

30-025-44040

Job#  
Rig: 25' KB

## One Energy Partners

Lea County, NM (NAD 27) Cannon B Pad

API#

Cannon BS3 State Com 1H

Wellbore #1

## Sperry Drilling Services

### Ellipse Separation Anticollision Report

Minimum Magnetic Interference Warning level is 50' center to center

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)  
Reference Design: Cannon B Pad - Cannon BS3 State Com 1H - Wellbore #1 - Plan #1

Well Coordinates: 32° 22' 09.18" N  
103° 23' 59.20" W

NAD 1927 (NADCON CONUS)  
New Mexico East 3001  
499,293.13 N  
788,237.23 E

Ground Level: 3,550.10 usft

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

Version: 5000.1 Build: 81D

Report Version: Midcon Ellipse v1.50

HALLIBURTON

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Anticollision Report for Cannon BS3 State Com 1H - Plan #1

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## Anticollision Summary

Reference Design: Cannon B Pad - Cannon BS3 State Com 1H - Wellbore #1 - Plan #1

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Site Name                                       | Measured Depth (usft) | Minimum Distance (usft) | @Measured Depth (usft) | Ellipse Separation (usft) | @Measured Depth usft | Clearance Factor | Summary Based on Minimum              |
|-------------------------------------------------|-----------------------|-------------------------|------------------------|---------------------------|----------------------|------------------|---------------------------------------|
| Comparison Well Name - Wellbore Name - Design   |                       |                         |                        |                           |                      |                  |                                       |
| Cannon B Pad                                    |                       |                         |                        |                           |                      |                  |                                       |
| Cannon BS2 State Com 1H - Wellbore #1 - Plan #1 | 9,809.6               | 49.9                    | 9,809.6                | 4.8                       | 9,809.6              | 1.107            | Centre Distance                       |
|                                                 | 9,900.0               | 50.1                    | 9,900.0                | 4.6                       | 9,899.7              | 1.100            | Ellipse Separation / Clearance Factor |

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |                             |                      | Uncertainty Data for Comparison Well |                       |                             |                             |                      | Separation (Ref. > Comp.) |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------|--------------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------|---------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | Ellipse Centre +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | Ellipse Centre +E/-W (usft) | Ellipse Major Axis/2 | Between Centres (usft)    | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 100.0                               | 100.0                 | 0.0                         | 0.0                         | 0.5                  | 100.0                                | 100.0                 | -0.6                        | -49.9                       | 0.50                 | 49.9                      | 47.6                      | -90.70                    | 21.709           |
| 200.0                               | 200.0                 | 0.0                         | 0.0                         | 0.6                  | 200.0                                | 200.0                 | -0.6                        | -49.9                       | 0.60                 | 49.9                      | 47.5                      | -90.70                    | 20.285           |
| 300.0                               | 300.0                 | 0.0                         | 0.0                         | 0.7                  | 300.0                                | 300.0                 | -0.6                        | -49.9                       | 0.70                 | 49.9                      | 47.2                      | -90.70                    | 18.166           |
| 400.0                               | 400.0                 | 0.0                         | 0.0                         | 0.9                  | 400.0                                | 400.0                 | -0.6                        | -49.9                       | 0.90                 | 49.9                      | 46.8                      | -90.70                    | 16.092           |
| 500.0                               | 500.0                 | 0.0                         | 0.0                         | 1.1                  | 500.0                                | 500.0                 | -0.6                        | -49.9                       | 1.10                 | 49.9                      | 46.5                      | -90.70                    | 14.299           |
| 600.0                               | 600.0                 | 0.0                         | 0.0                         | 1.3                  | 600.0                                | 600.0                 | -0.6                        | -49.9                       | 1.30                 | 49.9                      | 46.0                      | -90.70                    | 12.801           |
| 700.0                               | 700.0                 | 0.0                         | 0.0                         | 1.5                  | 700.0                                | 700.0                 | -0.6                        | -49.9                       | 1.50                 | 49.9                      | 45.6                      | -90.70                    | 11.557           |
| 800.0                               | 800.0                 | 0.0                         | 0.0                         | 1.7                  | 800.0                                | 800.0                 | -0.6                        | -49.9                       | 1.70                 | 49.9                      | 45.2                      | -90.70                    | 10.516           |
| 900.0                               | 900.0                 | 0.0                         | 0.0                         | 1.9                  | 900.0                                | 900.0                 | -0.6                        | -49.9                       | 1.90                 | 49.9                      | 44.8                      | -90.70                    | 9.638            |
| 1,000.0                             | 1,000.0               | 0.0                         | 0.0                         | 2.2                  | 1,000.0                              | 1,000.0               | -0.6                        | -49.9                       | 2.20                 | 49.9                      | 44.3                      | -90.70                    | 8.890            |
| 1,100.0                             | 1,100.0               | 0.0                         | 0.0                         | 2.4                  | 1,100.0                              | 1,100.0               | -0.6                        | -49.9                       | 2.40                 | 49.9                      | 43.9                      | -90.70                    | 8.247            |
| 1,200.0                             | 1,200.0               | 0.0                         | 0.0                         | 2.6                  | 1,200.0                              | 1,200.0               | -0.6                        | -49.9                       | 2.60                 | 49.9                      | 43.4                      | -90.70                    | 7.687            |
| 1,300.0                             | 1,300.0               | 0.0                         | 0.0                         | 2.8                  | 1,300.0                              | 1,300.0               | -0.6                        | -49.9                       | 2.80                 | 49.9                      | 43.0                      | -90.70                    | 7.198            |
| 1,400.0                             | 1,400.0               | 0.0                         | 0.0                         | 3.0                  | 1,400.0                              | 1,400.0               | -0.6                        | -49.9                       | 3.00                 | 49.9                      | 42.6                      | -90.70                    | 6.766            |
| 1,500.0                             | 1,500.0               | 0.0                         | 0.0                         | 3.3                  | 1,500.0                              | 1,500.0               | -0.6                        | -49.9                       | 3.30                 | 49.9                      | 42.1                      | -90.70                    | 6.382            |
| 1,600.0                             | 1,600.0               | 0.0                         | 0.0                         | 3.5                  | 1,600.0                              | 1,600.0               | -0.6                        | -49.9                       | 3.50                 | 49.9                      | 41.7                      | -90.70                    | 6.039            |
| 1,700.0                             | 1,700.0               | 0.0                         | 0.0                         | 3.7                  | 1,700.0                              | 1,700.0               | -0.6                        | -49.9                       | 3.70                 | 49.9                      | 41.2                      | -90.70                    | 5.731            |
| 1,800.0                             | 1,800.0               | 0.0                         | 0.0                         | 3.9                  | 1,800.0                              | 1,800.0               | -0.6                        | -49.9                       | 3.90                 | 49.9                      | 40.8                      | -90.70                    | 5.452            |
| 1,900.0                             | 1,900.0               | 0.0                         | 0.0                         | 4.2                  | 1,900.0                              | 1,900.0               | -0.6                        | -49.9                       | 4.20                 | 49.9                      | 40.3                      | -90.70                    | 5.199            |
| 2,000.0                             | 2,000.0               | 0.0                         | 0.0                         | 4.4                  | 2,000.0                              | 2,000.0               | -0.6                        | -49.9                       | 4.40                 | 49.9                      | 39.9                      | -90.70                    | 4.968            |
| 2,100.0                             | 2,100.0               | 0.0                         | 0.0                         | 4.6                  | 2,100.0                              | 2,100.0               | -0.6                        | -49.9                       | 4.60                 | 49.9                      | 39.4                      | -90.70                    | 4.757            |
| 2,200.0                             | 2,200.0               | 0.0                         | 0.0                         | 4.8                  | 2,200.0                              | 2,200.0               | -0.6                        | -49.9                       | 4.80                 | 49.9                      | 39.0                      | -90.70                    | 4.562            |
| 2,300.0                             | 2,300.0               | 0.0                         | 0.0                         | 5.1                  | 2,300.0                              | 2,300.0               | -0.6                        | -49.9                       | 5.10                 | 49.9                      | 38.5                      | -90.70                    | 4.383            |
| 2,400.0                             | 2,400.0               | 0.0                         | 0.0                         | 5.3                  | 2,400.0                              | 2,400.0               | -0.6                        | -49.9                       | 5.30                 | 49.9                      | 38.1                      | -90.70                    | 4.218            |
| 2,500.0                             | 2,500.0               | 0.0                         | 0.0                         | 5.5                  | 2,500.0                              | 2,500.0               | -0.6                        | -49.9                       | 5.50                 | 49.9                      | 37.7                      | -90.70                    | 4.064            |
| 2,600.0                             | 2,600.0               | 0.0                         | 0.0                         | 5.7                  | 2,600.0                              | 2,600.0               | -0.6                        | -49.9                       | 5.70                 | 49.9                      | 37.2                      | -90.70                    | 3.921            |
| 2,700.0                             | 2,700.0               | 0.0                         | 0.0                         | 5.9                  | 2,700.0                              | 2,700.0               | -0.6                        | -49.9                       | 5.90                 | 49.9                      | 36.8                      | -90.70                    | 3.788            |
| 2,800.0                             | 2,800.0               | 0.0                         | 0.0                         | 6.2                  | 2,800.0                              | 2,800.0               | -0.6                        | -49.9                       | 6.20                 | 49.9                      | 36.3                      | -90.70                    | 3.663            |
| 2,900.0                             | 2,900.0               | 0.0                         | 0.0                         | 6.4                  | 2,900.0                              | 2,900.0               | -0.6                        | -49.9                       | 6.40                 | 49.9                      | 35.9                      | -90.70                    | 3.547            |
| 3,000.0                             | 3,000.0               | 0.0                         | 0.0                         | 6.6                  | 3,000.0                              | 3,000.0               | -0.6                        | -49.9                       | 6.60                 | 49.9                      | 35.4                      | -90.70                    | 3.437            |

