

Great Western

Well Name: **Kodak North FD 27-062HN**

Surface Location: Kodak North Pad Sec.26-T6N-R67W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4760.1

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|-----------|-------------|------|
| 0.0 | 0.0 | 1410694.36 | 3177206.45 | 40.459011 | -104.863175 | |

RKB - 16.5' WELL @ 4776.6ft (RKB - 16.5')

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|--------------------------------------|--------|--------|---------|-------|
| SHL 2253'FNL & 2000'FWL, Sec.26 | 1.0 | 0.0 | 0.0 | Point |
| BHL 832'FNL & 470'FWL, Sec.27 | 6930.6 | 1409.7 | -6750.1 | Point |
| Entry Pt. 832'FNL & 1825'FWL, Sec.26 | 6930.6 | 1419.7 | -177.8 | Point |



Azimuths to True North
Magnetic North: 8.59°

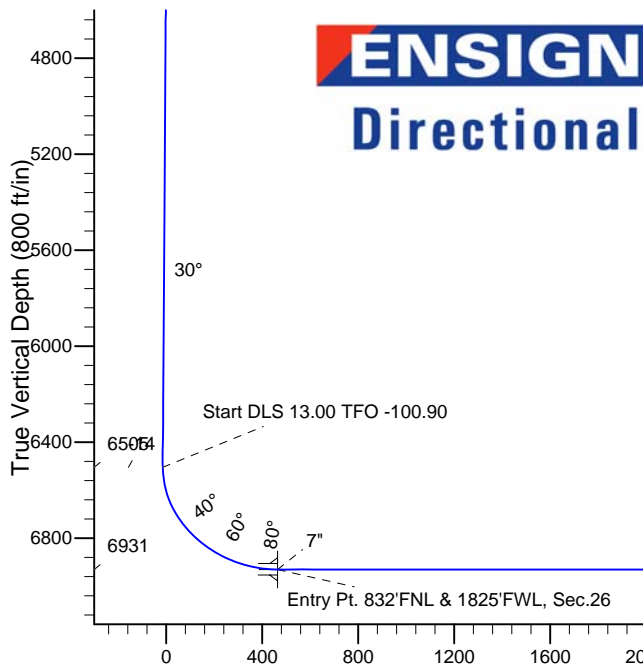
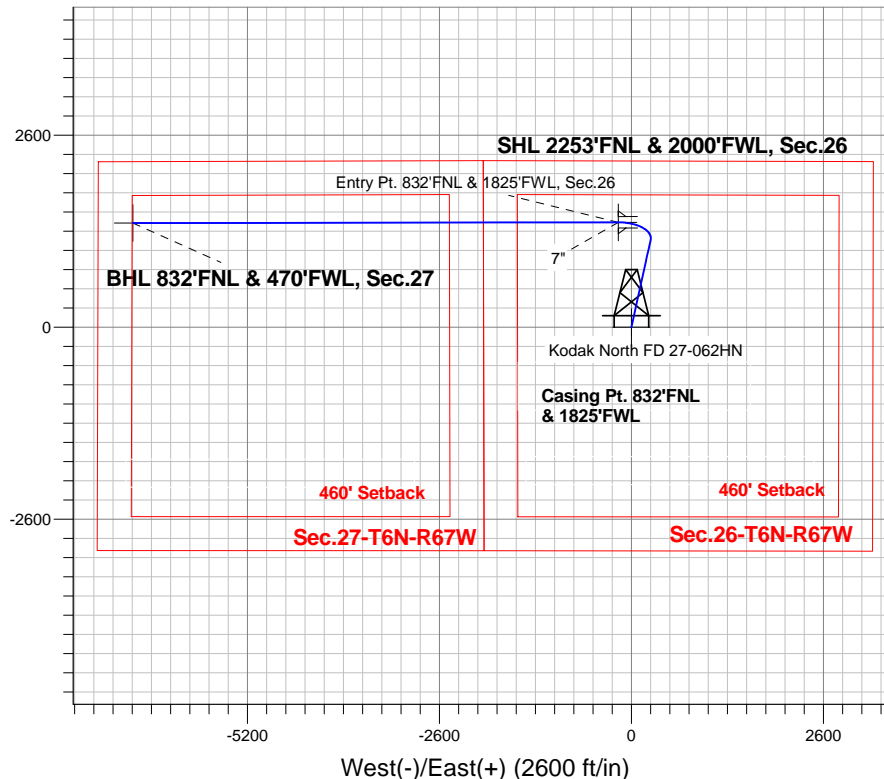
Magnetic Field
Strength: 52895.8nT
Dip Angle: 67.00°
Date: 11/21/2013
Model: IGRF2010

Kodak North Pad Sec.26-T6N-R67W
Kodak North FD 27-062HN
Plan #1 (11-21-13)
13:06, November 22 2013

ANNOTATIONS

| TVD | MD | Annotation |
|--------|---------|-----------------------------|
| 3900.0 | 3900.0 | KOP - Start Build 3.00 |
| 6505.0 | 6805.5 | Start DLS 13.00 TFO -100.90 |
| 6930.6 | 14118.0 | TD at 14118.0 |

South(-)/North(+) (2600 ft/in)



SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|---------|-------|--------|--------|--------|---------|-------|---------|--------|--------------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 3900.0 | 0.00 | 0.00 | 3900.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 4900.3 | 30.01 | 12.45 | 4855.2 | 250.0 | 55.2 | 3.00 | 12.45 | -2.9 | |
| 4 | 6805.5 | 30.01 | 12.45 | 6505.0 | 1180.4 | 260.7 | 0.00 | 0.00 | -13.8 | |
| 5 | 7545.7 | 90.00 | 269.92 | 6930.6 | 1419.7 | -177.8 | 13.00 | -100.90 | 464.3 | Entry Pt. 832'FNL & 1825'FWL, Sec.26 |
| 6 | 7546.5 | 90.00 | 269.91 | 6930.6 | 1419.7 | -178.5 | 1.00 | -90.00 | 465.0 | |
| 7 | 14118.0 | 90.00 | 269.91 | 6930.6 | 1409.7 | -6750.1 | 0.00 | 0.00 | 6895.7 | BHL 832'FNL & 470'FWL, Sec.27 |

BHL 832'FNL & 470'FWL, Sec.27

Vertical Section at 281.80° (800 ft/in)



Great Western

SEC.26-T6N-R67W

Kodak North Pad Sec.26-T6N-R67W

Kodak North FD 27-062HN

Wellbore #1

Plan: Plan #1 (11-21-13)

Standard Planning Report

22 November, 2013

| Plan Sections | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,900.0 | 0.00 | 0.00 | 3,900.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,900.3 | 30.01 | 12.45 | 4,855.2 | 250.0 | 55.2 | 3.00 | 3.00 | 0.00 | 12.45 | |
| 6,805.5 | 30.01 | 12.45 | 6,505.0 | 1,180.4 | 260.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,545.7 | 90.00 | 269.92 | 6,930.6 | 1,419.7 | -177.8 | 13.00 | 8.10 | -13.85 | -100.90 | Entry Pt. 832'FNL & 470'W |
| 7,546.5 | 90.00 | 269.91 | 6,930.6 | 1,419.7 | -178.5 | 1.00 | 0.00 | -1.00 | -90.00 | |
| 14,118.0 | 90.00 | 269.91 | 6,930.6 | 1,409.7 | -6,750.1 | 0.00 | 0.00 | 0.00 | 0.00 | BHL 832'FNL & 470'W |

| Planned Survey | | Survey Data | | | | | | | |
|---------------------------------|-----------------|-------------|---------------------|-----------|-----------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N-S (ft) | +E-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1.0 | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| SHL 2253'FNL & 2000'FWL, Sec.26 | | | | | | | | | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 0.00 | 0.00 | 1,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 0.00 | 0.00 | 2,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 0.00 | 0.00 | 2,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 0.00 | 0.00 | 2,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 0.00 | 0.00 | 2,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 0.00 | 0.00 | 2,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 0.00 | 0.00 | 2,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 0.00 | 0.00 | 2,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 0.00 | 0.00 | 2,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 0.00 | 0.00 | 2,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 0.00 | 0.00 | 2,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 0.00 | 0.00 | 3,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 0.00 | 0.00 | 3,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 0.00 | 0.00 | 3,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 0.00 | 0.00 | 3,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 0.00 | 0.00 | 3,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 0.00 | 0.00 | 3,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 0.00 | 0.00 | 3,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 0.00 | 0.00 | 3,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 0.00 | 0.00 | 3,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 0.00 | 0.00 | 3,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------------|-------------------------------------|-------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Company: | Great Western | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Project: | SEC.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site: | Kodak North Pad Sec.26-T6N-R67W | North Reference: | True |
| Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-21-13) | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,000.0 | 30.01 | 12.45 | 4,941.5 | 298.7 | 66.0 | -3.5 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 30.01 | 12.45 | 5,028.1 | 347.5 | 76.7 | -4.1 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 30.01 | 12.45 | 5,114.7 | 396.4 | 87.5 | -4.6 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 30.01 | 12.45 | 5,201.3 | 445.2 | 98.3 | -5.2 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 30.01 | 12.45 | 5,287.9 | 494.0 | 109.1 | -5.8 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 30.01 | 12.45 | 5,374.5 | 542.9 | 119.9 | -6.4 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 30.01 | 12.45 | 5,461.1 | 591.7 | 130.7 | -6.9 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 30.01 | 12.45 | 5,547.7 | 640.5 | 141.4 | -7.5 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 30.01 | 12.45 | 5,634.3 | 689.4 | 152.2 | -8.1 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 30.01 | 12.45 | 5,720.9 | 738.2 | 163.0 | -8.7 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 30.01 | 12.45 | 5,807.5 | 787.0 | 173.8 | -9.2 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 30.01 | 12.45 | 5,894.1 | 835.9 | 184.6 | -9.8 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 30.01 | 12.45 | 5,980.7 | 884.7 | 195.4 | -10.4 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 30.01 | 12.45 | 6,067.3 | 933.6 | 206.1 | -10.9 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 30.01 | 12.45 | 6,153.9 | 982.4 | 216.9 | -11.5 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 30.01 | 12.45 | 6,240.5 | 1,031.2 | 227.7 | -12.1 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 30.01 | 12.45 | 6,327.1 | 1,080.1 | 238.5 | -12.7 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 30.01 | 12.45 | 6,413.6 | 1,128.9 | 249.3 | -13.2 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 30.01 | 12.45 | 6,500.2 | 1,177.7 | 260.1 | -13.8 | 0.00 | 0.00 | 0.00 |
| 6,805.5 | 30.01 | 12.45 | 6,505.0 | 1,180.4 | 260.7 | -13.8 | 0.00 | 0.00 | 0.00 |
| Start DLS 13.00 TFO -100.90 | | | | | | | | | |
| 6,900.0 | 29.98 | 347.73 | 6,587.2 | 1,226.7 | 260.7 | -4.4 | 13.00 | -0.03 | -26.16 |
| 7,000.0 | 34.58 | 324.80 | 6,672.0 | 1,274.5 | 239.0 | 26.6 | 13.00 | 4.60 | -22.93 |
| 7,100.0 | 42.41 | 308.03 | 6,750.4 | 1,318.7 | 195.9 | 77.8 | 13.00 | 7.84 | -16.78 |
| 7,200.0 | 52.02 | 296.03 | 6,818.4 | 1,356.9 | 133.6 | 146.6 | 13.00 | 9.61 | -11.99 |
| 7,300.0 | 62.55 | 286.95 | 6,872.5 | 1,387.3 | 55.4 | 229.3 | 13.00 | 10.53 | -9.09 |
| 7,400.0 | 73.57 | 279.49 | 6,909.8 | 1,408.2 | -34.7 | 321.9 | 13.00 | 11.02 | -7.46 |
| 7,500.0 | 84.82 | 272.85 | 6,928.5 | 1,418.6 | -132.2 | 419.4 | 13.00 | 11.25 | -6.64 |
| 7,545.7 | 90.00 | 269.92 | 6,930.6 | 1,419.7 | -177.8 | 464.3 | 12.99 | 11.31 | -6.40 |
| 7" - Entry Pt. 832'FNL & 1825'FWL, Sec.26 | | | | | | | | | |
| 7,546.5 | 90.00 | 269.91 | 6,930.6 | 1,419.7 | -178.5 | 465.0 | 1.45 | 0.58 | -1.33 |
| 7,600.0 | 90.00 | 269.91 | 6,930.6 | 1,419.7 | -232.1 | 517.4 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.00 | 269.91 | 6,930.6 | 1,419.5 | -332.1 | 615.3 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.00 | 269.91 | 6,930.6 | 1,419.4 | -432.1 | 713.1 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.00 | 269.91 | 6,930.6 | 1,419.2 | -532.1 | 811.0 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.00 | 269.91 | 6,930.6 | 1,419.1 | -632.1 | 908.8 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.00 | 269.91 | 6,930.6 | 1,418.9 | -732.1 | 1,006.7 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.00 | 269.91 | 6,930.6 | 1,418.8 | -832.1 | 1,104.5 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.00 | 269.91 | 6,930.6 | 1,418.6 | -932.1 | 1,202.4 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.00 | 269.91 | 6,930.6 | 1,418.4 | -1,032.1 | 1,300.3 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.00 | 269.91 | 6,930.6 | 1,418.3 | -1,132.1 | 1,398.1 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.00 | 269.91 | 6,930.6 | 1,418.1 | -1,232.1 | 1,496.0 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.00 | 269.91 | 6,930.6 | 1,418.0 | -1,332.1 | 1,593.8 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.00 | 269.91 | 6,930.6 | 1,417.8 | -1,432.1 | 1,691.7 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.00 | 269.91 | 6,930.6 | 1,417.7 | -1,532.1 | 1,789.5 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.00 | 269.91 | 6,930.6 | 1,417.5 | -1,632.1 | 1,887.4 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.00 | 269.91 | 6,930.6 | 1,417.4 | -1,732.1 | 1,985.3 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.00 | 269.91 | 6,930.6 | 1,417.2 | -1,832.1 | 2,083.1 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.00 | 269.91 | 6,930.6 | 1,417.1 | -1,932.1 | 2,181.0 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.00 | 269.91 | 6,930.6 | 1,416.9 | -2,032.1 | 2,278.8 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.00 | 269.91 | 6,930.6 | 1,416.8 | -2,132.1 | 2,376.7 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.00 | 269.91 | 6,930.6 | 1,416.6 | -2,232.1 | 2,474.5 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.00 | 269.91 | 6,930.6 | 1,416.5 | -2,332.1 | 2,572.4 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.00 | 269.91 | 6,930.6 | 1,416.3 | -2,432.1 | 2,670.3 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------------|-------------------------------------|-------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Company: | Great Western | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Project: | SEC.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site: | Kodak North Pad Sec.26-T6N-R67W | North Reference: | True |
| Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-21-13) | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 9,900.0 | 90.00 | 269.91 | 6,930.6 | 1,416.2 | -2,532.1 | 2,768.1 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.00 | 269.91 | 6,930.6 | 1,416.0 | -2,632.1 | 2,866.0 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.00 | 269.91 | 6,930.6 | 1,415.9 | -2,732.1 | 2,963.8 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.00 | 269.91 | 6,930.6 | 1,415.7 | -2,832.1 | 3,061.7 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.00 | 269.91 | 6,930.6 | 1,415.6 | -2,932.1 | 3,159.5 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.00 | 269.91 | 6,930.6 | 1,415.4 | -3,032.1 | 3,257.4 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.00 | 269.91 | 6,930.6 | 1,415.3 | -3,132.1 | 3,355.2 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.00 | 269.91 | 6,930.6 | 1,415.1 | -3,232.1 | 3,453.1 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.00 | 269.91 | 6,930.6 | 1,414.9 | -3,332.1 | 3,551.0 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.00 | 269.91 | 6,930.6 | 1,414.8 | -3,432.1 | 3,648.8 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.00 | 269.91 | 6,930.6 | 1,414.6 | -3,532.1 | 3,746.7 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.00 | 269.91 | 6,930.6 | 1,414.5 | -3,632.1 | 3,844.5 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.00 | 269.91 | 6,930.6 | 1,414.3 | -3,732.1 | 3,942.4 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.00 | 269.91 | 6,930.6 | 1,414.2 | -3,832.1 | 4,040.2 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.00 | 269.91 | 6,930.6 | 1,414.0 | -3,932.1 | 4,138.1 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.00 | 269.91 | 6,930.6 | 1,413.9 | -4,032.1 | 4,236.0 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.00 | 269.91 | 6,930.6 | 1,413.7 | -4,132.1 | 4,333.8 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.00 | 269.91 | 6,930.6 | 1,413.6 | -4,232.1 | 4,431.7 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.00 | 269.91 | 6,930.6 | 1,413.4 | -4,332.1 | 4,529.5 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.00 | 269.91 | 6,930.6 | 1,413.3 | -4,432.1 | 4,627.4 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.00 | 269.91 | 6,930.6 | 1,413.1 | -4,532.1 | 4,725.2 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.00 | 269.91 | 6,930.6 | 1,413.0 | -4,632.1 | 4,823.1 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.00 | 269.91 | 6,930.6 | 1,412.8 | -4,732.1 | 4,921.0 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.00 | 269.91 | 6,930.6 | 1,412.7 | -4,832.1 | 5,018.8 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.00 | 269.91 | 6,930.6 | 1,412.5 | -4,932.1 | 5,116.7 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.00 | 269.91 | 6,930.6 | 1,412.4 | -5,032.1 | 5,214.5 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.00 | 269.91 | 6,930.6 | 1,412.2 | -5,132.1 | 5,312.4 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.00 | 269.91 | 6,930.6 | 1,412.1 | -5,232.1 | 5,410.2 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.00 | 269.91 | 6,930.6 | 1,411.9 | -5,332.1 | 5,508.1 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.00 | 269.91 | 6,930.6 | 1,411.7 | -5,432.1 | 5,606.0 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.00 | 269.91 | 6,930.6 | 1,411.6 | -5,532.1 | 5,703.8 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.00 | 269.91 | 6,930.6 | 1,411.4 | -5,632.1 | 5,801.7 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.00 | 269.91 | 6,930.6 | 1,411.3 | -5,732.1 | 5,899.5 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.00 | 269.91 | 6,930.6 | 1,411.1 | -5,832.1 | 5,997.4 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.00 | 269.91 | 6,930.6 | 1,411.0 | -5,932.1 | 6,095.2 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.00 | 269.91 | 6,930.6 | 1,410.8 | -6,032.1 | 6,193.1 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 90.00 | 269.91 | 6,930.6 | 1,410.7 | -6,132.1 | 6,291.0 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.00 | 269.91 | 6,930.6 | 1,410.5 | -6,232.1 | 6,388.8 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.00 | 269.91 | 6,930.6 | 1,410.4 | -6,332.1 | 6,486.7 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.00 | 269.91 | 6,930.6 | 1,410.2 | -6,432.1 | 6,584.5 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 90.00 | 269.91 | 6,930.6 | 1,410.1 | -6,532.1 | 6,682.4 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 90.00 | 269.91 | 6,930.6 | 1,409.9 | -6,632.1 | 6,780.2 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.00 | 269.91 | 6,930.6 | 1,409.8 | -6,732.1 | 6,878.1 | 0.00 | 0.00 | 0.00 |
| 14,118.0 | 90.00 | 269.91 | 6,930.6 | 1,409.7 | -6,750.1 | 6,895.7 | 0.00 | 0.00 | 0.00 |
| TD at 14118.0 - BHL 832'FNL & 470'FWL, Sec.27 | | | | | | | | | |

