 1596.72 | 0.90 | 0.77 | 1.10 | MWD |
| 4826.00 | 26.70 | 61.30 | 4481.07 | 787.35 | 1434.84 | 1636.66 | 1.04 | 0.78 | -1.56 | MWD |
| 4917.00 | 27.40 | 58.50 | 4562.12 | 808.11 | 1470.63 | 1678.02 | 1.60 | 0.77 | -3.08 | MWD |
| 5008.00 | 25.30 | 56.70 | 4643.66 | 829.73 | 1504.74 | 1718.34 | 2.47 | -2.31 | -1.98 | MWD |
| 5099.00 | 25.20 | 59.20 | 4725.96 | 850.32 | 1537.63 | 1757.09 | 1.18 | -0.11 | 2.75 | MWD |
| 5190.00 | 23.80 | 59.80 | 4808.77 | 869.48 | 1570.14 | 1794.81 | 1.56 | -1.54 | 0.66 | MWD |
| 5280.00 | 21.10 | 58.80 | 4891.94 | 887.01 | 1599.70 | 1829.16 | 3.03 | -3.00 | -1.11 | MWD |
| 5371.00 | 18.70 | 58.80 | 4977.50 | 903.05 | 1626.19 | 1860.11 | 2.64 | -2.64 | 0.00 | MWD |
| 5462.00 | 17.80 | 63.80 | 5063.93 | 916.75 | 1651.15 | 1888.58 | 1.98 | -0.99 | 5.49 | MWD |
| 5552.00 | 15.50 | 64.10 | 5150.15 | 928.08 | 1674.32 | 1914.33 | 2.56 | -2.56 | 0.33 | MWD |
| 5643.00 | 13.00 | 60.20 | 5238.34 | 938.48 | 1694.14 | 1936.71 | 2.94 | -2.75 | -4.29 | MWD |
| 5734.00 | 10.90 | 59.90 | 5327.37 | 947.88 | 1710.47 | 1955.55 | 2.31 | -2.31 | -0.33 | MWD |
| 5825.00 | 8.80 | 56.40 | 5417.02 | 956.05 | 1723.71 | 1971.09 | 2.40 | -2.31 | -3.85 | MWD |
| 5915.00 | 7.20 | 56.40 | 5506.14 | 962.98 | 1734.14 | 1983.57 | 1.78 | -1.78 | 0.00 | MWD |
| 6006.00 | 5.60 | 52.50 | 5596.57 | 968.84 | 1742.41 | 1993.65 | 1.82 | -1.76 | -4.29 | MWD |
| 6097.00 | 4.60 | 44.80 | 5687.21 | 974.13 | 1748.51 | 2001.54 | 1.33 | -1.10 | -8.46 | MWD |
| 6188.00 | 3.70 | 41.60 | 5777.97 | 978.92 | 1753.03 | 2007.81 | 1.02 | -0.99 | -3.52 | MWD |
| 6279.00 | 3.20 | 39.90 | 5868.81 | 983.06 | 1756.61 | 2012.95 | 0.56 | -0.55 | -1.87 | MWD |
| 6369.00 | 3.00 | 33.50 | 5958.68 | 986.95 | 1759.52 | 2017.38 | 0.44 | -0.22 | -7.11 | MWD |
| 6460.00 | 2.50 | 25.40 | 6049.57 | 990.73 | 1761.68 | 2021.10 | 0.69 | -0.55 | -8.90 | MWD |
| 6551.00 | 1.90 | 18.40 | 6140.50 | 993.96 | 1763.01 | 2023.83 | 0.72 | -0.66 | -7.69 | MWD |
| 6642.00 | 0.20 | 162.90 | 6231.49 | 995.24 | 1763.54 | 2024.90 | 2.27 | -1.87 | 158.79 | MWD |

Allis-Chalmers Energy, Inc.