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                |              |                      | Uncertainty Data for Comparison Well |                       |                |              |                      | Separation (Ref. > Comp.) |                           |                           |                  |
|-------------------------------------|-----------------------|----------------|--------------|----------------------|--------------------------------------|-----------------------|----------------|--------------|----------------------|---------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre |              | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre |              | Ellipse Major Axis/2 | Between Centres (usft)    | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
|                                     |                       | +N/-S (usft)   | +E/-W (usft) |                      |                                      |                       | +N/-S (usft)   | +E/-W (usft) |                      |                           |                           |                           |                  |
| 3,100.0                             | 3,100.0               | 0.0            | 0.0          | 6.8                  | 3,100.0                              | 3,100.0               | -0.6           | -49.9        | 6.80                 | 49.9                      | 35.0                      | -90.70                    | 3.335            |
| 3,200.0                             | 3,200.0               | 0.0            | 0.0          | 7.1                  | 3,200.0                              | 3,200.0               | -0.6           | -49.9        | 7.10                 | 49.9                      | 34.5                      | -90.70                    | 3.238            |
| 3,300.0                             | 3,300.0               | 0.0            | 0.0          | 7.3                  | 3,300.0                              | 3,300.0               | -0.6           | -49.9        | 7.30                 | 49.9                      | 34.1                      | -90.70                    | 3.146            |
| 3,400.0                             | 3,400.0               | 0.0            | 0.0          | 7.5                  | 3,400.0                              | 3,400.0               | -0.6           | -49.9        | 7.50                 | 49.9                      | 33.6                      | -90.70                    | 3.060            |
| 3,500.0                             | 3,500.0               | 0.0            | 0.0          | 7.7                  | 3,500.0                              | 3,500.0               | -0.6           | -49.9        | 7.70                 | 49.9                      | 33.2                      | -90.70                    | 2.978            |
| 3,600.0                             | 3,600.0               | 0.0            | 0.0          | 8.0                  | 3,600.0                              | 3,600.0               | -0.6           | -49.9        | 8.00                 | 49.9                      | 32.7                      | -90.70                    | 2.900            |
| 3,700.0                             | 3,700.0               | 0.0            | 0.0          | 8.2                  | 3,700.0                              | 3,700.0               | -0.6           | -49.9        | 8.20                 | 49.9                      | 32.3                      | -90.70                    | 2.827            |
| 3,800.0                             | 3,800.0               | 0.0            | 0.0          | 8.4                  | 3,800.0                              | 3,800.0               | -0.6           | -49.9        | 8.40                 | 49.9                      | 31.8                      | -90.70                    | 2.757            |
| 3,900.0                             | 3,900.0               | 0.0            | 0.0          | 8.6                  | 3,900.0                              | 3,900.0               | -0.6           | -49.9        | 8.60                 | 49.9                      | 31.4                      | -90.70                    | 2.690            |
| 4,000.0                             | 4,000.0               | 0.0            | 0.0          | 8.9                  | 4,000.0                              | 4,000.0               | -0.6           | -49.9        | 8.90                 | 49.9                      | 30.9                      | -90.70                    | 2.627            |
| 4,100.0                             | 4,100.0               | 0.0            | 0.0          | 9.1                  | 4,100.0                              | 4,100.0               | -0.6           | -49.9        | 9.10                 | 49.9                      | 30.5                      | -90.70                    | 2.566            |
| 4,200.0                             | 4,200.0               | 0.0            | 0.0          | 9.3                  | 4,200.0                              | 4,200.0               | -0.6           | -49.9        | 9.30                 | 49.9                      | 30.0                      | -90.70                    | 2.508            |
| 4,300.0                             | 4,300.0               | 0.0            | 0.0          | 9.5                  | 4,300.0                              | 4,300.0               | -0.6           | -49.9        | 9.50                 | 49.9                      | 29.6                      | -90.70                    | 2.453            |
| 4,400.0                             | 4,400.0               | 0.0            | 0.0          | 9.8                  | 4,400.0                              | 4,400.0               | -0.6           | -49.9        | 9.80                 | 49.9                      | 29.1                      | -90.70                    | 2.400            |
| 4,500.0                             | 4,500.0               | 0.0            | 0.0          | 10.0                 | 4,500.0                              | 4,500.0               | -0.6           | -49.9        | 10.00                | 49.9                      | 28.7                      | -90.70                    | 2.349            |
| 4,600.0                             | 4,600.0               | 0.0            | 0.0          | 10.2                 | 4,600.0                              | 4,600.0               | -0.6           | -49.9        | 10.20                | 49.9                      | 28.2                      | -90.70                    | 2.301            |
| 4,700.0                             | 4,700.0               | 0.0            | 0.0          | 10.4                 | 4,700.0                              | 4,700.0               | -0.6           | -49.9        | 10.40                | 49.9                      | 27.8                      | -90.70                    | 2.254            |
| 4,800.0                             | 4,800.0               | 0.0            | 0.0          | 10.7                 | 4,800.0                              | 4,800.0               | -0.6           | -49.9        | 10.70                | 49.9                      | 27.3                      | -90.70                    | 2.209            |
| 4,900.0                             | 4,900.0               | 0.0            | 0.0          | 10.9                 | 4,900.0                              | 4,900.0               | -0.6           | -49.9        | 10.90                | 49.9                      | 26.9                      | -90.70                    | 2.166            |
| 5,000.0                             | 5,000.0               | 0.0            | 0.0          | 11.1                 | 5,000.0                              | 5,000.0               | -0.6           | -49.9        | 11.10                | 49.9                      | 26.4                      | -90.70                    | 2.125            |
| 5,100.0                             | 5,100.0               | 0.0            | 0.0          | 11.3                 | 5,100.0                              | 5,100.0               | -0.6           | -49.9        | 11.30                | 49.9                      | 26.0                      | -90.70                    | 2.085            |
| 5,200.0                             | 5,200.0               | 0.0            | 0.0          | 11.6                 | 5,200.0                              | 5,200.0               | -0.6           | -49.9        | 11.60                | 49.9                      | 25.5                      | -90.70                    | 2.047            |
| 5,300.0                             | 5,300.0               | 0.0            | 0.0          | 11.8                 | 5,300.0                              | 5,300.0               | -0.6           | -49.9        | 11.80                | 49.9                      | 25.1                      | -90.70                    | 2.010            |
| 5,400.0                             | 5,400.0               | 0.0            | 0.0          | 12.0                 | 5,400.0                              | 5,400.0               | -0.6           | -49.9        | 12.00                | 49.9                      | 24.6                      | -90.70                    | 1.974            |
| 5,500.0                             | 5,500.0               | 0.0            | 0.0          | 12.2                 | 5,500.0                              | 5,500.0               | -0.6           | -49.9        | 12.20                | 49.9                      | 24.2                      | -90.70                    | 1.940            |
| 5,600.0                             | 5,600.0               | 0.0            | 0.0          | 12.5                 | 5,600.0                              | 5,600.0               | -0.6           | -49.9        | 12.50                | 49.9                      | 23.7                      | -90.70                    | 1.906            |
| 5,700.0                             | 5,700.0               | 0.0            | 0.0          | 12.7                 | 5,700.0                              | 5,700.0               | -0.6           | -49.9        | 12.70                | 49.9                      | 23.3                      | -90.70                    | 1.874            |
| 5,800.0                             | 5,800.0               | 0.0            | 0.0          | 12.9                 | 5,800.0                              | 5,800.0               | -0.6           | -49.9        | 12.90                | 49.9                      | 22.8                      | -90.70                    | 1.843            |
| 5,900.0                             | 5,900.0               | 0.0            | 0.0          | 13.1                 | 5,900.0                              | 5,900.0               | -0.6           | -49.9        | 13.10                | 49.9                      | 22.4                      | -90.70                    | 1.813            |

