

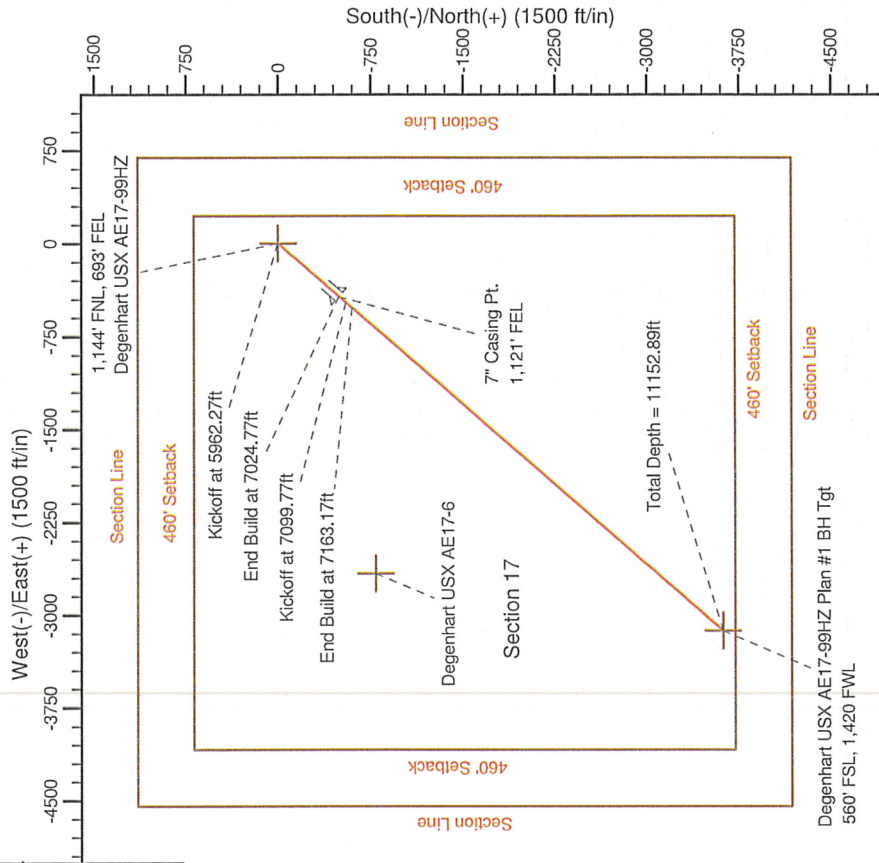
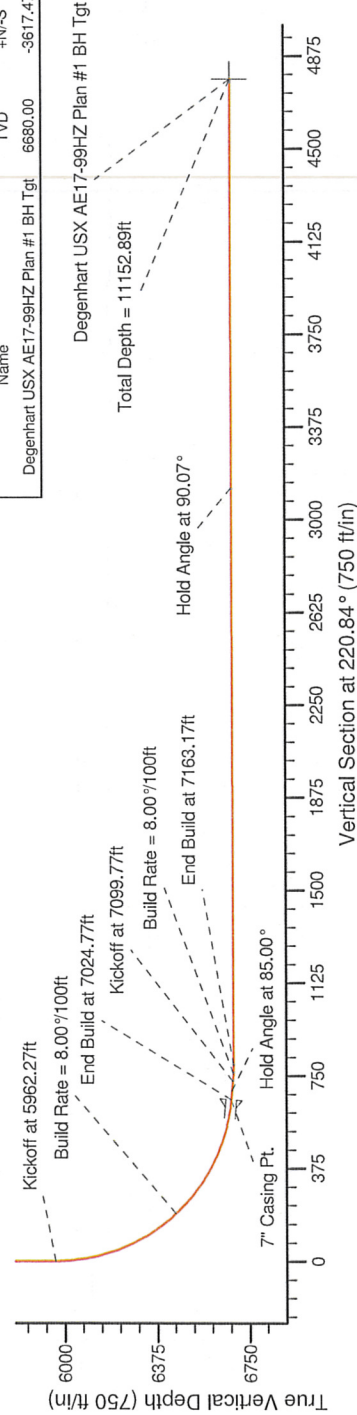
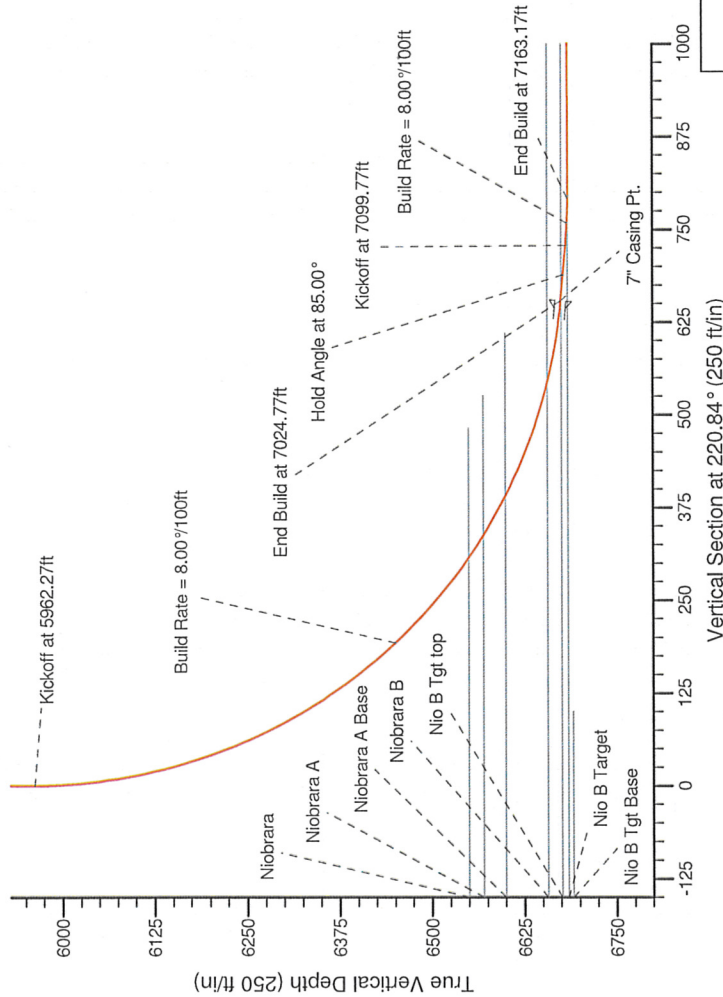
Project: Weld County, CO
Site: Sec. 17-T6N-R62W
Well: Degenhart USX AE17-99HZ
Wellbore: Plan #1
Design: Plan #1 Proposal

