Weatherford International plc
Weatherford Canada Partnership
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**WEATHERFORD**

**Directional Survey Certification Sheet**

| | |
|---|---|
| Company | Cenovus Energy Inc. |
| Well Name | 100/16-09-013-04W1/00 |
| Rig Name | Precision Drilling Trinidad 542 |
| Surface Hole Location | Lsd 16 Sec 09 Twp 013 Rge 04 W1M |
| Bottom Hole Location | Lsd 09 Sec 09 Twp 013 Rge 04 W1M |
| Field | Medicine Hat |
| Province | Alberta |
| Country | Canada |
| Declination | 10.11 |
| Grid Correction | 0.00 |
| Total Correction | 10.11 |
| Vertical Section Direction | 0.00 |
| Calculation Method | Minimum Curvature |
| Survey Calculation Method | Minimum Curvature |
| Survey Job Type | Definitive |
| Survey Report Date | 2012/11/15 |
| Survey Job Start Date | 2012/11/11 |
| Survey Job End Date | 2012/11/12 |
| Weatherford Survey Job Number | CAWFD0000000000 |

| Survey Type | Survey From (m) | Survey To (m) | Survey Interval (m) |
|---|---|---|---|
| Actual | 0.00 | 2,180.00 | 2,180.00 |
| Projection | 2,180.00 | 2,200.00 | 20.00 |

Comments

Annular volume calculated for 8 7/8" casing
Cake Filling Rig 21
Thank you for using Precise Surveys.
AFE # 09-13-013W4/ 00

Company: Cenovus Energy Inc.
Well: 100/16-09-013-04W1/00
Rig: Precision Drilling Trinidad 542
Survey Calculation Method: Minimum Curvature
Vertical Section Direction: 0.00
Declination: 10.11
Grid Correction: 0.00
Total Correction: 10.11
Survey Job Start Date: 2012/11/11
Survey Job End Date: 2012/11/12
Weatherford Survey Job Number: CAWFD0000000000
Lsd 16 Sec 09 Twp 013 Rge 04 W1M
Lsd 09 Sec 09 Twp 013 Rge 04 W1M
Alberta
Canada
Depth Reference: Rig 21 RT @ 1,000.00m (Rig 21 RT)
Depth Is Plotted: Depth Is Drilled
Depth Is Type: Depth Is Type Logged

Vertical Section (m) 0 to 2,200 (1:1000)
Survey Points
Survey Projection
Survey Tie-In
Survey Change @ 1,000.00m
Survey Change @ 1,180.00m
Survey Change @ 1,200.00m
Survey Change @ 1,220.00m
Survey Change @ 1,240.00m
Survey Change @ 1,260.00m
Survey Change @ 1,280.00m
Survey Change @ 1,300.00m
Survey Change @ 1,320.00m
Survey Change @ 1,340.00m
Survey Change @ 1,360.00m
Survey Change @ 1,380.00m
Survey Change @ 1,400.00m
Survey Change @ 1,420.00m
Survey Change @ 1,440.00m
Survey Change @ 1,460.00m
Survey Change @ 1,480.00m
Survey Change @ 1,500.00m
Survey Change @ 1,520.00m
Survey Change @ 1,540.00m
Survey Change @ 1,560.00m
Survey Change @ 1,580.00m
Survey Change @ 1,600.00m
Survey Change @ 1,620.00m
Survey Change @ 1,640.00m
Survey Change @ 1,660.00m
Survey Change @ 1,680.00m
Survey Change @ 1,700.00m
Survey Change @ 1,720.00m
Survey Change @ 1,740.00m
Survey Change @ 1,760.00m
Survey Change @ 1,780.00m
Survey Change @ 1,800.00m
Survey Change @ 1,820.00m
Survey Change @ 1,840.00m
Survey Change @ 1,860.00m
Survey Change @ 1,880.00m
Survey Change @ 1,900.00m
Survey Change @ 1,920.00m
Survey Change @ 1,940.00m
Survey Change @ 1,960.00m
Survey Change @ 1,980.00m
Survey Change @ 2,000.00m
Survey Change @ 2,020.00m
Survey Change @ 2,040.00m
Survey Change @ 2,060.00m
Survey Change @ 2,080.00m
Survey Change @ 2,100.00m
Survey Change @ 2,120.00m
Survey Change @ 2,140.00m
Survey Change @ 2,160.00m
Survey Change @ 2,180.00m
Survey Change @ 2,200.00m