| | | | |
|------------------|---------------------------------|-------------------------------------|-------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Company: | Great Western | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Project: | SEC.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site: | Kodak North Pad Sec.26-T6N-R67W | North Reference: | True |
| Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-21-13) | | |

| 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 |
| BHL 832'FNL & 470'F - plan hits target center - Point | 0.00 | 0.00 | 6,930.6 | 1,409.7 | -6,750.1 | 1,412,055.54 | 3,170,446.66 | 40.462878 | -104.887433 |
| Entry Pt. 832'FNL & 1 - plan hits target center - Point | 0.00 | 0.00 | 6,930.6 | 1,419.7 | -177.8 | 1,412,112.74 | 3,177,018.45 | 40.462908 | -104.863814 |
| SHL 2253'FNL & 200' - plan hits target center - Point | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 1,410,694.37 | 3,177,206.45 | 40.459011 | -104.863175 |

| Casing Points | | | | | |
|---------------------------|---------------------------|------|--|---------------------------|-------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | | Casing Diameter (") | Hole Diameter (") |
| 7,545.7 | 6,930.6 | 7" | | 7 | 7-1/2 |

| Plan Annotations | | | | |
|---------------------------|---------------------------|-------------------|---------------|-----------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 3,900.0 | 3,900.0 | 0.0 | 0.0 | KOP - Start Build 3.00 |
| 6,805.5 | 6,505.0 | 1,180.4 | 260.7 | Start DLS 13.00 TFO -100.90 |
| 14,118.0 | 6,930.6 | 1,409.7 | -6,750.1 | TD at 14118.0 |



Great Western

SEC.26-T6N-R67W

Kodak North Pad Sec.26-T6N-R67W

Kodak North FD 27-062HN

Wellbore #1

Plan #1 (11-21-13)

Anticollision Report

22 November, 2013

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | Plan #1 (11-21-13) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | MD Interval 100.0ft | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 1,000.0ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | | |

| | | | | |
|----------------------------|------------------------|----------------------------------|------------------|--------------------|
| Survey Tool Program | Date 11/22/2013 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.0 | 14,118.0 | Plan #1 (11-21-13) (Wellbore #1) | MWD | MWD - Standard |

| | | | | | | |
|---|--------------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|--------------------------|-----------------|
| Summary | | | | | | |
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| Kodak North Pad Sec.26-T6N-R67W | | | | | | |
| Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-2 | 3,900.0 | 3,900.0 | 120.5 | 103.2 | 6.962 | CC, ES |
| Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-2 | 7,205.3 | 7,588.0 | 203.6 | 165.3 | 5.318 | SF |
| Kodak North FD 27-019HN - Wellbore #1 - Plan #1 (11-2 | 2,900.0 | 2,900.0 | 29.5 | 16.7 | 2.304 | CC |
| Kodak North FD 27-019HN - Wellbore #1 - Plan #1 (11-2 | 3,000.0 | 2,999.8 | 29.9 | 16.6 | 2.252 | ES |
| Kodak North FD 27-019HN - Wellbore #1 - Plan #1 (11-2 | 14,118.0 | 14,306.0 | 661.6 | 274.9 | 1.711 | SF |
| Kodak North FD 27-099HC - Wellbore #1 - Plan #1 (11-2 | 3,900.0 | 3,900.0 | 30.1 | 12.7 | 1.737 | CC |
| Kodak North FD 27-099HC - Wellbore #1 - Plan #1 (11-2 | 14,118.0 | 14,230.6 | 312.7 | -9.7 | 0.970 | Level 1, ES, SF |
| Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-2 | 3,900.0 | 3,900.0 | 60.4 | 43.1 | 3.489 | CC, ES |
| Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-2 | 14,118.0 | 13,967.2 | 642.6 | 255.5 | 1.660 | SF |

| | | | | | | | | | | | | |
|--|----------------------------|----------------------------|----------------------------|------------------------|--------------------|------------------------------|--|--|-----------------------------|------------------------------|--------------------------------|--------------------------|
| Offset Design | | | | | | | | | | | | |
| Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-21-13) | | | | | | | | | | | | |
| Survey Program: 0-MWD | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | Offset Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -90.01 | 0.0 | -120.5 | 120.5 | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -90.01 | 0.0 | -120.5 | 120.5 | 120.3 | 0.22 | 536.089 |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -90.01 | 0.0 | -120.5 | 120.5 | 119.8 | 0.67 | 178.696 |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | -90.01 | 0.0 | -120.5 | 120.5 | 119.4 | 1.12 | 107.218 |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | -90.01 | 0.0 | -120.5 | 120.5 | 118.9 | 1.57 | 76.584 |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | -90.01 | 0.0 | -120.5 | 120.5 | 118.5 | 2.02 | 59.565 |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | -90.01 | 0.0 | -120.5 | 120.5 | 118.0 | 2.47 | 48.735 |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | -90.01 | 0.0 | -120.5 | 120.5 | 117.6 | 2.92 | 41.238 |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | -90.01 | 0.0 | -120.5 | 120.5 | 117.1 | 3.37 | 35.739 |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | -90.01 | 0.0 | -120.5 | 120.5 | 116.7 | 3.82 | 31.535 |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | -90.01 | 0.0 | -120.5 | 120.5 | 116.2 | 4.27 | 28.215 |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | -90.01 | 0.0 | -120.5 | 120.5 | 115.8 | 4.72 | 25.528 |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | -90.01 | 0.0 | -120.5 | 120.5 | 115.3 | 5.17 | 23.308 |
| 1,300.0 | 1,300.0 | 1,300.0 | 1,300.0 | 2.8 | 2.8 | -90.01 | 0.0 | -120.5 | 120.5 | 114.9 | 5.62 | 21.444 |
| 1,400.0 | 1,400.0 | 1,400.0 | 1,400.0 | 3.0 | 3.0 | -90.01 | 0.0 | -120.5 | 120.5 | 114.4 | 6.07 | 19.855 |
| 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | 3.3 | 3.3 | -90.01 | 0.0 | -120.5 | 120.5 | 114.0 | 6.52 | 18.486 |
| 1,600.0 | 1,600.0 | 1,600.0 | 1,600.0 | 3.5 | 3.5 | -90.01 | 0.0 | -120.5 | 120.5 | 113.5 | 6.97 | 17.293 |
| 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | 3.7 | 3.7 | -90.01 | 0.0 | -120.5 | 120.5 | 113.1 | 7.42 | 16.245 |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 1,800.0 | 1,800.0 | 1,800.0 | 1,800.0 | 3.9 | 3.9 | -90.01 | 0.0 | -120.5 | 120.5 | 112.6 | 7.87 | 15.317 | | |
| 1,900.0 | 1,900.0 | 1,900.0 | 1,900.0 | 4.2 | 4.2 | -90.01 | 0.0 | -120.5 | 120.5 | 112.2 | 8.32 | 14.489 | | |
| 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | 4.4 | 4.4 | -90.01 | 0.0 | -120.5 | 120.5 | 111.7 | 8.77 | 13.746 | | |
| 2,100.0 | 2,100.0 | 2,100.0 | 2,100.0 | 4.6 | 4.6 | -90.01 | 0.0 | -120.5 | 120.5 | 111.3 | 9.22 | 13.075 | | |
| 2,200.0 | 2,200.0 | 2,200.0 | 2,200.0 | 4.8 | 4.8 | -90.01 | 0.0 | -120.5 | 120.5 | 110.8 | 9.66 | 12.467 | | |
| 2,300.0 | 2,300.0 | 2,300.0 | 2,300.0 | 5.1 | 5.1 | -90.01 | 0.0 | -120.5 | 120.5 | 110.4 | 10.11 | 11.913 | | |
| 2,400.0 | 2,400.0 | 2,400.0 | 2,400.0 | 5.3 | 5.3 | -90.01 | 0.0 | -120.5 | 120.5 | 109.9 | 10.56 | 11.406 | | |
| 2,500.0 | 2,500.0 | 2,500.0 | 2,500.0 | 5.5 | 5.5 | -90.01 | 0.0 | -120.5 | 120.5 | 109.5 | 11.01 | 10.941 | | |
| 2,600.0 | 2,600.0 | 2,600.0 | 2,600.0 | 5.7 | 5.7 | -90.01 | 0.0 | -120.5 | 120.5 | 109.0 | 11.46 | 10.512 | | |
| 2,700.0 | 2,700.0 | 2,700.0 | 2,700.0 | 6.0 | 6.0 | -90.01 | 0.0 | -120.5 | 120.5 | 108.6 | 11.91 | 10.115 | | |
| 2,800.0 | 2,800.0 | 2,800.0 | 2,800.0 | 6.2 | 6.2 | -90.01 | 0.0 | -120.5 | 120.5 | 108.1 | 12.36 | 9.747 | | |
| 2,900.0 | 2,900.0 | 2,900.0 | 2,900.0 | 6.4 | 6.4 | -90.01 | 0.0 | -120.5 | 120.5 | 107.7 | 12.81 | 9.405 | | |
| 3,000.0 | 3,000.0 | 3,000.0 | 3,000.0 | 6.6 | 6.6 | -90.01 | 0.0 | -120.5 | 120.5 | 107.2 | 13.26 | 9.086 | | |
| 3,100.0 | 3,100.0 | 3,100.0 | 3,100.0 | 6.9 | 6.9 | -90.01 | 0.0 | -120.5 | 120.5 | 106.8 | 13.71 | 8.788 | | |
| 3,200.0 | 3,200.0 | 3,200.0 | 3,200.0 | 7.1 | 7.1 | -90.01 | 0.0 | -120.5 | 120.5 | 106.3 | 14.16 | 8.509 | | |
| 3,300.0 | 3,300.0 | 3,300.0 | 3,300.0 | 7.3 | 7.3 | -90.01 | 0.0 | -120.5 | 120.5 | 105.9 | 14.61 | 8.248 | | |
| 3,400.0 | 3,400.0 | 3,400.0 | 3,400.0 | 7.5 | 7.5 | -90.01 | 0.0 | -120.5 | 120.5 | 105.4 | 15.06 | 8.001 | | |
| 3,500.0 | 3,500.0 | 3,500.0 | 3,500.0 | 7.8 | 7.8 | -90.01 | 0.0 | -120.5 | 120.5 | 105.0 | 15.51 | 7.769 | | |
| 3,600.0 | 3,600.0 | 3,600.0 | 3,600.0 | 8.0 | 8.0 | -90.01 | 0.0 | -120.5 | 120.5 | 104.5 | 15.96 | 7.551 | | |
| 3,700.0 | 3,700.0 | 3,700.0 | 3,700.0 | 8.2 | 8.2 | -90.01 | 0.0 | -120.5 | 120.5 | 104.1 | 16.41 | 7.344 | | |
| 3,800.0 | 3,800.0 | 3,800.0 | 3,800.0 | 8.4 | 8.4 | -90.01 | 0.0 | -120.5 | 120.5 | 103.6 | 16.86 | 7.148 | | |
| 3,900.0 | 3,900.0 | 3,900.0 | 3,900.0 | 8.7 | 8.7 | -90.01 | 0.0 | -120.5 | 120.5 | 103.2 | 17.31 | 6.962 CC, ES | | |
| 4,000.0 | 4,000.0 | 4,000.0 | 4,000.0 | 8.9 | 8.9 | -103.66 | 0.0 | -120.5 | 121.1 | 103.3 | 17.75 | 6.821 | | |
| 4,100.0 | 4,099.6 | 4,099.6 | 4,099.6 | 9.1 | 9.1 | -107.13 | 0.0 | -120.5 | 123.2 | 105.0 | 18.19 | 6.771 | | |
| 4,200.0 | 4,198.8 | 4,198.8 | 4,198.8 | 9.3 | 9.3 | -112.57 | 0.0 | -120.5 | 127.7 | 109.0 | 18.61 | 6.858 | | |
| 4,300.0 | 4,297.1 | 4,297.1 | 4,297.1 | 9.6 | 9.5 | -119.39 | 0.0 | -120.5 | 135.8 | 116.8 | 19.01 | 7.142 | | |
| 4,400.0 | 4,394.3 | 4,395.3 | 4,395.2 | 9.8 | 9.8 | -125.96 | 2.2 | -121.2 | 148.5 | 129.1 | 19.36 | 7.669 | | |
| 4,500.0 | 4,490.2 | 4,494.1 | 4,493.8 | 10.1 | 10.0 | -131.02 | 9.4 | -123.4 | 165.3 | 145.7 | 19.68 | 8.403 | | |
| 4,600.0 | 4,584.4 | 4,593.6 | 4,592.4 | 10.4 | 10.2 | -134.66 | 21.5 | -127.2 | 185.6 | 165.6 | 19.97 | 9.292 | | |
| 4,700.0 | 4,676.8 | 4,693.6 | 4,690.8 | 10.7 | 10.4 | -137.11 | 38.5 | -132.6 | 208.6 | 188.4 | 20.27 | 10.294 | | |
| 4,800.0 | 4,767.1 | 4,794.0 | 4,788.5 | 11.2 | 10.7 | -138.60 | 60.6 | -139.5 | 234.1 | 213.5 | 20.58 | 11.373 | | |
| 4,900.0 | 4,854.9 | 4,894.8 | 4,885.2 | 11.7 | 11.0 | -139.35 | 87.7 | -147.9 | 261.7 | 240.7 | 20.94 | 12.494 | | |
| 5,000.0 | 4,941.5 | 4,996.5 | 4,981.2 | 12.2 | 11.3 | -139.76 | 119.8 | -158.0 | 289.3 | 267.7 | 21.62 | 13.385 | | |
| 5,100.0 | 5,028.1 | 5,099.3 | 5,076.2 | 12.9 | 11.6 | -139.16 | 157.3 | -169.7 | 315.0 | 292.6 | 22.43 | 14.046 | | |
| 5,200.0 | 5,114.7 | 5,202.6 | 5,169.4 | 13.5 | 12.1 | -137.74 | 199.8 | -183.0 | 338.8 | 315.4 | 23.39 | 14.484 | | |
| 5,300.0 | 5,201.3 | 5,305.8 | 5,259.9 | 14.2 | 12.6 | -135.68 | 246.9 | -197.7 | 361.1 | 336.6 | 24.53 | 14.721 | | |
| 5,400.0 | 5,287.9 | 5,402.9 | 5,343.7 | 14.9 | 13.1 | -133.53 | 293.8 | -212.4 | 382.8 | 357.1 | 25.77 | 14.858 | | |
| 5,500.0 | 5,374.5 | 5,499.5 | 5,427.1 | 15.7 | 13.7 | -131.63 | 340.5 | -227.0 | 405.0 | 378.0 | 27.08 | 14.959 | | |
| 5,600.0 | 5,461.1 | 5,596.2 | 5,510.4 | 16.4 | 14.4 | -129.92 | 387.1 | -241.6 | 427.6 | 399.2 | 28.45 | 15.029 | | |
| 5,700.0 | 5,547.7 | 5,692.8 | 5,593.8 | 17.2 | 15.1 | -128.38 | 433.8 | -256.2 | 450.5 | 420.6 | 29.89 | 15.074 | | |
| 5,800.0 | 5,634.3 | 5,789.5 | 5,677.2 | 18.0 | 15.8 | -126.98 | 480.4 | -270.8 | 473.7 | 442.4 | 31.37 | 15.100 | | |
| 5,900.0 | 5,720.9 | 5,886.1 | 5,760.6 | 18.8 | 16.5 | -125.72 | 527.1 | -285.3 | 497.2 | 464.3 | 32.90 | 15.112 | | |
| 6,000.0 | 5,807.5 | 5,982.8 | 5,843.9 | 19.7 | 17.3 | -124.57 | 573.7 | -299.9 | 520.8 | 486.4 | 34.46 | 15.112 | | |
| 6,100.0 | 5,894.1 | 6,079.4 | 5,927.3 | 20.5 | 18.0 | -123.52 | 620.4 | -314.5 | 544.7 | 508.6 | 36.06 | 15.105 | | |
| 6,200.0 | 5,980.7 | 6,176.1 | 6,010.7 | 21.4 | 18.8 | -122.56 | 667.0 | -329.1 | 568.7 | 531.0 | 37.68 | 15.091 | | |
| 6,300.0 | 6,067.3 | 6,272.7 | 6,094.1 | 22.2 | 19.6 | -121.67 | 713.7 | -343.7 | 592.8 | 553.5 | 39.33 | 15.073 | | |
| 6,400.0 | 6,153.9 | 6,369.4 | 6,177.4 | 23.1 | 20.5 | -120.86 | 760.3 | -358.3 | 617.1 | 576.1 | 41.00 | 15.051 | | |
| 6,500.0 | 6,240.5 | 6,466.0 | 6,260.8 | 24.0 | 21.3 | -120.10 | 807.0 | -372.9 | 641.4 | 598.7 | 42.68 | 15.028 | | |
| 6,600.0 | 6,327.1 | 6,594.5 | 6,322.6 | 24.9 | 21.1 | -119.81 | 1,182.8 | -237.7 | 604.3 | 567.6 | 36.71 | 16.464 | | |
| 6,700.0 | 6,413.6 | 7,705.7 | 6,922.6 | 25.7 | 27.2 | -176.71 | 1,182.8 | 248.9 | 511.8 | 474.6 | 37.18 | 13.766 | | |
| 6,800.0 | 6,500.2 | 7,716.9 | 6,922.6 | 26.6 | 27.3 | -179.68 | 1,182.9 | 260.0 | 422.4 | 384.6 | 37.78 | 11.181 | | |
| 6,900.0 | 6,587.2 | 7,717.9 | 6,922.6 | 27.4 | 27.3 | -177.49 | 1,182.9 | 261.1 | 338.3 | 297.5 | 40.80 | 8.292 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-21-13) | | | | | | | | | | | Offset Site Error: 0.0 ft | | |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|---------------------------|----------|-------------------|
| Survey Program: 0-MWD | | | | | | | | | | | Offset Well Error: 0.0 ft | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor |
| 7,000.0 | 6,672.0 | 7,696.5 | 6,922.6 | 28.1 | 27.1 | -165.63 | 1,182.8 | 239.7 | 266.9 | 225.3 | 41.52 | 6.428 | |
| 7,100.0 | 6,750.4 | 7,653.7 | 6,922.6 | 28.7 | 26.9 | -149.16 | 1,182.4 | 196.9 | 219.6 | 179.9 | 39.62 | 5.542 | |
| 7,200.0 | 6,818.4 | 7,591.8 | 6,922.6 | 29.2 | 26.6 | -129.72 | 1,182.0 | 135.0 | 203.6 | 165.4 | 38.28 | 5.319 | |
| 7,205.3 | 6,821.6 | 7,588.0 | 6,922.6 | 29.2 | 26.6 | -128.65 | 1,181.9 | 131.2 | 203.6 | 165.3 | 38.28 | 5.318 SF | |
| 7,300.0 | 6,872.5 | 7,513.8 | 6,922.6 | 29.6 | 26.4 | -110.34 | 1,181.4 | 57.0 | 211.9 | 173.3 | 38.63 | 5.487 | |
| 7,400.0 | 6,909.8 | 7,434.3 | 6,920.6 | 29.9 | 26.3 | -96.24 | 1,179.7 | -22.5 | 229.1 | 190.7 | 38.41 | 5.965 | |
| 7,500.0 | 6,928.5 | 7,362.4 | 6,909.1 | 30.2 | 26.2 | -86.55 | 1,172.7 | -93.0 | 249.8 | 212.6 | 37.23 | 6.709 | |
| 7,600.0 | 6,930.6 | 7,294.0 | 6,889.1 | 30.5 | 26.1 | -80.89 | 1,161.0 | -157.2 | 272.5 | 235.9 | 36.53 | 7.459 | |
| 7,700.0 | 6,930.6 | 7,233.6 | 6,864.4 | 30.9 | 26.0 | -76.36 | 1,146.7 | -210.5 | 305.9 | 269.3 | 36.65 | 8.347 | |
| 7,800.0 | 6,930.6 | 7,181.9 | 6,838.3 | 31.6 | 25.9 | -72.23 | 1,131.8 | -252.5 | 351.4 | 314.3 | 37.08 | 9.477 | |
| 7,900.0 | 6,930.6 | 7,138.5 | 6,813.2 | 32.6 | 25.8 | -68.77 | 1,117.5 | -284.9 | 407.3 | 369.5 | 37.80 | 10.775 | |
| 8,000.0 | 6,930.6 | 7,100.0 | 6,788.8 | 33.8 | 25.7 | -65.83 | 1,103.6 | -311.1 | 471.9 | 433.1 | 38.74 | 12.180 | |
| 8,100.0 | 6,930.6 | 7,075.0 | 6,771.9 | 35.3 | 25.6 | -64.01 | 1,094.0 | -326.8 | 543.2 | 503.1 | 40.11 | 13.544 | |
| 8,200.0 | 6,930.6 | 7,050.0 | 6,754.2 | 37.0 | 25.5 | -62.27 | 1,083.9 | -341.3 | 619.7 | 578.2 | 41.52 | 14.927 | |
| 8,300.0 | 6,930.6 | 7,025.0 | 6,735.8 | 38.9 | 25.4 | -60.62 | 1,073.5 | -354.7 | 700.3 | 657.3 | 42.96 | 16.302 | |
| 8,400.0 | 6,930.6 | 7,000.0 | 6,716.8 | 40.9 | 25.3 | -59.06 | 1,062.8 | -366.9 | 784.0 | 739.6 | 44.41 | 17.654 | |
| 8,500.0 | 6,930.6 | 6,988.8 | 6,708.1 | 43.1 | 25.2 | -58.39 | 1,057.8 | -371.9 | 870.2 | 823.9 | 46.27 | 18.807 | |
| 8,600.0 | 6,930.6 | 6,975.0 | 6,697.2 | 45.3 | 25.2 | -57.60 | 1,051.7 | -377.8 | 958.4 | 910.4 | 48.06 | 19.941 | |