Noble Energy

HALLIBURTON
Sperry Drilling

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|----------|-------|--------|---------|----------|----------|------|--------|---------|--|
| 1 | 5962.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 7024.77 | 85.00 | 220.84 | 6675.74 | -494.61 | -427.53 | 8.00 | 220.84 | 653.78 | |
| 3 | 7099.77 | 85.00 | 220.84 | 6682.28 | -551.14 | -476.39 | 0.00 | 0.00 | 728.49 | |
| 4 | 7162.27 | 90.00 | 220.84 | 6685.00 | -517.21 | -598.36 | 8.00 | 0.00 | 790.91 | |
| 5 | 7163.17 | 90.07 | 220.84 | 6685.00 | -599.04 | -517.79 | 8.00 | 0.05 | 791.81 | |
| 6 | 11152.89 | 90.07 | 220.84 | 6680.00 | -3617.47 | -3126.82 | 0.00 | 0.00 | 4781.53 | Degenhart USX AE17-99HZ Plan #1 BH Tgt |
| 7 | | | | | | | | | | |



WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|--|---------|----------|----------|------------------|------------------|-------|
| Degenhart USX AE17-99HZ Plan #1 BH Tgt | 6680.00 | -3617.47 | -3126.82 | 40° 28' 51.996 N | 104° 21' 2.880 W | Point |

WELL DETAILS: Degenhart USX AE17-99HZ

| | | |
|---------------|------------|-------------------|
| Ground Level: | 4925.00 | Longitude |
| Northing | 142888.19 | Latitude |
| Easting | 3322751.32 | 40° 29' 27.744 N |
| | | 104° 20' 22.416 W |

Plan: Plan #1 Proposal (Degenhart USX AE17-99HZ Plan #1)