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |                             |                      | Uncertainty Data for Comparison Well |                       |                             |                             |                      | Separation (Ref. > Comp.) |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------|--------------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------|---------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | Ellipse Centre +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | Ellipse Centre +E/-W (usft) | Ellipse Major Axis/2 | Between Centres (usft)    | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 6,000.0                             | 6,000.0               | 0.0                         | 0.0                         | 13.4                 | 6,000.0                              | 6,000.0               | -0.6                        | -49.9                       | 13.40                | 49.9                      | 21.9                      | -90.70                    | 1.784            |
| 6,100.0                             | 6,100.0               | 0.0                         | 0.0                         | 13.6                 | 6,100.0                              | 6,100.0               | -0.6                        | -49.9                       | 13.60                | 49.9                      | 21.5                      | -90.70                    | 1.756            |
| 6,200.0                             | 6,200.0               | 0.0                         | 0.0                         | 13.8                 | 6,200.0                              | 6,200.0               | -0.6                        | -49.9                       | 13.80                | 49.9                      | 21.0                      | -90.70                    | 1.728            |
| 6,300.0                             | 6,300.0               | 0.0                         | 0.0                         | 14.0                 | 6,300.0                              | 6,300.0               | -0.6                        | -49.9                       | 14.00                | 49.9                      | 20.6                      | -90.70                    | 1.702            |
| 6,400.0                             | 6,400.0               | 0.0                         | 0.0                         | 14.3                 | 6,400.0                              | 6,400.0               | -0.6                        | -49.9                       | 14.30                | 49.9                      | 20.2                      | -90.70                    | 1.676            |
| 6,500.0                             | 6,500.0               | 0.0                         | 0.0                         | 14.5                 | 6,500.0                              | 6,500.0               | -0.6                        | -49.9                       | 14.50                | 49.9                      | 19.7                      | -90.70                    | 1.651            |
| 6,600.0                             | 6,600.0               | 0.0                         | 0.0                         | 14.7                 | 6,600.0                              | 6,600.0               | -0.6                        | -49.9                       | 14.70                | 49.9                      | 19.3                      | -90.70                    | 1.627            |
| 6,700.0                             | 6,700.0               | 0.0                         | 0.0                         | 14.9                 | 6,700.0                              | 6,700.0               | -0.6                        | -49.9                       | 14.90                | 49.9                      | 18.8                      | -90.70                    | 1.604            |
| 6,800.0                             | 6,800.0               | 0.0                         | 0.0                         | 15.2                 | 6,800.0                              | 6,800.0               | -0.6                        | -49.9                       | 15.20                | 49.9                      | 18.4                      | -90.70                    | 1.581            |
| 6,900.0                             | 6,900.0               | 0.0                         | 0.0                         | 15.4                 | 6,900.0                              | 6,900.0               | -0.6                        | -49.9                       | 15.40                | 49.9                      | 17.9                      | -90.70                    | 1.559            |
| 7,000.0                             | 7,000.0               | 0.0                         | 0.0                         | 15.6                 | 7,000.0                              | 7,000.0               | -0.6                        | -49.9                       | 15.60                | 49.9                      | 17.5                      | -90.70                    | 1.537            |
| 7,100.0                             | 7,100.0               | 0.0                         | 0.0                         | 15.8                 | 7,100.0                              | 7,100.0               | -0.6                        | -49.9                       | 15.80                | 49.9                      | 17.0                      | -90.70                    | 1.516            |
| 7,200.0                             | 7,200.0               | 0.0                         | 0.0                         | 16.1                 | 7,200.0                              | 7,200.0               | -0.6                        | -49.9                       | 16.10                | 49.9                      | 16.6                      | -90.70                    | 1.496            |
| 7,300.0                             | 7,300.0               | 0.0                         | 0.0                         | 16.3                 | 7,300.0                              | 7,300.0               | -0.6                        | -49.9                       | 16.30                | 49.9                      | 16.1                      | -90.70                    | 1.476            |
| 7,400.0                             | 7,400.0               | 0.0                         | 0.0                         | 16.5                 | 7,400.0                              | 7,400.0               | -0.6                        | -49.9                       | 16.50                | 49.9                      | 15.7                      | -90.70                    | 1.457            |
| 7,500.0                             | 7,500.0               | 0.0                         | 0.0                         | 16.7                 | 7,500.0                              | 7,500.0               | -0.6                        | -49.9                       | 16.70                | 49.9                      | 15.2                      | -90.70                    | 1.438            |
| 7,600.0                             | 7,600.0               | 0.0                         | 0.0                         | 16.9                 | 7,600.0                              | 7,600.0               | -0.6                        | -49.9                       | 16.90                | 49.9                      | 14.8                      | -90.70                    | 1.419            |
| 7,700.0                             | 7,700.0               | 0.0                         | 0.0                         | 17.2                 | 7,700.0                              | 7,700.0               | -0.6                        | -49.9                       | 17.20                | 49.9                      | 14.3                      | -90.70                    | 1.402            |
| 7,800.0                             | 7,800.0               | 0.0                         | 0.0                         | 17.4                 | 7,800.0                              | 7,800.0               | -0.6                        | -49.9                       | 17.40                | 49.9                      | 13.9                      | -90.70                    | 1.384            |
| 7,900.0                             | 7,900.0               | 0.0                         | 0.0                         | 17.6                 | 7,900.0                              | 7,900.0               | -0.6                        | -49.9                       | 17.60                | 49.9                      | 13.4                      | -90.70                    | 1.367            |
| 8,000.0                             | 8,000.0               | 0.0                         | 0.0                         | 17.8                 | 8,000.0                              | 8,000.0               | -0.6                        | -49.9                       | 17.80                | 49.9                      | 13.0                      | -90.70                    | 1.350            |
| 8,100.0                             | 8,100.0               | 0.0                         | 0.0                         | 18.1                 | 8,100.0                              | 8,100.0               | -0.6                        | -49.9                       | 18.10                | 49.9                      | 12.5                      | -90.70                    | 1.334            |
| 8,200.0                             | 8,200.0               | 0.0                         | 0.0                         | 18.3                 | 8,200.0                              | 8,200.0               | -0.6                        | -49.9                       | 18.30                | 49.9                      | 12.1                      | -90.70                    | 1.318            |
| 8,300.0                             | 8,300.0               | 0.0                         | 0.0                         | 18.5                 | 8,300.0                              | 8,300.0               | -0.6                        | -49.9                       | 18.50                | 49.9                      | 11.6                      | -90.70                    | 1.303            |
| 8,400.0                             | 8,400.0               | 0.0                         | 0.0                         | 18.7                 | 8,400.0                              | 8,400.0               | -0.6                        | -49.9                       | 18.70                | 49.9                      | 11.2                      | -90.70                    | 1.288            |
| 8,500.0                             | 8,500.0               | 0.0                         | 0.0                         | 19.0                 | 8,500.0                              | 8,500.0               | -0.6                        | -49.9                       | 19.00                | 49.9                      | 10.7                      | -90.70                    | 1.273            |
| 8,600.0                             | 8,600.0               | 0.0                         | 0.0                         | 19.2                 | 8,600.0                              | 8,600.0               | -0.6                        | -49.9                       | 19.20                | 49.9                      | 10.3                      | -90.70                    | 1.259            |
| 8,700.0                             | 8,700.0               | 0.0                         | 0.0                         | 19.4                 | 8,700.0                              | 8,700.0               | -0.6                        | -49.9                       | 19.40                | 49.9                      | 9.8                       | -90.70                    | 1.245            |
| 8,800.0                             | 8,800.0               | 0.0                         | 0.0                         | 19.6                 | 8,800.0                              | 8,800.0               | -0.6                        | -49.9                       | 19.60                | 49.9                      | 9.4                       | -90.70                    | 1.231            |
| 8,900.0                             | 8,900.0               | 0.0                         | 0.0                         | 19.9                 | 8,900.0                              | 8,900.0               | -0.6                        | -49.9                       | 19.90                | 49.9                      | 8.9                       | -90.70                    | 1.217            |

