

Anadarko Petroleum Corp.

Weld County, CO (NAD 83)

Sec. 26-T2N-R65W

Hudson 13N-35HZ

Plan B Rev 0

Design: Actual Field Surveys

Sperry Drilling Services

Standard Report

01 March, 2013

Well Coordinates: 1,286,228.71 N, 3,240,852.01 E (40° 06' 57.17" N, 104° 38' 19.71" W)

Ground Level: 4,908.00 ft

Local Coordinate Origin:

Centered on Well Hudson 13N-35HZ

Viewing Datum:

RKB=16 @ 4924.00ft (Xtreme 22)

TVDs to System:

N

North Reference:

True

Unit System:

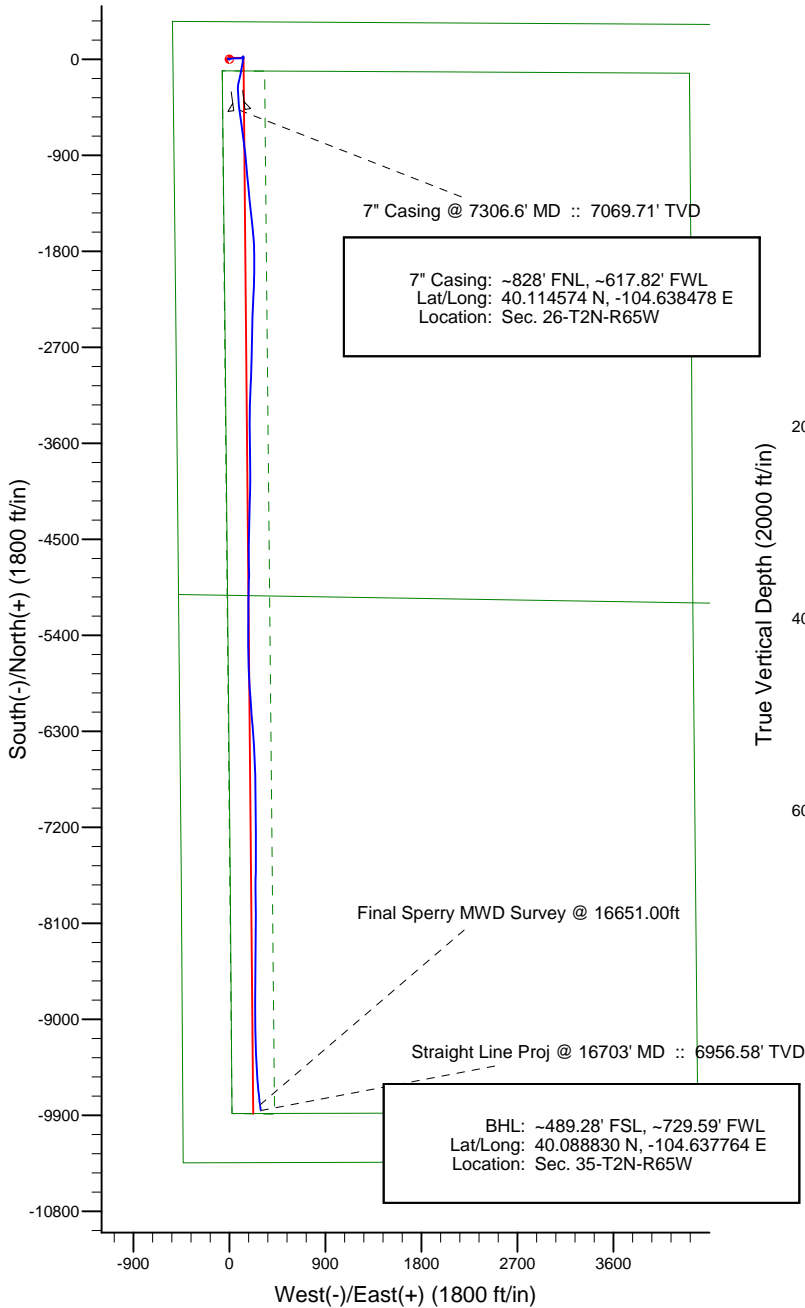
API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 43I

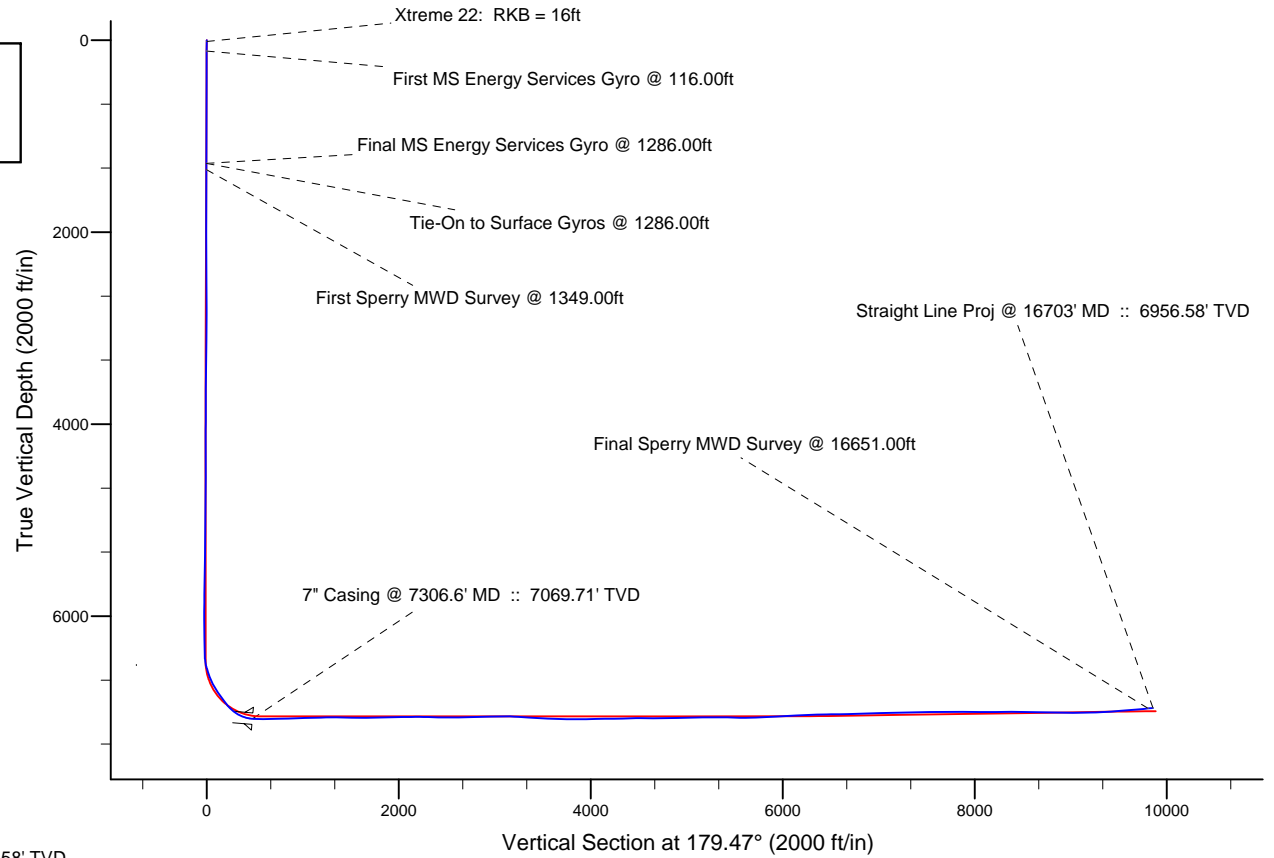
HALLIBURTON

Project: Weld County, CO (NAD 83)
 Site: Sec. 26-T2N-R65W
 Well: Hudson 13N-35HZ
 Wellbore: Plan B Rev 0
 Design: Actual Field Surveys



LEGEND

- +— Hudson 13N-35HZ, Plan B Rev 0, Plan B Rev 0 Proposal V0
- Actual Field Surveys



| | |
|-------------------------------------------------------------|------------------|
| WELL DETAILS: Hudson 13N-35HZ | |
| Ground Level: 4908.00 | |
| RKB=16 @ 4924.00ft (Xtreme 22) | |
| Design: Actual Field Surveys (Hudson 13N-35HZ/Plan B Rev 0) | |
| Created By: Fred Hartmann | Date: 03/01/2013 |
| Reviewed: _____ | Date: _____ |

Design Report for Hudson 13N-35HZ - Actual Field Surveys

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) |
|----------------------------------------------------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16.00 | 0.00 | 0.00 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Xtreme 22: RKB = 16ft | | | | | | | |
| 116.00 | 0.65 | 299.09 | 116.00 | 0.28 | -0.50 | -0.28 | 0.65 |
| First MS Energy Services Gyro @ 116.00ft | | | | | | | |
| 216.00 | 0.98 | 286.92 | 215.99 | 0.80 | -1.81 | -0.82 | 0.37 |
| 316.00 | 0.71 | 280.87 | 315.98 | 1.17 | -3.24 | -1.20 | 0.28 |
| 416.00 | 0.41 | 262.76 | 415.97 | 1.24 | -4.20 | -1.28 | 0.34 |
| 516.00 | 0.52 | 326.81 | 515.97 | 1.57 | -4.80 | -1.62 | 0.50 |
| 616.00 | 0.57 | 321.02 | 615.96 | 2.34 | -5.36 | -2.39 | 0.07 |
| 716.00 | 0.50 | 294.93 | 715.96 | 2.91 | -6.07 | -2.97 | 0.25 |
| 816.00 | 0.37 | 267.22 | 815.96 | 3.08 | -6.79 | -3.14 | 0.24 |
| 916.00 | 0.29 | 233.71 | 915.96 | 2.91 | -7.32 | -2.98 | 0.21 |
| 1,016.00 | 0.06 | 185.49 | 1,015.96 | 2.71 | -7.53 | -2.78 | 0.25 |
| 1,116.00 | 0.29 | 20.30 | 1,115.96 | 2.90 | -7.44 | -2.96 | 0.35 |
| 1,216.00 | 0.45 | 303.43 | 1,215.95 | 3.35 | -7.68 | -3.42 | 0.48 |
| 1,286.00 | 0.39 | 311.02 | 1,285.95 | 3.66 | -8.09 | -3.73 | 0.12 |
| Final MS Energy Services Gyro @ 1286.00ft - Tie-On to Surface Gyros @ 1286.00ft | | | | | | | |
| 1,349.00 | 0.31 | 283.73 | 1,348.95 | 3.84 | -8.42 | -3.92 | 0.29 |
| First Sperry MWD Survey @ 1349.00ft | | | | | | | |
| 1,533.00 | 0.36 | 314.31 | 1,532.95 | 4.36 | -9.32 | -4.45 | 0.10 |
| 1,806.00 | 0.47 | 305.35 | 1,805.94 | 5.61 | -10.84 | -5.71 | 0.05 |
| 2,080.00 | 0.17 | 128.73 | 2,079.94 | 6.00 | -11.44 | -6.11 | 0.23 |
| 2,353.00 | 0.70 | 144.72 | 2,352.93 | 4.39 | -10.16 | -4.48 | 0.20 |
| 2,439.00 | 0.81 | 165.08 | 2,438.92 | 3.37 | -9.70 | -3.46 | 0.33 |
| 2,525.00 | 0.66 | 119.17 | 2,524.92 | 2.54 | -9.12 | -2.63 | 0.69 |
| 2,783.00 | 1.06 | 120.15 | 2,782.89 | 0.62 | -5.75 | -0.67 | 0.16 |
| 2,868.00 | 1.29 | 96.78 | 2,867.87 | 0.11 | -4.12 | -0.15 | 0.62 |
| 2,954.00 | 1.52 | 48.21 | 2,953.85 | 0.76 | -2.31 | -0.78 | 1.37 |
| 3,040.00 | 2.31 | 55.66 | 3,039.80 | 2.50 | -0.03 | -2.50 | 0.96 |
| 3,125.00 | 3.05 | 75.77 | 3,124.71 | 4.02 | 3.58 | -3.99 | 1.40 |
| 3,211.00 | 4.04 | 78.55 | 3,210.54 | 5.18 | 8.76 | -5.10 | 1.17 |
| 3,297.00 | 5.05 | 79.70 | 3,296.27 | 6.46 | 15.46 | -6.32 | 1.18 |
| 3,383.00 | 6.92 | 90.10 | 3,381.80 | 7.13 | 24.36 | -6.90 | 2.51 |
| 3,468.00 | 7.18 | 82.81 | 3,466.16 | 7.78 | 34.75 | -7.46 | 1.10 |
| 3,554.00 | 7.61 | 82.02 | 3,551.44 | 9.25 | 45.72 | -8.82 | 0.51 |
| 3,640.00 | 8.55 | 89.99 | 3,636.59 | 10.04 | 57.76 | -9.50 | 1.70 |
| 3,726.00 | 8.86 | 88.83 | 3,721.60 | 10.18 | 70.77 | -9.52 | 0.41 |
| 3,811.00 | 7.66 | 89.98 | 3,805.72 | 10.31 | 82.98 | -9.54 | 1.43 |
| 3,897.00 | 6.80 | 87.70 | 3,891.03 | 10.52 | 93.80 | -9.65 | 1.05 |
| 3,983.00 | 5.99 | 88.14 | 3,976.50 | 10.87 | 103.37 | -9.91 | 0.94 |
| 4,068.00 | 5.65 | 88.68 | 4,061.06 | 11.11 | 111.99 | -10.07 | 0.41 |
| 4,154.00 | 4.35 | 90.08 | 4,146.73 | 11.20 | 119.48 | -10.10 | 1.52 |
| 4,240.00 | 2.97 | 80.04 | 4,232.55 | 11.58 | 124.94 | -10.43 | 1.76 |
| 4,326.00 | 1.45 | 78.15 | 4,318.48 | 12.19 | 128.20 | -11.00 | 1.77 |
| 4,411.00 | 0.43 | 187.47 | 4,403.48 | 12.10 | 129.21 | -10.90 | 1.93 |
| 4,497.00 | 0.71 | 228.29 | 4,489.47 | 11.42 | 128.77 | -10.23 | 0.55 |
| 4,583.00 | 0.92 | 275.90 | 4,575.46 | 11.14 | 127.69 | -9.96 | 0.80 |
| 4,754.00 | 0.87 | 273.80 | 4,746.44 | 11.36 | 125.02 | -10.21 | 0.03 |
| 4,926.00 | 0.85 | 321.13 | 4,918.43 | 12.44 | 122.92 | -11.31 | 0.40 |