Created By: Paul A. Bitzan Date: 02/10/2010

APPROVED

By Doug Sproul at 9:29 am, Feb 11, 2010

Approved: _____ Date: _____

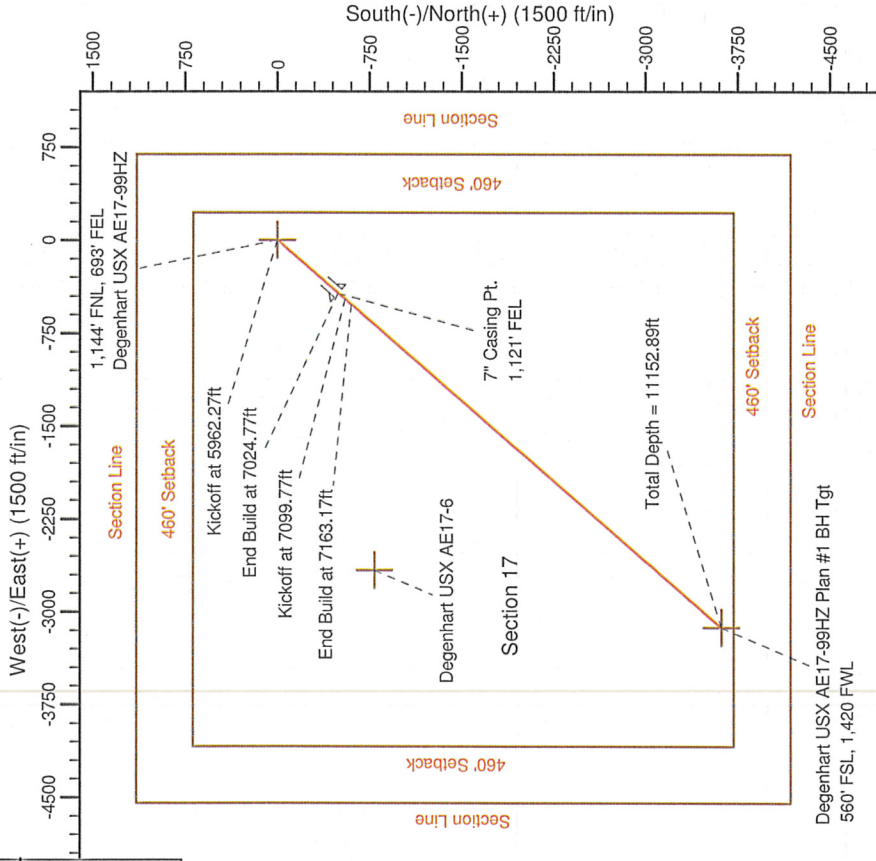
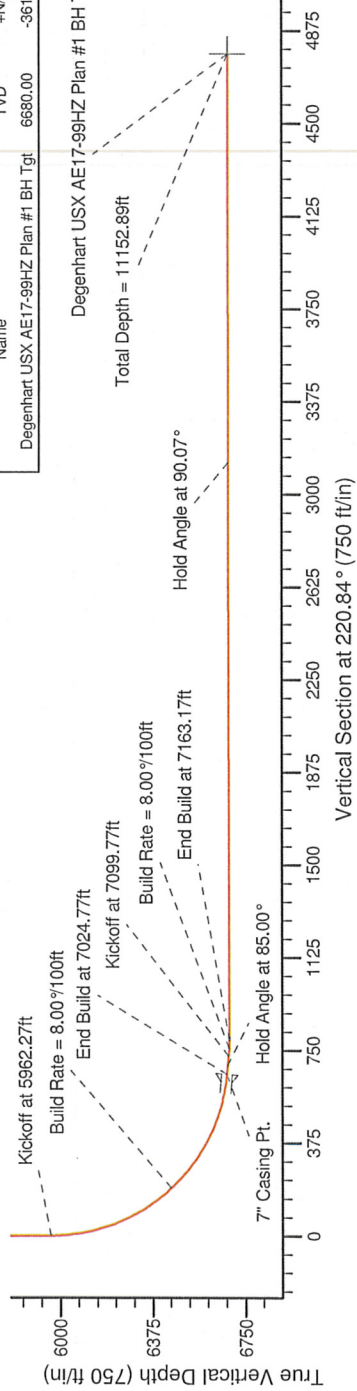
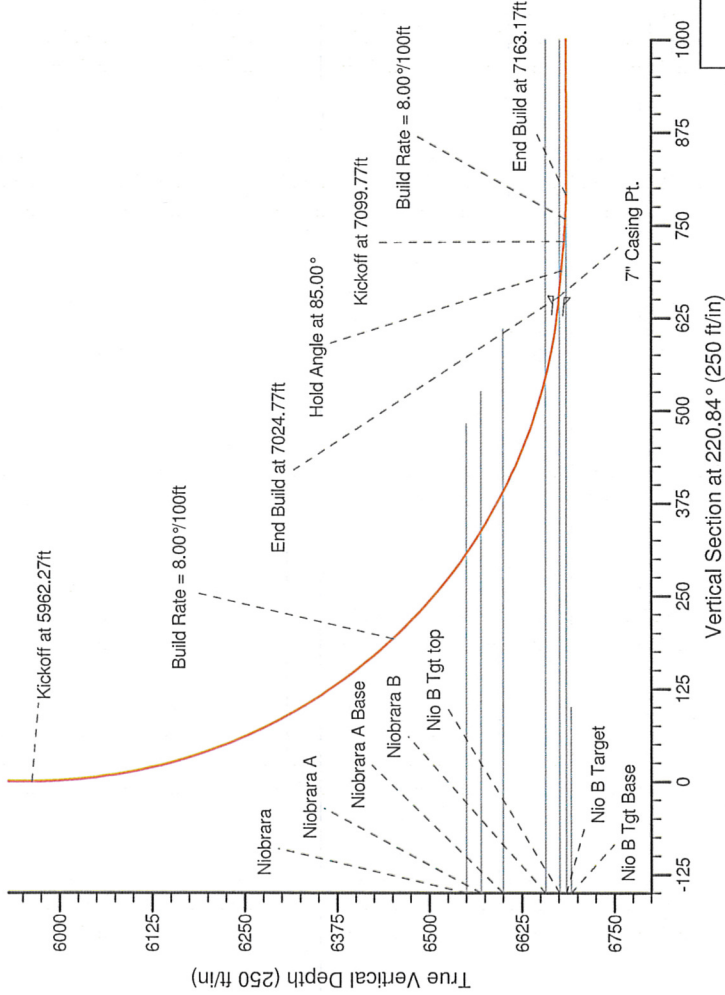
Project: Weld County, CO
Site: Sec. 17-T6N-R62W
Well: Degenhart USX AE17-99HZ
Wellbore: Plan #1
Design: Plan #1 Proposal