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |                             |                      | Uncertainty Data for Comparison Well |                       |                             |                             |                      | Separation (Ref. > Comp.) |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------|--------------------------------------|-----------------------|-----------------------------|-----------------------------|----------------------|---------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | Ellipse Centre +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | Ellipse Centre +E/-W (usft) | Ellipse Major Axis/2 | Between Centres (usft)    | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 9,000.0                             | 9,000.0               | 0.0                         | 0.0                         | 20.1                 | 9,000.0                              | 9,000.0               | -0.6                        | -49.9                       | 20.10                | 49.9                      | 8.5                       | -90.70                    | 1.204            |
| 9,100.0                             | 9,100.0               | 0.0                         | 0.0                         | 20.3                 | 9,100.0                              | 9,100.0               | -0.6                        | -49.9                       | 20.30                | 49.9                      | 8.0                       | -90.70                    | 1.191            |
| 9,200.0                             | 9,200.0               | 0.0                         | 0.0                         | 20.5                 | 9,200.0                              | 9,200.0               | -0.6                        | -49.9                       | 20.50                | 49.9                      | 7.6                       | -90.70                    | 1.179            |
| 9,300.0                             | 9,300.0               | 0.0                         | 0.0                         | 20.8                 | 9,300.0                              | 9,300.0               | -0.6                        | -49.9                       | 20.80                | 49.9                      | 7.1                       | -90.70                    | 1.166            |
| 9,400.0                             | 9,400.0               | 0.0                         | 0.0                         | 21.0                 | 9,400.0                              | 9,400.0               | -0.6                        | -49.9                       | 21.00                | 49.9                      | 6.7                       | -90.70                    | 1.154            |
| 9,500.0                             | 9,500.0               | 0.0                         | 0.0                         | 21.2                 | 9,500.0                              | 9,500.0               | -0.6                        | -49.9                       | 21.20                | 49.9                      | 6.2                       | -90.70                    | 1.142            |
| 9,600.0                             | 9,600.0               | 0.0                         | 0.0                         | 21.4                 | 9,600.0                              | 9,600.0               | -0.6                        | -49.9                       | 21.40                | 49.9                      | 5.8                       | -90.70                    | 1.131            |
| 9,700.0                             | 9,700.0               | 0.0                         | 0.0                         | 21.7                 | 9,700.0                              | 9,700.0               | -0.6                        | -49.9                       | 21.70                | 49.9                      | 5.3                       | -90.70                    | 1.119            |
| 9,800.0                             | 9,800.0               | 0.0                         | 0.0                         | 21.9                 | 9,800.0                              | 9,800.0               | -0.6                        | -49.9                       | 21.90                | 49.9                      | 4.9                       | -90.70                    | 1.108            |
| 9,809.6                             | 9,809.6               | 0.0                         | 0.0                         | 21.9                 | 9,809.6                              | 9,809.6               | -0.6                        | -49.9                       | 21.90                | 49.9                      | 4.8                       | -90.70                    | 1.107            |
| 9,900.0                             | 9,900.0               | 0.0                         | 0.0                         | 22.1                 | 9,899.7                              | 9,899.6               | 1.9                         | -50.0                       | 22.10                | 50.1                      | 4.6                       | -87.85                    | 1.100            |
| 10,000.0                            | 10,000.0              | 0.0                         | 0.0                         | 22.3                 | 9,995.0                              | 9,992.8               | 21.0                        | -50.9                       | 22.30                | 55.5                      | 9.8                       | -67.60                    | 1.214            |
| 10,100.0                            | 10,100.0              | 0.0                         | 0.0                         | 22.6                 | 10,079.9                             | 10,071.2              | 53.2                        | -52.2                       | 22.50                | 79.9                      | 35.7                      | -44.45                    | 1.806            |
| 10,200.0                            | 10,200.0              | 0.0                         | 0.0                         | 22.8                 | 10,150.0                             | 10,130.8              | 90.0                        | -53.8                       | 22.70                | 125.6                     | 83.9                      | -30.86                    | 3.012            |
| 10,300.0                            | 10,300.0              | 0.0                         | 0.0                         | 23.0                 | 10,210.5                             | 10,177.4              | 128.5                       | -55.4                       | 22.80                | 186.0                     | 146.3                     | -23.33                    | 4.687            |
| 10,400.0                            | 10,400.0              | 0.0                         | 0.0                         | 23.2                 | 10,258.4                             | 10,210.7              | 162.9                       | -56.9                       | 22.90                | 256.1                     | 218.3                     | -19.24                    | 6.766            |
| 10,500.0                            | 10,500.0              | 0.0                         | 0.0                         | 23.5                 | 10,300.0                             | 10,236.6              | 195.4                       | -58.2                       | 23.10                | 333.0                     | 296.5                     | -16.60                    | 9.105            |
| 10,600.0                            | 10,600.0              | 0.0                         | 0.0                         | 23.7                 | 10,325.0                             | 10,250.8              | 215.9                       | -59.1                       | 23.10                | 414.8                     | 379.7                     | -15.31                    | 11.811           |
| 10,700.0                            | 10,700.0              | 0.0                         | 0.0                         | 23.9                 | 10,350.0                             | 10,263.9              | 237.2                       | -60.0                       | 23.20                | 500.0                     | 465.7                     | -14.20                    | 14.588           |
| 10,750.8                            | 10,750.8              | 0.0                         | 0.0                         | 24.0                 | 10,367.3                             | 10,272.3              | 252.3                       | -60.6                       | 23.30                | 544.3                     | 510.2                     | -13.52                    | 15.934           |
| 10,775.0                            | 10,775.0              | 0.6                         | 0.0                         | 24.1                 | 10,375.0                             | 10,275.9              | 259.1                       | -60.9                       | 23.30                | 565.4                     | 531.3                     | -13.36                    | 16.586           |
| 10,800.0                            | 10,799.9              | 2.5                         | 0.1                         | 24.1                 | 10,375.0                             | 10,275.9              | 259.1                       | -60.9                       | 23.30                | 586.7                     | 552.9                     | -12.28                    | 17.393           |
| 10,825.0                            | 10,824.7              | 5.7                         | 0.1                         | 24.2                 | 10,384.9                             | 10,280.3              | 267.9                       | -61.3                       | 23.40                | 607.4                     | 573.7                     | -11.18                    | 18.036           |
| 10,850.0                            | 10,849.3              | 10.3                        | 0.2                         | 24.3                 | 10,391.3                             | 10,283.0              | 273.7                       | -61.6                       | 23.40                | 627.6                     | 594.1                     | -10.32                    | 18.733           |
| 10,875.0                            | 10,873.6              | 16.0                        | 0.4                         | 24.3                 | 10,400.0                             | 10,286.7              | 281.6                       | -61.9                       | 23.40                | 647.2                     | 613.8                     | -9.57                     | 19.388           |
| 10,900.0                            | 10,897.6              | 23.1                        | 0.5                         | 24.4                 | 10,400.0                             | 10,286.7              | 281.6                       | -61.9                       | 23.40                | 666.3                     | 633.3                     | -9.00                     | 20.180           |
| 10,925.0                            | 10,921.2              | 31.4                        | 0.7                         | 24.4                 | 10,411.7                             | 10,291.3              | 292.4                       | -62.3                       | 23.50                | 684.7                     | 651.7                     | -8.42                     | 20.773           |
| 10,950.0                            | 10,944.3              | 40.9                        | 1.0                         | 24.5                 | 10,425.0                             | 10,296.3              | 304.7                       | -62.9                       | 23.50                | 702.5                     | 669.6                     | -7.93                     | 21.335           |
| 10,975.0                            | 10,966.9              | 51.6                        | 1.2                         | 24.5                 | 10,425.0                             | 10,296.3              | 304.7                       | -62.9                       | 23.50                | 719.6                     | 687.0                     | -7.55                     | 22.095           |