Design Report for Hudson 13N-35HZ - Actual Field Surveys

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) |
|-----------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|
| 5,097.00 | 1.08 | 342.36 | 5,089.40 | 14.97 | 121.64 | -13.84 | 0.25 |
| 5,269.00 | 1.61 | 348.12 | 5,261.35 | 18.88 | 120.65 | -17.76 | 0.32 |
| 5,354.00 | 0.63 | 5.16 | 5,346.34 | 20.51 | 120.44 | -19.40 | 1.21 |
| 5,526.00 | 0.79 | 23.81 | 5,518.32 | 22.54 | 121.01 | -21.42 | 0.16 |
| 5,697.00 | 0.93 | 48.68 | 5,689.31 | 24.53 | 122.53 | -23.40 | 0.23 |
| 5,869.00 | 1.97 | 55.87 | 5,861.25 | 27.11 | 126.02 | -25.95 | 0.61 |
| 5,955.00 | 1.00 | 79.22 | 5,947.22 | 28.08 | 127.98 | -26.90 | 1.31 |
| 6,040.00 | 1.09 | 104.54 | 6,032.21 | 28.02 | 129.49 | -26.82 | 0.55 |
| 6,126.00 | 1.23 | 155.94 | 6,118.19 | 26.97 | 130.66 | -25.76 | 1.18 |
| 6,212.00 | 1.18 | 173.18 | 6,204.17 | 25.25 | 131.14 | -24.03 | 0.42 |
| 6,373.00 | 1.18 | 204.33 | 6,365.14 | 22.09 | 130.66 | -20.88 | 0.39 |
| 6,431.00 | 2.07 | 191.07 | 6,423.11 | 20.52 | 130.21 | -19.31 | 1.66 |
| 6,474.00 | 7.47 | 188.72 | 6,465.95 | 16.99 | 129.64 | -15.79 | 12.56 |
| 6,517.00 | 12.66 | 190.87 | 6,508.27 | 9.60 | 128.32 | -8.41 | 12.10 |
| 6,560.00 | 16.20 | 188.33 | 6,549.91 | -0.97 | 126.57 | 2.14 | 8.36 |
| 6,603.00 | 19.79 | 185.79 | 6,590.80 | -14.15 | 124.96 | 15.31 | 8.54 |
| 6,646.00 | 22.28 | 188.31 | 6,630.93 | -29.46 | 123.05 | 30.60 | 6.16 |
| 6,689.00 | 23.53 | 189.82 | 6,670.54 | -45.99 | 120.41 | 47.10 | 3.21 |
| 6,731.00 | 26.70 | 191.07 | 6,708.57 | -63.51 | 117.16 | 64.59 | 7.65 |
| 6,774.00 | 30.06 | 190.84 | 6,746.39 | -83.58 | 113.28 | 84.62 | 7.82 |
| 6,817.00 | 34.83 | 189.58 | 6,782.67 | -106.28 | 109.21 | 107.28 | 11.20 |
| 6,860.00 | 38.13 | 191.32 | 6,817.24 | -131.41 | 104.56 | 132.37 | 8.04 |
| 6,903.00 | 37.07 | 192.53 | 6,851.31 | -157.08 | 99.14 | 157.99 | 3.00 |
| 6,946.00 | 35.59 | 193.94 | 6,885.95 | -181.87 | 93.32 | 182.73 | 3.95 |
| 6,989.00 | 38.99 | 193.80 | 6,920.16 | -207.16 | 87.07 | 207.96 | 7.91 |
| 7,032.00 | 44.18 | 188.03 | 6,952.32 | -235.17 | 81.75 | 235.91 | 14.99 |
| 7,074.00 | 48.81 | 181.09 | 6,981.25 | -265.49 | 79.40 | 266.22 | 16.27 |
| 7,117.00 | 55.31 | 177.66 | 7,007.67 | -299.38 | 79.81 | 300.10 | 16.37 |
| 7,160.00 | 62.04 | 176.61 | 7,030.02 | -336.04 | 81.66 | 336.78 | 15.79 |
| 7,203.00 | 69.53 | 177.21 | 7,047.64 | -375.17 | 83.77 | 375.93 | 17.46 |
| 7,246.00 | 76.26 | 175.36 | 7,060.28 | -416.16 | 86.44 | 416.94 | 16.18 |
| 7,277.00 | 81.55 | 173.90 | 7,066.25 | -446.43 | 89.29 | 447.24 | 17.68 |
| 7,306.60 | 85.03 | 172.85 | 7,069.71 | -475.63 | 92.68 | 476.47 | 12.26 |
| 7" Casing @ 7306.6' MD :: 7069.71' TVD | | | | | | | |
| 7,340.00 | 88.95 | 171.68 | 7,071.46 | -508.67 | 97.17 | 509.55 | 12.26 |
| 7,425.00 | 89.94 | 172.06 | 7,072.28 | -592.81 | 109.19 | 593.80 | 1.25 |
| 7,511.00 | 90.99 | 171.63 | 7,071.59 | -677.94 | 121.39 | 679.03 | 1.32 |
| 7,597.00 | 91.85 | 173.09 | 7,069.45 | -763.15 | 132.82 | 764.34 | 1.97 |
| 7,683.00 | 91.61 | 173.30 | 7,066.86 | -848.50 | 143.00 | 849.79 | 0.37 |
| 7,769.00 | 92.04 | 174.77 | 7,064.12 | -933.99 | 151.94 | 935.35 | 1.78 |
| 7,854.00 | 91.54 | 174.73 | 7,061.46 | -1,018.59 | 159.71 | 1,020.03 | 0.59 |
| 7,940.00 | 91.73 | 174.79 | 7,059.01 | -1,104.20 | 167.56 | 1,105.70 | 0.23 |
| 8,026.00 | 91.54 | 175.00 | 7,056.56 | -1,189.82 | 175.21 | 1,191.39 | 0.33 |
| 8,112.00 | 90.86 | 174.13 | 7,054.76 | -1,275.41 | 183.35 | 1,277.06 | 1.28 |
| 8,197.00 | 89.01 | 173.99 | 7,054.85 | -1,359.95 | 192.15 | 1,361.67 | 2.18 |
| 8,283.00 | 89.38 | 173.79 | 7,056.06 | -1,445.46 | 201.30 | 1,447.26 | 0.49 |
| 8,369.00 | 88.95 | 173.83 | 7,057.31 | -1,530.95 | 210.58 | 1,532.83 | 0.50 |
| 8,455.00 | 89.75 | 173.52 | 7,058.29 | -1,616.42 | 220.05 | 1,618.38 | 1.00 |
| 8,555.00 | 90.86 | 177.00 | 7,057.76 | -1,716.06 | 228.31 | 1,718.09 | 3.65 |
| 8,626.00 | 91.36 | 178.74 | 7,056.38 | -1,786.99 | 230.95 | 1,789.05 | 2.55 |
| 8,712.00 | 91.36 | 180.17 | 7,054.34 | -1,872.96 | 231.77 | 1,875.02 | 1.66 |

