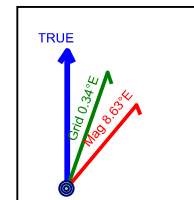


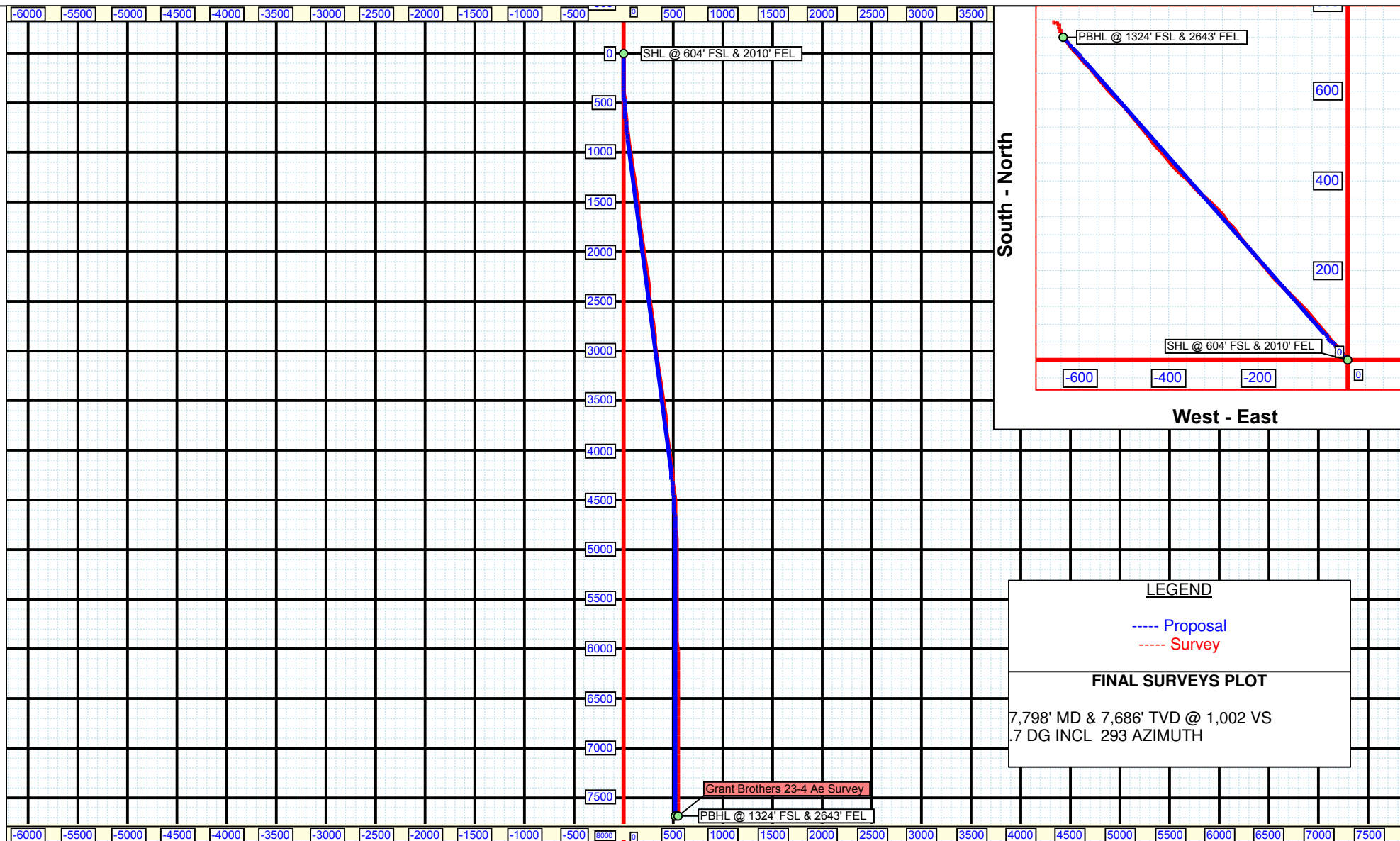


Job Number: Grant Brothers Pad
Company: Sundance Energy, Inc
Lease/Well: Grant Brothers 23-4 Ae
Location: Sec 23 T2N R68W
Rig Name: Cade 25
State/County: CO/ Weld
Country: USA
API Number: 05-123-xxxx

Elevation (To MSL): 4919.00 ft
RKB: 14.00 ft
Projection System: US State Plane 1983
Projection Group: Colorado Northern Zone
Projection Datum: GRS80
Magnetic Declination: 8.63
Grid Convergence: 0.34366 E
Date: Wednesday, September 18, 2013



True Vertical Depth



South - North

West - East

LEGEND

----- Proposal
----- Survey

FINAL SURVEYS PLOT

7,798' MD & 7,686' TVD @ 1,002 VS
7.7 DG INCL 293 AZIMUTH

Vertical Section (500 Ft/Div) VSP: 15.85°