Noble Energy

HALLIBURTON
Sperry Drilling

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|----------|-------|--------|---------|----------|----------|------|--------|---------|--|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 5962.27 | 85.00 | 220.84 | 5962.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 7024.77 | 85.00 | 220.84 | 6675.74 | -494.61 | -427.53 | 8.00 | 220.84 | 653.78 | 653.78 |
| 4 | 7099.77 | 85.00 | 220.84 | 6682.28 | -551.14 | -476.39 | 0.00 | 0.00 | 728.49 | 728.49 |
| 5 | 7162.27 | 90.00 | 220.84 | 6685.00 | -598.36 | -517.21 | 8.00 | 0.00 | 790.91 | 790.91 |
| 6 | 7163.17 | 90.07 | 220.84 | 6685.00 | -599.04 | -517.79 | 8.00 | 0.05 | 791.81 | 791.81 |
| 7 | 11152.89 | 90.07 | 220.84 | 6680.00 | -3617.47 | -3126.82 | 0.00 | 0.00 | 4781.53 | Degenhart USX AE17-99HZ Plan #1 BH Tgt |



WELLBORE TARGET DETAILS (LAT/LONG)

| Name | +N/-S | +E/-W | Latitude | Longitude | Shape |
|--|---------|----------|------------------|------------------|-------|
| Degenhart USX AE17-99HZ Plan #1 BH Tgt | 6680.00 | -3617.47 | 40° 28' 51.996 N | 104° 21' 2.880 W | Point |