Design Report for Hudson 13N-35HZ - Actual Field Surveys

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|
| 8,797.00 | 91.11 | 180.19 | 7,052.51 | -1,957.94 | 231.50 | 1,960.00 | 0.30 |
| 8,883.00 | 90.37 | 181.62 | 7,051.40 | -2,043.92 | 230.14 | 2,045.96 | 1.87 |
| 8,969.00 | 91.05 | 181.99 | 7,050.33 | -2,129.87 | 227.43 | 2,131.88 | 0.90 |
| 9,054.00 | 89.69 | 182.71 | 7,049.78 | -2,214.79 | 223.95 | 2,216.77 | 1.81 |
| 9,140.00 | 87.90 | 182.32 | 7,051.59 | -2,300.69 | 220.18 | 2,302.63 | 2.13 |
| 9,226.00 | 87.96 | 182.43 | 7,054.70 | -2,386.56 | 216.61 | 2,388.46 | 0.15 |
| 9,312.00 | 89.57 | 181.61 | 7,056.55 | -2,472.48 | 213.58 | 2,474.35 | 2.10 |
| 9,398.00 | 91.42 | 181.16 | 7,055.81 | -2,558.45 | 211.51 | 2,560.30 | 2.21 |
| 9,483.00 | 90.80 | 180.51 | 7,054.16 | -2,643.42 | 210.27 | 2,645.25 | 1.06 |
| 9,569.00 | 91.48 | 180.88 | 7,052.45 | -2,729.40 | 209.22 | 2,731.22 | 0.90 |
| 9,655.00 | 91.05 | 181.71 | 7,050.55 | -2,815.36 | 207.28 | 2,817.15 | 1.09 |
| 9,741.00 | 92.10 | 182.15 | 7,048.19 | -2,901.27 | 204.39 | 2,903.04 | 1.32 |
| 9,827.00 | 90.49 | 182.57 | 7,046.24 | -2,987.17 | 200.85 | 2,988.90 | 1.93 |
| 9,912.00 | 90.86 | 182.53 | 7,045.24 | -3,072.08 | 197.06 | 3,073.78 | 0.44 |
| 9,998.00 | 88.58 | 182.16 | 7,045.66 | -3,158.01 | 193.55 | 3,159.66 | 2.69 |
| 10,084.00 | 87.28 | 181.16 | 7,048.77 | -3,243.91 | 191.06 | 3,245.54 | 1.91 |
| 10,170.00 | 85.73 | 180.13 | 7,054.01 | -3,329.74 | 190.09 | 3,331.36 | 2.16 |
| 10,255.00 | 86.79 | 179.87 | 7,059.56 | -3,414.56 | 190.09 | 3,416.17 | 1.28 |
| 10,347.00 | 86.10 | 179.93 | 7,065.26 | -3,506.38 | 190.25 | 3,507.99 | 0.75 |
| 10,438.00 | 86.85 | 179.29 | 7,070.86 | -3,597.21 | 190.87 | 3,598.82 | 1.08 |
| 10,530.00 | 88.58 | 180.00 | 7,074.52 | -3,689.13 | 191.44 | 3,690.74 | 2.03 |
| 10,623.00 | 90.06 | 179.23 | 7,075.63 | -3,782.11 | 192.06 | 3,783.73 | 1.79 |
| 10,716.00 | 91.55 | 179.06 | 7,074.32 | -3,875.09 | 193.45 | 3,876.72 | 1.61 |
| 10,808.00 | 91.98 | 180.36 | 7,071.49 | -3,967.05 | 193.91 | 3,968.67 | 1.49 |
| 10,899.00 | 89.81 | 181.00 | 7,070.07 | -4,058.02 | 192.83 | 4,059.63 | 2.49 |
| 10,991.00 | 90.49 | 181.70 | 7,069.83 | -4,150.00 | 190.67 | 4,151.58 | 1.06 |
| 11,083.00 | 90.93 | 181.55 | 7,068.69 | -4,241.95 | 188.06 | 4,243.51 | 0.51 |
| 11,175.00 | 91.54 | 181.74 | 7,066.70 | -4,333.89 | 185.42 | 4,335.42 | 0.69 |
| 11,266.00 | 91.61 | 181.63 | 7,064.20 | -4,424.82 | 182.74 | 4,426.32 | 0.14 |
| 11,359.00 | 90.12 | 180.47 | 7,062.80 | -4,517.79 | 181.04 | 4,519.27 | 2.03 |
| 11,451.00 | 89.88 | 179.64 | 7,062.80 | -4,609.79 | 180.95 | 4,611.26 | 0.94 |
| 11,541.00 | 89.69 | 179.44 | 7,063.14 | -4,699.78 | 181.67 | 4,701.26 | 0.31 |
| 11,633.00 | 89.75 | 179.20 | 7,063.59 | -4,791.77 | 182.77 | 4,793.26 | 0.27 |
| 11,725.00 | 91.42 | 181.55 | 7,062.65 | -4,883.76 | 182.16 | 4,885.23 | 3.13 |
| 11,816.00 | 91.42 | 181.59 | 7,060.39 | -4,974.70 | 179.67 | 4,976.15 | 0.04 |
| 11,908.00 | 91.61 | 181.34 | 7,057.96 | -5,066.63 | 177.32 | 5,068.06 | 0.34 |
| 11,998.00 | 92.16 | 180.43 | 7,055.00 | -5,156.57 | 175.93 | 5,157.98 | 1.18 |
| 12,088.00 | 89.51 | 180.74 | 7,053.69 | -5,246.55 | 175.01 | 5,247.95 | 2.96 |
| 12,180.00 | 88.89 | 180.58 | 7,054.97 | -5,338.54 | 173.95 | 5,339.92 | 0.70 |
| 12,272.00 | 88.39 | 179.40 | 7,057.15 | -5,430.51 | 173.97 | 5,431.88 | 1.39 |
| 12,362.00 | 88.89 | 178.92 | 7,059.29 | -5,520.47 | 175.29 | 5,521.86 | 0.77 |
| 12,453.00 | 91.30 | 178.51 | 7,059.14 | -5,611.44 | 177.33 | 5,612.84 | 2.69 |
| 12,545.00 | 91.85 | 177.84 | 7,056.61 | -5,703.36 | 180.26 | 5,704.78 | 0.94 |
| 12,636.00 | 91.92 | 177.24 | 7,053.62 | -5,794.23 | 184.16 | 5,795.68 | 0.66 |
| 12,728.00 | 92.66 | 176.60 | 7,049.94 | -5,886.02 | 189.10 | 5,887.52 | 1.06 |
| 12,820.00 | 93.90 | 175.92 | 7,044.68 | -5,977.67 | 195.09 | 5,979.22 | 1.54 |
| 12,911.00 | 94.02 | 176.05 | 7,038.39 | -6,068.23 | 201.45 | 6,069.83 | 0.19 |
| 13,003.00 | 92.10 | 175.27 | 7,033.48 | -6,159.83 | 208.40 | 6,161.49 | 2.25 |
| 13,089.00 | 91.42 | 175.20 | 7,030.84 | -6,245.49 | 215.54 | 6,247.22 | 0.79 |
| 13,174.00 | 92.91 | 175.79 | 7,027.63 | -6,330.17 | 222.21 | 6,331.95 | 1.89 |
| 13,260.00 | 91.05 | 176.89 | 7,024.66 | -6,415.93 | 227.70 | 6,417.77 | 2.51 |

Design Report for Hudson 13N-35HZ - Actual Field Surveys

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) |
|-------------------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|
| 13,346.00 | 89.94 | 176.47 | 7,023.92 | -6,501.79 | 232.68 | 6,503.66 | 1.38 |
| 13,432.00 | 91.18 | 177.52 | 7,023.08 | -6,587.66 | 237.19 | 6,589.57 | 1.89 |
| 13,517.00 | 91.92 | 178.62 | 7,020.78 | -6,672.58 | 240.05 | 6,674.51 | 1.56 |
| 13,603.00 | 92.10 | 178.25 | 7,017.76 | -6,758.49 | 242.39 | 6,760.45 | 0.48 |
| 13,689.00 | 91.42 | 179.73 | 7,015.12 | -6,844.44 | 243.91 | 6,846.40 | 1.89 |
| 13,775.00 | 91.79 | 179.07 | 7,012.71 | -6,930.40 | 244.81 | 6,932.37 | 0.88 |
| 13,860.00 | 91.17 | 179.43 | 7,010.51 | -7,015.36 | 245.92 | 7,017.34 | 0.84 |
| 13,946.00 | 91.05 | 179.54 | 7,008.85 | -7,101.34 | 246.69 | 7,103.32 | 0.19 |
| 14,032.00 | 91.61 | 180.60 | 7,006.85 | -7,187.32 | 246.59 | 7,189.29 | 1.39 |
| 14,118.00 | 92.10 | 180.06 | 7,004.07 | -7,273.27 | 246.09 | 7,275.24 | 0.85 |
| 14,203.00 | 91.79 | 179.62 | 7,001.18 | -7,358.22 | 246.33 | 7,360.18 | 0.63 |
| 14,289.00 | 90.93 | 179.83 | 6,999.14 | -7,444.19 | 246.74 | 7,446.16 | 1.03 |
| 14,375.00 | 90.37 | 180.56 | 6,998.17 | -7,530.19 | 246.45 | 7,532.15 | 1.07 |
| 14,461.00 | 90.31 | 180.51 | 6,997.66 | -7,616.18 | 245.65 | 7,618.13 | 0.09 |
| 14,547.00 | 90.06 | 180.76 | 6,997.38 | -7,702.18 | 244.70 | 7,704.11 | 0.41 |
| 14,632.00 | 89.69 | 180.29 | 6,997.56 | -7,787.17 | 243.92 | 7,789.10 | 0.70 |
| 14,718.00 | 89.44 | 179.72 | 6,998.22 | -7,873.17 | 243.91 | 7,875.09 | 0.72 |
| 14,804.00 | 89.07 | 179.86 | 6,999.33 | -7,959.16 | 244.22 | 7,961.08 | 0.46 |
| 14,890.00 | 90.06 | 179.65 | 6,999.99 | -8,045.16 | 244.59 | 8,047.08 | 1.18 |
| 14,976.00 | 90.19 | 179.44 | 6,999.80 | -8,131.15 | 245.27 | 8,133.08 | 0.29 |
| 15,061.00 | 90.19 | 179.41 | 6,999.52 | -8,216.15 | 246.13 | 8,218.07 | 0.04 |
| 15,147.00 | 90.25 | 180.15 | 6,999.19 | -8,302.15 | 246.46 | 8,304.07 | 0.86 |
| 15,233.00 | 90.25 | 180.59 | 6,998.81 | -8,388.14 | 245.90 | 8,390.06 | 0.51 |
| 15,319.00 | 90.00 | 180.55 | 6,998.63 | -8,474.14 | 245.05 | 8,476.04 | 0.29 |
| 15,405.00 | 89.63 | 180.54 | 6,998.90 | -8,560.14 | 244.23 | 8,562.03 | 0.43 |
| 15,490.00 | 89.20 | 181.14 | 6,999.77 | -8,645.12 | 242.98 | 8,647.00 | 0.87 |
| 15,576.00 | 89.14 | 181.14 | 7,001.02 | -8,731.10 | 241.27 | 8,732.95 | 0.07 |
| 15,662.00 | 88.27 | 180.69 | 7,002.96 | -8,817.06 | 239.90 | 8,818.90 | 1.14 |
| 15,748.00 | 88.21 | 180.11 | 7,005.60 | -8,903.02 | 239.30 | 8,904.85 | 0.68 |
| 15,833.00 | 89.07 | 179.40 | 7,007.62 | -8,987.99 | 239.66 | 8,989.82 | 1.31 |
| 15,919.00 | 90.62 | 178.56 | 7,007.85 | -9,073.98 | 241.19 | 9,075.82 | 2.05 |
| 16,005.00 | 91.73 | 178.57 | 7,006.09 | -9,159.93 | 243.35 | 9,161.79 | 1.29 |
| 16,091.00 | 92.54 | 178.04 | 7,002.88 | -9,245.83 | 245.89 | 9,247.71 | 1.13 |
| 16,176.00 | 93.22 | 177.54 | 6,998.61 | -9,330.66 | 249.16 | 9,332.56 | 0.99 |
| 16,262.00 | 93.65 | 176.79 | 6,993.46 | -9,416.40 | 253.41 | 9,418.34 | 1.00 |
| 16,348.00 | 93.96 | 176.43 | 6,987.75 | -9,502.06 | 258.48 | 9,504.04 | 0.55 |
| 16,434.00 | 94.27 | 175.23 | 6,981.58 | -9,587.61 | 264.72 | 9,589.65 | 1.44 |
| 16,519.00 | 95.00 | 174.79 | 6,974.71 | -9,672.01 | 272.09 | 9,674.11 | 1.00 |
| 16,605.00 | 95.76 | 173.64 | 6,966.65 | -9,757.19 | 280.72 | 9,759.37 | 1.60 |
| 16,651.00 | 95.94 | 173.03 | 6,961.96 | -9,802.64 | 286.03 | 9,804.87 | 1.38 |
| Final Sperry MWD Survey @ 16651.00ft | | | | | | | |
| 16,703.00 | 95.94 | 173.03 | 6,956.58 | -9,853.98 | 292.30 | 9,856.26 | 0.00 |
| Straight Line Proj @ 16703' MD :: 6956.58' TVD | | | | | | | |

Design Report for Hudson 13N-35HZ - Actual Field Surveys**Design Annotations**

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------------|---------------------------|-------------------|---------------|------------------------------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 16.00 | 16.00 | 0.00 | 0.00 | Xtreme 22: RKB = 16ft |
| 116.00 | 116.00 | 0.28 | -0.50 | First MS Energy Services Gyro @ 116.00ft |
| 1,286.00 | 1,285.95 | 3.66 | -8.09 | Final MS Energy Services Gyro @ 1286.00ft |
| 1,286.00 | 1,285.95 | 3.66 | -8.09 | Tie-On to Surface Gyros @ 1286.00ft |
| 1,349.00 | 1,348.95 | 3.84 | -8.42 | First Sperry MWD Survey @ 1349.00ft |
| 16,651.00 | 6,961.96 | -9,802.64 | 286.03 | Final Sperry MWD Survey @ 16651.00ft |
| 16,703.00 | 6,956.58 | -9,853.98 | 292.30 | Straight Line Proj @ 16703' MD :: 6956.58' TVD |

Vertical Section Information

| Angle Type | Target | Azimuth (°) | Origin Type | Origin | | Start TVD (ft) |
|---------------|----------------------|----------------|----------------|---------------|---------------|----------------------|
| | | | | +N/_S (ft) | +E/-W (ft) | |
| User | No Target (Freehand) | 179.47 | Slot | 0.00 | 0.00 | 0.00 |

Survey tool program

| From (ft) | To (ft) | Survey/Plan | Survey Tool |
|--------------|------------|------------------------------------|-------------|
| 16.00 | 1,286.00 | MS Energy Services - Surface Gyros | NS-GYRO-MS |
| 1,349.00 | 7,277.00 | Sperry MWD Surveys - Vert/Build | MWD+SC |
| 7,340.00 | 16,651.00 | Sperry MWD Surveys - Lateral | MWD+SC |

Casing Details

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------------|---------------------------|----------------------------------------|---------------------------|-------------------------|
| 7,306.60 | 7,069.71 | 7" Casing @ 7306.6' MD :: 7069.71' TVD | 7 | 8-3/4 |