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |              |                      | Uncertainty Data for Comparison Well |                       |                             |              |                      | Separation (Ref. > Comp.) |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|--------------|----------------------|--------------------------------------|-----------------------|-----------------------------|--------------|----------------------|---------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2 | Between Centres (usft)    | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 11,000.0                            | 10,988.8              | 63.5                        | 1.5          | 24.6                 | 10,433.7                             | 10,299.3              | 312.8                       | -63.2        | 23.60                | 736.0                     | 703.6                     | -7.20                     | 22.707           |
| 11,025.0                            | 11,010.2              | 76.5                        | 1.8          | 24.6                 | 10,441.3                             | 10,301.9              | 319.9                       | -63.5        | 23.60                | 751.8                     | 719.6                     | -6.89                     | 23.322           |
| 11,050.0                            | 11,030.8              | 90.7                        | 2.1          | 24.7                 | 10,450.0                             | 10,304.7              | 328.2                       | -63.9        | 23.60                | 766.8                     | 734.8                     | -6.61                     | 23.904           |
| 11,075.0                            | 11,050.7              | 105.8                       | 2.5          | 24.7                 | 10,450.0                             | 10,304.7              | 328.2                       | -63.9        | 23.60                | 781.2                     | 749.5                     | -6.37                     | 24.598           |
| 11,100.0                            | 11,069.7              | 122.0                       | 2.9          | 24.8                 | 10,464.7                             | 10,309.0              | 342.3                       | -64.5        | 23.70                | 794.8                     | 763.0                     | -6.16                     | 25.053           |
| 11,125.0                            | 11,087.9              | 139.2                       | 3.3          | 24.8                 | 10,475.0                             | 10,311.8              | 352.1                       | -64.9        | 23.80                | 807.6                     | 776.0                     | -5.98                     | 25.566           |
| 11,150.0                            | 11,105.1              | 157.3                       | 3.7          | 24.9                 | 10,475.0                             | 10,311.8              | 352.1                       | -64.9        | 23.80                | 819.7                     | 788.4                     | -5.81                     | 26.174           |
| 11,175.0                            | 11,121.4              | 176.3                       | 4.1          | 25.0                 | 10,489.1                             | 10,315.3              | 365.8                       | -65.4        | 23.80                | 831.0                     | 799.7                     | -5.68                     | 26.576           |
| 11,200.0                            | 11,136.6              | 196.1                       | 4.6          | 25.0                 | 10,500.0                             | 10,317.7              | 376.4                       | -65.9        | 23.90                | 841.5                     | 810.3                     | -5.56                     | 26.997           |
| 11,225.0                            | 11,150.8              | 216.6                       | 5.1          | 25.1                 | 10,500.0                             | 10,317.7              | 376.4                       | -65.9        | 23.90                | 851.3                     | 820.3                     | -5.44                     | 27.516           |
| 11,250.0                            | 11,163.9              | 237.9                       | 5.6          | 25.2                 | 10,514.0                             | 10,320.4              | 390.1                       | -66.5        | 24.00                | 860.1                     | 829.2                     | -5.36                     | 27.840           |
| 11,275.0                            | 11,175.9              | 259.9                       | 6.1          | 25.3                 | 10,525.0                             | 10,322.3              | 401.0                       | -66.9        | 24.00                | 868.2                     | 837.4                     | -5.29                     | 28.169           |
| 11,300.0                            | 11,186.7              | 282.4                       | 6.6          | 25.4                 | 10,525.0                             | 10,322.3              | 401.0                       | -66.9        | 24.00                | 875.6                     | 844.9                     | -5.21                     | 28.568           |
| 11,325.0                            | 11,196.3              | 305.5                       | 7.1          | 25.5                 | 10,539.4                             | 10,324.4              | 415.2                       | -67.5        | 24.10                | 882.0                     | 851.3                     | -5.18                     | 28.792           |
| 11,350.0                            | 11,204.7              | 329.0                       | 7.7          | 25.6                 | 10,550.0                             | 10,325.6              | 425.7                       | -68.0        | 24.20                | 887.6                     | 857.0                     | -5.15                     | 29.016           |
| 11,375.0                            | 11,211.8              | 353.0                       | 8.3          | 25.7                 | 10,550.0                             | 10,325.6              | 425.7                       | -68.0        | 24.20                | 892.5                     | 862.0                     | -5.09                     | 29.274           |
| 11,400.0                            | 11,217.7              | 377.3                       | 8.8          | 25.8                 | 10,565.1                             | 10,327.0              | 440.8                       | -68.6        | 24.20                | 896.3                     | 865.8                     | -5.10                     | 29.385           |
| 11,425.0                            | 11,222.3              | 401.8                       | 9.4          | 25.9                 | 10,575.0                             | 10,327.6              | 450.6                       | -69.0        | 24.30                | 899.4                     | 868.9                     | -5.10                     | 29.491           |
| 11,450.0                            | 11,225.6              | 426.6                       | 10.0         | 26.1                 | 10,575.0                             | 10,327.6              | 450.6                       | -69.0        | 24.30                | 901.8                     | 871.3                     | -5.08                     | 29.595           |
| 11,475.0                            | 11,227.6              | 451.5                       | 10.6         | 26.2                 | 10,591.0                             | 10,328.2              | 466.6                       | -69.7        | 24.40                | 903.1                     | 872.6                     | -5.12                     | 29.588           |
| 11,500.0                            | 11,228.3              | 476.5                       | 11.1         | 26.3                 | 10,600.0                             | 10,328.3              | 475.6                       | -70.1        | 24.40                | 903.7                     | 873.1                     | -5.16                     | 29.565           |
| 11,507.5                            | 11,228.3              | 484.0                       | 11.3         | 26.4                 | 10,600.0                             | 10,328.3              | 475.6                       | -70.1        | 24.40                | 903.7                     | 873.1                     | -5.16                     | 29.554           |
| 11,514.4                            | 11,228.2              | 490.9                       | 11.5         | 26.4                 | 10,604.7                             | 10,328.3              | 480.2                       | -70.3        | 24.50                | 903.6                     | 873.0                     | -5.17                     | 29.533           |
| 11,600.0                            | 11,227.0              | 576.5                       | 13.5         | 26.9                 | 10,684.7                             | 10,327.2              | 560.2                       | -73.7        | 25.00                | 904.1                     | 873.2                     | -5.51                     | 29.254           |
| 11,700.0                            | 11,225.6              | 676.4                       | 15.8         | 27.6                 | 10,784.5                             | 10,325.8              | 659.9                       | -77.9        | 25.80                | 904.8                     | 873.5                     | -5.92                     | 28.863           |
| 11,800.0                            | 11,224.2              | 776.4                       | 18.2         | 28.5                 | 10,884.3                             | 10,324.4              | 759.6                       | -82.1        | 26.60                | 905.5                     | 873.6                     | -6.33                     | 28.415           |
| 11,900.0                            | 11,222.8              | 876.3                       | 20.5         | 29.4                 | 10,984.0                             | 10,323.0              | 859.2                       | -86.3        | 27.60                | 906.3                     | 873.8                     | -6.74                     | 27.916           |
| 12,000.0                            | 11,221.4              | 976.3                       | 22.8         | 30.4                 | 11,083.8                             | 10,321.6              | 958.9                       | -90.6        | 28.70                | 907.1                     | 873.9                     | -7.15                     | 27.374           |
| 12,100.0                            | 11,220.0              | 1,076.3                     | 25.2         | 31.4                 | 11,183.6                             | 10,320.2              | 1,058.6                     | -94.8        | 29.80                | 907.9                     | 874.0                     | -7.56                     | 26.797           |
| 12,200.0                            | 11,218.6              | 1,176.2                     | 27.5         | 32.5                 | 11,283.4                             | 10,318.8              | 1,158.3                     | -99.0        | 31.00                | 908.8                     | 874.1                     | -7.97                     | 26.193           |