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 92.12 | -1.1 | 29.5 | 29.5 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 92.12 | -1.1 | 29.5 | 29.5 | 29.3 | 0.22 | 131.327 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 92.12 | -1.1 | 29.5 | 29.5 | 28.8 | 0.67 | 43.776 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 92.12 | -1.1 | 29.5 | 29.5 | 28.4 | 1.12 | 26.265 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | 92.12 | -1.1 | 29.5 | 29.5 | 27.9 | 1.57 | 18.761 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | 92.12 | -1.1 | 29.5 | 29.5 | 27.5 | 2.02 | 14.592 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | 92.12 | -1.1 | 29.5 | 29.5 | 27.0 | 2.47 | 11.939 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | 92.12 | -1.1 | 29.5 | 29.5 | 26.6 | 2.92 | 10.102 | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | 92.12 | -1.1 | 29.5 | 29.5 | 26.1 | 3.37 | 8.755 | | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | 92.12 | -1.1 | 29.5 | 29.5 | 25.7 | 3.82 | 7.725 | | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | 92.12 | -1.1 | 29.5 | 29.5 | 25.2 | 4.27 | 6.912 | | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | 92.12 | -1.1 | 29.5 | 29.5 | 24.8 | 4.72 | 6.254 | | |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | 92.12 | -1.1 | 29.5 | 29.5 | 24.3 | 5.17 | 5.710 | | |
| 1,300.0 | 1,300.0 | 1,300.0 | 1,300.0 | 2.8 | 2.8 | 92.12 | -1.1 | 29.5 | 29.5 | 23.9 | 5.62 | 5.253 | | |
| 1,400.0 | 1,400.0 | 1,400.0 | 1,400.0 | 3.0 | 3.0 | 92.12 | -1.1 | 29.5 | 29.5 | 23.4 | 6.07 | 4.864 | | |
| 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | 3.3 | 3.3 | 92.12 | -1.1 | 29.5 | 29.5 | 23.0 | 6.52 | 4.529 | | |
| 1,600.0 | 1,600.0 | 1,600.0 | 1,600.0 | 3.5 | 3.5 | 92.12 | -1.1 | 29.5 | 29.5 | 22.6 | 6.97 | 4.236 | | |
| 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | 3.7 | 3.7 | 92.12 | -1.1 | 29.5 | 29.5 | 22.1 | 7.42 | 3.980 | | |
| 1,800.0 | 1,800.0 | 1,800.0 | 1,800.0 | 3.9 | 3.9 | 92.12 | -1.1 | 29.5 | 29.5 | 21.7 | 7.87 | 3.752 | | |
| 1,900.0 | 1,900.0 | 1,900.0 | 1,900.0 | 4.2 | 4.2 | 92.12 | -1.1 | 29.5 | 29.5 | 21.2 | 8.32 | 3.549 | | |
| 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | 4.4 | 4.4 | 92.12 | -1.1 | 29.5 | 29.5 | 20.8 | 8.77 | 3.367 | | |
| 2,100.0 | 2,100.0 | 2,100.0 | 2,100.0 | 4.6 | 4.6 | 92.12 | -1.1 | 29.5 | 29.5 | 20.3 | 9.22 | 3.203 | | |
| 2,200.0 | 2,200.0 | 2,200.0 | 2,200.0 | 4.8 | 4.8 | 92.12 | -1.1 | 29.5 | 29.5 | 19.9 | 9.66 | 3.054 | | |
| 2,300.0 | 2,300.0 | 2,300.0 | 2,300.0 | 5.1 | 5.1 | 92.12 | -1.1 | 29.5 | 29.5 | 19.4 | 10.11 | 2.918 | | |
| 2,400.0 | 2,400.0 | 2,400.0 | 2,400.0 | 5.3 | 5.3 | 92.12 | -1.1 | 29.5 | 29.5 | 19.0 | 10.56 | 2.794 | | |
| 2,500.0 | 2,500.0 | 2,500.0 | 2,500.0 | 5.5 | 5.5 | 92.12 | -1.1 | 29.5 | 29.5 | 18.5 | 11.01 | 2.680 | | |
| 2,600.0 | 2,600.0 | 2,600.0 | 2,600.0 | 5.7 | 5.7 | 92.12 | -1.1 | 29.5 | 29.5 | 18.1 | 11.46 | 2.575 | | |
| 2,700.0 | 2,700.0 | 2,700.0 | 2,700.0 | 6.0 | 6.0 | 92.12 | -1.1 | 29.5 | 29.5 | 17.6 | 11.91 | 2.478 | | |
| 2,800.0 | 2,800.0 | 2,800.0 | 2,800.0 | 6.2 | 6.2 | 92.12 | -1.1 | 29.5 | 29.5 | 17.2 | 12.36 | 2.388 | | |
| 2,900.0 | 2,900.0 | 2,900.0 | 2,900.0 | 6.4 | 6.4 | 92.12 | -1.1 | 29.5 | 29.5 | 16.7 | 12.81 | 2.304 CC | | |
| 3,000.0 | 3,000.0 | 2,999.8 | 2,999.7 | 6.6 | 6.6 | 87.14 | 1.5 | 29.8 | 29.9 | 16.6 | 13.26 | 2.252 ES | | |
| 3,100.0 | 3,100.0 | 3,099.0 | 3,098.6 | 6.9 | 6.9 | 73.39 | 9.2 | 30.8 | 32.2 | 18.5 | 13.71 | 2.346 | | |
| 3,200.0 | 3,200.0 | 3,197.2 | 3,196.0 | 7.1 | 7.1 | 56.04 | 21.8 | 32.4 | 39.2 | 25.1 | 14.15 | 2.772 | | |
| 3,300.0 | 3,300.0 | 3,293.8 | 3,291.0 | 7.3 | 7.3 | 41.49 | 39.0 | 34.5 | 52.9 | 38.3 | 14.60 | 3.623 | | |
| 3,400.0 | 3,400.0 | 3,388.4 | 3,383.1 | 7.5 | 7.5 | 31.60 | 60.5 | 37.2 | 73.1 | 58.0 | 15.05 | 4.855 | | |
| 3,500.0 | 3,500.0 | 3,480.6 | 3,471.7 | 7.8 | 7.8 | 25.22 | 85.8 | 40.4 | 99.0 | 83.5 | 15.48 | 6.393 | | |
| 3,600.0 | 3,600.0 | 3,570.1 | 3,556.5 | 8.0 | 8.1 | 21.04 | 114.4 | 44.0 | 130.0 | 114.1 | 15.91 | 8.171 | | |
| 3,700.0 | 3,700.0 | 3,656.7 | 3,637.0 | 8.2 | 8.4 | 18.21 | 145.7 | 47.9 | 165.8 | 149.5 | 16.34 | 10.145 | | |
| 3,800.0 | 3,800.0 | 3,740.1 | 3,713.2 | 8.4 | 8.8 | 16.22 | 179.3 | 52.1 | 205.9 | 189.1 | 16.77 | 12.279 | | |
| 3,900.0 | 3,900.0 | 3,820.2 | 3,785.0 | 8.7 | 9.2 | 14.77 | 214.6 | 56.6 | 250.0 | 232.8 | 17.19 | 14.545 | | |
| 4,000.0 | 4,000.0 | 3,900.0 | 3,854.9 | 8.9 | 9.7 | 1.17 | 252.8 | 61.4 | 295.5 | 277.9 | 17.61 | 16.785 | | |
| 4,100.0 | 4,099.6 | 3,982.3 | 3,925.7 | 9.1 | 10.2 | 0.29 | 294.6 | 66.6 | 339.5 | 321.5 | 18.00 | 18.862 | | |
| 4,200.0 | 4,198.8 | 4,074.0 | 4,004.3 | 9.3 | 10.8 | -0.46 | 341.4 | 72.5 | 379.1 | 360.7 | 18.38 | 20.627 | | |
| 4,300.0 | 4,297.1 | 4,167.7 | 4,084.6 | 9.6 | 11.5 | -1.06 | 389.1 | 78.5 | 413.9 | 395.2 | 18.74 | 22.084 | | |
| 4,400.0 | 4,394.3 | 4,263.0 | 4,166.4 | 9.8 | 12.3 | -1.58 | 437.8 | 84.6 | 443.8 | 424.7 | 19.09 | 23.252 | | |
| 4,500.0 | 4,490.2 | 4,359.8 | 4,249.4 | 10.1 | 13.0 | -2.05 | 487.2 | 90.8 | 468.7 | 449.3 | 19.41 | 24.145 | | |
| 4,600.0 | 4,584.4 | 4,457.7 | 4,333.4 | 10.4 | 13.8 | -2.50 | 537.1 | 97.1 | 488.6 | 468.8 | 19.72 | 24.776 | | |
| 4,700.0 | 4,676.8 | 4,556.5 | 4,418.1 | 10.7 | 14.7 | -2.95 | 587.5 | 103.4 | 503.3 | 483.3 | 20.00 | 25.157 | | |
| 4,800.0 | 4,767.1 | 4,655.9 | 4,503.4 | 11.2 | 15.5 | -3.41 | 638.3 | 109.8 | 512.8 | 492.5 | 20.27 | 25.298 | | |
| 4,900.0 | 4,854.9 | 4,755.7 | 4,589.0 | 11.7 | 16.4 | -3.90 | 689.2 | 116.2 | 517.2 | 496.7 | 20.52 | 25.206 | | |
| 5,000.0 | 4,941.5 | 4,855.6 | 4,674.6 | 12.2 | 17.3 | -4.41 | 740.2 | 122.6 | 519.0 | 497.8 | 21.14 | 24.549 | | |
| 5,100.0 | 5,028.1 | 4,955.5 | 4,760.3 | 12.9 | 18.1 | -4.92 | 791.1 | 129.0 | 520.8 | 499.0 | 21.78 | 23.910 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWID | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,200.0 | 5,114.7 | 5,055.4 | 4,846.0 | 13.5 | 19.1 | -5.42 | 842.1 | 135.4 | 522.7 | 500.2 | 22.44 | 23.291 | | |
| 5,300.0 | 5,201.3 | 5,155.2 | 4,931.6 | 14.2 | 20.0 | -5.92 | 893.1 | 141.8 | 524.6 | 501.5 | 23.12 | 22.692 | | |
| 5,400.0 | 5,287.9 | 5,255.1 | 5,017.3 | 14.9 | 20.9 | -6.42 | 944.0 | 148.2 | 526.6 | 502.7 | 23.81 | 22.113 | | |
| 5,500.0 | 5,374.5 | 5,355.0 | 5,102.9 | 15.7 | 21.8 | -6.91 | 995.0 | 154.6 | 528.6 | 504.0 | 24.52 | 21.555 | | |
| 5,600.0 | 5,461.1 | 5,454.9 | 5,188.6 | 16.4 | 22.7 | -7.40 | 1,045.9 | 161.0 | 530.6 | 505.3 | 25.25 | 21.015 | | |
| 5,700.0 | 5,547.7 | 5,554.8 | 5,274.2 | 17.2 | 23.7 | -7.89 | 1,096.9 | 167.4 | 532.7 | 506.7 | 25.99 | 20.494 | | |
| 5,800.0 | 5,634.3 | 5,654.6 | 5,359.9 | 18.0 | 24.6 | -8.37 | 1,147.9 | 173.8 | 534.8 | 508.0 | 26.75 | 19.992 | | |
| 5,900.0 | 5,720.9 | 5,754.5 | 5,445.6 | 18.8 | 25.5 | -8.85 | 1,198.8 | 180.2 | 536.9 | 509.4 | 27.52 | 19.507 | | |
| 6,000.0 | 5,807.5 | 5,854.4 | 5,531.2 | 19.7 | 26.5 | -9.32 | 1,249.8 | 186.5 | 539.1 | 510.8 | 28.31 | 19.040 | | |
| 6,100.0 | 5,894.1 | 5,954.3 | 5,616.9 | 20.5 | 27.4 | -9.79 | 1,300.8 | 192.9 | 541.3 | 512.2 | 29.12 | 18.589 | | |
| 6,200.0 | 5,980.7 | 6,054.1 | 5,702.5 | 21.4 | 28.4 | -10.26 | 1,351.7 | 199.3 | 543.6 | 513.6 | 29.94 | 18.154 | | |
| 6,300.0 | 6,067.3 | 6,154.0 | 5,788.2 | 22.2 | 29.3 | -10.72 | 1,402.7 | 205.7 | 545.9 | 515.1 | 30.78 | 17.734 | | |
| 6,400.0 | 6,153.9 | 6,253.9 | 5,873.8 | 23.1 | 30.3 | -11.18 | 1,453.6 | 212.1 | 548.2 | 516.6 | 31.63 | 17.329 | | |
| 6,500.0 | 6,240.5 | 6,353.8 | 5,959.5 | 24.0 | 31.2 | -11.64 | 1,504.6 | 218.5 | 550.6 | 518.1 | 32.50 | 16.938 | | |
| 6,600.0 | 6,327.1 | 6,453.6 | 6,045.2 | 24.9 | 32.2 | -12.09 | 1,555.6 | 224.9 | 553.0 | 519.6 | 33.39 | 16.560 | | |
| 6,700.0 | 6,413.6 | 6,553.5 | 6,130.8 | 25.7 | 33.2 | -12.54 | 1,606.5 | 231.3 | 555.4 | 521.1 | 34.29 | 16.195 | | |
| 6,800.0 | 6,500.2 | 6,653.4 | 6,216.5 | 26.6 | 34.1 | -12.98 | 1,657.5 | 237.7 | 557.8 | 522.6 | 35.21 | 15.843 | | |
| 6,900.0 | 6,587.2 | 6,753.0 | 6,301.9 | 27.4 | 35.1 | 8.84 | 1,708.3 | 244.1 | 560.0 | 524.1 | 35.85 | 15.619 | | |
| 7,000.0 | 6,672.0 | 6,848.8 | 6,384.0 | 28.1 | 36.0 | 30.76 | 1,757.2 | 250.3 | 562.1 | 526.0 | 36.12 | 15.562 | | |
| 7,100.0 | 6,750.4 | 6,935.8 | 6,458.7 | 28.7 | 36.8 | 47.56 | 1,801.6 | 255.8 | 567.4 | 530.8 | 36.58 | 15.511 | | |
| 7,200.0 | 6,818.4 | 7,009.6 | 6,522.0 | 29.2 | 37.6 | 59.01 | 1,839.3 | 260.6 | 580.2 | 542.9 | 37.34 | 15.539 | | |
| 7,300.0 | 6,872.5 | 7,111.0 | 6,608.8 | 29.6 | 38.4 | 68.51 | 1,890.9 | 256.8 | 603.1 | 564.7 | 38.37 | 15.719 | | |
| 7,400.0 | 6,909.8 | 7,264.8 | 6,733.5 | 29.9 | 39.6 | 77.79 | 1,965.0 | 207.7 | 632.3 | 592.9 | 39.40 | 16.049 | | |