Degenhart USX AE17-99HZ Plan #1 BH Tgt

| | | |
|---------------|------------------|-------------------|
| Ground Level: | 4925.00 | Longitude |
| North | 1423838.19 | Latitude |
| East | 3322751.32 | Longitude |
| Point | 40° 29' 27.744 N | 104° 20' 22.416 W |

WELL DETAILS: Degenhart USX AE17-99HZ

Plan: Plan #1 Proposal (Degenhart USX AE17-99HZ/Plan #1)

Created By: Paul A. Bitzan Date: 02/10/2010

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

APPROVED

By Doug Sproul at 9:29 am, Feb 11, 2010

Noble Energy

Weld County, CO

Sec. 17-T6N-R62W

Degenhart USX AE17-99HZ

Plan #1

Plan: Plan #1 Proposal

Sperry Drilling Services

Proposal Report

10 February, 2010

Well Coordinates: 1,423,838.19 N, 3,322,751.32 E (40° 29' 27.74" N, 104° 20' 22.42" W)
Ground Level: 4,925.00 ft

| | |
|--------------------------|--|
| Local Coordinate Origin: | Centered on Well Degenhart USX AE17-99HZ |
| Viewing Datum: | RKB 15' @ 4940.00ft (Original Well Elev) |
| TVDs to System: | N |
| North Reference: | True |
| Unit System: | API - US Survey Feet - Custom |

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

HALLIBURTON

Plan Report for Degenhart USX AE17-99HZ - Plan #1 Proposal

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Toolface Azimuth (°) |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 2,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 0.00 | 0.00 | 2,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,877.00 | 0.00 | 0.00 | 2,877.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pierre Silt | | | | | | | | | | |
| 2,900.00 | 0.00 | 0.00 | 2,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 3,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 0.00 | 0.00 | 3,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 0.00 | 0.00 | 3,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 0.00 | 0.00 | 3,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 0.00 | 0.00 | 3,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,576.00 | 0.00 | 0.00 | 3,576.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | | |
| 3,600.00 | 0.00 | 0.00 | 3,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 0.00 | 0.00 | 3,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 0.00 | 0.00 | 3,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 0.00 | 0.00 | 3,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 0.00 | 0.00 | 4,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 0.00 | 0.00 | 4,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 0.00 | 0.00 | 4,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 0.00 | 0.00 | 4,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 0.00 | 0.00 | 4,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,404.00 | 0.00 | 0.00 | 4,404.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sussex | | | | | | | | | | |
| 4,500.00 | 0.00 | 0.00 | 4,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 0.00 | 0.00 | 4,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 0.00 | 0.00 | 4,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 0.00 | 0.00 | 4,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 0.00 | 0.00 | 4,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,986.00 | 0.00 | 0.00 | 4,986.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Shannon | | | | | | | | | | |