Design Report for Hudson 13N-35HZ - Actual Field Surveys**Targets**

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|--------------------------------------------------------------------------------------------------------|---------------------|--------------------|-------------|---------------|---------------|------------------|-----------------|-----------|-------------|
| Hudson 13N-35HZ_↓ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | | -69.42 | -106.56 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | | 22.94 | -9,883.89 | 1,276,345.90 | 3,240,970.93 | | |
| Point 3 | | | | 421.94 | -9,887.77 | 1,276,345.90 | 3,241,369.93 | | |
| Point 4 | | | | 329.58 | -110.43 | 1,286,121.49 | 3,241,182.63 | | |
| Point 5 | | | | -69.42 | -106.56 | 1,286,121.48 | 3,240,783.63 | | |
| Hudson 13N-35HZ_↓ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | | -534.91 | 356.11 | 1,286,579.59 | 3,240,313.69 | | |
| Point 2 | | | | -503.64 | -2,305.75 | 1,283,918.27 | 3,240,370.80 | | |
| Point 3 | | | | -452.67 | -7,656.87 | 1,278,568.11 | 3,240,473.74 | | |
| Point 4 | | | | -433.86 | -10,345.20 | 1,275,880.20 | 3,240,518.65 | | |
| Point 5 | | | | 4,853.71 | -10,330.31 | 1,275,946.44 | 3,245,805.61 | | |
| Point 6 | | | | 4,828.30 | -7,703.59 | 1,278,572.68 | 3,245,754.70 | | |
| Point 7 | | | | 4,802.71 | -5,102.12 | 1,281,173.67 | 3,245,703.85 | | |
| Point 8 | | | | 4,790.31 | -2,370.40 | 1,283,905.03 | 3,245,664.92 | | |
| Point 9 | | | | 4,769.38 | 326.30 | 1,286,601.29 | 3,245,617.80 | | |
| Point 10 | | | | 2,117.34 | 341.06 | 1,286,590.30 | 3,242,965.85 | | |
| Point 11 | | | | -534.91 | 356.11 | 1,286,579.59 | 3,240,313.69 | | |
| Hudson 13N-35HZ_↓ | 0.00 | 0.00 | 6,990.00 | -9,883.25 | 223.00 | 1,276,348.48 | 3,241,170.97 | 40.088750 | -104.638012 |
| - actual wellpath misses target center by 82.32ft at 16703.00ft MD (6956.58 TVD, -9853.98 N, 292.30 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_↓ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_↓ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | | -69.42 | -106.56 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | | -43.52 | -2,311.37 | 1,283,917.12 | 3,240,830.94 | | |
| Point 3 | | | | 7.39 | -7,660.94 | 1,278,568.51 | 3,240,933.79 | | |
| Point 4 | | | | 22.94 | -9,883.89 | 1,276,345.90 | 3,240,970.93 | | |
| Point 5 | | | | 4,389.23 | -9,871.60 | 1,276,400.60 | 3,245,336.72 | | |
| Point 6 | | | | 4,368.22 | -7,699.52 | 1,278,572.28 | 3,245,294.62 | | |
| Point 7 | | | | 4,342.64 | -5,090.38 | 1,281,180.94 | 3,245,243.70 | | |
| Point 8 | | | | 4,330.24 | -2,364.78 | 1,283,906.18 | 3,245,204.83 | | |
| Point 9 | | | | 4,312.90 | -131.19 | 1,286,139.41 | 3,245,165.80 | | |
| Point 10 | | | | 2,121.43 | -118.99 | 1,286,130.33 | 3,242,974.41 | | |
| Point 11 | | | | -69.42 | -106.56 | 1,286,121.48 | 3,240,783.63 | | |

North Reference Sheet for Sec. 26-T2N-R65W - Hudson 13N-35HZ - Plan B Rev 0

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB=16 @ 4924.00ft (Xtreme 22). Northing and Easting are relative to Hudson 13N-35HZ

Coordinate System is US State Plane 1983, Colorado Northern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -105.500000°, Longitude Origin:0.000000°, Latitude Origin:40.783333°

False Easting: 3,000,000.00ft, False Northing: 1,000,000.00ft, Scale Reduction: 0.99995960

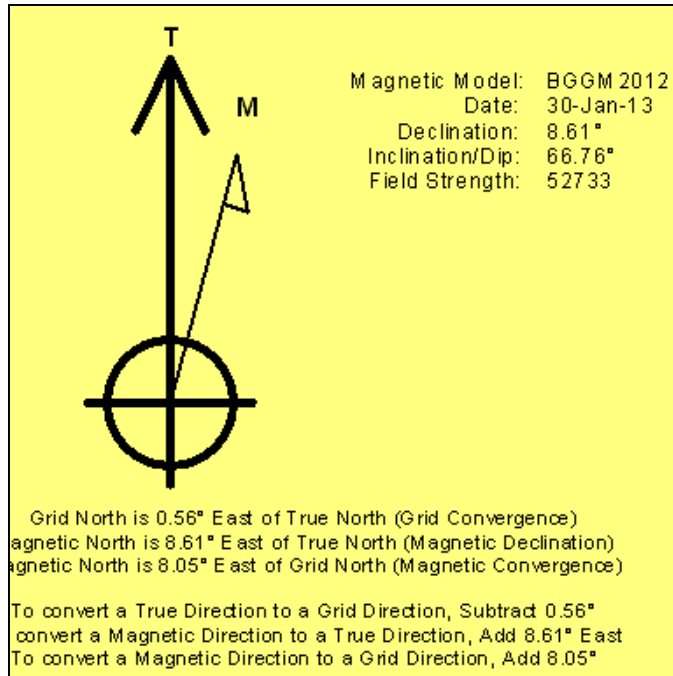
Grid Coordinates of Well: 1,286,228.71 ft N, 3,240,852.01 ft E

Geographical Coordinates of Well: 40° 06' 57.17" N, 104° 38' 19.71" W

Grid Convergence at Surface is: 0.56°

Based upon Minimum Curvature type calculations, at a Measured Depth of 16,703.00ft the Bottom Hole Displacement is 9,858.32ft in the Direction of 178.30° (True).

Magnetic Convergence at surface is: -8.05° (30 January 2013, , BGGM2012)



Anadarko Petroleum Corp.

Weld County, CO (NAD 83)

Sec. 26-T2N-R65W

Hudson 13N-35HZ

Plan B Rev 0

Design: Actual Field Surveys

Survey Report - Geographic

01 March, 2013

Halliburton Company

Survey Report - Geographic

| | |
|------------------------------------------|----------------------------------------------------------|
| Company: Anadarko Petroleum Corp. | Local Co-ordinate Reference: Well Hudson 13N-35HZ |
| Project: Weld County, CO (NAD 83) | TVD Reference: RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: Sec. 26-T2N-R65W | MD Reference: RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: Hudson 13N-35HZ | North Reference: True |
| Wellbore: Plan B Rev 0 | Survey Calculation Method: Minimum Curvature |
| Design: Actual Field Surveys | Database: EDM 2003.16 Single User Db |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | Weld County, CO (NAD 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | |
|------------------------------|------------------|--------------------------|-----------------|
| Site | Sec. 26-T2N-R65W | | |
| Site Position: | | Northing: | 1,286,229.78 ft |
| From: | Lat/Long | Easting: | 3,241,111.83 ft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | " |
| | | Latitude: | 40.115876 |
| | | Longitude: | -104.637880 |
| | | Grid Convergence: | 0.56 ° |

| | | | | | | |
|-----------------------------|-----------------|---------|----------------------------|-----------------|----------------------|-------------|
| Well | Hudson 13N-35HZ | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 1,286,228.71 ft | Latitude: | 40.115880 |
| | +E/-W | 0.00 ft | Easting: | 3,240,852.01 ft | Longitude: | -104.638809 |
| Position Uncertainty | | 3.28 ft | Wellhead Elevation: | ft | Ground Level: | 4,908.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Plan B Rev 0 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2012 | 01-30-2013 | 8.61 | 66.76 | 52,733 |

| | | | | | |
|--------------------------|----------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Actual Field Surveys | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | | 0.00 | 0.00 | 0.00 | 179.47 |

