PSI
PRECISION SURVEYING INC.

Company: Phoenix Surveying
Well: Bridal Creek 24-5H
Field: Bakken
County: Divide
State: North Dakota
Country: USA
Declination: 8.63°
Grid: Grid
Survey Date: 10/27/2017
Magnetic Model: IGRF2015
Total Corr: 8.63°
Grid Convergence: -0.00°
Vertical Section Azimuth: 90.00°
Vertical Section Origin: 0.00 N, 0.00 E
TVD Reference Datum: KB
TVD Reference Elevation: 2,000.00 ft above MSL
Seabed/Ground Elevation: 1,975.00 ft above MSL
Magnetic Declination: 8.63°
Total Field Strength: 56,552.00 nT
Magnetic Dip Angle: 73.08°
Declination Date: 10/27/2017
Magnetic Declination Model: IGRF2015
North Reference: True
Grid Convergence Used: 0.00°
Total Corr Mag North->True North: 8.63°
Local Coordinates Referenced To: Well Head

Bridal Creek 24-5H
Sec 5 T153N R97W
Divide County, North Dakota
API# 33-023-02888
Oasis Petroleum North America LLC

Survey Type: Def Survey
Survey Error Model: ISCWSA Rev 0
Survey Program: Def Survey
Start Date: 10/27/2017
End Date: 10/27/2017
Tie On MD: 0.00
Tie On TVD: 0.00
Tie On Inc: 0.00
Tie On Azi: 0.00
Tie On Source: Def Survey

Measured Depth (ft) | Inclination (°) | Azimuth (°) | True Vertical Depth (ft) | Vertical Section (ft) | Northing (ft) | Easting (ft) | Dogleg Severity (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | Tool Face (°) | Survey Tool Type | Survey Comment

0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Def Survey | Def Survey

Survey Certification:
Principal Interviewed: Matt Dusek
Scope of Survey: Survey
Survey Standard: Def Survey
Survey Type: Def Survey
Survey Accepted: Yes

Error Model: ISCWSA Rev 0
Starting Northing (ft): 0.00
Starting Easting (ft): 0.00
Vertical Section Azimuth: 90.00°
Vertical Section Origin: 0.00 N, 0.00 E
Survey Program: Def Survey
Survey Start Date: 10/27/2017
Survey End Date: 10/27/2017
Tie On MD: 0.00
Tie On TVD: 0.00
Tie On Inc: 0.00
Tie On Azi: 0.00
Tie On Source: Def Survey

Survey Company: Phoenix Surveying
Job Number: PSI-2017-10-0888
Survey Calculation Method: Minimum Curvature
Survey Error Model: ISCWSA Rev 0
Survey Error Model Description: ISCWSA Rev 0