**Anticollision Report for Cannon BS3 State Com 1H - Plan #1**

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |              |                      | Uncertainty Data for Comparison Well |                       |                             |              | Separation (Ref. > Comp.) |                        |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|--------------|----------------------|--------------------------------------|-----------------------|-----------------------------|--------------|---------------------------|------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2      | Between Centres (usft) | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 12,300.0                            | 11,217.2              | 1,276.2                     | 29.8         | 33.7                 | 11,383.2                             | 10,317.4              | 1,258.0                     | -103.2       | 32.20                     | 909.7                  | 874.2                     | -8.38                     | 25.568           |
| 12,400.0                            | 11,215.8              | 1,376.2                     | 32.2         | 35.0                 | 11,483.0                             | 10,316.0              | 1,357.7                     | -107.4       | 33.50                     | 910.7                  | 874.2                     | -8.79                     | 24.930           |
| 12,500.0                            | 11,214.4              | 1,476.1                     | 34.5         | 36.3                 | 11,582.7                             | 10,314.6              | 1,457.4                     | -111.7       | 34.90                     | 911.8                  | 874.2                     | -9.20                     | 24.284           |
| 12,600.0                            | 11,213.0              | 1,576.1                     | 36.9         | 37.6                 | 11,682.5                             | 10,313.3              | 1,557.0                     | -115.9       | 36.30                     | 912.8                  | 874.2                     | -9.60                     | 23.635           |
| 12,700.0                            | 11,211.6              | 1,676.0                     | 39.2         | 39.0                 | 11,782.3                             | 10,311.9              | 1,656.7                     | -120.1       | 37.70                     | 914.0                  | 874.2                     | -10.01                    | 22.988           |
| 12,800.0                            | 11,210.2              | 1,776.0                     | 41.5         | 40.4                 | 11,882.1                             | 10,310.5              | 1,756.4                     | -124.3       | 39.20                     | 915.1                  | 874.2                     | -10.41                    | 22.346           |
| 12,900.0                            | 11,208.8              | 1,876.0                     | 43.9         | 41.8                 | 11,981.9                             | 10,309.1              | 1,856.1                     | -128.5       | 40.70                     | 916.3                  | 874.1                     | -10.81                    | 21.713           |
| 13,000.0                            | 11,207.4              | 1,975.9                     | 46.2         | 43.3                 | 12,081.7                             | 10,307.7              | 1,955.8                     | -132.8       | 42.20                     | 917.6                  | 874.1                     | -11.21                    | 21.092           |
| 13,100.0                            | 11,206.0              | 2,075.9                     | 48.5         | 44.8                 | 12,181.4                             | 10,306.3              | 2,055.5                     | -137.0       | 43.80                     | 918.9                  | 874.0                     | -11.62                    | 20.483           |
| 13,200.0                            | 11,204.6              | 2,175.9                     | 50.9         | 46.3                 | 12,281.2                             | 10,304.9              | 2,155.2                     | -141.2       | 45.40                     | 920.3                  | 874.0                     | -12.01                    | 19.889           |
| 13,300.0                            | 11,203.2              | 2,275.8                     | 53.2         | 47.9                 | 12,381.0                             | 10,303.5              | 2,254.8                     | -145.4       | 47.00                     | 921.6                  | 873.9                     | -12.41                    | 19.312           |
| 13,400.0                            | 11,201.8              | 2,375.8                     | 55.6         | 49.4                 | 12,480.8                             | 10,302.1              | 2,354.5                     | -149.6       | 48.60                     | 923.1                  | 873.9                     | -12.81                    | 18.751           |
| 13,500.0                            | 11,200.4              | 2,475.7                     | 57.9         | 51.0                 | 12,580.6                             | 10,300.7              | 2,454.2                     | -153.9       | 50.20                     | 924.6                  | 873.8                     | -13.21                    | 18.207           |
| 13,600.0                            | 11,199.0              | 2,575.7                     | 60.2         | 52.6                 | 12,680.4                             | 10,299.3              | 2,553.9                     | -158.1       | 51.80                     | 926.1                  | 873.7                     | -13.60                    | 17.681           |
| 13,700.0                            | 11,197.7              | 2,675.7                     | 62.6         | 54.2                 | 12,780.2                             | 10,297.9              | 2,653.6                     | -162.3       | 53.50                     | 927.7                  | 873.6                     | -13.99                    | 17.173           |
| 13,800.0                            | 11,196.3              | 2,775.6                     | 64.9         | 55.8                 | 12,879.9                             | 10,296.5              | 2,753.3                     | -166.5       | 55.10                     | 929.3                  | 873.6                     | -14.39                    | 16.683           |
| 13,900.0                            | 11,194.9              | 2,875.6                     | 67.2         | 57.5                 | 12,979.7                             | 10,295.1              | 2,852.9                     | -170.7       | 56.80                     | 930.9                  | 873.5                     | -14.78                    | 16.210           |
| 14,000.0                            | 11,193.5              | 2,975.6                     | 69.6         | 59.1                 | 13,079.5                             | 10,293.7              | 2,952.6                     | -175.0       | 58.50                     | 932.6                  | 873.4                     | -15.16                    | 15.755           |
| 14,100.0                            | 11,192.1              | 3,075.5                     | 71.9         | 60.8                 | 13,179.3                             | 10,292.4              | 3,052.3                     | -179.2       | 60.20                     | 934.4                  | 873.4                     | -15.55                    | 15.316           |
| 14,200.0                            | 11,190.7              | 3,175.5                     | 74.3         | 62.4                 | 13,279.1                             | 10,291.0              | 3,152.0                     | -183.4       | 61.90                     | 936.2                  | 873.3                     | -15.94                    | 14.894           |
| 14,300.0                            | 11,189.3              | 3,275.4                     | 76.6         | 64.1                 | 13,378.9                             | 10,289.6              | 3,251.7                     | -187.6       | 63.60                     | 938.0                  | 873.3                     | -16.32                    | 14.488           |
| 14,400.0                            | 11,187.9              | 3,375.4                     | 78.9         | 65.8                 | 13,478.6                             | 10,288.2              | 3,351.4                     | -191.8       | 65.30                     | 939.9                  | 873.2                     | -16.71                    | 14.097           |
| 14,500.0                            | 11,186.5              | 3,475.4                     | 81.3         | 67.5                 | 13,578.4                             | 10,286.8              | 3,451.1                     | -196.1       | 67.00                     | 941.8                  | 873.2                     | -17.09                    | 13.722           |
| 14,600.0                            | 11,185.1              | 3,575.3                     | 83.6         | 69.2                 | 13,678.2                             | 10,285.4              | 3,550.7                     | -200.3       | 68.80                     | 943.7                  | 873.1                     | -17.47                    | 13.360           |
| 14,700.0                            | 11,183.7              | 3,675.3                     | 86.0         | 70.9                 | 13,778.0                             | 10,284.0              | 3,650.4                     | -204.5       | 70.50                     | 945.7                  | 873.1                     | -17.85                    | 13.013           |
| 14,800.0                            | 11,182.3              | 3,775.3                     | 88.3         | 72.6                 | 13,877.8                             | 10,282.6              | 3,750.1                     | -208.7       | 72.20                     | 947.8                  | 873.0                     | -18.22                    | 12.679           |
| 14,900.0                            | 11,180.9              | 3,875.2                     | 90.6         | 74.3                 | 13,977.6                             | 10,281.2              | 3,849.8                     | -212.9       | 74.00                     | 949.9                  | 873.0                     | -18.60                    | 12.358           |
| 15,000.0                            | 11,179.5              | 3,975.2                     | 93.0         | 76.0                 | 14,077.4                             | 10,279.8              | 3,949.5                     | -217.2       | 75.70                     | 952.0                  | 873.0                     | -18.97                    | 12.049           |
| 15,100.0                            | 11,178.1              | 4,075.2                     | 95.3         | 77.7                 | 14,177.1                             | 10,278.4              | 4,049.2                     | -221.4       | 77.50                     | 954.1                  | 873.0                     | -19.34                    | 11.753           |