| 7,500.0 | 6,928.5 | 7,546.1 | 6,895.8 | 30.2 | 41.1 | 87.96 | 2,061.2 | 5.5 | 658.0 | 617.8 | 40.18 | 16.377 | | |
| 7,600.0 | 6,930.6 | 7,790.6 | 6,930.6 | 30.5 | 41.8 | 90.00 | 2,081.6 | -233.1 | 662.0 | 619.1 | 42.89 | 15.433 | | |
| 7,700.0 | 6,930.6 | 7,890.6 | 6,930.6 | 30.9 | 42.1 | 90.00 | 2,081.5 | -333.1 | 662.0 | 616.2 | 45.78 | 14.459 | | |
| 7,800.0 | 6,930.6 | 7,990.6 | 6,930.6 | 31.6 | 42.5 | 90.00 | 2,081.3 | -433.1 | 662.0 | 612.8 | 49.14 | 13.470 | | |
| 7,900.0 | 6,930.6 | 8,090.6 | 6,930.6 | 32.6 | 43.1 | 90.00 | 2,081.2 | -533.1 | 661.9 | 609.1 | 52.89 | 12.516 | | |
| 8,000.0 | 6,930.6 | 8,190.6 | 6,930.6 | 33.8 | 43.8 | 90.00 | 2,081.0 | -633.1 | 661.9 | 605.0 | 56.94 | 11.626 | | |
| 8,100.0 | 6,930.6 | 8,290.6 | 6,930.6 | 35.3 | 44.7 | 90.00 | 2,080.8 | -733.1 | 661.9 | 600.7 | 61.24 | 10.809 | | |
| 8,200.0 | 6,930.6 | 8,390.6 | 6,930.6 | 37.0 | 45.8 | 90.00 | 2,080.7 | -833.1 | 661.9 | 596.2 | 65.74 | 10.070 | | |
| 8,300.0 | 6,930.6 | 8,490.6 | 6,930.6 | 38.9 | 47.0 | 90.00 | 2,080.5 | -933.1 | 661.9 | 591.5 | 70.39 | 9.403 | | |
| 8,400.0 | 6,930.6 | 8,590.6 | 6,930.6 | 40.9 | 48.4 | 90.00 | 2,080.4 | -1,033.1 | 661.9 | 586.7 | 75.18 | 8.804 | | |
| 8,500.0 | 6,930.6 | 8,690.6 | 6,930.6 | 43.1 | 50.0 | 90.00 | 2,080.2 | -1,133.1 | 661.9 | 581.8 | 80.08 | 8.266 | | |
| 8,600.0 | 6,930.6 | 8,790.6 | 6,930.6 | 45.3 | 51.7 | 90.00 | 2,080.0 | -1,233.1 | 661.9 | 576.8 | 85.07 | 7.781 | | |
| 8,700.0 | 6,930.6 | 8,890.6 | 6,930.6 | 47.7 | 53.6 | 90.00 | 2,079.9 | -1,333.1 | 661.9 | 571.8 | 90.13 | 7.344 | | |
| 8,800.0 | 6,930.6 | 8,990.6 | 6,930.6 | 50.0 | 55.5 | 90.00 | 2,079.7 | -1,433.1 | 661.9 | 566.6 | 95.25 | 6.949 | | |
| 8,900.0 | 6,930.6 | 9,090.6 | 6,930.6 | 52.5 | 57.6 | 90.00 | 2,079.6 | -1,533.1 | 661.9 | 561.5 | 100.42 | 6.591 | | |
| 9,000.0 | 6,930.6 | 9,190.6 | 6,930.6 | 55.0 | 59.7 | 90.00 | 2,079.4 | -1,633.1 | 661.9 | 556.2 | 105.64 | 6.265 | | |
| 9,100.0 | 6,930.6 | 9,290.6 | 6,930.6 | 57.5 | 62.0 | 90.00 | 2,079.3 | -1,733.1 | 661.9 | 551.0 | 110.90 | 5.968 | | |
| 9,200.0 | 6,930.6 | 9,390.6 | 6,930.6 | 60.0 | 64.3 | 90.00 | 2,079.1 | -1,833.1 | 661.9 | 545.7 | 116.19 | 5.696 | | |
| 9,300.0 | 6,930.6 | 9,490.6 | 6,930.6 | 62.6 | 66.6 | 90.00 | 2,078.9 | -1,933.1 | 661.9 | 540.4 | 121.51 | 5.447 | | |
| 9,400.0 | 6,930.6 | 9,590.6 | 6,930.6 | 65.2 | 69.0 | 90.00 | 2,078.8 | -2,033.1 | 661.9 | 535.0 | 126.86 | 5.217 | | |
| 9,500.0 | 6,930.6 | 9,690.6 | 6,930.6 | 67.8 | 71.4 | 90.00 | 2,078.6 | -2,133.1 | 661.9 | 529.6 | 132.23 | 5.005 | | |
| 9,600.0 | 6,930.6 | 9,790.6 | 6,930.6 | 70.4 | 73.9 | 90.00 | 2,078.5 | -2,233.1 | 661.9 | 524.2 | 137.62 | 4.809 | | |
| 9,700.0 | 6,930.6 | 9,890.6 | 6,930.6 | 73.0 | 76.4 | 90.00 | 2,078.3 | -2,333.1 | 661.8 | 518.8 | 143.02 | 4.628 | | |
| 9,800.0 | 6,930.6 | 9,990.6 | 6,930.6 | 75.7 | 78.9 | 90.00 | 2,078.2 | -2,433.1 | 661.8 | 513.4 | 148.44 | 4.459 | | |
| 9,900.0 | 6,930.6 | 10,090.6 | 6,930.6 | 78.3 | 81.4 | 90.00 | 2,078.0 | -2,533.1 | 661.8 | 508.0 | 153.88 | 4.301 | | |
| 10,000.0 | 6,930.6 | 10,190.6 | 6,930.6 | 81.0 | 84.0 | 90.00 | 2,077.8 | -2,633.1 | 661.8 | 502.5 | 159.33 | 4.154 | | |
| 10,100.0 | 6,930.6 | 10,290.6 | 6,930.6 | 83.7 | 86.5 | 90.00 | 2,077.7 | -2,733.1 | 661.8 | 497.0 | 164.79 | 4.016 | | |
| 10,200.0 | 6,930.6 | 10,390.6 | 6,930.6 | 86.4 | 89.1 | 90.00 | 2,077.5 | -2,833.1 | 661.8 | 491.6 | 170.26 | 3.887 | | |
| 10,300.0 | 6,930.6 | 10,490.6 | 6,930.6 | 89.1 | 91.7 | 90.00 | 2,077.4 | -2,933.1 | 661.8 | 486.1 | 175.73 | 3.766 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 10,400.0 | 6,930.6 | 10,590.6 | 6,930.6 | 91.8 | 94.4 | 90.00 | 2,077.2 | -3,033.1 | 661.8 | 480.6 | 181.22 | 3.652 | | |
| 10,500.0 | 6,930.6 | 10,690.6 | 6,930.6 | 94.5 | 97.0 | 90.00 | 2,077.0 | -3,133.1 | 661.8 | 475.1 | 186.72 | 3.544 | | |
| 10,600.0 | 6,930.6 | 10,790.6 | 6,930.6 | 97.2 | 99.6 | 90.00 | 2,076.9 | -3,233.1 | 661.8 | 469.6 | 192.22 | 3.443 | | |
| 10,700.0 | 6,930.6 | 10,890.6 | 6,930.6 | 99.9 | 102.3 | 90.00 | 2,076.7 | -3,333.1 | 661.8 | 464.1 | 197.73 | 3.347 | | |
| 10,800.0 | 6,930.6 | 10,990.6 | 6,930.6 | 102.7 | 105.0 | 90.00 | 2,076.6 | -3,433.1 | 661.8 | 458.5 | 203.24 | 3.256 | | |
| 10,900.0 | 6,930.6 | 11,090.6 | 6,930.6 | 105.4 | 107.6 | 90.00 | 2,076.4 | -3,533.1 | 661.8 | 453.0 | 208.76 | 3.170 | | |
| 11,000.0 | 6,930.6 | 11,190.6 | 6,930.6 | 108.1 | 110.3 | 90.00 | 2,076.3 | -3,633.1 | 661.8 | 447.5 | 214.28 | 3.088 | | |
| 11,100.0 | 6,930.6 | 11,290.6 | 6,930.6 | 110.9 | 113.0 | 90.00 | 2,076.1 | -3,733.1 | 661.8 | 442.0 | 219.81 | 3.011 | | |
| 11,200.0 | 6,930.6 | 11,390.6 | 6,930.6 | 113.6 | 115.7 | 90.00 | 2,075.9 | -3,833.1 | 661.8 | 436.4 | 225.35 | 2.937 | | |
| 11,300.0 | 6,930.6 | 11,490.6 | 6,930.6 | 116.4 | 118.4 | 90.00 | 2,075.8 | -3,933.1 | 661.8 | 430.9 | 230.88 | 2.866 | | |
| 11,400.0 | 6,930.6 | 11,590.6 | 6,930.6 | 119.1 | 121.1 | 90.00 | 2,075.6 | -4,033.1 | 661.7 | 425.3 | 236.42 | 2.799 | | |
| 11,500.0 | 6,930.6 | 11,690.6 | 6,930.6 | 121.9 | 123.8 | 90.00 | 2,075.5 | -4,133.1 | 661.7 | 419.8 | 241.97 | 2.735 | | |
| 11,600.0 | 6,930.6 | 11,790.6 | 6,930.6 | 124.6 | 126.5 | 90.00 | 2,075.3 | -4,233.1 | 661.7 | 414.2 | 247.52 | 2.674 | | |
| 11,700.0 | 6,930.6 | 11,890.6 | 6,930.6 | 127.4 | 129.2 | 90.00 | 2,075.2 | -4,333.1 | 661.7 | 408.7 | 253.07 | 2.615 | | |
| 11,800.0 | 6,930.6 | 11,990.6 | 6,930.6 | 130.1 | 131.9 | 90.00 | 2,075.0 | -4,433.1 | 661.7 | 403.1 | 258.62 | 2.559 | | |
| 11,900.0 | 6,930.6 | 12,090.6 | 6,930.6 | 132.9 | 134.7 | 90.00 | 2,074.8 | -4,533.1 | 661.7 | 397.5 | 264.18 | 2.505 | | |
| 12,000.0 | 6,930.6 | 12,190.6 | 6,930.6 | 135.6 | 137.4 | 90.00 | 2,074.7 | -4,633.1 | 661.7 | 392.0 | 269.73 | 2.453 | | |
| 12,100.0 | 6,930.6 | 12,290.6 | 6,930.6 | 138.4 | 140.1 | 90.00 | 2,074.5 | -4,733.1 | 661.7 | 386.4 | 275.30 | 2.404 | | |
| 12,200.0 | 6,930.6 | 12,390.6 | 6,930.6 | 141.2 | 142.8 | 90.00 | 2,074.4 | -4,833.1 | 661.7 | 380.8 | 280.86 | 2.356 | | |
| 12,300.0 | 6,930.6 | 12,490.6 | 6,930.6 | 143.9 | 145.6 | 90.00 | 2,074.2 | -4,933.1 | 661.7 | 375.3 | 286.42 | 2.310 | | |
| 12,400.0 | 6,930.6 | 12,590.6 | 6,930.6 | 146.7 | 148.3 | 90.00 | 2,074.1 | -5,033.1 | 661.7 | 369.7 | 291.99 | 2.266 | | |
| 12,500.0 | 6,930.6 | 12,690.6 | 6,930.6 | 149.5 | 151.1 | 90.00 | 2,073.9 | -5,133.1 | 661.7 | 364.1 | 297.56 | 2.224 | | |
| 12,600.0 | 6,930.6 | 12,790.6 | 6,930.6 | 152.2 | 153.8 | 90.00 | 2,073.7 | -5,233.1 | 661.7 | 358.6 | 303.13 | 2.183 | | |
| 12,700.0 | 6,930.6 | 12,890.6 | 6,930.6 | 155.0 | 156.6 | 90.00 | 2,073.6 | -5,333.1 | 661.7 | 353.0 | 308.70 | 2.143 | | |
| 12,800.0 | 6,930.6 | 12,990.6 | 6,930.6 | 157.8 | 159.3 | 90.00 | 2,073.4 | -5,433.1 | 661.7 | 347.4 | 314.28 | 2.105 | | |
| 12,900.0 | 6,930.6 | 13,090.6 | 6,930.6 | 160.6 | 162.1 | 90.00 | 2,073.3 | -5,533.1 | 661.7 | 341.8 | 319.85 | 2.069 | | |
| 13,000.0 | 6,930.6 | 13,190.6 | 6,930.6 | 163.3 | 164.8 | 90.00 | 2,073.1 | -5,633.1 | 661.7 | 336.2 | 325.43 | 2.033 | | |
| 13,100.0 | 6,930.6 | 13,290.6 | 6,930.6 | 166.1 | 167.6 | 90.00 | 2,072.9 | -5,733.1 | 661.7 | 330.6 | 331.01 | 1.999 | | |
| 13,200.0 | 6,930.6 | 13,390.6 | 6,930.6 | 168.9 | 170.3 | 90.00 | 2,072.8 | -5,833.1 | 661.6 | 325.1 | 336.59 | 1.966 | | |
| 13,300.0 | 6,930.6 | 13,490.6 | 6,930.6 | 171.7 | 173.1 | 90.00 | 2,072.6 | -5,933.1 | 661.6 | 319.5 | 342.17 | 1.934 | | |
| 13,400.0 | 6,930.6 | 13,590.6 | 6,930.6 | 174.5 | 175.8 | 90.00 | 2,072.5 | -6,033.1 | 661.6 | 313.9 | 347.75 | 1.903 | | |
| 13,500.0 | 6,930.6 | 13,690.6 | 6,930.6 | 177.2 | 178.6 | 90.00 | 2,072.3 | -6,133.1 | 661.6 | 308.3 | 353.33 | 1.873 | | |
| 13,600.0 | 6,930.6 | 13,790.6 | 6,930.6 | 180.0 | 181.4 | 90.00 | 2,072.2 | -6,233.1 | 661.6 | 302.7 | 358.91 | 1.843 | | |
| 13,700.0 | 6,930.6 | 13,890.6 | 6,930.6 | 182.8 | 184.1 | 90.00 | 2,072.0 | -6,333.1 | 661.6 | 297.1 | 364.50 | 1.815 | | |
| 13,800.0 | 6,930.6 | 13,990.6 | 6,930.6 | 185.6 | 186.9 | 90.00 | 2,071.8 | -6,433.1 | 661.6 | 291.5 | 370.08 | 1.788 | | |
| 13,900.0 | 6,930.6 | 14,090.6 | 6,930.6 | 188.4 | 189.7 | 90.00 | 2,071.7 | -6,533.1 | 661.6 | 285.9 | 375.67 | 1.761 | | |
| 14,000.0 | 6,930.6 | 14,190.6 | 6,930.6 | 191.2 | 192.4 | 90.00 | 2,071.5 | -6,633.1 | 661.6 | 280.3 | 381.26 | 1.735 | | |
| 14,100.0 | 6,930.6 | 14,290.6 | 6,930.6 | 193.9 | 194.3 | 90.00 | 2,071.4 | -6,733.1 | 661.6 | 275.7 | 385.95 | 1.714 | | |
| 14,115.5 | 6,930.6 | 14,306.0 | 6,930.6 | 194.4 | 194.6 | 90.00 | 2,071.3 | -6,748.5 | 661.6 | 274.9 | 386.66 | 1.711 | | |
| 14,118.0 | 6,930.6 | 14,306.0 | 6,930.6 | 194.4 | 194.6 | 90.00 | 2,071.3 | -6,748.5 | 661.6 | 274.9 | 386.73 | 1.711 SF | | |