Plan Report for Degenhart USX AE17-99HZ - Plan #1 Proposal

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Toolface Azimuth (°) |
|--|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|----------------------------|
| 5,000.00 | 0.00 | 0.00 | 5,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 5,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 5,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,844.00 | 0.00 | 0.00 | 5,844.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Teepee Buttes | | | | | | | | | | |
| 5,900.00 | 0.00 | 0.00 | 5,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,962.27 | 0.00 | 0.00 | 5,962.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kickoff at 5962.27ft | | | | | | | | | | |
| 6,000.00 | 3.02 | 220.84 | 5,999.98 | -0.75 | -0.65 | 0.99 | 8.00 | 8.00 | 0.00 | 220.84 |
| 6,100.00 | 11.02 | 220.84 | 6,099.15 | -9.99 | -8.63 | 13.20 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,200.00 | 19.02 | 220.84 | 6,195.66 | -29.58 | -25.57 | 39.09 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,300.00 | 27.02 | 220.84 | 6,287.62 | -59.14 | -51.12 | 78.17 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,400.00 | 35.02 | 220.84 | 6,373.25 | -98.09 | -84.79 | 129.65 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,500.00 | 43.02 | 220.84 | 6,450.88 | -145.68 | -125.92 | 192.56 | 8.00 | 8.00 | 0.00 | 0.00 |
| Build Rate = 8.00°/100ft | | | | | | | | | | |
| 6,600.00 | 51.02 | 220.84 | 6,519.00 | -200.98 | -173.72 | 265.66 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,651.61 | 55.15 | 220.84 | 6,550.00 | -232.20 | -200.70 | 306.92 | 8.00 | 8.00 | 0.00 | 0.00 |
| Niobrara | | | | | | | | | | |
| 6,687.95 | 58.05 | 220.84 | 6,570.00 | -255.14 | -220.54 | 337.25 | 8.00 | 8.00 | 0.00 | 0.00 |
| Niobrara A | | | | | | | | | | |
| 6,700.00 | 59.02 | 220.84 | 6,576.29 | -262.92 | -227.26 | 347.53 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,748.88 | 62.93 | 220.84 | 6,600.00 | -295.25 | -255.20 | 390.25 | 8.00 | 8.00 | 0.00 | 0.00 |
| Niobrara A Base | | | | | | | | | | |
| 6,800.00 | 67.02 | 220.84 | 6,621.62 | -330.29 | -285.49 | 436.57 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,900.00 | 75.02 | 220.84 | 6,654.12 | -401.77 | -347.28 | 531.05 | 8.00 | 8.00 | 0.00 | 0.00 |
| 6,911.47 | 75.94 | 220.84 | 6,657.00 | -410.17 | -354.54 | 542.16 | 8.00 | 8.00 | 0.00 | 0.00 |
| Niobrara B | | | | | | | | | | |
| 7,000.00 | 83.02 | 220.84 | 6,673.16 | -475.98 | -411.42 | 629.14 | 8.00 | 8.00 | 0.00 | 0.00 |
| 7,024.77 | 85.00 | 220.84 | 6,675.74 | -494.61 | -427.53 | 653.78 | 8.00 | 8.00 | 0.00 | 0.00 |
| End Build at 7024.77ft - 7" Casing Pt. | | | | | | | | | | |
| 7,027.73 | 85.00 | 220.84 | 6,676.00 | -496.85 | -429.46 | 656.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nio B Tgt top | | | | | | | | | | |
| 7,060.00 | 85.00 | 220.84 | 6,678.81 | -521.17 | -450.48 | 688.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold Angle at 85.00° | | | | | | | | | | |
| 7,099.77 | 85.00 | 220.84 | 6,682.28 | -551.14 | -476.39 | 728.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| Kickoff at 7099.77ft | | | | | | | | | | |
| 7,100.00 | 85.00 | 220.84 | 6,682.30 | -551.31 | -476.54 | 728.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,130.00 | 87.42 | 220.84 | 6,684.28 | -573.96 | -496.11 | 758.65 | 8.06 | 8.06 | 0.00 | 0.00 |
| Build Rate = 8.00°/100ft | | | | | | | | | | |
| 7,159.89 | 89.81 | 220.84 | 6,685.00 | -596.57 | -515.65 | 788.54 | 8.00 | 8.00 | 0.00 | 0.00 |
| Nio B Target | | | | | | | | | | |
| 7,162.27 | 90.00 | 220.84 | 6,685.00 | -598.36 | -517.21 | 790.91 | 8.00 | 8.00 | 0.00 | 0.00 |
| 7,163.17 | 90.07 | 220.84 | 6,685.00 | -599.05 | -517.79 | 791.81 | 7.98 | 7.98 | 0.01 | 0.05 |
| End Build at 7163.17ft | | | | | | | | | | |
| 7,200.00 | 90.07 | 220.84 | 6,684.96 | -626.91 | -541.88 | 828.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 90.07 | 220.84 | 6,684.83 | -702.56 | -607.27 | 928.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 90.07 | 220.84 | 6,684.71 | -778.22 | -672.67 | 1,028.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 90.07 | 220.84 | 6,684.58 | -853.87 | -738.06 | 1,128.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 90.07 | 220.84 | 6,684.46 | -929.53 | -803.45 | 1,228.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 90.07 | 220.84 | 6,684.33 | -1,005.18 | -868.85 | 1,328.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.07 | 220.84 | 6,684.20 | -1,080.84 | -934.24 | 1,428.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.07 | 220.84 | 6,684.08 | -1,156.49 | -999.63 | 1,528.64 | 0.00 | 0.00 | 0.00 | 0.00 |

