

Client.....: Beach Petroleum
Field.....: Fermat
Well.....: Fermat-1
API number.....: 08ASQ0034
Engineer.....: Joshua Seevaratnam
Rig.....: West Triton
STATE.....: VIC

Spud date.....: 14-Dec-08
Last survey date.....: 21-Dec-08
Total accepted surveys...: 33
MD of first survey.....: 0.00 m
MD of last survey.....: 1141.71 m

Survey calculation methods
Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

Geomagnetic data
Magnetic model.....: BGGM version 2008
Magnetic date.....: 15-Dec-2008
Magnetic field strength...: 1214.44 HCNT
Magnetic dec (+E/W-).....: 9.87 degrees
Magnetic dip.....: -69.62 degrees

Depth reference
Permanent datum.....: Mean Sea Level
Depth reference.....: Driller's Depth
GL above permanent.....: 81.00 m
KB above permanent.....: 43.00 m
DF above permanent.....: 43.00 m

MWD survey Reference Criteria
Reference G.....: 1000.02 mGal
Reference H.....: 1214.44 HCNT
Reference Dip.....: -69.62 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

Vertical section origin
Latitude (+N/S-).....: 0.00 m
Departure (+E/W-).....: 0.00 m

Corrections
Magnetic dec (+E/W-).....: 9.87 degrees
Grid convergence (+E/W-)..: -0.03 degrees
Total az corr (+E/W-).....: 9.90 degrees
(Total az corr = magnetic dec - grid conv)

Platform reference point
Latitude (+N/S-).....: 0.00 m
Departure (+E/W-).....: 0.00 m

Azimuth from Vsect Origin to target: 0.00 degrees

Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

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SCHLUMBERGER Survey Report

Table with 13 columns: Seq #, Measured depth (m), Incl angle (deg), Azimuth angle (deg), Course length (m), TVD depth (m), Vertical section (m), Displ +N/S- (m), Displ +E/W- (m), Total displ (m), At Azim (deg), DLS (deg/D/M), Srvy tool type, Tool Corr (deg). Rows 1-30.

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SCHLUMBERGER Survey Report

Table with 13 columns: Seq #, Measured depth (m), Incl angle (deg), Azimuth angle (deg), Course length (m), TVD depth (m), Vertical section (m), Displ +N/S- (m), Displ +E/W- (m), Total displ (m), At Azim (deg), DLS (deg/D/M), Srvy tool type, Tool Corr (deg). Rows 31-33.

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