| | | | | | |
|-----------------------|------------------|----------------|------------------------------------------|------------------|------------------------------------------|
| Survey Program | Date 03-01-2013 | | | | |
| | From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| | 16.00 | 1,286.00 | MS Energy Services - Surface Gyros (Plar | NS-GYRO-MS | North sensing gyrocompassing m/s |
| | 1,349.00 | 7,277.00 | Sperry MWD Surveys - Vert/Build (Plan B | MWD+SC | Fixed:v2:standard dec & axial correction |
| | 7,340.00 | 16,651.00 | Sperry MWD Surveys - Lateral (Plan B Re | MWD+SC | Fixed:v2:standard dec & axial correction |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Survey | | | | | | | | | | |
|----------------------------------------------------------------------------------------|-----------------|-------------|---------------------|-----------|-----------|-------------------|------------------|-----------|-------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N-S (ft) | +E-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 | |
| 16.00 | 0.00 | 0.00 | 16.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 | |
| Xtreme 22: RKB = 16ft | | | | | | | | | | |
| 116.00 | 0.65 | 299.09 | 116.00 | 0.28 | -0.50 | 1,286,228.98 | 3,240,851.51 | 40.115881 | -104.638811 | |
| First MS Energy Services Gyro @ 116.00ft | | | | | | | | | | |
| 216.00 | 0.98 | 286.92 | 215.99 | 0.80 | -1.81 | 1,286,229.49 | 3,240,850.19 | 40.115882 | -104.638815 | |
| 316.00 | 0.71 | 280.87 | 315.98 | 1.17 | -3.24 | 1,286,229.84 | 3,240,848.76 | 40.115883 | -104.638821 | |
| 416.00 | 0.41 | 262.76 | 415.97 | 1.24 | -4.20 | 1,286,229.90 | 3,240,847.80 | 40.115883 | -104.638824 | |
| 516.00 | 0.52 | 326.81 | 515.97 | 1.57 | -4.80 | 1,286,230.23 | 3,240,847.19 | 40.115884 | -104.638826 | |
| 616.00 | 0.57 | 321.02 | 615.96 | 2.34 | -5.36 | 1,286,230.99 | 3,240,846.62 | 40.115886 | -104.638828 | |
| 716.00 | 0.50 | 294.93 | 715.96 | 2.91 | -6.07 | 1,286,231.56 | 3,240,845.91 | 40.115888 | -104.638831 | |
| 816.00 | 0.37 | 267.22 | 815.96 | 3.08 | -6.79 | 1,286,231.72 | 3,240,845.19 | 40.115888 | -104.638833 | |
| 916.00 | 0.29 | 233.71 | 915.96 | 2.91 | -7.32 | 1,286,231.55 | 3,240,844.66 | 40.115888 | -104.638835 | |
| 1,016.00 | 0.06 | 185.49 | 1,015.96 | 2.71 | -7.53 | 1,286,231.34 | 3,240,844.46 | 40.115887 | -104.638836 | |
| 1,116.00 | 0.29 | 20.30 | 1,115.96 | 2.90 | -7.44 | 1,286,231.53 | 3,240,844.54 | 40.115888 | -104.638836 | |
| 1,216.00 | 0.45 | 303.43 | 1,215.95 | 3.35 | -7.68 | 1,286,231.98 | 3,240,844.29 | 40.115889 | -104.638836 | |
| 1,286.00 | 0.39 | 311.02 | 1,285.95 | 3.66 | -8.09 | 1,286,232.28 | 3,240,843.88 | 40.115890 | -104.638838 | |
| Final MS Energy Services Gyro @ 1286.00ft - Tie-On to Surface Gyros @ 1286.00ft | | | | | | | | | | |
| 1,349.00 | 0.31 | 283.73 | 1,348.95 | 3.84 | -8.42 | 1,286,232.46 | 3,240,843.55 | 40.115891 | -104.638839 | |
| First Sperry MWD Survey @ 1349.00ft | | | | | | | | | | |
| 1,533.00 | 0.36 | 314.31 | 1,532.95 | 4.36 | -9.32 | 1,286,232.98 | 3,240,842.65 | 40.115892 | -104.638842 | |
| 1,806.00 | 0.47 | 305.35 | 1,805.94 | 5.61 | -10.84 | 1,286,234.21 | 3,240,841.11 | 40.115895 | -104.638848 | |
| 2,080.00 | 0.17 | 128.73 | 2,079.94 | 6.00 | -11.44 | 1,286,234.60 | 3,240,840.51 | 40.115896 | -104.638850 | |
| 2,353.00 | 0.70 | 144.72 | 2,352.93 | 4.39 | -10.16 | 1,286,233.00 | 3,240,841.80 | 40.115892 | -104.638845 | |
| 2,439.00 | 0.81 | 165.08 | 2,438.92 | 3.37 | -9.70 | 1,286,231.98 | 3,240,842.27 | 40.115889 | -104.638844 | |
| 2,525.00 | 0.66 | 119.17 | 2,524.92 | 2.54 | -9.12 | 1,286,231.16 | 3,240,842.87 | 40.115887 | -104.638842 | |
| 2,783.00 | 1.06 | 120.15 | 2,782.89 | 0.62 | -5.75 | 1,286,229.27 | 3,240,846.25 | 40.115882 | -104.638830 | |
| 2,868.00 | 1.29 | 96.78 | 2,867.87 | 0.11 | -4.12 | 1,286,228.78 | 3,240,847.88 | 40.115880 | -104.638824 | |
| 2,954.00 | 1.52 | 48.21 | 2,953.85 | 0.76 | -2.31 | 1,286,229.44 | 3,240,849.69 | 40.115882 | -104.638817 | |
| 3,040.00 | 2.31 | 55.66 | 3,039.80 | 2.50 | -0.03 | 1,286,231.20 | 3,240,851.95 | 40.115887 | -104.638809 | |
| 3,125.00 | 3.05 | 75.77 | 3,124.71 | 4.02 | 3.58 | 1,286,232.76 | 3,240,855.54 | 40.115891 | -104.638796 | |
| 3,211.00 | 4.04 | 78.55 | 3,210.54 | 5.18 | 8.76 | 1,286,233.97 | 3,240,860.72 | 40.115894 | -104.638778 | |
| 3,297.00 | 5.05 | 79.70 | 3,296.27 | 6.46 | 15.46 | 1,286,235.32 | 3,240,867.40 | 40.115898 | -104.638754 | |
| 3,383.00 | 6.92 | 90.10 | 3,381.80 | 7.13 | 24.36 | 1,286,236.07 | 3,240,876.30 | 40.115900 | -104.638722 | |
| 3,468.00 | 7.18 | 82.81 | 3,466.16 | 7.78 | 34.75 | 1,286,236.83 | 3,240,886.68 | 40.115901 | -104.638685 | |
| 3,554.00 | 7.61 | 82.02 | 3,551.44 | 9.25 | 45.72 | 1,286,238.40 | 3,240,897.64 | 40.115905 | -104.638646 | |
| 3,640.00 | 8.55 | 89.99 | 3,636.59 | 10.04 | 57.76 | 1,286,239.31 | 3,240,909.66 | 40.115908 | -104.638602 | |
| 3,726.00 | 8.86 | 88.83 | 3,721.60 | 10.18 | 70.77 | 1,286,239.57 | 3,240,922.67 | 40.115908 | -104.638556 | |
| 3,811.00 | 7.66 | 89.98 | 3,805.72 | 10.31 | 82.98 | 1,286,239.82 | 3,240,934.88 | 40.115908 | -104.638512 | |
| 3,897.00 | 6.80 | 87.70 | 3,891.03 | 10.52 | 93.80 | 1,286,240.13 | 3,240,945.70 | 40.115909 | -104.638474 | |
| 3,983.00 | 5.99 | 88.14 | 3,976.50 | 10.87 | 103.37 | 1,286,240.58 | 3,240,955.27 | 40.115910 | -104.638439 | |
| 4,068.00 | 5.65 | 88.68 | 4,061.06 | 11.11 | 111.99 | 1,286,240.90 | 3,240,963.88 | 40.115910 | -104.638409 | |
| 4,154.00 | 4.35 | 90.08 | 4,146.73 | 11.20 | 119.48 | 1,286,241.07 | 3,240,971.37 | 40.115911 | -104.638382 | |
| 4,240.00 | 2.97 | 80.04 | 4,232.55 | 11.58 | 124.94 | 1,286,241.50 | 3,240,976.82 | 40.115912 | -104.638362 | |
| 4,326.00 | 1.45 | 78.15 | 4,318.48 | 12.19 | 128.20 | 1,286,242.14 | 3,240,980.08 | 40.115913 | -104.638351 | |
| 4,411.00 | 0.43 | 187.47 | 4,403.48 | 12.10 | 129.21 | 1,286,242.05 | 3,240,981.09 | 40.115913 | -104.638347 | |
| 4,497.00 | 0.71 | 228.29 | 4,489.47 | 11.42 | 128.77 | 1,286,241.38 | 3,240,980.66 | 40.115911 | -104.638349 | |
| 4,583.00 | 0.92 | 275.90 | 4,575.46 | 11.14 | 127.69 | 1,286,241.08 | 3,240,979.57 | 40.115911 | -104.638352 | |
| 4,754.00 | 0.87 | 273.80 | 4,746.44 | 11.36 | 125.02 | 1,286,241.28 | 3,240,976.91 | 40.115911 | -104.638362 | |
| 4,926.00 | 0.85 | 321.13 | 4,918.43 | 12.44 | 122.92 | 1,286,242.34 | 3,240,974.80 | 40.115914 | -104.638370 | |
| 5,097.00 | 1.08 | 342.36 | 5,089.40 | 14.97 | 121.64 | 1,286,244.85 | 3,240,973.49 | 40.115921 | -104.638374 | |
| 5,269.00 | 1.61 | 348.12 | 5,261.35 | 18.88 | 120.65 | 1,286,248.75 | 3,240,972.46 | 40.115932 | -104.638378 | |
| 5,354.00 | 0.63 | 5.16 | 5,346.34 | 20.51 | 120.44 | 1,286,250.38 | 3,240,972.24 | 40.115936 | -104.638378 | |
| 5,526.00 | 0.79 | 23.81 | 5,518.32 | 22.54 | 121.01 | 1,286,252.42 | 3,240,972.79 | 40.115942 | -104.638376 | |
| 5,697.00 | 0.93 | 48.68 | 5,689.31 | 24.53 | 122.53 | 1,286,254.43 | 3,240,974.29 | 40.115947 | -104.638371 | |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Survey | | | | | | | | | | |
|-----------------------------------------------|-----------------|-------------|---------------------|-----------|-----------|-------------------|------------------|-----------|-------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N-S (ft) | +E-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude | |
| 5,869.00 | 1.97 | 55.87 | 5,861.25 | 27.11 | 126.02 | 1,286,257.04 | 3,240,977.76 | 40.115954 | -104.638358 | |
| 5,955.00 | 1.00 | 79.22 | 5,947.22 | 28.08 | 127.98 | 1,286,258.03 | 3,240,979.71 | 40.115957 | -104.638351 | |
| 6,040.00 | 1.09 | 104.54 | 6,032.21 | 28.02 | 129.49 | 1,286,257.98 | 3,240,981.22 | 40.115957 | -104.638346 | |
| 6,126.00 | 1.23 | 155.94 | 6,118.19 | 26.97 | 130.66 | 1,286,256.94 | 3,240,982.40 | 40.115954 | -104.638342 | |
| 6,212.00 | 1.18 | 173.18 | 6,204.17 | 25.25 | 131.14 | 1,286,255.22 | 3,240,982.89 | 40.115949 | -104.638340 | |
| 6,373.00 | 1.18 | 204.33 | 6,365.14 | 22.09 | 130.66 | 1,286,252.06 | 3,240,982.44 | 40.115941 | -104.638342 | |
| 6,431.00 | 2.07 | 191.07 | 6,423.11 | 20.52 | 130.21 | 1,286,250.49 | 3,240,982.01 | 40.115936 | -104.638343 | |
| 6,474.00 | 7.47 | 188.72 | 6,465.95 | 16.99 | 129.64 | 1,286,246.95 | 3,240,981.47 | 40.115927 | -104.638345 | |
| 6,517.00 | 12.66 | 190.87 | 6,508.27 | 9.60 | 128.32 | 1,286,239.55 | 3,240,980.23 | 40.115906 | -104.638350 | |
| 6,560.00 | 16.20 | 188.33 | 6,549.91 | -0.97 | 126.57 | 1,286,228.96 | 3,240,978.57 | 40.115877 | -104.638356 | |
| 6,603.00 | 19.79 | 185.79 | 6,590.80 | -14.15 | 124.96 | 1,286,215.77 | 3,240,977.10 | 40.115841 | -104.638362 | |
| 6,646.00 | 22.28 | 188.31 | 6,630.93 | -29.46 | 123.05 | 1,286,200.44 | 3,240,975.33 | 40.115799 | -104.638369 | |
| 6,689.00 | 23.53 | 189.82 | 6,670.54 | -45.99 | 120.41 | 1,286,183.89 | 3,240,972.85 | 40.115754 | -104.638378 | |
| 6,731.00 | 26.70 | 191.07 | 6,708.57 | -63.51 | 117.16 | 1,286,166.34 | 3,240,969.78 | 40.115706 | -104.638390 | |
| 6,774.00 | 30.06 | 190.84 | 6,746.39 | -83.58 | 113.28 | 1,286,146.24 | 3,240,966.09 | 40.115651 | -104.638404 | |
| 6,817.00 | 34.83 | 189.58 | 6,782.67 | -106.28 | 109.21 | 1,286,123.50 | 3,240,962.24 | 40.115588 | -104.638419 | |
| 6,860.00 | 38.13 | 191.32 | 6,817.24 | -131.41 | 104.56 | 1,286,098.32 | 3,240,957.84 | 40.115519 | -104.638435 | |
| 6,903.00 | 37.07 | 192.53 | 6,851.31 | -157.08 | 99.14 | 1,286,072.60 | 3,240,952.67 | 40.115449 | -104.638455 | |
| 6,946.00 | 35.59 | 193.94 | 6,885.95 | -181.87 | 93.32 | 1,286,047.75 | 3,240,947.08 | 40.115381 | -104.638475 | |
| 6,989.00 | 38.99 | 193.80 | 6,920.16 | -207.16 | 87.07 | 1,286,022.41 | 3,240,941.09 | 40.115311 | -104.638498 | |
| 7,032.00 | 44.18 | 188.03 | 6,952.32 | -235.17 | 81.75 | 1,285,994.35 | 3,240,936.03 | 40.115234 | -104.638517 | |
| 7,074.00 | 48.81 | 181.09 | 6,981.25 | -265.49 | 79.40 | 1,285,964.01 | 3,240,933.98 | 40.115151 | -104.638525 | |
| 7,117.00 | 55.31 | 177.66 | 7,007.67 | -299.38 | 79.81 | 1,285,930.13 | 3,240,934.72 | 40.115058 | -104.638524 | |
| 7,160.00 | 62.04 | 176.61 | 7,030.02 | -336.04 | 81.66 | 1,285,893.49 | 3,240,936.93 | 40.114958 | -104.638517 | |
| 7,203.00 | 69.53 | 177.21 | 7,047.64 | -375.17 | 83.77 | 1,285,854.38 | 3,240,939.41 | 40.114850 | -104.638510 | |
| 7,246.00 | 76.26 | 175.36 | 7,060.28 | -416.16 | 86.44 | 1,285,813.42 | 3,240,942.48 | 40.114738 | -104.638500 | |
| 7,277.00 | 81.55 | 173.90 | 7,066.25 | -446.43 | 89.29 | 1,285,783.18 | 3,240,945.63 | 40.114654 | -104.638490 | |
| 7,306.60 | 85.03 | 172.85 | 7,069.71 | -475.63 | 92.68 | 1,285,754.02 | 3,240,949.30 | 40.114574 | -104.638478 | |
| 7" Casing @ 7306.6' MD :: 7069.71' TVD | | | | | | | | | | |
| 7,340.00 | 88.95 | 171.68 | 7,071.46 | -508.67 | 97.17 | 1,285,721.02 | 3,240,954.11 | 40.114484 | -104.638462 | |
| 7,425.00 | 89.94 | 172.06 | 7,072.28 | -592.81 | 109.19 | 1,285,637.01 | 3,240,966.95 | 40.114253 | -104.638419 | |
| 7,511.00 | 90.99 | 171.63 | 7,071.59 | -677.94 | 121.39 | 1,285,552.01 | 3,240,979.97 | 40.114019 | -104.638375 | |
| 7,597.00 | 91.85 | 173.09 | 7,069.45 | -763.15 | 132.82 | 1,285,466.92 | 3,240,992.23 | 40.113785 | -104.638334 | |
| 7,683.00 | 91.61 | 173.30 | 7,066.86 | -848.50 | 143.00 | 1,285,381.67 | 3,241,003.24 | 40.113551 | -104.638298 | |
| 7,769.00 | 92.04 | 174.77 | 7,064.12 | -933.99 | 151.94 | 1,285,296.27 | 3,241,013.00 | 40.113316 | -104.638266 | |
| 7,854.00 | 91.54 | 174.73 | 7,061.46 | -1,018.59 | 159.71 | 1,285,211.75 | 3,241,021.60 | 40.113084 | -104.638238 | |
| 7,940.00 | 91.73 | 174.79 | 7,059.01 | -1,104.20 | 167.56 | 1,285,126.23 | 3,241,030.28 | 40.112849 | -104.638210 | |
| 8,026.00 | 91.54 | 175.00 | 7,056.56 | -1,189.82 | 175.21 | 1,285,040.69 | 3,241,038.76 | 40.112614 | -104.638183 | |
| 8,112.00 | 90.86 | 174.13 | 7,054.76 | -1,275.41 | 183.35 | 1,284,955.18 | 3,241,047.73 | 40.112379 | -104.638153 | |
| 8,197.00 | 89.01 | 173.99 | 7,054.85 | -1,359.95 | 192.15 | 1,284,870.74 | 3,241,057.35 | 40.112147 | -104.638122 | |
| 8,283.00 | 89.38 | 173.79 | 7,056.06 | -1,445.46 | 201.30 | 1,284,785.33 | 3,241,067.33 | 40.111912 | -104.638089 | |
| 8,369.00 | 88.95 | 173.83 | 7,057.31 | -1,530.95 | 210.58 | 1,284,699.94 | 3,241,077.43 | 40.111677 | -104.638056 | |
| 8,455.00 | 89.75 | 173.52 | 7,058.29 | -1,616.42 | 220.05 | 1,284,614.57 | 3,241,087.74 | 40.111443 | -104.638022 | |
| 8,555.00 | 90.86 | 177.00 | 7,057.76 | -1,716.06 | 228.31 | 1,284,515.02 | 3,241,096.96 | 40.111169 | -104.637993 | |
| 8,626.00 | 91.36 | 178.74 | 7,056.38 | -1,786.99 | 230.95 | 1,284,444.11 | 3,241,100.29 | 40.110975 | -104.637983 | |
| 8,712.00 | 91.36 | 180.17 | 7,054.34 | -1,872.96 | 231.77 | 1,284,358.16 | 3,241,101.94 | 40.110739 | -104.637980 | |
| 8,797.00 | 91.11 | 180.19 | 7,052.51 | -1,957.94 | 231.50 | 1,284,273.19 | 3,241,102.50 | 40.110505 | -104.637981 | |
| 8,883.00 | 90.37 | 181.62 | 7,051.40 | -2,043.92 | 230.14 | 1,284,187.20 | 3,241,101.98 | 40.110269 | -104.637986 | |
| 8,969.00 | 91.05 | 181.99 | 7,050.33 | -2,129.87 | 227.43 | 1,284,101.23 | 3,241,100.11 | 40.110033 | -104.637996 | |
| 9,054.00 | 89.69 | 182.71 | 7,049.78 | -2,214.79 | 223.95 | 1,284,016.28 | 3,241,097.45 | 40.109800 | -104.638008 | |
| 9,140.00 | 87.90 | 182.32 | 7,051.59 | -2,300.69 | 220.18 | 1,283,930.36 | 3,241,094.51 | 40.109564 | -104.638022 | |
| 9,226.00 | 87.96 | 182.43 | 7,054.70 | -2,386.56 | 216.61 | 1,283,844.46 | 3,241,091.78 | 40.109329 | -104.638035 | |
| 9,312.00 | 89.57 | 181.61 | 7,056.55 | -2,472.48 | 213.58 | 1,283,758.52 | 3,241,089.58 | 40.109093 | -104.638045 | |