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -90.12 | -0.1 | -30.1 | 30.1 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -90.12 | -0.1 | -30.1 | 30.1 | 29.8 | 0.22 | 133.713 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -90.12 | -0.1 | -30.1 | 30.1 | 29.4 | 0.67 | 44.571 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | -90.12 | -0.1 | -30.1 | 30.1 | 28.9 | 1.12 | 26.743 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | -90.12 | -0.1 | -30.1 | 30.1 | 28.5 | 1.57 | 19.102 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | -90.12 | -0.1 | -30.1 | 30.1 | 28.0 | 2.02 | 14.857 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | -90.12 | -0.1 | -30.1 | 30.1 | 27.6 | 2.47 | 12.156 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | -90.12 | -0.1 | -30.1 | 30.1 | 27.1 | 2.92 | 10.286 | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | -90.12 | -0.1 | -30.1 | 30.1 | 26.7 | 3.37 | 8.914 | | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | -90.12 | -0.1 | -30.1 | 30.1 | 26.2 | 3.82 | 7.865 | | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | -90.12 | -0.1 | -30.1 | 30.1 | 25.8 | 4.27 | 7.038 | | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | -90.12 | -0.1 | -30.1 | 30.1 | 25.3 | 4.72 | 6.367 | | |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | -90.12 | -0.1 | -30.1 | 30.1 | 24.9 | 5.17 | 5.814 | | |
| 1,300.0 | 1,300.0 | 1,300.0 | 1,300.0 | 2.8 | 2.8 | -90.12 | -0.1 | -30.1 | 30.1 | 24.4 | 5.62 | 5.349 | | |
| 1,400.0 | 1,400.0 | 1,400.0 | 1,400.0 | 3.0 | 3.0 | -90.12 | -0.1 | -30.1 | 30.1 | 24.0 | 6.07 | 4.952 | | |
| 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | 3.3 | 3.3 | -90.12 | -0.1 | -30.1 | 30.1 | 23.5 | 6.52 | 4.611 | | |
| 1,600.0 | 1,600.0 | 1,600.0 | 1,600.0 | 3.5 | 3.5 | -90.12 | -0.1 | -30.1 | 30.1 | 23.1 | 6.97 | 4.313 | | |
| 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | 3.7 | 3.7 | -90.12 | -0.1 | -30.1 | 30.1 | 22.6 | 7.42 | 4.052 | | |
| 1,800.0 | 1,800.0 | 1,800.0 | 1,800.0 | 3.9 | 3.9 | -90.12 | -0.1 | -30.1 | 30.1 | 22.2 | 7.87 | 3.820 | | |
| 1,900.0 | 1,900.0 | 1,900.0 | 1,900.0 | 4.2 | 4.2 | -90.12 | -0.1 | -30.1 | 30.1 | 21.7 | 8.32 | 3.614 | | |
| 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | 4.4 | 4.4 | -90.12 | -0.1 | -30.1 | 30.1 | 21.3 | 8.77 | 3.429 | | |
| 2,100.0 | 2,100.0 | 2,100.0 | 2,100.0 | 4.6 | 4.6 | -90.12 | -0.1 | -30.1 | 30.1 | 20.8 | 9.22 | 3.261 | | |
| 2,200.0 | 2,200.0 | 2,200.0 | 2,200.0 | 4.8 | 4.8 | -90.12 | -0.1 | -30.1 | 30.1 | 20.4 | 9.66 | 3.110 | | |
| 2,300.0 | 2,300.0 | 2,300.0 | 2,300.0 | 5.1 | 5.1 | -90.12 | -0.1 | -30.1 | 30.1 | 19.9 | 10.11 | 2.971 | | |
| 2,400.0 | 2,400.0 | 2,400.0 | 2,400.0 | 5.3 | 5.3 | -90.12 | -0.1 | -30.1 | 30.1 | 19.5 | 10.56 | 2.845 | | |
| 2,500.0 | 2,500.0 | 2,500.0 | 2,500.0 | 5.5 | 5.5 | -90.12 | -0.1 | -30.1 | 30.1 | 19.0 | 11.01 | 2.729 | | |
| 2,600.0 | 2,600.0 | 2,600.0 | 2,600.0 | 5.7 | 5.7 | -90.12 | -0.1 | -30.1 | 30.1 | 18.6 | 11.46 | 2.622 | | |
| 2,700.0 | 2,700.0 | 2,700.0 | 2,700.0 | 6.0 | 6.0 | -90.12 | -0.1 | -30.1 | 30.1 | 18.1 | 11.91 | 2.523 | | |
| 2,800.0 | 2,800.0 | 2,800.0 | 2,800.0 | 6.2 | 6.2 | -90.12 | -0.1 | -30.1 | 30.1 | 17.7 | 12.36 | 2.431 | | |
| 2,900.0 | 2,900.0 | 2,900.0 | 2,900.0 | 6.4 | 6.4 | -90.12 | -0.1 | -30.1 | 30.1 | 17.2 | 12.81 | 2.346 | | |
| 3,000.0 | 3,000.0 | 3,000.0 | 3,000.0 | 6.6 | 6.6 | -90.12 | -0.1 | -30.1 | 30.1 | 16.8 | 13.26 | 2.266 | | |
| 3,100.0 | 3,100.0 | 3,100.0 | 3,100.0 | 6.9 | 6.9 | -90.12 | -0.1 | -30.1 | 30.1 | 16.3 | 13.71 | 2.192 | | |
| 3,200.0 | 3,200.0 | 3,200.0 | 3,200.0 | 7.1 | 7.1 | -90.12 | -0.1 | -30.1 | 30.1 | 15.9 | 14.16 | 2.122 | | |
| 3,300.0 | 3,300.0 | 3,300.0 | 3,300.0 | 7.3 | 7.3 | -90.12 | -0.1 | -30.1 | 30.1 | 15.4 | 14.61 | 2.057 | | |
| 3,400.0 | 3,400.0 | 3,400.0 | 3,400.0 | 7.5 | 7.5 | -90.12 | -0.1 | -30.1 | 30.1 | 15.0 | 15.06 | 1.996 | | |
| 3,500.0 | 3,500.0 | 3,500.0 | 3,500.0 | 7.8 | 7.8 | -90.12 | -0.1 | -30.1 | 30.1 | 14.5 | 15.51 | 1.938 | | |
| 3,600.0 | 3,600.0 | 3,600.0 | 3,600.0 | 8.0 | 8.0 | -90.12 | -0.1 | -30.1 | 30.1 | 14.1 | 15.96 | 1.883 | | |
| 3,700.0 | 3,700.0 | 3,700.0 | 3,700.0 | 8.2 | 8.2 | -90.12 | -0.1 | -30.1 | 30.1 | 13.6 | 16.41 | 1.832 | | |
| 3,800.0 | 3,800.0 | 3,800.0 | 3,800.0 | 8.4 | 8.4 | -90.12 | -0.1 | -30.1 | 30.1 | 13.2 | 16.86 | 1.783 | | |
| 3,900.0 | 3,900.0 | 3,900.0 | 3,900.0 | 8.7 | 8.7 | -90.12 | -0.1 | -30.1 | 30.1 | 12.7 | 17.31 | 1.737 CC | | |
| 4,000.0 | 4,000.0 | 4,000.0 | 4,000.0 | 8.9 | 8.9 | -107.32 | -0.1 | -30.1 | 30.7 | 13.0 | 17.75 | 1.731 | | |
| 4,100.0 | 4,099.6 | 4,099.6 | 4,099.6 | 9.1 | 9.1 | -119.97 | -0.1 | -30.1 | 33.9 | 15.7 | 18.18 | 1.865 | | |
| 4,200.0 | 4,198.8 | 4,198.8 | 4,198.8 | 9.3 | 9.3 | -135.34 | -0.1 | -30.1 | 42.0 | 23.5 | 18.55 | 2.264 | | |
| 4,300.0 | 4,297.1 | 4,297.1 | 4,297.1 | 9.6 | 9.5 | -148.15 | -0.1 | -30.1 | 56.5 | 37.6 | 18.84 | 2.998 | | |
| 4,400.0 | 4,394.3 | 4,394.3 | 4,394.3 | 9.8 | 9.8 | -157.02 | -0.1 | -30.1 | 77.4 | 58.3 | 19.08 | 4.057 | | |
| 4,500.0 | 4,490.2 | 4,490.2 | 4,490.2 | 10.1 | 10.0 | -162.86 | -0.1 | -30.1 | 104.2 | 85.0 | 19.26 | 5.412 | | |
| 4,600.0 | 4,584.4 | 4,584.4 | 4,584.4 | 10.4 | 10.2 | -166.75 | -0.1 | -30.1 | 136.6 | 117.2 | 19.39 | 7.043 | | |
| 4,700.0 | 4,676.8 | 4,684.4 | 4,684.4 | 10.7 | 10.4 | -169.56 | 1.7 | -29.5 | 172.5 | 153.0 | 19.50 | 8.846 | | |
| 4,800.0 | 4,767.1 | 4,787.8 | 4,787.5 | 11.2 | 10.6 | -171.61 | 8.7 | -27.2 | 208.5 | 188.9 | 19.56 | 10.658 | | |
| 4,900.0 | 4,854.9 | 4,893.5 | 4,892.3 | 11.7 | 10.9 | -173.20 | 21.3 | -23.0 | 244.4 | 224.8 | 19.60 | 12.473 | | |
| 5,000.0 | 4,941.5 | 5,002.6 | 4,999.6 | 12.2 | 11.1 | -174.57 | 40.1 | -16.8 | 277.7 | 257.6 | 20.07 | 13.836 | | |
| 5,100.0 | 5,028.1 | 5,115.9 | 5,109.6 | 12.9 | 11.4 | -175.68 | 65.7 | -8.3 | 305.5 | 284.9 | 20.57 | 14.849 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 27-099HC - Wellbore #1 - Plan #1 (11-21-13) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|---------|
| Survey Program: 0-MWDD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 5,200.0 | 5,114.7 | 5,232.7 | 5,221.1 | 13.5 | 11.7 | -176.66 | 98.5 | 2.6 | 327.5 | 306.4 | 21.10 | 15.520 | |
| 5,300.0 | 5,201.3 | 5,352.3 | 5,333.0 | 14.2 | 12.1 | -177.58 | 138.8 | 15.9 | 343.5 | 321.9 | 21.66 | 15.862 | |
| 5,400.0 | 5,287.9 | 5,473.8 | 5,443.7 | 14.9 | 12.6 | -178.50 | 186.4 | 31.7 | 353.4 | 331.1 | 22.24 | 15.890 | |
| 5,500.0 | 5,374.5 | 5,596.4 | 5,551.8 | 15.7 | 13.1 | -179.46 | 241.1 | 49.8 | 356.9 | 334.1 | 22.85 | 15.623 | |
| 5,600.0 | 5,461.1 | 5,699.9 | 5,641.1 | 16.4 | 13.7 | -179.68 | 290.9 | 66.3 | 356.4 | 333.0 | 23.43 | 15.210 | |
| 5,700.0 | 5,547.7 | 5,799.8 | 5,727.2 | 17.2 | 14.2 | -178.85 | 339.0 | 82.2 | 355.9 | 331.8 | 24.03 | 14.810 | |
| 5,800.0 | 5,634.3 | 5,899.7 | 5,813.2 | 18.0 | 14.9 | -178.01 | 387.1 | 98.1 | 355.4 | 330.8 | 24.65 | 14.418 | |
| 5,900.0 | 5,720.9 | 5,999.5 | 5,899.3 | 18.8 | 15.5 | -177.17 | 435.2 | 114.0 | 355.0 | 329.7 | 25.30 | 14.035 | |
| 6,000.0 | 5,807.5 | 6,099.4 | 5,985.3 | 19.7 | 16.2 | -176.33 | 483.3 | 130.0 | 354.7 | 328.8 | 25.96 | 13.662 | |
| 6,100.0 | 5,894.1 | 6,199.3 | 6,071.4 | 20.5 | 16.9 | -175.49 | 531.4 | 145.9 | 354.5 | 327.8 | 26.66 | 13.297 | |
| 6,200.0 | 5,980.7 | 6,299.1 | 6,157.5 | 21.4 | 17.7 | -174.65 | 579.5 | 161.8 | 354.3 | 327.0 | 27.38 | 12.941 | |
| 6,300.0 | 6,067.3 | 6,399.0 | 6,243.5 | 22.2 | 18.4 | -173.80 | 627.6 | 177.7 | 354.3 | 326.1 | 28.13 | 12.593 | |
| 6,345.8 | 6,106.9 | 6,444.7 | 6,282.9 | 22.6 | 18.8 | -173.42 | 649.6 | 185.0 | 354.3 | 325.8 | 28.49 | 12.436 | |
| 6,400.0 | 6,153.9 | 6,498.9 | 6,329.6 | 23.1 | 19.2 | -172.96 | 675.6 | 193.7 | 354.3 | 325.4 | 28.91 | 12.254 | |
| 6,500.0 | 6,240.5 | 6,598.7 | 6,415.6 | 24.0 | 20.0 | -172.12 | 723.7 | 209.6 | 354.4 | 324.6 | 29.72 | 11.923 | |
| 6,600.0 | 6,327.1 | 6,698.6 | 6,501.7 | 24.9 | 20.8 | -171.28 | 771.8 | 225.5 | 354.5 | 324.0 | 30.56 | 11.601 | |
| 6,700.0 | 6,413.6 | 6,798.4 | 6,587.8 | 25.7 | 21.7 | -170.43 | 819.9 | 241.4 | 354.7 | 323.3 | 31.43 | 11.286 | |
| 6,800.0 | 6,500.2 | 6,898.3 | 6,673.8 | 26.6 | 22.5 | -169.60 | 868.0 | 257.3 | 355.1 | 322.7 | 32.34 | 10.980 | |
| 6,900.0 | 6,587.2 | 6,998.4 | 6,760.9 | 27.4 | 23.2 | -169.39 | 916.8 | 261.2 | 355.4 | 322.3 | 33.06 | 10.748 | |
| 7,000.0 | 6,672.0 | 7,099.3 | 6,847.1 | 28.1 | 23.8 | -159.39 | 965.1 | 242.3 | 355.5 | 321.9 | 33.62 | 10.575 | |
| 7,100.0 | 6,750.4 | 7,200.8 | 6,927.8 | 28.7 | 24.3 | -137.65 | 1,010.6 | 201.1 | 355.6 | 321.5 | 34.05 | 10.442 | |
| 7,200.0 | 6,818.4 | 7,303.0 | 6,998.4 | 29.2 | 24.7 | -129.87 | 1,050.5 | 139.4 | 355.4 | 321.0 | 34.49 | 10.306 | |
| 7,300.0 | 6,872.5 | 7,405.7 | 7,055.0 | 29.6 | 25.1 | -125.27 | 1,082.7 | 60.3 | 355.2 | 320.0 | 35.16 | 10.102 | |