Plan Report for Degenhart USX AE17-99HZ - Plan #1 Proposal

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Toolface Azimuth (°) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|----------------------|
| 8,000.00 | 90.07 | 220.84 | 6,683.95 | -1,232.15 | -1,065.03 | 1,628.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.07 | 220.84 | 6,683.83 | -1,307.80 | -1,130.42 | 1,728.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.07 | 220.84 | 6,683.70 | -1,383.46 | -1,195.81 | 1,828.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.07 | 220.84 | 6,683.58 | -1,459.11 | -1,261.21 | 1,928.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.07 | 220.84 | 6,683.45 | -1,534.77 | -1,326.60 | 2,028.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.07 | 220.84 | 6,683.33 | -1,610.42 | -1,392.00 | 2,128.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.07 | 220.84 | 6,683.20 | -1,686.08 | -1,457.39 | 2,228.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.07 | 220.84 | 6,683.08 | -1,761.73 | -1,522.78 | 2,328.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.07 | 220.84 | 6,682.95 | -1,837.39 | -1,588.18 | 2,428.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.07 | 220.84 | 6,682.83 | -1,913.04 | -1,653.57 | 2,528.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.07 | 220.84 | 6,682.70 | -1,988.70 | -1,718.96 | 2,628.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.07 | 220.84 | 6,682.57 | -2,064.35 | -1,784.36 | 2,728.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.07 | 220.84 | 6,682.45 | -2,140.01 | -1,849.75 | 2,828.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.07 | 220.84 | 6,682.32 | -2,215.66 | -1,915.14 | 2,928.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.07 | 220.84 | 6,682.20 | -2,291.32 | -1,980.54 | 3,028.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.07 | 220.84 | 6,682.07 | -2,366.97 | -2,045.93 | 3,128.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hold Angle at 90.07° | | | | | | | | | | |
| 9,600.00 | 90.07 | 220.84 | 6,681.95 | -2,442.63 | -2,111.32 | 3,228.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.07 | 220.84 | 6,681.82 | -2,518.28 | -2,176.72 | 3,328.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.07 | 220.84 | 6,681.70 | -2,593.94 | -2,242.11 | 3,428.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.07 | 220.84 | 6,681.57 | -2,669.59 | -2,307.51 | 3,528.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.07 | 220.84 | 6,681.45 | -2,745.25 | -2,372.90 | 3,628.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.07 | 220.84 | 6,681.32 | -2,820.90 | -2,438.29 | 3,728.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.07 | 220.84 | 6,681.19 | -2,896.56 | -2,503.69 | 3,828.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.07 | 220.84 | 6,681.07 | -2,972.21 | -2,569.08 | 3,928.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.07 | 220.84 | 6,680.94 | -3,047.87 | -2,634.47 | 4,028.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.07 | 220.84 | 6,680.82 | -3,123.52 | -2,699.87 | 4,128.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.07 | 220.84 | 6,680.69 | -3,199.17 | -2,765.26 | 4,228.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.07 | 220.84 | 6,680.57 | -3,274.83 | -2,830.65 | 4,328.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.07 | 220.84 | 6,680.44 | -3,350.48 | -2,896.05 | 4,428.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.07 | 220.84 | 6,680.32 | -3,426.14 | -2,961.44 | 4,528.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.07 | 220.84 | 6,680.19 | -3,501.79 | -3,026.84 | 4,628.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.07 | 220.84 | 6,680.07 | -3,577.45 | -3,092.23 | 4,728.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,152.89 | 90.07 | 220.84 | 6,680.00 | -3,617.46 | -3,126.82 | 4,781.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Depth = 11152.89ft - Degenhart USX AE17-99HZ Plan #1 BH Tgt | | | | | | | | | | |

Plan Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------|---------------------|-------------------|------------|--------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 5,962.27 | 5,962.27 | 0.00 | 0.00 | Kickoff at 5962.27ft |
| 6,500.00 | 6,450.88 | -145.68 | -125.92 | Build Rate = 8.00°/100ft |
| 7,024.77 | 6,675.74 | -494.61 | -427.53 | End Build at 7024.77ft |
| 7,060.00 | 6,678.81 | -521.17 | -450.48 | Hold Angle at 85.00° |
| 7,099.77 | 6,682.28 | -551.14 | -476.39 | Kickoff at 7099.77ft |
| 7,130.00 | 6,684.28 | -573.96 | -496.11 | Build Rate = 8.00°/100ft |
| 7,163.17 | 6,685.00 | -599.05 | -517.79 | End Build at 7163.17ft |
| 9,500.00 | 6,682.07 | -2,366.97 | -2,045.93 | Hold Angle at 90.07° |
| 11,152.89 | 6,680.00 | -3,617.46 | -3,126.82 | Total Depth = 11152.89ft |