| 9,398.00 | 91.42 | 181.16 | 7,055.81 | -2,558.45 | 211.51 | 1,283,672.53 | 3,241,088.34 | 40.108857 | -104.638053 | |
| 9,483.00 | 90.80 | 180.51 | 7,054.16 | -2,643.42 | 210.27 | 1,283,587.56 | 3,241,087.93 | 40.108624 | -104.638057 | |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|-----------|-----------|-------------------|------------------|-----------|-------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N-S (ft) | +E-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude | |
| 9,569.00 | 91.48 | 180.88 | 7,052.45 | -2,729.40 | 209.22 | 1,283,501.58 | 3,241,087.72 | 40.108388 | -104.638061 | |
| 9,655.00 | 91.05 | 181.71 | 7,050.55 | -2,815.36 | 207.28 | 1,283,415.61 | 3,241,086.61 | 40.108152 | -104.638068 | |
| 9,741.00 | 92.10 | 182.15 | 7,048.19 | -2,901.27 | 204.39 | 1,283,329.67 | 3,241,084.55 | 40.107916 | -104.638078 | |
| 9,827.00 | 90.49 | 182.57 | 7,046.24 | -2,987.17 | 200.85 | 1,283,243.74 | 3,241,081.85 | 40.107680 | -104.638091 | |
| 9,912.00 | 90.86 | 182.53 | 7,045.24 | -3,072.08 | 197.06 | 1,283,158.80 | 3,241,078.89 | 40.107447 | -104.638105 | |
| 9,998.00 | 88.58 | 182.16 | 7,045.66 | -3,158.01 | 193.55 | 1,283,072.86 | 3,241,076.20 | 40.107211 | -104.638117 | |
| 10,084.00 | 87.28 | 181.16 | 7,048.77 | -3,243.91 | 191.06 | 1,282,986.93 | 3,241,074.55 | 40.106975 | -104.638126 | |
| 10,170.00 | 85.73 | 180.13 | 7,054.01 | -3,329.74 | 190.09 | 1,282,901.10 | 3,241,074.42 | 40.106740 | -104.638129 | |
| 10,255.00 | 86.79 | 179.87 | 7,059.56 | -3,414.56 | 190.09 | 1,282,816.29 | 3,241,075.24 | 40.106507 | -104.638129 | |
| 10,347.00 | 86.10 | 179.93 | 7,065.26 | -3,506.38 | 190.25 | 1,282,724.48 | 3,241,076.29 | 40.106255 | -104.638129 | |
| 10,438.00 | 86.85 | 179.29 | 7,070.86 | -3,597.21 | 190.87 | 1,282,633.67 | 3,241,077.79 | 40.106005 | -104.638127 | |
| 10,530.00 | 88.58 | 180.00 | 7,074.52 | -3,689.13 | 191.44 | 1,282,541.76 | 3,241,079.25 | 40.105753 | -104.638125 | |
| 10,623.00 | 90.06 | 179.23 | 7,075.63 | -3,782.11 | 192.06 | 1,282,448.79 | 3,241,080.78 | 40.105498 | -104.638122 | |
| 10,716.00 | 91.55 | 179.06 | 7,074.32 | -3,875.09 | 193.45 | 1,282,355.83 | 3,241,083.07 | 40.105243 | -104.638117 | |
| 10,808.00 | 91.98 | 180.36 | 7,071.49 | -3,967.05 | 193.91 | 1,282,263.89 | 3,241,084.43 | 40.104990 | -104.638116 | |
| 10,899.00 | 89.81 | 181.00 | 7,070.07 | -4,058.02 | 192.83 | 1,282,172.91 | 3,241,084.23 | 40.104741 | -104.638120 | |
| 10,991.00 | 90.49 | 181.70 | 7,069.83 | -4,150.00 | 190.67 | 1,282,080.93 | 3,241,082.96 | 40.104488 | -104.638127 | |
| 11,083.00 | 90.93 | 181.55 | 7,068.69 | -4,241.95 | 188.06 | 1,281,988.95 | 3,241,081.24 | 40.104236 | -104.638137 | |
| 11,175.00 | 91.54 | 181.74 | 7,066.70 | -4,333.89 | 185.42 | 1,281,896.99 | 3,241,079.50 | 40.103983 | -104.638146 | |
| 11,266.00 | 91.61 | 181.63 | 7,064.20 | -4,424.82 | 182.74 | 1,281,806.05 | 3,241,077.71 | 40.103734 | -104.638156 | |
| 11,359.00 | 90.12 | 180.47 | 7,062.80 | -4,517.79 | 181.04 | 1,281,713.07 | 3,241,076.91 | 40.103478 | -104.638162 | |
| 11,451.00 | 89.88 | 179.64 | 7,062.80 | -4,609.79 | 180.95 | 1,281,621.08 | 3,241,077.71 | 40.103226 | -104.638162 | |
| 11,541.00 | 89.69 | 179.44 | 7,063.14 | -4,699.78 | 181.67 | 1,281,531.10 | 3,241,079.31 | 40.102979 | -104.638160 | |
| 11,633.00 | 89.75 | 179.20 | 7,063.59 | -4,791.77 | 182.77 | 1,281,439.13 | 3,241,081.29 | 40.102726 | -104.638156 | |
| 11,725.00 | 91.42 | 181.55 | 7,062.65 | -4,883.76 | 182.16 | 1,281,347.14 | 3,241,081.58 | 40.102474 | -104.638158 | |
| 11,816.00 | 91.42 | 181.59 | 7,060.39 | -4,974.70 | 179.67 | 1,281,256.19 | 3,241,079.97 | 40.102224 | -104.638167 | |
| 11,908.00 | 91.61 | 181.34 | 7,057.96 | -5,066.63 | 177.32 | 1,281,164.24 | 3,241,078.52 | 40.101972 | -104.638175 | |
| 11,998.00 | 92.16 | 180.43 | 7,055.00 | -5,156.57 | 175.93 | 1,281,074.29 | 3,241,078.00 | 40.101725 | -104.638180 | |
| 12,088.00 | 89.51 | 180.74 | 7,053.69 | -5,246.55 | 175.01 | 1,280,984.31 | 3,241,077.96 | 40.101478 | -104.638183 | |
| 12,180.00 | 88.89 | 180.58 | 7,054.97 | -5,338.54 | 173.95 | 1,280,892.33 | 3,241,077.79 | 40.101225 | -104.638187 | |
| 12,272.00 | 88.39 | 179.40 | 7,057.15 | -5,430.51 | 173.97 | 1,280,800.36 | 3,241,078.70 | 40.100973 | -104.638187 | |
| 12,362.00 | 88.89 | 178.92 | 7,059.29 | -5,520.47 | 175.29 | 1,280,710.42 | 3,241,080.89 | 40.100726 | -104.638182 | |
| 12,453.00 | 91.30 | 178.51 | 7,059.14 | -5,611.44 | 177.33 | 1,280,619.48 | 3,241,083.81 | 40.100476 | -104.638175 | |
| 12,545.00 | 91.85 | 177.84 | 7,056.61 | -5,703.36 | 180.26 | 1,280,527.60 | 3,241,087.64 | 40.100224 | -104.638165 | |
| 12,636.00 | 91.92 | 177.24 | 7,053.62 | -5,794.23 | 184.16 | 1,280,436.78 | 3,241,092.42 | 40.099975 | -104.638151 | |
| 12,728.00 | 92.66 | 176.60 | 7,049.94 | -5,886.02 | 189.10 | 1,280,345.04 | 3,241,098.25 | 40.099723 | -104.638133 | |
| 12,820.00 | 93.90 | 175.92 | 7,044.68 | -5,977.67 | 195.09 | 1,280,253.45 | 3,241,105.13 | 40.099471 | -104.638112 | |
| 12,911.00 | 94.02 | 176.05 | 7,038.39 | -6,068.23 | 201.45 | 1,280,162.96 | 3,241,112.37 | 40.099222 | -104.638089 | |
| 13,003.00 | 92.10 | 175.27 | 7,033.48 | -6,159.83 | 208.40 | 1,280,071.44 | 3,241,120.21 | 40.098971 | -104.638064 | |
| 13,089.00 | 91.42 | 175.20 | 7,030.84 | -6,245.49 | 215.54 | 1,279,985.85 | 3,241,128.18 | 40.098736 | -104.638039 | |
| 13,174.00 | 92.91 | 175.79 | 7,027.63 | -6,330.17 | 222.21 | 1,279,901.25 | 3,241,135.67 | 40.098503 | -104.638015 | |
| 13,260.00 | 91.05 | 176.89 | 7,024.66 | -6,415.93 | 227.70 | 1,279,815.54 | 3,241,141.99 | 40.098268 | -104.637995 | |
| 13,346.00 | 89.94 | 176.47 | 7,023.92 | -6,501.79 | 232.68 | 1,279,729.75 | 3,241,147.81 | 40.098032 | -104.637977 | |
| 13,432.00 | 91.18 | 177.52 | 7,023.08 | -6,587.66 | 237.19 | 1,279,643.93 | 3,241,153.15 | 40.097797 | -104.637961 | |
| 13,517.00 | 91.92 | 178.62 | 7,020.78 | -6,672.58 | 240.05 | 1,279,559.04 | 3,241,156.83 | 40.097563 | -104.637951 | |
| 13,603.00 | 92.10 | 178.25 | 7,017.76 | -6,758.49 | 242.39 | 1,279,473.16 | 3,241,160.01 | 40.097328 | -104.637943 | |
| 13,689.00 | 91.42 | 179.73 | 7,015.12 | -6,844.44 | 243.91 | 1,279,387.24 | 3,241,162.36 | 40.097092 | -104.637937 | |
| 13,775.00 | 91.79 | 179.07 | 7,012.71 | -6,930.40 | 244.81 | 1,279,301.29 | 3,241,164.10 | 40.096856 | -104.637934 | |
| 13,860.00 | 91.17 | 179.43 | 7,010.51 | -7,015.36 | 245.92 | 1,279,216.35 | 3,241,166.04 | 40.096622 | -104.637930 | |
| 13,946.00 | 91.05 | 179.54 | 7,008.85 | -7,101.34 | 246.69 | 1,279,130.38 | 3,241,167.64 | 40.096386 | -104.637927 | |
| 14,032.00 | 91.61 | 180.60 | 7,006.85 | -7,187.32 | 246.59 | 1,279,044.41 | 3,241,168.37 | 40.096150 | -104.637928 | |
| 14,118.00 | 92.10 | 180.06 | 7,004.07 | -7,273.27 | 246.09 | 1,278,958.46 | 3,241,168.71 | 40.095915 | -104.637929 | |
| 14,203.00 | 91.79 | 179.62 | 7,001.18 | -7,358.22 | 246.33 | 1,278,873.52 | 3,241,169.78 | 40.095681 | -104.637929 | |
| 14,289.00 | 90.93 | 179.83 | 6,999.14 | -7,444.19 | 246.74 | 1,278,787.56 | 3,241,171.02 | 40.095445 | -104.637927 | |
| 14,375.00 | 90.37 | 180.56 | 6,998.17 | -7,530.19 | 246.45 | 1,278,701.57 | 3,241,171.57 | 40.095209 | -104.637928 | |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Survey | | | | | | | | | |
|-------------------------------------------------------|-----------------|-------------|---------------------|------------|------------|-------------------|------------------|-----------|-------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude |
| 14,461.00 | 90.31 | 180.51 | 6,997.66 | -7,616.18 | 245.65 | 1,278,615.58 | 3,241,171.60 | 40.094973 | -104.637931 |
| 14,547.00 | 90.06 | 180.76 | 6,997.38 | -7,702.18 | 244.70 | 1,278,529.58 | 3,241,171.48 | 40.094737 | -104.637934 |
| 14,632.00 | 89.69 | 180.29 | 6,997.56 | -7,787.17 | 243.92 | 1,278,444.58 | 3,241,171.53 | 40.094504 | -104.637937 |
| 14,718.00 | 89.44 | 179.72 | 6,998.22 | -7,873.17 | 243.91 | 1,278,358.59 | 3,241,172.35 | 40.094268 | -104.637937 |
| 14,804.00 | 89.07 | 179.86 | 6,999.33 | -7,959.16 | 244.22 | 1,278,272.61 | 3,241,173.50 | 40.094032 | -104.637936 |
| 14,890.00 | 90.06 | 179.65 | 6,999.99 | -8,045.16 | 244.59 | 1,278,186.63 | 3,241,174.71 | 40.093796 | -104.637935 |
| 14,976.00 | 90.19 | 179.44 | 6,999.80 | -8,131.15 | 245.27 | 1,278,100.65 | 3,241,176.23 | 40.093560 | -104.637932 |
| 15,061.00 | 90.19 | 179.41 | 6,999.52 | -8,216.15 | 246.13 | 1,278,015.67 | 3,241,177.90 | 40.093326 | -104.637929 |
| 15,147.00 | 90.25 | 180.15 | 6,999.19 | -8,302.15 | 246.46 | 1,277,929.68 | 3,241,179.07 | 40.093090 | -104.637928 |
| 15,233.00 | 90.25 | 180.59 | 6,998.81 | -8,388.14 | 245.90 | 1,277,843.68 | 3,241,179.35 | 40.092854 | -104.637930 |
| 15,319.00 | 90.00 | 180.55 | 6,998.63 | -8,474.14 | 245.05 | 1,277,757.69 | 3,241,179.33 | 40.092618 | -104.637933 |
| 15,405.00 | 89.63 | 180.54 | 6,998.90 | -8,560.14 | 244.23 | 1,277,671.69 | 3,241,179.35 | 40.092382 | -104.637936 |
| 15,490.00 | 89.20 | 181.14 | 6,999.77 | -8,645.12 | 242.98 | 1,277,586.70 | 3,241,178.92 | 40.092149 | -104.637941 |
| 15,576.00 | 89.14 | 181.14 | 7,001.02 | -8,731.10 | 241.27 | 1,277,500.72 | 3,241,178.05 | 40.091913 | -104.637947 |
| 15,662.00 | 88.27 | 180.69 | 7,002.96 | -8,817.06 | 239.90 | 1,277,414.75 | 3,241,177.51 | 40.091677 | -104.637952 |
| 15,748.00 | 88.21 | 180.11 | 7,005.60 | -8,903.02 | 239.30 | 1,277,328.79 | 3,241,177.75 | 40.091441 | -104.637954 |
| 15,833.00 | 89.07 | 179.40 | 7,007.62 | -8,987.99 | 239.66 | 1,277,243.83 | 3,241,178.93 | 40.091208 | -104.637952 |
| 15,919.00 | 90.62 | 178.56 | 7,007.85 | -9,073.98 | 241.19 | 1,277,157.87 | 3,241,181.30 | 40.090971 | -104.637947 |
| 16,005.00 | 91.73 | 178.57 | 7,006.09 | -9,159.93 | 243.35 | 1,277,071.94 | 3,241,184.29 | 40.090736 | -104.637939 |
| 16,091.00 | 92.54 | 178.04 | 7,002.88 | -9,245.83 | 245.89 | 1,276,986.07 | 3,241,187.66 | 40.090500 | -104.637930 |
| 16,176.00 | 93.22 | 177.54 | 6,998.61 | -9,330.66 | 249.16 | 1,276,901.28 | 3,241,191.76 | 40.090267 | -104.637918 |
| 16,262.00 | 93.65 | 176.79 | 6,993.46 | -9,416.40 | 253.41 | 1,276,815.59 | 3,241,196.84 | 40.090032 | -104.637903 |
| 16,348.00 | 93.96 | 176.43 | 6,987.75 | -9,502.06 | 258.48 | 1,276,729.99 | 3,241,202.74 | 40.089796 | -104.637885 |
| 16,434.00 | 94.27 | 175.23 | 6,981.58 | -9,587.61 | 264.72 | 1,276,644.51 | 3,241,209.81 | 40.089562 | -104.637863 |
| 16,519.00 | 95.00 | 174.79 | 6,974.71 | -9,672.01 | 272.09 | 1,276,560.19 | 3,241,218.00 | 40.089330 | -104.637837 |
| 16,605.00 | 95.76 | 173.64 | 6,966.65 | -9,757.19 | 280.72 | 1,276,475.09 | 3,241,227.46 | 40.089096 | -104.637806 |
| 16,651.00 | 95.94 | 173.03 | 6,961.96 | -9,802.64 | 286.03 | 1,276,429.70 | 3,241,233.21 | 40.088971 | -104.637787 |
| Final Sperry MWD Survey @ 16651.00ft | | | | | | | | | |
| 16,703.00 | 95.94 | 173.03 | 6,956.58 | -9,853.98 | 292.30 | 1,276,378.43 | 3,241,239.98 | 40.088830 | -104.637764 |
| Straight Line Proj @ 16703' MD :: 6956.58' TVD | | | | | | | | | |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Targets | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------|-----------|----------|----------|------------|----------|--------------|--------------|-----------|-------------|
| Target Name | Dip Angle | Dip Dir. | TVD | +N/S | +E/W | Northing | Easting | Latitude | Longitude |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | |
| - Shape | | | | | | | | | |
| Hudson 13N-35HZ_LI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 3 | | | 0.00 | -9,887.77 | 421.94 | 1,276,345.90 | 3,241,369.93 | | |
| Point 4 | | | 0.00 | -110.43 | 329.58 | 1,286,121.49 | 3,241,182.63 | | |
| Point 5 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Point 2 | | | 0.00 | -2,305.75 | -503.64 | 1,283,918.27 | 3,240,370.80 | | |
| Point 3 | | | 0.00 | -7,656.87 | -452.67 | 1,278,568.11 | 3,240,473.74 | | |
| Point 4 | | | 0.00 | -10,345.20 | -433.86 | 1,275,880.20 | 3,240,518.65 | | |
| Point 5 | | | 0.00 | -10,330.31 | 4,853.71 | 1,275,946.44 | 3,245,805.61 | | |
| Point 6 | | | 0.00 | -7,703.59 | 4,828.30 | 1,278,572.68 | 3,245,754.70 | | |
| Point 7 | | | 0.00 | -5,102.12 | 4,802.71 | 1,281,173.67 | 3,245,703.85 | | |
| Point 8 | | | 0.00 | -2,370.40 | 4,790.31 | 1,283,905.03 | 3,245,664.92 | | |
| Point 9 | | | 0.00 | 326.30 | 4,769.38 | 1,286,601.29 | 3,245,617.80 | | |
| Point 10 | | | 0.00 | 341.06 | 2,117.34 | 1,286,590.30 | 3,242,965.85 | | |
| Point 11 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Hudson 13N-35HZ_BI | 0.00 | 0.00 | 6,990.00 | -9,883.25 | 223.00 | 1,276,348.48 | 3,241,170.97 | 40.088750 | -104.638012 |
| - actual wellpath misses target center by 82.32ft at 16703.00ft MD (6956.58 TVD, -9853.98 N, 292.30 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -2,311.37 | -43.52 | 1,283,917.12 | 3,240,830.94 | | |
| Point 3 | | | 0.00 | -7,660.94 | 7.39 | 1,278,568.51 | 3,240,933.79 | | |
| Point 4 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 5 | | | 0.00 | -9,871.60 | 4,389.23 | 1,276,400.60 | 3,245,336.72 | | |
| Point 6 | | | 0.00 | -7,699.52 | 4,368.22 | 1,278,572.28 | 3,245,294.62 | | |
| Point 7 | | | 0.00 | -5,090.38 | 4,342.64 | 1,281,180.94 | 3,245,243.70 | | |
| Point 8 | | | 0.00 | -2,364.78 | 4,330.24 | 1,283,906.18 | 3,245,204.83 | | |
| Point 9 | | | 0.00 | -131.19 | 4,312.90 | 1,286,139.41 | 3,245,165.80 | | |
| Point 10 | | | 0.00 | -118.99 | 2,121.43 | 1,286,130.33 | 3,242,974.41 | | |
| Point 11 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |

| Casing Points | | | | | |
|----------------|----------------|----------------------------------------|-----------------|---------------|--|
| Measured Depth | Vertical Depth | Name | Casing Diameter | Hole Diameter | |
| (ft) | (ft) | | (") | (") | |
| 7,306.60 | 7,069.71 | 7" Casing @ 7306.6' MD :: 7069.71' TVD | 7 | 8-3/4 | |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Targets | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------|-----------|----------|----------|------------|----------|--------------|--------------|-----------|-------------|
| Target Name | Dip Angle | Dip Dir. | TVD | +N-S | +E-W | Northing | Easting | Latitude | Longitude |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | |
| - Shape | | | | | | | | | |
| Hudson 13N-35HZ_LI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 3 | | | 0.00 | -9,887.77 | 421.94 | 1,276,345.90 | 3,241,369.93 | | |
| Point 4 | | | 0.00 | -110.43 | 329.58 | 1,286,121.49 | 3,241,182.63 | | |
| Point 5 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Point 2 | | | 0.00 | -2,305.75 | -503.64 | 1,283,918.27 | 3,240,370.80 | | |
| Point 3 | | | 0.00 | -7,656.87 | -452.67 | 1,278,568.11 | 3,240,473.74 | | |
| Point 4 | | | 0.00 | -10,345.20 | -433.86 | 1,275,880.20 | 3,240,518.65 | | |
| Point 5 | | | 0.00 | -10,330.31 | 4,853.71 | 1,275,946.44 | 3,245,805.61 | | |
| Point 6 | | | 0.00 | -7,703.59 | 4,828.30 | 1,278,572.68 | 3,245,754.70 | | |
| Point 7 | | | 0.00 | -5,102.12 | 4,802.71 | 1,281,173.67 | 3,245,703.85 | | |
| Point 8 | | | 0.00 | -2,370.40 | 4,790.31 | 1,283,905.03 | 3,245,664.92 | | |
| Point 9 | | | 0.00 | 326.30 | 4,769.38 | 1,286,601.29 | 3,245,617.80 | | |
| Point 10 | | | 0.00 | 341.06 | 2,117.34 | 1,286,590.30 | 3,242,965.85 | | |
| Point 11 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Hudson 13N-35HZ_BI | 0.00 | 0.00 | 6,990.00 | -9,883.25 | 223.00 | 1,276,348.48 | 3,241,170.97 | 40.088750 | -104.638012 |
| - actual wellpath misses target center by 82.32ft at 16703.00ft MD (6956.58 TVD, -9853.98 N, 292.30 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -2,311.37 | -43.52 | 1,283,917.12 | 3,240,830.94 | | |
| Point 3 | | | 0.00 | -7,660.94 | 7.39 | 1,278,568.51 | 3,240,933.79 | | |
| Point 4 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 5 | | | 0.00 | -9,871.60 | 4,389.23 | 1,276,400.60 | 3,245,336.72 | | |
| Point 6 | | | 0.00 | -7,699.52 | 4,368.22 | 1,278,572.28 | 3,245,294.62 | | |
| Point 7 | | | 0.00 | -5,090.38 | 4,342.64 | 1,281,180.94 | 3,245,243.70 | | |
| Point 8 | | | 0.00 | -2,364.78 | 4,330.24 | 1,283,906.18 | 3,245,204.83 | | |
| Point 9 | | | 0.00 | -131.19 | 4,312.90 | 1,286,139.41 | 3,245,165.80 | | |
| Point 10 | | | 0.00 | -118.99 | 2,121.43 | 1,286,130.33 | 3,242,974.41 | | |
| Point 11 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |

| Casing Points | | | | | |
|---------------------|---------------------|----------------------------------------|--|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | | Casing Diameter (") | Hole Diameter (") |
| 7,306.60 | 7,069.71 | 7" Casing @ 7306.6' MD :: 7069.71' TVD | | 7 | 8-3/4 |

| Design Annotations | | | | | |
|---------------------|---------------------|-------------------|-----------|---------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment | |
| | | +N-S (ft) | +E-W (ft) | | |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Targets | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------|-----------|----------|----------|------------|----------|--------------|--------------|-----------|-------------|
| Target Name | Dip Angle | Dip Dir. | TVD | +N-S | +E-W | Northing | Easting | Latitude | Longitude |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | |
| - Shape | | | | | | | | | |
| Hudson 13N-35HZ_LI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 3 | | | 0.00 | -9,887.77 | 421.94 | 1,276,345.90 | 3,241,369.93 | | |
| Point 4 | | | 0.00 | -110.43 | 329.58 | 1,286,121.49 | 3,241,182.63 | | |
| Point 5 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Point 2 | | | 0.00 | -2,305.75 | -503.64 | 1,283,918.27 | 3,240,370.80 | | |
| Point 3 | | | 0.00 | -7,656.87 | -452.67 | 1,278,568.11 | 3,240,473.74 | | |
| Point 4 | | | 0.00 | -10,345.20 | -433.86 | 1,275,880.20 | 3,240,518.65 | | |
| Point 5 | | | 0.00 | -10,330.31 | 4,853.71 | 1,275,946.44 | 3,245,805.61 | | |
| Point 6 | | | 0.00 | -7,703.59 | 4,828.30 | 1,278,572.68 | 3,245,754.70 | | |
| Point 7 | | | 0.00 | -5,102.12 | 4,802.71 | 1,281,173.67 | 3,245,703.85 | | |
| Point 8 | | | 0.00 | -2,370.40 | 4,790.31 | 1,283,905.03 | 3,245,664.92 | | |
| Point 9 | | | 0.00 | 326.30 | 4,769.38 | 1,286,601.29 | 3,245,617.80 | | |
| Point 10 | | | 0.00 | 341.06 | 2,117.34 | 1,286,590.30 | 3,242,965.85 | | |
| Point 11 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Hudson 13N-35HZ_BI | 0.00 | 0.00 | 6,990.00 | -9,883.25 | 223.00 | 1,276,348.48 | 3,241,170.97 | 40.088750 | -104.638012 |
| - actual wellpath misses target center by 82.32ft at 16703.00ft MD (6956.58 TVD, -9853.98 N, 292.30 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -2,311.37 | -43.52 | 1,283,917.12 | 3,240,830.94 | | |
| Point 3 | | | 0.00 | -7,660.94 | 7.39 | 1,278,568.51 | 3,240,933.79 | | |
| Point 4 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 5 | | | 0.00 | -9,871.60 | 4,389.23 | 1,276,400.60 | 3,245,336.72 | | |
| Point 6 | | | 0.00 | -7,699.52 | 4,368.22 | 1,278,572.28 | 3,245,294.62 | | |
| Point 7 | | | 0.00 | -5,090.38 | 4,342.64 | 1,281,180.94 | 3,245,243.70 | | |
| Point 8 | | | 0.00 | -2,364.78 | 4,330.24 | 1,283,906.18 | 3,245,204.83 | | |
| Point 9 | | | 0.00 | -131.19 | 4,312.90 | 1,286,139.41 | 3,245,165.80 | | |
| Point 10 | | | 0.00 | -118.99 | 2,121.43 | 1,286,130.33 | 3,242,974.41 | | |
| Point 11 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |

| Casing Points | | | | | |
|----------------|----------------|----------------------------------------|--------|-----------------|-------------------------------------------|
| Measured Depth | Vertical Depth | | | Casing Diameter | Hole Diameter |
| (ft) | (ft) | | | (") | (") |
| Name | | | | | |
| 7,306.60 | 7,069.71 | 7" Casing @ 7306.6' MD :: 7069.71' TVD | | 7 | 8-3/4 |
| 16.00 | 16.00 | 0.00 | | 0.00 | Xtreme 22: RKB = 16ft |
| 116.00 | 116.00 | 0.28 | | -0.50 | First MS Energy Services Gyro @ 116.00ft |
| 1,286.00 | 1,285.95 | 3.66 | | -8.09 | Final MS Energy Services Gyro @ 1286.00ft |
| 1,286.00 | 1,285.95 | 3.66 | | -8.09 | Tie-On to Surface Gyros @ 1286.00ft |
| 1,349.00 | 1,348.95 | 3.84 | | -8.42 | First Sperry MWD Survey @ 1349.00ft |
| 16,651.00 | 6,961.96 | -9,802.64 | 286.03 | | Final Sperry MWD Survey @ 16651.00ft |

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |

| Targets | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------|-----------|----------|----------|------------|----------|--------------|--------------|-----------|-------------|
| Target Name | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | |
| - Shape | | | | | | | | | |
| Hudson 13N-35HZ_LI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 3 | | | 0.00 | -9,887.77 | 421.94 | 1,276,345.90 | 3,241,369.93 | | |
| Point 4 | | | 0.00 | -110.43 | 329.58 | 1,286,121.49 | 3,241,182.63 | | |
| Point 5 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Point 2 | | | 0.00 | -2,305.75 | -503.64 | 1,283,918.27 | 3,240,370.80 | | |
| Point 3 | | | 0.00 | -7,656.87 | -452.67 | 1,278,568.11 | 3,240,473.74 | | |
| Point 4 | | | 0.00 | -10,345.20 | -433.86 | 1,275,880.20 | 3,240,518.65 | | |
| Point 5 | | | 0.00 | -10,330.31 | 4,853.71 | 1,275,946.44 | 3,245,805.61 | | |
| Point 6 | | | 0.00 | -7,703.59 | 4,828.30 | 1,278,572.68 | 3,245,754.70 | | |
| Point 7 | | | 0.00 | -5,102.12 | 4,802.71 | 1,281,173.67 | 3,245,703.85 | | |
| Point 8 | | | 0.00 | -2,370.40 | 4,790.31 | 1,283,905.03 | 3,245,664.92 | | |
| Point 9 | | | 0.00 | 326.30 | 4,769.38 | 1,286,601.29 | 3,245,617.80 | | |
| Point 10 | | | 0.00 | 341.06 | 2,117.34 | 1,286,590.30 | 3,242,965.85 | | |
| Point 11 | | | 0.00 | 356.11 | -534.91 | 1,286,579.59 | 3,240,313.69 | | |
| Hudson 13N-35HZ_BI | 0.00 | 0.00 | 6,990.00 | -9,883.25 | 223.00 | 1,276,348.48 | 3,241,170.97 | 40.088750 | -104.638012 |
| - actual wellpath misses target center by 82.32ft at 16703.00ft MD (6956.58 TVD, -9853.98 N, 292.30 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Hudson 13N-35HZ_SI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,286,228.71 | 3,240,852.01 | 40.115880 | -104.638809 |
| - actual wellpath hits target center | | | | | | | | | |
| - Polygon | | | | | | | | | |
| Point 1 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |
| Point 2 | | | 0.00 | -2,311.37 | -43.52 | 1,283,917.12 | 3,240,830.94 | | |
| Point 3 | | | 0.00 | -7,660.94 | 7.39 | 1,278,568.51 | 3,240,933.79 | | |
| Point 4 | | | 0.00 | -9,883.89 | 22.94 | 1,276,345.90 | 3,240,970.93 | | |
| Point 5 | | | 0.00 | -9,871.60 | 4,389.23 | 1,276,400.60 | 3,245,336.72 | | |
| Point 6 | | | 0.00 | -7,699.52 | 4,368.22 | 1,278,572.28 | 3,245,294.62 | | |
| Point 7 | | | 0.00 | -5,090.38 | 4,342.64 | 1,281,180.94 | 3,245,243.70 | | |
| Point 8 | | | 0.00 | -2,364.78 | 4,330.24 | 1,283,906.18 | 3,245,204.83 | | |
| Point 9 | | | 0.00 | -131.19 | 4,312.90 | 1,286,139.41 | 3,245,165.80 | | |
| Point 10 | | | 0.00 | -118.99 | 2,121.43 | 1,286,130.33 | 3,242,974.41 | | |
| Point 11 | | | 0.00 | -106.56 | -69.42 | 1,286,121.48 | 3,240,783.63 | | |

| Casing Points | | | | | |
|---------------------|---------------------|----------------------------------------|--------|------------------------------------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | | Casing Diameter (") | Hole Diameter (") |
| 7,306.60 | 7,069.71 | 7" Casing @ 7306.6' MD :: 7069.71' TVD | | 7 | 8-3/4 |
| 16,703.00 | 6,956.58 | -9,853.98 | 292.30 | Straight Line Proj @ 16703' MD :: 6956.58' TVD | |

Checked By: _____ Approved By: _____ Date: _____

Halliburton Company

Survey Report - Geographic

| | | | |
|------------------|--------------------------|-------------------------------------|--------------------------------|
| Company: | Anadarko Petroleum Corp. | Local Co-ordinate Reference: | Well Hudson 13N-35HZ |
| Project: | Weld County, CO (NAD 83) | TVD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Site: | Sec. 26-T2N-R65W | MD Reference: | RKB=16 @ 4924.00ft (Xtreme 22) |
| Well: | Hudson 13N-35HZ | North Reference: | True |
| Wellbore: | Plan B Rev 0 | Survey Calculation Method: | Minimum Curvature |
| Design: | Actual Field Surveys | Database: | EDM 2003.16 Single User Db |