| 7,400.0 | 6,909.8 | 7,508.7 | 7,094.2 | 29.9 | 25.3 | -122.72 | 1,105.2 | -32.1 | 354.8 | 318.5 | 36.29 | 9.776 | |
| 7,500.0 | 6,928.5 | 7,612.0 | 7,113.6 | 30.2 | 25.6 | -121.61 | 1,116.7 | -132.6 | 354.2 | 316.2 | 38.00 | 9.321 | |
| 7,600.0 | 6,930.6 | 7,713.3 | 7,115.6 | 30.5 | 26.0 | -121.55 | 1,118.4 | -233.9 | 353.6 | 313.4 | 40.20 | 8.795 | |
| 7,700.0 | 6,930.6 | 7,813.3 | 7,115.6 | 30.9 | 26.6 | -121.62 | 1,119.0 | -333.9 | 352.9 | 310.1 | 42.81 | 8.244 | |
| 7,800.0 | 6,930.6 | 7,913.3 | 7,115.6 | 31.6 | 27.6 | -121.68 | 1,119.6 | -433.9 | 352.3 | 306.5 | 45.78 | 7.695 | |
| 7,900.0 | 6,930.6 | 8,013.3 | 7,115.6 | 32.6 | 28.9 | -121.74 | 1,120.2 | -533.9 | 351.6 | 302.6 | 49.04 | 7.170 | |
| 8,000.0 | 6,930.6 | 8,113.3 | 7,115.6 | 33.8 | 30.6 | -121.81 | 1,120.8 | -633.9 | 351.0 | 298.4 | 52.55 | 6.680 | |
| 8,100.0 | 6,930.6 | 8,213.3 | 7,115.6 | 35.3 | 32.4 | -121.87 | 1,121.4 | -733.9 | 350.3 | 294.1 | 56.24 | 6.229 | |
| 8,200.0 | 6,930.6 | 8,313.3 | 7,115.6 | 37.0 | 34.5 | -121.94 | 1,122.0 | -833.9 | 349.7 | 289.6 | 60.09 | 5.820 | |
| 8,300.0 | 6,930.6 | 8,413.3 | 7,115.6 | 38.9 | 36.7 | -122.01 | 1,122.6 | -933.9 | 349.1 | 285.0 | 64.07 | 5.449 | |
| 8,400.0 | 6,930.6 | 8,513.3 | 7,115.6 | 40.9 | 39.0 | -122.07 | 1,123.2 | -1,033.8 | 348.4 | 280.3 | 68.14 | 5.113 | |
| 8,500.0 | 6,930.6 | 8,613.3 | 7,115.6 | 43.1 | 41.3 | -122.14 | 1,123.8 | -1,133.8 | 347.8 | 275.5 | 72.30 | 4.810 | |
| 8,600.0 | 6,930.6 | 8,713.3 | 7,115.6 | 45.3 | 43.7 | -122.20 | 1,124.4 | -1,233.8 | 347.2 | 270.6 | 76.53 | 4.536 | |
| 8,700.0 | 6,930.6 | 8,813.3 | 7,115.6 | 47.7 | 46.2 | -122.27 | 1,125.0 | -1,333.8 | 346.5 | 265.7 | 80.82 | 4.287 | |
| 8,800.0 | 6,930.6 | 8,913.3 | 7,115.6 | 50.0 | 48.7 | -122.34 | 1,125.6 | -1,433.8 | 345.9 | 260.7 | 85.15 | 4.062 | |
| 8,900.0 | 6,930.6 | 9,013.3 | 7,115.6 | 52.5 | 51.2 | -122.40 | 1,126.2 | -1,533.8 | 345.2 | 255.7 | 89.53 | 3.856 | |
| 9,000.0 | 6,930.6 | 9,113.3 | 7,115.6 | 55.0 | 53.8 | -122.47 | 1,126.8 | -1,633.8 | 344.6 | 250.7 | 93.93 | 3.669 | |
| 9,100.0 | 6,930.6 | 9,213.3 | 7,115.6 | 57.5 | 56.4 | -122.54 | 1,127.4 | -1,733.8 | 344.0 | 245.6 | 98.36 | 3.497 | |
| 9,200.0 | 6,930.6 | 9,313.3 | 7,115.6 | 60.0 | 59.0 | -122.61 | 1,128.0 | -1,833.8 | 343.3 | 240.5 | 102.82 | 3.339 | |
| 9,300.0 | 6,930.6 | 9,413.3 | 7,115.6 | 62.6 | 61.6 | -122.67 | 1,128.6 | -1,933.8 | 342.7 | 235.4 | 107.29 | 3.194 | |
| 9,400.0 | 6,930.6 | 9,513.3 | 7,115.6 | 65.2 | 64.2 | -122.74 | 1,129.2 | -2,033.8 | 342.1 | 230.3 | 111.78 | 3.060 | |
| 9,500.0 | 6,930.6 | 9,613.3 | 7,115.6 | 67.8 | 66.9 | -122.81 | 1,129.8 | -2,133.8 | 341.4 | 225.1 | 116.28 | 2.936 | |
| 9,600.0 | 6,930.6 | 9,713.3 | 7,115.6 | 70.4 | 69.6 | -122.88 | 1,130.4 | -2,233.8 | 340.8 | 220.0 | 120.79 | 2.821 | |
| 9,700.0 | 6,930.6 | 9,813.3 | 7,115.6 | 73.0 | 72.2 | -122.95 | 1,131.0 | -2,333.8 | 340.2 | 214.8 | 125.32 | 2.714 | |
| 9,800.0 | 6,930.6 | 9,913.3 | 7,115.6 | 75.7 | 74.9 | -123.02 | 1,131.6 | -2,433.8 | 339.5 | 209.7 | 129.84 | 2.615 | |
| 9,900.0 | 6,930.6 | 10,013.3 | 7,115.6 | 78.3 | 77.6 | -123.09 | 1,132.2 | -2,533.8 | 338.9 | 204.5 | 134.38 | 2.522 | |
| 10,000.0 | 6,930.6 | 10,113.3 | 7,115.6 | 81.0 | 80.3 | -123.16 | 1,132.8 | -2,633.8 | 338.3 | 199.3 | 138.91 | 2.435 | |
| 10,100.0 | 6,930.6 | 10,213.3 | 7,115.6 | 83.7 | 83.0 | -123.23 | 1,133.4 | -2,733.8 | 337.6 | 194.2 | 143.45 | 2.354 | |
| 10,200.0 | 6,930.6 | 10,313.3 | 7,115.6 | 86.4 | 85.7 | -123.30 | 1,134.0 | -2,833.8 | 337.0 | 189.0 | 148.00 | 2.277 | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-----------------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 10,300.0 | 6,930.6 | 10,413.3 | 7,115.6 | 89.1 | 88.5 | -123.37 | 1,134.6 | -2,933.8 | 336.4 | 183.8 | 152.54 | 2.205 | |
| 10,400.0 | 6,930.6 | 10,513.3 | 7,115.6 | 91.8 | 91.2 | -123.44 | 1,135.2 | -3,033.8 | 335.7 | 178.7 | 157.08 | 2.137 | |
| 10,500.0 | 6,930.6 | 10,613.3 | 7,115.6 | 94.5 | 93.9 | -123.51 | 1,135.8 | -3,133.8 | 335.1 | 173.5 | 161.63 | 2.073 | |
| 10,600.0 | 6,930.6 | 10,713.3 | 7,115.6 | 97.2 | 96.7 | -123.58 | 1,136.4 | -3,233.7 | 334.5 | 168.3 | 166.17 | 2.013 | |
| 10,700.0 | 6,930.6 | 10,813.3 | 7,115.6 | 99.9 | 99.4 | -123.65 | 1,137.0 | -3,333.7 | 333.8 | 163.1 | 170.71 | 1.956 | |
| 10,800.0 | 6,930.6 | 10,913.3 | 7,115.6 | 102.7 | 102.2 | -123.72 | 1,137.6 | -3,433.7 | 333.2 | 158.0 | 175.25 | 1.901 | |
| 10,900.0 | 6,930.6 | 11,013.3 | 7,115.6 | 105.4 | 104.9 | -123.80 | 1,138.3 | -3,533.7 | 332.6 | 152.8 | 179.78 | 1.850 | |
| 11,000.0 | 6,930.6 | 11,113.3 | 7,115.6 | 108.1 | 107.7 | -123.87 | 1,138.9 | -3,633.7 | 332.0 | 147.7 | 184.31 | 1.801 | |
| 11,100.0 | 6,930.6 | 11,213.2 | 7,115.6 | 110.9 | 110.4 | -123.94 | 1,139.5 | -3,733.7 | 331.3 | 142.5 | 188.84 | 1.755 | |
| 11,200.0 | 6,930.6 | 11,313.2 | 7,115.6 | 113.6 | 113.2 | -124.01 | 1,140.1 | -3,833.7 | 330.7 | 137.4 | 193.36 | 1.710 | |
| 11,300.0 | 6,930.6 | 11,413.2 | 7,115.6 | 116.4 | 115.9 | -124.09 | 1,140.7 | -3,933.7 | 330.1 | 132.2 | 197.88 | 1.668 | |
| 11,400.0 | 6,930.6 | 11,513.2 | 7,115.6 | 119.1 | 118.7 | -124.16 | 1,141.3 | -4,033.7 | 329.5 | 127.1 | 202.40 | 1.628 | |
| 11,500.0 | 6,930.6 | 11,613.2 | 7,115.6 | 121.9 | 121.5 | -124.24 | 1,141.9 | -4,133.7 | 328.8 | 121.9 | 206.91 | 1.589 | |
| 11,600.0 | 6,930.6 | 11,713.2 | 7,115.6 | 124.6 | 124.2 | -124.31 | 1,142.5 | -4,233.7 | 328.2 | 116.8 | 211.41 | 1.553 | |
| 11,700.0 | 6,930.6 | 11,813.2 | 7,115.6 | 127.4 | 127.0 | -124.38 | 1,143.1 | -4,333.7 | 327.6 | 111.7 | 215.91 | 1.517 | |
| 11,800.0 | 6,930.6 | 11,913.2 | 7,115.6 | 130.1 | 129.8 | -124.46 | 1,143.7 | -4,433.7 | 327.0 | 106.6 | 220.40 | 1.484 | Level 3 |
| 11,900.0 | 6,930.6 | 12,013.2 | 7,115.6 | 132.9 | 132.5 | -124.53 | 1,144.3 | -4,533.7 | 326.4 | 101.5 | 224.89 | 1.451 | Level 3 |
| 12,000.0 | 6,930.6 | 12,113.2 | 7,115.6 | 135.6 | 135.3 | -124.61 | 1,144.9 | -4,633.7 | 325.7 | 96.4 | 229.37 | 1.420 | Level 3 |
| 12,100.0 | 6,930.6 | 12,213.2 | 7,115.6 | 138.4 | 138.1 | -124.68 | 1,145.5 | -4,733.7 | 325.1 | 91.3 | 233.84 | 1.390 | Level 3 |
| 12,200.0 | 6,930.6 | 12,313.2 | 7,115.6 | 141.2 | 140.9 | -124.76 | 1,146.1 | -4,833.7 | 324.5 | 86.2 | 238.31 | 1.362 | Level 3 |
| 12,300.0 | 6,930.6 | 12,413.2 | 7,115.6 | 143.9 | 143.6 | -124.84 | 1,146.7 | -4,933.7 | 323.9 | 81.1 | 242.77 | 1.334 | Level 3 |
| 12,400.0 | 6,930.6 | 12,513.2 | 7,115.6 | 146.7 | 146.4 | -124.91 | 1,147.3 | -5,033.7 | 323.3 | 76.0 | 247.22 | 1.308 | Level 3 |
| 12,500.0 | 6,930.6 | 12,613.2 | 7,115.6 | 149.5 | 149.2 | -124.99 | 1,147.9 | -5,133.7 | 322.6 | 71.0 | 251.67 | 1.282 | Level 3 |
| 12,600.0 | 6,930.6 | 12,713.2 | 7,115.6 | 152.2 | 152.0 | -125.07 | 1,148.5 | -5,233.7 | 322.0 | 65.9 | 256.11 | 1.257 | Level 3 |
| 12,700.0 | 6,930.6 | 12,813.2 | 7,115.6 | 155.0 | 154.7 | -125.14 | 1,149.1 | -5,333.6 | 321.4 | 60.9 | 260.54 | 1.234 | Level 2 |
| 12,800.0 | 6,930.6 | 12,913.2 | 7,115.6 | 157.8 | 157.5 | -125.22 | 1,149.7 | -5,433.6 | 320.8 | 55.8 | 264.96 | 1.211 | Level 2 |
| 12,900.0 | 6,930.6 | 13,013.2 | 7,115.6 | 160.6 | 160.3 | -125.30 | 1,150.3 | -5,533.6 | 320.2 | 50.8 | 269.38 | 1.189 | Level 2 |
| 13,000.0 | 6,930.6 | 13,113.2 | 7,115.6 | 163.3 | 163.1 | -125.38 | 1,150.9 | -5,633.6 | 319.5 | 45.8 | 273.78 | 1.167 | Level 2 |
| 13,100.0 | 6,930.6 | 13,213.2 | 7,115.6 | 166.1 | 165.9 | -125.46 | 1,151.5 | -5,733.6 | 318.9 | 40.8 | 278.18 | 1.146 | Level 2 |
| 13,200.0 | 6,930.6 | 13,313.2 | 7,115.6 | 168.9 | 168.7 | -125.53 | 1,152.1 | -5,833.6 | 318.3 | 35.7 | 282.57 | 1.127 | Level 2 |
| 13,300.0 | 6,930.6 | 13,413.2 | 7,115.6 | 171.7 | 171.5 | -125.61 | 1,152.7 | -5,933.6 | 317.7 | 30.8 | 286.95 | 1.107 | Level 2 |
| 13,400.0 | 6,930.6 | 13,513.2 | 7,115.6 | 174.5 | 174.2 | -125.69 | 1,153.3 | -6,033.6 | 317.1 | 25.8 | 291.33 | 1.088 | Level 2 |
| 13,500.0 | 6,930.6 | 13,613.2 | 7,115.6 | 177.2 | 177.0 | -125.77 | 1,153.9 | -6,133.6 | 316.5 | 20.8 | 295.69 | 1.070 | Level 2 |
| 13,600.0 | 6,930.6 | 13,713.2 | 7,115.6 | 180.0 | 179.8 | -125.85 | 1,154.5 | -6,233.6 | 315.9 | 15.8 | 300.05 | 1.053 | Level 2 |
| 13,700.0 | 6,930.6 | 13,813.2 | 7,115.6 | 182.8 | 182.6 | -125.93 | 1,155.1 | -6,333.6 | 315.3 | 10.9 | 304.40 | 1.036 | Level 2 |
| 13,800.0 | 6,930.6 | 13,913.2 | 7,115.6 | 185.6 | 185.4 | -126.01 | 1,155.7 | -6,433.6 | 314.6 | 5.9 | 308.74 | 1.019 | Level 2 |
| 13,900.0 | 6,930.6 | 14,013.2 | 7,115.6 | 188.4 | 188.2 | -126.09 | 1,156.3 | -6,533.6 | 314.0 | 1.0 | 313.06 | 1.003 | Level 2 |
| 14,000.0 | 6,930.6 | 14,113.2 | 7,115.6 | 191.2 | 191.0 | -126.18 | 1,156.9 | -6,633.6 | 313.4 | -4.0 | 317.38 | 0.988 | Level 1 |
| 14,100.0 | 6,930.6 | 14,213.2 | 7,115.6 | 193.9 | 193.8 | -126.26 | 1,157.5 | -6,733.6 | 312.8 | -8.9 | 321.69 | 0.972 | Level 1 |
| 14,118.0 | 6,930.6 | 14,230.6 | 7,115.6 | 194.4 | 194.3 | -126.27 | 1,157.6 | -6,751.0 | 312.7 | -9.7 | 322.46 | 0.970 | Level 1, ES, SF |