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft . Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |              |                      | Uncertainty Data for Comparison Well |                       |                             |              |                      | Separation (Ref. > Comp.) |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|--------------|----------------------|--------------------------------------|-----------------------|-----------------------------|--------------|----------------------|---------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2 | Between Centres (usft)    | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 15,200.0                            | 11,176.7              | 4,175.1                     | 97.6         | 79.4                 | 14,276.9                             | 10,277.0              | 4,148.9                     | -225.6       | 79.20                | 956.3                     | 872.9                     | -19.71                    | 11.467           |
| 15,300.0                            | 11,175.3              | 4,275.1                     | 100.0        | 81.2                 | 14,376.7                             | 10,275.6              | 4,248.5                     | -229.8       | 81.00                | 958.6                     | 872.9                     | -20.08                    | 11.192           |
| 15,400.0                            | 11,173.9              | 4,375.0                     | 102.3        | 82.9                 | 14,476.5                             | 10,274.2              | 4,348.2                     | -234.0       | 82.80                | 960.9                     | 872.9                     | -20.45                    | 10.928           |
| 15,500.0                            | 11,172.5              | 4,475.0                     | 104.7        | 84.6                 | 14,576.3                             | 10,272.8              | 4,447.9                     | -238.3       | 84.50                | 963.2                     | 872.9                     | -20.82                    | 10.674           |
| 15,600.0                            | 11,171.1              | 4,575.0                     | 107.0        | 86.4                 | 14,676.1                             | 10,271.5              | 4,547.6                     | -242.5       | 86.30                | 965.5                     | 873.0                     | -21.18                    | 10.429           |
| 15,700.0                            | 11,169.7              | 4,674.9                     | 109.3        | 88.1                 | 14,775.8                             | 10,270.1              | 4,647.3                     | -246.7       | 88.10                | 967.9                     | 873.0                     | -21.54                    | 10.193           |
| 15,800.0                            | 11,168.3              | 4,774.9                     | 111.7        | 89.9                 | 14,875.6                             | 10,268.7              | 4,747.0                     | -250.9       | 89.80                | 970.4                     | 873.0                     | -21.90                    | 9.966            |
| 15,900.0                            | 11,166.9              | 4,874.9                     | 114.0        | 91.6                 | 14,975.4                             | 10,267.3              | 4,846.7                     | -255.1       | 91.60                | 972.9                     | 873.1                     | -22.26                    | 9.748            |
| 16,000.0                            | 11,165.5              | 4,974.8                     | 116.3        | 93.4                 | 15,075.2                             | 10,265.9              | 4,946.3                     | -259.4       | 93.40                | 975.4                     | 873.1                     | -22.61                    | 9.537            |
| 16,100.0                            | 11,164.1              | 5,074.8                     | 118.7        | 95.1                 | 15,175.0                             | 10,264.5              | 5,046.0                     | -263.6       | 95.20                | 977.9                     | 873.1                     | -22.97                    | 9.334            |
| 16,200.0                            | 11,162.7              | 5,174.7                     | 121.0        | 96.9                 | 15,274.8                             | 10,263.1              | 5,145.7                     | -267.8       | 97.00                | 980.5                     | 873.2                     | -23.32                    | 9.139            |
| 16,300.0                            | 11,161.4              | 5,274.7                     | 123.4        | 98.7                 | 15,374.5                             | 10,261.7              | 5,245.4                     | -272.0       | 98.70                | 983.1                     | 873.3                     | -23.67                    | 8.950            |
| 16,400.0                            | 11,160.0              | 5,374.7                     | 125.7        | 100.4                | 15,474.3                             | 10,260.3              | 5,345.1                     | -276.2       | 100.50               | 985.8                     | 873.4                     | -24.02                    | 8.768            |
| 16,500.0                            | 11,158.6              | 5,474.6                     | 128.0        | 102.2                | 15,574.1                             | 10,258.9              | 5,444.8                     | -280.4       | 102.30               | 988.5                     | 873.4                     | -24.37                    | 8.592            |
| 16,600.0                            | 11,157.2              | 5,574.6                     | 130.4        | 104.0                | 15,673.9                             | 10,257.5              | 5,544.5                     | -284.7       | 104.10               | 991.2                     | 873.5                     | -24.71                    | 8.423            |
| 16,700.0                            | 11,155.8              | 5,674.6                     | 132.7        | 105.7                | 15,773.7                             | 10,256.1              | 5,644.1                     | -288.9       | 105.90               | 994.0                     | 873.6                     | -25.05                    | 8.259            |
| 16,800.0                            | 11,154.4              | 5,774.5                     | 135.0        | 107.5                | 15,873.5                             | 10,254.7              | 5,743.8                     | -293.1       | 107.70               | 996.8                     | 873.8                     | -25.40                    | 8.101            |
| 16,900.0                            | 11,153.0              | 5,874.5                     | 137.4        | 109.3                | 15,973.3                             | 10,253.3              | 5,843.5                     | -297.3       | 109.50               | 999.6                     | 873.9                     | -25.73                    | 7.949            |
| 17,000.0                            | 11,151.6              | 5,974.4                     | 139.7        | 111.0                | 16,073.0                             | 10,252.0              | 5,943.2                     | -301.5       | 111.30               | 1,002.5                   | 874.0                     | -26.07                    | 7.801            |
| 17,100.0                            | 11,150.2              | 6,074.4                     | 142.1        | 112.8                | 16,172.8                             | 10,250.6              | 6,042.9                     | -305.8       | 113.10               | 1,005.4                   | 874.1                     | -26.41                    | 7.659            |
| 17,200.0                            | 11,148.8              | 6,174.4                     | 144.4        | 114.6                | 16,272.6                             | 10,249.2              | 6,142.6                     | -310.0       | 114.90               | 1,008.4                   | 874.3                     | -26.74                    | 7.521            |
| 17,300.0                            | 11,147.4              | 6,274.3                     | 146.7        | 116.4                | 16,372.4                             | 10,247.8              | 6,242.3                     | -314.2       | 116.70               | 1,011.3                   | 874.5                     | -27.07                    | 7.388            |
| 17,400.0                            | 11,146.0              | 6,374.3                     | 149.1        | 118.2                | 16,472.2                             | 10,246.4              | 6,341.9                     | -318.4       | 118.50               | 1,014.4                   | 874.6                     | -27.40                    | 7.259            |
| 17,500.0                            | 11,144.6              | 6,474.3                     | 151.4        | 119.9                | 16,572.0                             | 10,245.0              | 6,441.6                     | -322.6       | 120.30               | 1,017.4                   | 874.8                     | -27.73                    | 7.135            |
| 17,600.0                            | 11,143.2              | 6,574.2                     | 153.7        | 121.7                | 16,671.7                             | 10,243.6              | 6,541.3                     | -326.9       | 122.10               | 1,020.5                   | 875.0                     | -28.05                    | 7.014            |
| 17,700.0                            | 11,141.8              | 6,674.2                     | 156.1        | 123.5                | 16,771.5                             | 10,242.2              | 6,641.0                     | -331.1       | 123.90               | 1,023.6                   | 875.2                     | -28.38                    | 6.897            |
| 17,800.0                            | 11,140.4              | 6,774.2                     | 158.4        | 125.3                | 16,871.3                             | 10,240.8              | 6,740.7                     | -335.3       | 125.70               | 1,026.7                   | 875.4                     | -28.70                    | 6.784            |
| 17,900.0                            | 11,139.0              | 6,874.1                     | 160.8        | 127.1                | 16,971.1                             | 10,239.4              | 6,840.4                     | -339.5       | 127.50               | 1,029.9                   | 875.6                     | -29.02                    | 6.675            |
| 18,000.0                            | 11,137.6              | 6,974.1                     | 163.1        | 128.9                | 17,070.9                             | 10,238.0              | 6,940.0                     | -343.7       | 129.30               | 1,033.1                   | 875.8                     | -29.34                    | 6.569            |
| 18,100.0                            | 11,136.2              | 7,074.0                     | 165.4        | 130.6                | 17,170.7                             | 10,236.6              | 7,039.7                     | -348.0       | 131.10               | 1,036.4                   | 876.1                     | -29.65                    | 6.466            |

**Anticollision Report for Cannon BS3 State Com 1H - Plan #1**

Offset Design: Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1 - Plan #1

0-MWD

Closest Approach 3D Proximity Scan on Current Survey Data (Highside Reference)

Scan Range: 0.0 to 18,789.0 usft. Measured Depth.