Vertical Section Information

| Angle Type | Target | Azimuth (°) | Origin Type | Origin | | Start TVD (ft) |
|------------|--|-------------|-------------|------------|------------|----------------|
| | | | | +N/-S (ft) | +E/-W (ft) | |
| Target | Degenhart USX AE17-99HZ Plan #1 BH Tgt | 220.84 | Slot | 0.00 | 0.00 | 0.00 |

Plan Report for Degenhart USX AE17-99HZ - Plan #1 Proposal

Survey tool program

| From (ft) | To (ft) | Survey/Plan | Survey Tool |
|--------------|------------|------------------|-------------|
| 0.00 | 11,152.83 | Plan #1 Proposal | MWD |

Casing Details

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------------|---------------------------|---------------|---------------------------|-------------------------|
| 7,024.77 | 6,675.74 | 7" Casing Pt. | 7 | 8-3/4 |

Formation Details

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------------|---------------------------|-----------------|-----------|------------|-------------------------|
| | 6,691.00 | Nio B Tgt Base | | 0.00 | |
| 2,877.00 | 2,877.00 | Pierre Silt | | 0.00 | |
| 3,576.00 | 3,576.00 | Parkman | | 0.00 | |
| 4,404.00 | 4,404.00 | Sussex | | 0.00 | |
| 4,986.00 | 4,986.00 | Shannon | | 0.00 | |
| 5,844.00 | 5,844.00 | Teepee Buttes | | 0.00 | |
| 6,651.61 | 6,550.00 | Niobrara | | 0.00 | |
| 6,687.95 | 6,570.00 | Niobrara A | | 0.00 | |
| 6,748.88 | 6,600.00 | Niobrara A Base | | 0.00 | |
| 6,911.47 | 6,657.00 | Niobrara B | | 0.00 | |
| 7,027.73 | 6,676.00 | Nio B Tgt top | | 0.00 | |
| 7,159.89 | 6,685.00 | Nio B Target | | 0.00 | |

Targets associated with this wellbore

| Target Name | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Shape |
|--|-------------|---------------|---------------|---------|
| Degenhart USX AE17-99HZ Plan #1 BH Tgt | 6,680.00 | -3,617.47 | -3,126.82 | Point |
| Degenhart USX AE17-99HZ W. 460' Setback | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-99HZ S. 460' Setback | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-99HZ E. 460' Setback | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-99HZ N. 460' Setback | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-99HZ N. Section Line | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-6 | 0.00 | -790.42 | -2,664.72 | Point |
| Degenhart USX AE17-99HZ E. Section Line | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-99HZ W. Section Line | 0.00 | 0.00 | 0.00 | Polygon |
| Degenhart USX AE17-99HZ S. Section Line | 0.00 | 0.00 | 0.00 | Polygon |

**North Reference Sheet for Sec. 17-T6N-R62W - Degenhart USX AE17-99HZ - Plan
#1**

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

Vertical Depths are relative to RKB 15' @ 4940.00ft (Original Well Elev). Northing and Easting are relative to Degenhart USX AE17-99HZ

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 -105.50°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 47' 0.000 N°

False Easting: 3,000,000.00ft, False Northing: 1,000,000.00ft, Scale Reduction: 0.99996562

Grid Coordinates of Well: 1,423,838.19 ft N, 3,322,751.32 ft E

Geographical Coordinates of Well: 40° 29' 27.74" N, 104° 20' 22.42" W

Grid Convergence at Surface is: 0.75°

Based upon Minimum Curvature type calculations, at a Measured Depth of 11,152.89ft
the Bottom Hole Displacement is 4,781.53ft in the Direction of 220.84° (True).

Magnetic Convergence at surface is: -7.98° (15 May 2010, , BGGM2009)