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -90.00 | 0.0 | -60.4 | 60.4 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -90.00 | 0.0 | -60.4 | 60.4 | 60.2 | 0.22 | 268.664 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -90.00 | 0.0 | -60.4 | 60.4 | 59.7 | 0.67 | 89.555 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | -90.00 | 0.0 | -60.4 | 60.4 | 59.3 | 1.12 | 53.733 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | -90.00 | 0.0 | -60.4 | 60.4 | 58.8 | 1.57 | 38.381 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | -90.00 | 0.0 | -60.4 | 60.4 | 58.4 | 2.02 | 29.852 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | -90.00 | 0.0 | -60.4 | 60.4 | 57.9 | 2.47 | 24.424 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | -90.00 | 0.0 | -60.4 | 60.4 | 57.5 | 2.92 | 20.666 | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | -90.00 | 0.0 | -60.4 | 60.4 | 57.0 | 3.37 | 17.911 | | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | -90.00 | 0.0 | -60.4 | 60.4 | 56.6 | 3.82 | 15.804 | | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | -90.00 | 0.0 | -60.4 | 60.4 | 56.1 | 4.27 | 14.140 | | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | -90.00 | 0.0 | -60.4 | 60.4 | 55.7 | 4.72 | 12.794 | | |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | -90.00 | 0.0 | -60.4 | 60.4 | 55.2 | 5.17 | 11.681 | | |
| 1,300.0 | 1,300.0 | 1,300.0 | 1,300.0 | 2.8 | 2.8 | -90.00 | 0.0 | -60.4 | 60.4 | 54.8 | 5.62 | 10.747 | | |
| 1,400.0 | 1,400.0 | 1,400.0 | 1,400.0 | 3.0 | 3.0 | -90.00 | 0.0 | -60.4 | 60.4 | 54.3 | 6.07 | 9.951 | | |
| 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | 3.3 | 3.3 | -90.00 | 0.0 | -60.4 | 60.4 | 53.9 | 6.52 | 9.264 | | |
| 1,600.0 | 1,600.0 | 1,600.0 | 1,600.0 | 3.5 | 3.5 | -90.00 | 0.0 | -60.4 | 60.4 | 53.4 | 6.97 | 8.667 | | |
| 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | 3.7 | 3.7 | -90.00 | 0.0 | -60.4 | 60.4 | 53.0 | 7.42 | 8.141 | | |
| 1,800.0 | 1,800.0 | 1,800.0 | 1,800.0 | 3.9 | 3.9 | -90.00 | 0.0 | -60.4 | 60.4 | 52.5 | 7.87 | 7.676 | | |
| 1,900.0 | 1,900.0 | 1,900.0 | 1,900.0 | 4.2 | 4.2 | -90.00 | 0.0 | -60.4 | 60.4 | 52.1 | 8.32 | 7.261 | | |
| 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | 4.4 | 4.4 | -90.00 | 0.0 | -60.4 | 60.4 | 51.6 | 8.77 | 6.889 | | |
| 2,100.0 | 2,100.0 | 2,100.0 | 2,100.0 | 4.6 | 4.6 | -90.00 | 0.0 | -60.4 | 60.4 | 51.2 | 9.22 | 6.553 | | |
| 2,200.0 | 2,200.0 | 2,200.0 | 2,200.0 | 4.8 | 4.8 | -90.00 | 0.0 | -60.4 | 60.4 | 50.7 | 9.66 | 6.248 | | |
| 2,300.0 | 2,300.0 | 2,300.0 | 2,300.0 | 5.1 | 5.1 | -90.00 | 0.0 | -60.4 | 60.4 | 50.3 | 10.11 | 5.970 | | |
| 2,400.0 | 2,400.0 | 2,400.0 | 2,400.0 | 5.3 | 5.3 | -90.00 | 0.0 | -60.4 | 60.4 | 49.8 | 10.56 | 5.716 | | |
| 2,500.0 | 2,500.0 | 2,500.0 | 2,500.0 | 5.5 | 5.5 | -90.00 | 0.0 | -60.4 | 60.4 | 49.4 | 11.01 | 5.483 | | |
| 2,600.0 | 2,600.0 | 2,600.0 | 2,600.0 | 5.7 | 5.7 | -90.00 | 0.0 | -60.4 | 60.4 | 48.9 | 11.46 | 5.268 | | |
| 2,700.0 | 2,700.0 | 2,700.0 | 2,700.0 | 6.0 | 6.0 | -90.00 | 0.0 | -60.4 | 60.4 | 48.5 | 11.91 | 5.069 | | |
| 2,800.0 | 2,800.0 | 2,800.0 | 2,800.0 | 6.2 | 6.2 | -90.00 | 0.0 | -60.4 | 60.4 | 48.0 | 12.36 | 4.885 | | |
| 2,900.0 | 2,900.0 | 2,900.0 | 2,900.0 | 6.4 | 6.4 | -90.00 | 0.0 | -60.4 | 60.4 | 47.6 | 12.81 | 4.713 | | |
| 3,000.0 | 3,000.0 | 3,000.0 | 3,000.0 | 6.6 | 6.6 | -90.00 | 0.0 | -60.4 | 60.4 | 47.1 | 13.26 | 4.554 | | |
| 3,100.0 | 3,100.0 | 3,100.0 | 3,100.0 | 6.9 | 6.9 | -90.00 | 0.0 | -60.4 | 60.4 | 46.7 | 13.71 | 4.404 | | |
| 3,200.0 | 3,200.0 | 3,200.0 | 3,200.0 | 7.1 | 7.1 | -90.00 | 0.0 | -60.4 | 60.4 | 46.2 | 14.16 | 4.265 | | |
| 3,300.0 | 3,300.0 | 3,300.0 | 3,300.0 | 7.3 | 7.3 | -90.00 | 0.0 | -60.4 | 60.4 | 45.8 | 14.61 | 4.133 | | |
| 3,400.0 | 3,400.0 | 3,400.0 | 3,400.0 | 7.5 | 7.5 | -90.00 | 0.0 | -60.4 | 60.4 | 45.3 | 15.06 | 4.010 | | |
| 3,500.0 | 3,500.0 | 3,500.0 | 3,500.0 | 7.8 | 7.8 | -90.00 | 0.0 | -60.4 | 60.4 | 44.9 | 15.51 | 3.894 | | |
| 3,600.0 | 3,600.0 | 3,600.0 | 3,600.0 | 8.0 | 8.0 | -90.00 | 0.0 | -60.4 | 60.4 | 44.4 | 15.96 | 3.784 | | |
| 3,700.0 | 3,700.0 | 3,700.0 | 3,700.0 | 8.2 | 8.2 | -90.00 | 0.0 | -60.4 | 60.4 | 44.0 | 16.41 | 3.680 | | |
| 3,800.0 | 3,800.0 | 3,800.0 | 3,800.0 | 8.4 | 8.4 | -90.00 | 0.0 | -60.4 | 60.4 | 43.5 | 16.86 | 3.582 | | |
| 3,900.0 | 3,900.0 | 3,900.0 | 3,900.0 | 8.7 | 8.7 | -90.00 | 0.0 | -60.4 | 60.4 | 43.1 | 17.31 | 3.489 CC, ES | | |
| 4,000.0 | 4,000.0 | 4,000.0 | 4,000.0 | 8.9 | 8.9 | -104.83 | 0.0 | -60.4 | 61.0 | 43.3 | 17.75 | 3.436 | | |
| 4,100.0 | 4,099.6 | 4,099.6 | 4,099.6 | 9.1 | 9.1 | -111.61 | 0.0 | -60.4 | 63.5 | 45.3 | 18.19 | 3.490 | | |
| 4,200.0 | 4,198.8 | 4,198.8 | 4,198.8 | 9.3 | 9.3 | -121.46 | 0.0 | -60.4 | 69.4 | 50.8 | 18.59 | 3.731 | | |
| 4,300.0 | 4,297.1 | 4,297.1 | 4,297.1 | 9.6 | 9.5 | -132.25 | 0.0 | -60.4 | 80.5 | 61.5 | 18.94 | 4.250 | | |
| 4,400.0 | 4,394.3 | 4,394.3 | 4,394.3 | 9.8 | 9.8 | -141.99 | 0.0 | -60.4 | 97.9 | 78.7 | 19.20 | 5.096 | | |
| 4,500.0 | 4,490.2 | 4,490.2 | 4,490.2 | 10.1 | 10.0 | -149.79 | 0.0 | -60.4 | 121.7 | 102.3 | 19.40 | 6.274 | | |
| 4,600.0 | 4,584.4 | 4,584.4 | 4,584.4 | 10.4 | 10.2 | -155.70 | 0.0 | -60.4 | 151.8 | 132.3 | 19.54 | 7.769 | | |
| 4,700.0 | 4,676.8 | 4,676.8 | 4,676.8 | 10.7 | 10.4 | -160.08 | 0.0 | -60.4 | 187.6 | 168.0 | 19.63 | 9.560 | | |
| 4,800.0 | 4,767.1 | 4,767.1 | 4,767.1 | 11.2 | 10.6 | -163.34 | 0.0 | -60.4 | 228.9 | 209.2 | 19.67 | 11.637 | | |
| 4,900.0 | 4,854.9 | 4,864.1 | 4,864.1 | 11.7 | 10.8 | -166.07 | 0.9 | -59.9 | 274.4 | 254.7 | 19.68 | 13.939 | | |
| 5,000.0 | 4,941.5 | 4,969.9 | 4,969.9 | 12.2 | 11.1 | -168.67 | 6.6 | -56.8 | 318.0 | 297.9 | 20.10 | 15.819 | | |
| 5,100.0 | 5,028.1 | 5,081.1 | 5,080.0 | 12.9 | 11.3 | -170.78 | 18.2 | -50.6 | 356.9 | 336.3 | 20.57 | 17.355 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,200.0 | 5,114.7 | 5,197.3 | 5,194.5 | 13.5 | 11.6 | -172.63 | 36.2 | -40.8 | 390.5 | 369.5 | 21.06 | 18.546 | | |
| 5,300.0 | 5,201.3 | 5,318.1 | 5,311.8 | 14.2 | 11.9 | -174.37 | 61.4 | -27.2 | 418.6 | 397.0 | 21.58 | 19.396 | | |
| 5,400.0 | 5,287.9 | 5,442.7 | 5,430.7 | 14.9 | 12.2 | -176.09 | 94.2 | -9.4 | 440.8 | 418.6 | 22.14 | 19.912 | | |
| 5,500.0 | 5,374.5 | 5,570.2 | 5,549.4 | 15.7 | 12.6 | -177.87 | 134.7 | 12.5 | 456.8 | 434.1 | 22.72 | 20.104 | | |
| 5,600.0 | 5,461.1 | 5,699.4 | 5,666.5 | 16.4 | 13.1 | -179.78 | 182.8 | 38.5 | 466.7 | 443.4 | 23.35 | 19.986 | | |
| 5,700.0 | 5,547.7 | 5,825.6 | 5,777.1 | 17.2 | 13.7 | 178.18 | 236.4 | 67.5 | 470.5 | 446.5 | 24.03 | 19.577 | | |
| 5,800.0 | 5,634.3 | 5,924.7 | 5,862.5 | 18.0 | 14.3 | 176.51 | 280.5 | 91.4 | 472.1 | 447.4 | 24.69 | 19.124 | | |
| 5,900.0 | 5,720.9 | 6,023.7 | 5,947.8 | 18.8 | 14.8 | 174.86 | 324.6 | 115.2 | 474.2 | 448.8 | 25.39 | 18.674 | | |
| 6,000.0 | 5,807.5 | 6,122.7 | 6,033.2 | 19.7 | 15.5 | 173.22 | 368.7 | 139.1 | 476.6 | 450.4 | 26.15 | 18.225 | | |
| 6,100.0 | 5,894.1 | 6,221.7 | 6,118.6 | 20.5 | 16.1 | 171.59 | 412.9 | 162.9 | 479.4 | 452.5 | 26.97 | 17.777 | | |
| 6,200.0 | 5,980.7 | 6,320.7 | 6,204.0 | 21.4 | 16.8 | 169.99 | 457.0 | 186.8 | 482.6 | 454.8 | 27.85 | 17.330 | | |
| 6,300.0 | 6,067.3 | 6,419.8 | 6,289.4 | 22.2 | 17.5 | 168.41 | 501.1 | 210.6 | 486.2 | 457.4 | 28.80 | 16.885 | | |
| 6,400.0 | 6,153.9 | 6,518.8 | 6,374.8 | 23.1 | 18.3 | 166.85 | 545.2 | 234.5 | 490.2 | 460.4 | 29.81 | 16.444 | | |
| 6,500.0 | 6,240.5 | 6,619.2 | 6,461.4 | 24.0 | 19.0 | 165.36 | 589.9 | 258.1 | 494.5 | 463.6 | 30.87 | 16.018 | | |
| 6,600.0 | 6,327.1 | 6,725.3 | 6,555.4 | 24.9 | 19.7 | 165.81 | 638.3 | 265.9 | 498.1 | 466.6 | 31.52 | 15.803 | | |
| 6,700.0 | 6,413.6 | 6,824.2 | 6,642.0 | 25.7 | 20.1 | 168.81 | 682.7 | 250.3 | 501.3 | 469.7 | 31.61 | 15.860 | | |
| 6,800.0 | 6,500.2 | 6,908.2 | 6,711.8 | 26.6 | 20.4 | 173.16 | 718.3 | 220.2 | 507.4 | 475.9 | 31.53 | 16.094 | | |
| 6,900.0 | 6,587.2 | 6,980.8 | 6,767.2 | 27.4 | 20.6 | -159.70 | 746.4 | 182.7 | 518.9 | 487.0 | 31.88 | 16.278 | | |
| 7,000.0 | 6,672.0 | 7,050.0 | 6,814.1 | 28.1 | 20.8 | -134.90 | 770.1 | 137.9 | 533.8 | 500.8 | 32.93 | 16.207 | | |
| 7,100.0 | 6,750.4 | 7,115.9 | 6,852.6 | 28.7 | 20.9 | -117.06 | 789.4 | 88.1 | 549.7 | 515.5 | 34.25 | 16.051 | | |
| 7,200.0 | 6,818.4 | 7,180.3 | 6,883.4 | 29.2 | 21.0 | -105.04 | 804.8 | 33.7 | 564.9 | 529.5 | 35.41 | 15.954 | | |
| 7,300.0 | 6,872.5 | 7,243.6 | 6,906.6 | 29.6 | 21.0 | -97.20 | 816.1 | -24.0 | 577.7 | 541.4 | 36.30 | 15.913 | | |
| 7,400.0 | 6,909.8 | 7,306.1 | 6,922.0 | 29.9 | 21.1 | -92.46 | 823.5 | -84.1 | 586.9 | 549.8 | 37.11 | 15.817 | | |
| 7,500.0 | 6,928.5 | 7,368.2 | 6,929.7 | 30.2 | 21.3 | -90.25 | 826.9 | -145.5 | 591.9 | 553.8 | 38.10 | 15.537 | | |
| 7,600.0 | 6,930.6 | 7,449.3 | 6,930.6 | 30.5 | 21.7 | -90.00 | 826.6 | -226.7 | 593.1 | 553.0 | 40.06 | 14.804 | | |
| 7,700.0 | 6,930.6 | 7,549.3 | 6,930.6 | 30.9 | 22.7 | -90.00 | 825.7 | -326.7 | 593.8 | 550.7 | 43.08 | 13.784 | | |
| 7,800.0 | 6,930.6 | 7,649.3 | 6,930.6 | 31.6 | 24.3 | -90.00 | 824.8 | -426.6 | 594.6 | 548.0 | 46.59 | 12.761 | | |
| 7,900.0 | 6,930.6 | 7,749.3 | 6,930.6 | 32.6 | 26.1 | -90.00 | 823.9 | -526.6 | 595.3 | 544.8 | 50.49 | 11.792 | | |
| 8,000.0 | 6,930.6 | 7,849.3 | 6,930.6 | 33.8 | 28.1 | -90.00 | 823.0 | -626.6 | 596.1 | 541.4 | 54.68 | 10.901 | | |
| 8,100.0 | 6,930.6 | 7,949.3 | 6,930.6 | 35.3 | 30.3 | -90.00 | 822.1 | -726.6 | 596.9 | 537.7 | 59.11 | 10.097 | | |
| 8,200.0 | 6,930.6 | 8,049.3 | 6,930.6 | 37.0 | 32.5 | -90.00 | 821.2 | -826.6 | 597.6 | 533.9 | 63.73 | 9.377 | | |
| 8,300.0 | 6,930.6 | 8,149.3 | 6,930.6 | 38.9 | 34.9 | -90.00 | 820.3 | -926.6 | 598.4 | 529.9 | 68.50 | 8.736 | | |
| 8,400.0 | 6,930.6 | 8,249.3 | 6,930.6 | 40.9 | 37.3 | -90.00 | 819.3 | -1,026.6 | 599.1 | 525.8 | 73.38 | 8.164 | | |
| 8,500.0 | 6,930.6 | 8,349.3 | 6,930.6 | 43.1 | 39.7 | -90.00 | 818.4 | -1,126.6 | 599.9 | 521.5 | 78.37 | 7.655 | | |
| 8,600.0 | 6,930.6 | 8,449.3 | 6,930.6 | 45.3 | 42.2 | -90.00 | 817.5 | -1,226.6 | 600.7 | 517.2 | 83.43 | 7.199 | | |
| 8,700.0 | 6,930.6 | 8,549.3 | 6,930.6 | 47.7 | 44.8 | -90.00 | 816.6 | -1,326.6 | 601.4 | 512.9 | 88.56 | 6.791 | | |
| 8,800.0 | 6,930.6 | 8,649.3 | 6,930.6 | 50.0 | 47.3 | -90.00 | 815.7 | -1,426.6 | 602.2 | 508.4 | 93.75 | 6.423 | | |
| 8,900.0 | 6,930.6 | 8,749.3 | 6,930.6 | 52.5 | 49.9 | -90.00 | 814.8 | -1,526.6 | 602.9 | 504.0 | 98.98 | 6.091 | | |
| 9,000.0 | 6,930.6 | 8,849.3 | 6,930.6 | 55.0 | 52.5 | -90.00 | 813.9 | -1,626.6 | 603.7 | 499.4 | 104.26 | 5.790 | | |
| 9,100.0 | 6,930.6 | 8,949.3 | 6,930.6 | 57.5 | 55.2 | -90.00 | 812.9 | -1,726.6 | 604.5 | 494.9 | 109.56 | 5.517 | | |
| 9,200.0 | 6,930.6 | 9,049.3 | 6,930.6 | 60.0 | 57.8 | -90.00 | 812.0 | -1,826.5 | 605.2 | 490.3 | 114.90 | 5.267 | | |
| 9,300.0 | 6,930.6 | 9,149.3 | 6,930.6 | 62.6 | 60.5 | -90.00 | 811.1 | -1,926.5 | 606.0 | 485.7 | 120.26 | 5.039 | | |
| 9,400.0 | 6,930.6 | 9,249.3 | 6,930.6 | 65.2 | 63.2 | -90.00 | 810.2 | -2,026.5 | 606.7 | 481.1 | 125.64 | 4.829 | | |
| 9,500.0 | 6,930.6 | 9,349.3 | 6,930.6 | 67.8 | 65.8 | -90.00 | 809.3 | -2,126.5 | 607.5 | 476.5 | 131.05 | 4.636 | | |
| 9,600.0 | 6,930.6 | 9,449.2 | 6,930.6 | 70.4 | 68.5 | -90.00 | 808.4 | -2,226.5 | 608.3 | 471.8 | 136.47 | 4.457 | | |
| 9,700.0 | 6,930.6 | 9,549.2 | 6,930.6 | 73.0 | 71.2 | -90.00 | 807.5 | -2,326.5 | 609.0 | 467.1 | 141.90 | 4.292 | | |
| 9,800.0 | 6,930.6 | 9,649.2 | 6,930.6 | 75.7 | 73.9 | -90.00 | 806.6 | -2,426.5 | 609.8 | 462.4 | 147.35 | 4.138 | | |
| 9,900.0 | 6,930.6 | 9,749.2 | 6,930.6 | 78.3 | 76.7 | -90.00 | 805.6 | -2,526.5 | 610.5 | 457.7 | 152.81 | 3.995 | | |
| 10,000.0 | 6,930.6 | 9,849.2 | 6,930.6 | 81.0 | 79.4 | -90.00 | 804.7 | -2,626.5 | 611.3 | 453.0 | 158.28 | 3.862 | | |
| 10,100.0 | 6,930.6 | 9,949.2 | 6,930.6 | 83.7 | 82.1 | -90.00 | 803.8 | -2,726.5 | 612.1 | 448.3 | 163.76 | 3.738 | | |
| 10,200.0 | 6,930.6 | 10,049.2 | 6,930.6 | 86.4 | 84.8 | -90.00 | 802.9 | -2,826.5 | 612.8 | 443.6 | 169.25 | 3.621 | | |
| 10,300.0 | 6,930.6 | 10,149.2 | 6,930.6 | 89.1 | 87.6 | -90.00 | 802.0 | -2,926.5 | 613.6 | 438.8 | 174.75 | 3.511 | | |