Scan Radius is 10,000.0 usft. Clearance Factor cutoff is Unlimited. Max Ellipse Separation is Unlimited

| Uncertainty Data for Reference Well |                       |                             |              |                      | Uncertainty Data for Comparison Well |                       |                             |              | Separation (Ref. > Comp.) |                        |                           |                           |                  |
|-------------------------------------|-----------------------|-----------------------------|--------------|----------------------|--------------------------------------|-----------------------|-----------------------------|--------------|---------------------------|------------------------|---------------------------|---------------------------|------------------|
| Measured Depth (usft)               | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2 | Measured Depth (usft)                | Vertical Depth (usft) | Ellipse Centre +N/-S (usft) | +E/-W (usft) | Ellipse Major Axis/2      | Between Centres (usft) | Between Ellipsoids (usft) | Relative Highside Bearing | Clearance Factor |
| 18,200.0                            | 11,134.8              | 7,174.0                     | 167.8        | 132.4                | 17,270.5                             | 10,235.2              | 7,139.4                     | -352.2       | 132.90                    | 1,039.6                | 876.3                     | -29.97                    | 6.366            |
| 18,300.0                            | 11,133.4              | 7,274.0                     | 170.1        | 134.2                | 17,370.2                             | 10,233.8              | 7,239.1                     | -356.4       | 134.80                    | 1,042.9                | 876.6                     | -30.28                    | 6.270            |
| 18,400.0                            | 11,132.0              | 7,373.9                     | 172.4        | 136.0                | 17,470.0                             | 10,232.4              | 7,338.8                     | -360.6       | 136.60                    | 1,046.3                | 876.8                     | -30.59                    | 6.176            |
| 18,500.0                            | 11,130.6              | 7,473.9                     | 174.8        | 137.8                | 17,569.8                             | 10,231.1              | 7,438.5                     | -364.8       | 138.40                    | 1,049.6                | 877.1                     | -30.90                    | 6.085            |
| 18,600.0                            | 11,129.2              | 7,573.9                     | 177.1        | 139.6                | 17,669.6                             | 10,229.7              | 7,538.2                     | -369.1       | 140.20                    | 1,053.0                | 877.4                     | -31.20                    | 5.997            |
| 18,700.0                            | 11,127.8              | 7,673.8                     | 179.5        | 141.4                | 17,769.4                             | 10,228.3              | 7,637.8                     | -373.3       | 142.00                    | 1,056.4                | 877.7                     | -31.51                    | 5.911            |
| 18,789.0                            | 11,126.6              | 7,762.8                     | 181.5        | 143.0                | 17,858.2                             | 10,227.0              | 7,726.6                     | -377.0       | 143.60                    | 1,059.5                | 878.0                     | -31.77                    | 5.837            |

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Anticollision Report for Cannon BS3 State Com 1H - Plan #1

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Reference Well Survey tool program

| From<br>(usft) | To<br>(usft) | Survey/Plan | Survey Tool |
|----------------|--------------|-------------|-------------|
| 0.0            | 18,789.0     | Plan #1     | MWD         |

Anticollision Info

|              |                     |                      |            |
|--------------|---------------------|----------------------|------------|
| Error Model: | ISCWSA              | Output errors are at | 2.00 sigma |
| Scan Method: | Closest Approach 3D |                      |            |

Ellipse error terms are correlated across survey tool tie-on points.

Calculated ellipses incorporate surface errors.

Separation is the actual distance between ellipsoids.

Distance Between centres is the straight line distance between wellbore centres.

Clearance Factor = Distance Between Profiles / (Distance Between Profiles - Ellipse Separation).

All station coordinates were calculated using the Minimum Curvature method.

## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

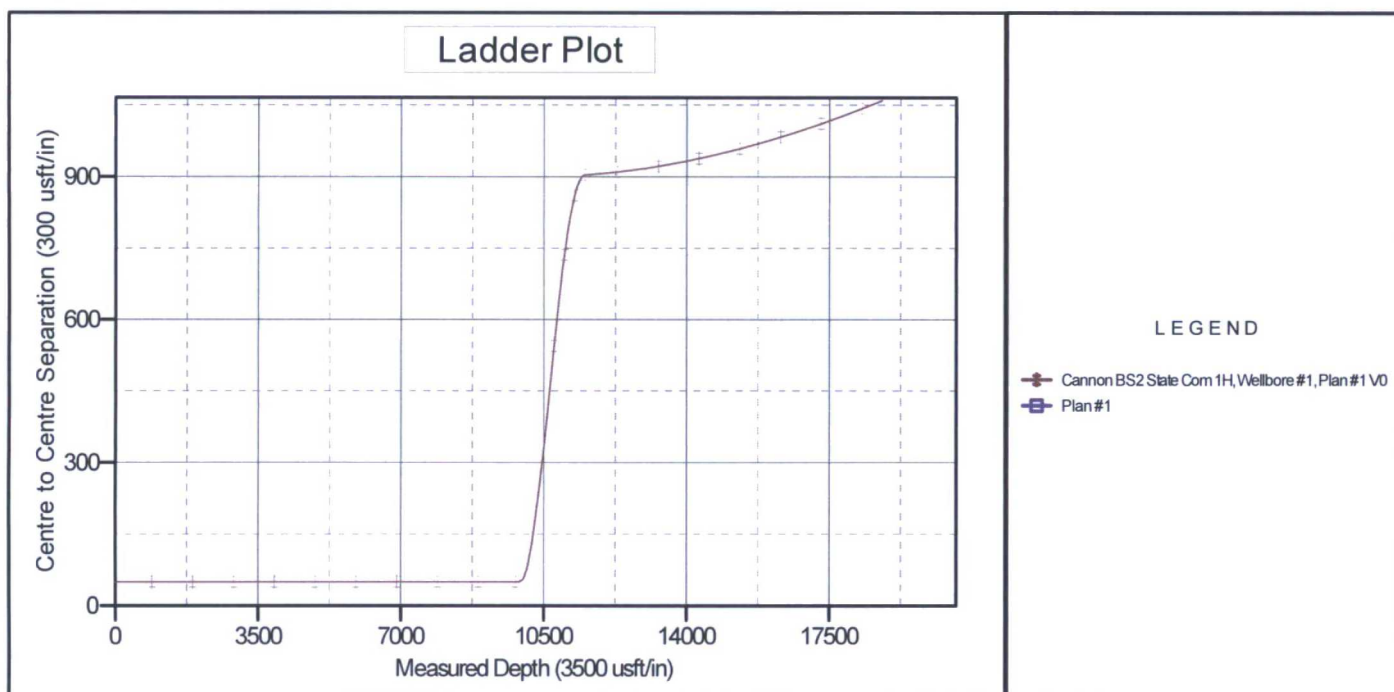
Direction and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GE 3550.1 + 25 KB @ 3575.1 usft (25' KB). Northing and Easting are relative to Cannon BS3 State Com 1H.

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001.

Central Meridian is -104.00°, Grid Convergence at Surface is: 0.50°.

Summary is based on Minimum Centre Distance



## Anticollision Report for Cannon BS3 State Com 1H - Plan #1

Clearance Factor Plot: Measured Depth versus Separation(Clearance) Factor