Survey Report

| | | |
|--|---|---|
| Company: ANADARKO PETROLEUM Field: Weld County, CO Site: Platte 17-2 Pad Well: 26-2 Wellpath: Original Hole | Date: 05/16/2011 Co-ordinate(NE) Reference: Well: 26-2, Grid North Vertical (TVD) Reference: 4757'GL+15'KB 4772.0 Section (VS) Reference: Well (0.00N,0.00E,61.07Azi) Survey Calculation Method: Minimum Curvature | Page: 3 Db: Adapti |
|--|---|---|

Survey

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| 6733.00 | 0.40 | 219.20 | 6322.49 | 994.84 | 1763.38 | 2024.58 | 0.37 | 0.22 | 61.87 | MWD |
| 6823.00 | 0.40 | 273.60 | 6412.49 | 994.62 | 1762.87 | 2024.02 | 0.41 | 0.00 | 60.44 | MWD |
| 6914.00 | 0.90 | 270.10 | 6503.48 | 994.64 | 1761.84 | 2023.13 | 0.55 | 0.55 | -3.85 | MWD |
| 7005.00 | 0.90 | 128.10 | 6594.48 | 994.20 | 1761.69 | 2022.78 | 1.87 | 0.00 | -156.04 | MWD |
| 7096.00 | 0.90 | 150.20 | 6685.46 | 993.14 | 1762.60 | 2023.07 | 0.38 | 0.00 | 24.29 | MWD |
| 7187.00 | 0.50 | 158.70 | 6776.46 | 992.15 | 1763.10 | 2023.03 | 0.45 | -0.44 | 9.34 | MWD |
| 7277.00 | 0.40 | 181.50 | 6866.45 | 991.47 | 1763.24 | 2022.82 | 0.23 | -0.11 | 25.33 | MWD |
| 7368.00 | 0.40 | 223.00 | 6957.45 | 990.92 | 1763.01 | 2022.35 | 0.31 | 0.00 | 45.60 | MWD |
| 7459.00 | 0.40 | 149.90 | 7048.45 | 990.41 | 1762.95 | 2022.06 | 0.52 | 0.00 | -80.33 | MWD |
| 7641.00 | 0.70 | 160.80 | 7230.44 | 988.81 | 1763.64 | 2021.88 | 0.17 | 0.16 | 5.99 | MWD |
| 7822.00 | 0.50 | 222.30 | 7411.43 | 987.18 | 1763.47 | 2020.95 | 0.35 | -0.11 | 33.98 | MWD |
| 8004.00 | 0.90 | 280.70 | 7593.42 | 986.86 | 1761.53 | 2019.10 | 0.42 | 0.22 | 32.09 | MWD |
| 8187.00 | 1.10 | 272.20 | 7776.39 | 987.19 | 1758.36 | 2016.49 | 0.14 | 0.11 | -4.64 | MWD |
| 8192.61 | 1.10 | 272.20 | 7782.00 | 987.20 | 1758.26 | 2016.39 | 0.00 | 0.00 | 0.00 | 26-2 PBHL |
| 8232.00 | 1.10 | 272.20 | 7821.39 | 987.23 | 1757.50 | 2015.75 | 0.00 | 0.00 | 0.00 | 26-2 BHL |

Targets

| Name | Description Dip. | Dir. | TVD ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | <---- Latitude ----> Deg Min Sec | | | <--- Longitude ---> Deg Min Sec | | |
|----------------------|---------------------|------|-----------|-------------|-------------|-----------------------|----------------------|-------------------------------------|----|----------|------------------------------------|----|----------|
| 26-2 SL | | | 0.00 | 0.00 | 0.00 | 1337728.23 | 3179943.66 | 40 | 15 | 31.176 N | 104 | 51 | 18.965 W |
| 26-2 PBHL | | | 7782.00 | 979.42 | 1772.01 | 1338707.64 | 3181715.68 | 40 | 15 | 40.727 N | 104 | 50 | 56.016 W |
| -Circle (Radius: 50) | | | | | | | | | | | | | |
| 26-2 BHL | | | 7821.39 | 987.23 | 1757.50 | 1338715.46 | 3181701.16 | 40 | 15 | 40.805 N | 104 | 50 | 56.202 W |