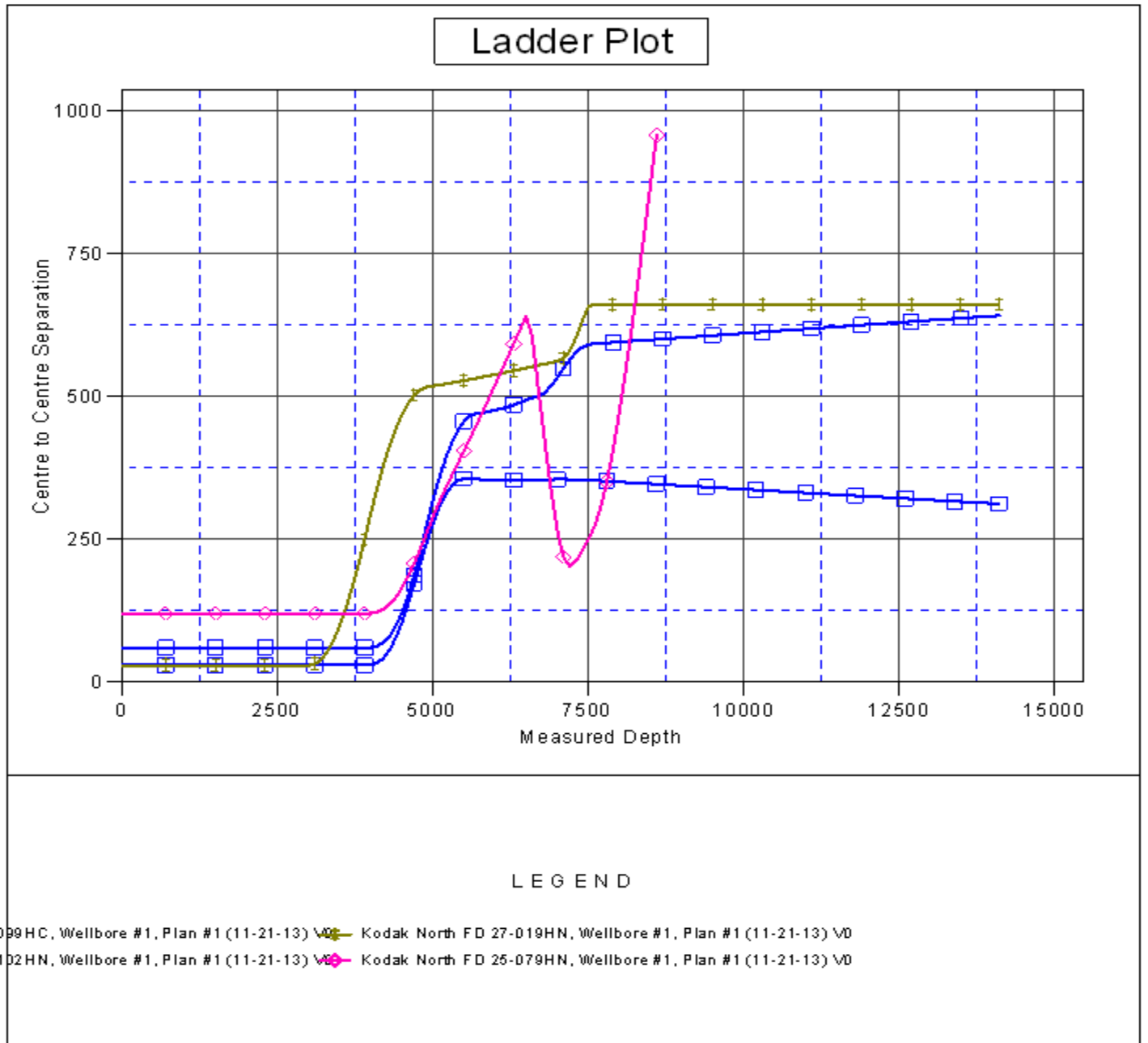
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| Offset Design | | | | | | | | | | Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-21-13) | | | | Offset Site Error: | | 0.0 ft |
|------------------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|--|--------------------|-------------------|---------|--------------------|--|--------|
| Survey Program: 0-MWMD | | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | (ft) | | | | | |
| 10,400.0 | 6,930.6 | 10,249.2 | 6,930.6 | 91.8 | 90.3 | -90.00 | 801.1 | -3,026.5 | 614.3 | 434.1 | 180.25 | 3.408 | | | | |
| 10,500.0 | 6,930.6 | 10,349.2 | 6,930.6 | 94.5 | 93.1 | -90.00 | 800.2 | -3,126.5 | 615.1 | 429.3 | 185.76 | 3.311 | | | | |
| 10,600.0 | 6,930.6 | 10,449.2 | 6,930.6 | 97.2 | 95.8 | -90.00 | 799.3 | -3,226.4 | 615.9 | 424.6 | 191.28 | 3.220 | | | | |
| 10,700.0 | 6,930.6 | 10,549.2 | 6,930.6 | 99.9 | 98.6 | -90.00 | 798.3 | -3,326.4 | 616.6 | 419.8 | 196.80 | 3.133 | | | | |
| 10,800.0 | 6,930.6 | 10,649.2 | 6,930.6 | 102.7 | 101.3 | -90.00 | 797.4 | -3,426.4 | 617.4 | 415.1 | 202.33 | 3.051 | | | | |
| 10,900.0 | 6,930.6 | 10,749.2 | 6,930.6 | 105.4 | 104.1 | -90.00 | 796.5 | -3,526.4 | 618.1 | 410.3 | 207.86 | 2.974 | | | | |
| 11,000.0 | 6,930.6 | 10,849.2 | 6,930.6 | 108.1 | 106.8 | -90.00 | 795.6 | -3,626.4 | 618.9 | 405.5 | 213.40 | 2.900 | | | | |
| 11,100.0 | 6,930.6 | 10,949.2 | 6,930.6 | 110.9 | 109.6 | -90.00 | 794.7 | -3,726.4 | 619.7 | 400.7 | 218.94 | 2.830 | | | | |
| 11,200.0 | 6,930.6 | 11,049.2 | 6,930.6 | 113.6 | 112.4 | -90.00 | 793.8 | -3,826.4 | 620.4 | 395.9 | 224.48 | 2.764 | | | | |
| 11,300.0 | 6,930.6 | 11,149.2 | 6,930.6 | 116.4 | 115.1 | -90.00 | 792.9 | -3,926.4 | 621.2 | 391.2 | 230.03 | 2.700 | | | | |
| 11,400.0 | 6,930.6 | 11,249.2 | 6,930.6 | 119.1 | 117.9 | -90.00 | 792.0 | -4,026.4 | 621.9 | 386.4 | 235.58 | 2.640 | | | | |
| 11,500.0 | 6,930.6 | 11,349.2 | 6,930.6 | 121.9 | 120.7 | -90.00 | 791.0 | -4,126.4 | 622.7 | 381.6 | 241.14 | 2.582 | | | | |
| 11,600.0 | 6,930.6 | 11,449.2 | 6,930.6 | 124.6 | 123.4 | -90.00 | 790.1 | -4,226.4 | 623.5 | 376.8 | 246.69 | 2.527 | | | | |
| 11,700.0 | 6,930.6 | 11,549.2 | 6,930.6 | 127.4 | 126.2 | -90.00 | 789.2 | -4,326.4 | 624.2 | 372.0 | 252.25 | 2.475 | | | | |
| 11,800.0 | 6,930.6 | 11,649.2 | 6,930.6 | 130.1 | 129.0 | -90.00 | 788.3 | -4,426.4 | 625.0 | 367.2 | 257.81 | 2.424 | | | | |
| 11,900.0 | 6,930.6 | 11,749.2 | 6,930.6 | 132.9 | 131.8 | -90.00 | 787.4 | -4,526.4 | 625.8 | 362.4 | 263.38 | 2.376 | | | | |
| 12,000.0 | 6,930.6 | 11,849.2 | 6,930.6 | 135.6 | 134.5 | -90.00 | 786.5 | -4,626.3 | 626.5 | 357.6 | 268.94 | 2.330 | | | | |
| 12,100.0 | 6,930.6 | 11,949.2 | 6,930.6 | 138.4 | 137.3 | -90.00 | 785.6 | -4,726.3 | 627.3 | 352.8 | 274.51 | 2.285 | | | | |
| 12,200.0 | 6,930.6 | 12,049.2 | 6,930.6 | 141.2 | 140.1 | -90.00 | 784.7 | -4,826.3 | 628.0 | 348.0 | 280.08 | 2.242 | | | | |
| 12,300.0 | 6,930.6 | 12,149.2 | 6,930.6 | 143.9 | 142.9 | -90.00 | 783.7 | -4,926.3 | 628.8 | 343.1 | 285.65 | 2.201 | | | | |
| 12,400.0 | 6,930.6 | 12,249.2 | 6,930.6 | 146.7 | 145.7 | -90.00 | 782.8 | -5,026.3 | 629.6 | 338.3 | 291.22 | 2.162 | | | | |
| 12,500.0 | 6,930.6 | 12,349.2 | 6,930.6 | 149.5 | 148.4 | -90.00 | 781.9 | -5,126.3 | 630.3 | 333.5 | 296.80 | 2.124 | | | | |
| 12,600.0 | 6,930.6 | 12,449.2 | 6,930.6 | 152.2 | 151.2 | -90.00 | 781.0 | -5,226.3 | 631.1 | 328.7 | 302.37 | 2.087 | | | | |
| 12,700.0 | 6,930.6 | 12,549.2 | 6,930.6 | 155.0 | 154.0 | -90.00 | 780.1 | -5,326.3 | 631.8 | 323.9 | 307.95 | 2.052 | | | | |
| 12,800.0 | 6,930.6 | 12,649.2 | 6,930.6 | 157.8 | 156.8 | -90.00 | 779.2 | -5,426.3 | 632.6 | 319.1 | 313.53 | 2.018 | | | | |
| 12,900.0 | 6,930.6 | 12,749.2 | 6,930.6 | 160.6 | 159.6 | -90.00 | 778.3 | -5,526.3 | 633.4 | 314.2 | 319.11 | 1.985 | | | | |
| 13,000.0 | 6,930.6 | 12,849.2 | 6,930.6 | 163.3 | 162.4 | -90.00 | 777.4 | -5,626.3 | 634.1 | 309.4 | 324.69 | 1.953 | | | | |
| 13,100.0 | 6,930.6 | 12,949.1 | 6,930.6 | 166.1 | 165.2 | -90.00 | 776.4 | -5,726.3 | 634.9 | 304.6 | 330.27 | 1.922 | | | | |
| 13,200.0 | 6,930.6 | 13,049.1 | 6,930.6 | 168.9 | 167.9 | -90.00 | 775.5 | -5,826.3 | 635.6 | 299.8 | 335.85 | 1.893 | | | | |
| 13,300.0 | 6,930.6 | 13,149.1 | 6,930.6 | 171.7 | 170.7 | -90.00 | 774.6 | -5,926.3 | 636.4 | 295.0 | 341.44 | 1.864 | | | | |
| 13,400.0 | 6,930.6 | 13,249.1 | 6,930.6 | 174.5 | 173.5 | -90.00 | 773.7 | -6,026.3 | 637.2 | 290.1 | 347.02 | 1.836 | | | | |
| 13,500.0 | 6,930.6 | 13,349.1 | 6,930.6 | 177.2 | 176.3 | -90.00 | 772.8 | -6,126.2 | 637.9 | 285.3 | 352.61 | 1.809 | | | | |
| 13,600.0 | 6,930.6 | 13,449.1 | 6,930.6 | 180.0 | 179.1 | -90.00 | 771.9 | -6,226.2 | 638.7 | 280.5 | 358.20 | 1.783 | | | | |
| 13,700.0 | 6,930.6 | 13,549.1 | 6,930.6 | 182.8 | 181.9 | -90.00 | 771.0 | -6,326.2 | 639.4 | 275.7 | 363.78 | 1.758 | | | | |
| 13,800.0 | 6,930.6 | 13,649.1 | 6,930.6 | 185.6 | 184.7 | -90.00 | 770.1 | -6,426.2 | 640.2 | 270.8 | 369.37 | 1.733 | | | | |
| 13,900.0 | 6,930.6 | 13,749.1 | 6,930.6 | 188.4 | 187.5 | -90.00 | 769.1 | -6,526.2 | 641.0 | 266.0 | 374.96 | 1.709 | | | | |
| 14,000.0 | 6,930.6 | 13,849.1 | 6,930.6 | 191.2 | 190.3 | -90.00 | 768.2 | -6,626.2 | 641.7 | 261.2 | 380.55 | 1.686 | | | | |
| 14,100.0 | 6,930.6 | 13,949.1 | 6,930.6 | 193.9 | 193.1 | -90.00 | 767.3 | -6,726.2 | 642.5 | 256.3 | 386.14 | 1.664 | | | | |
| 14,118.0 | 6,930.6 | 13,967.2 | 6,930.6 | 194.4 | 193.6 | -90.00 | 767.2 | -6,744.2 | 642.6 | 255.5 | 387.15 | 1.660 SF | | | | |

| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4776.6ft (RKB - 16.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Kodak North FD 27-062HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.41°



| | | | |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Company: | Great Western | Local Co-ordinate Reference: | Well Kodak North FD 27-062HN |
| Project: | SEC.26-T6N-R67W | TVD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Reference Site: | Kodak North Pad Sec.26-T6N-R67W | MD Reference: | WELL @ 4776.6ft (RKB - 16.5') |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Kodak North FD 27-062HN | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (11-21-13) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4776.6ft (RKB - 16.5')
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Kodak North FD 27-062HN
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.41°

