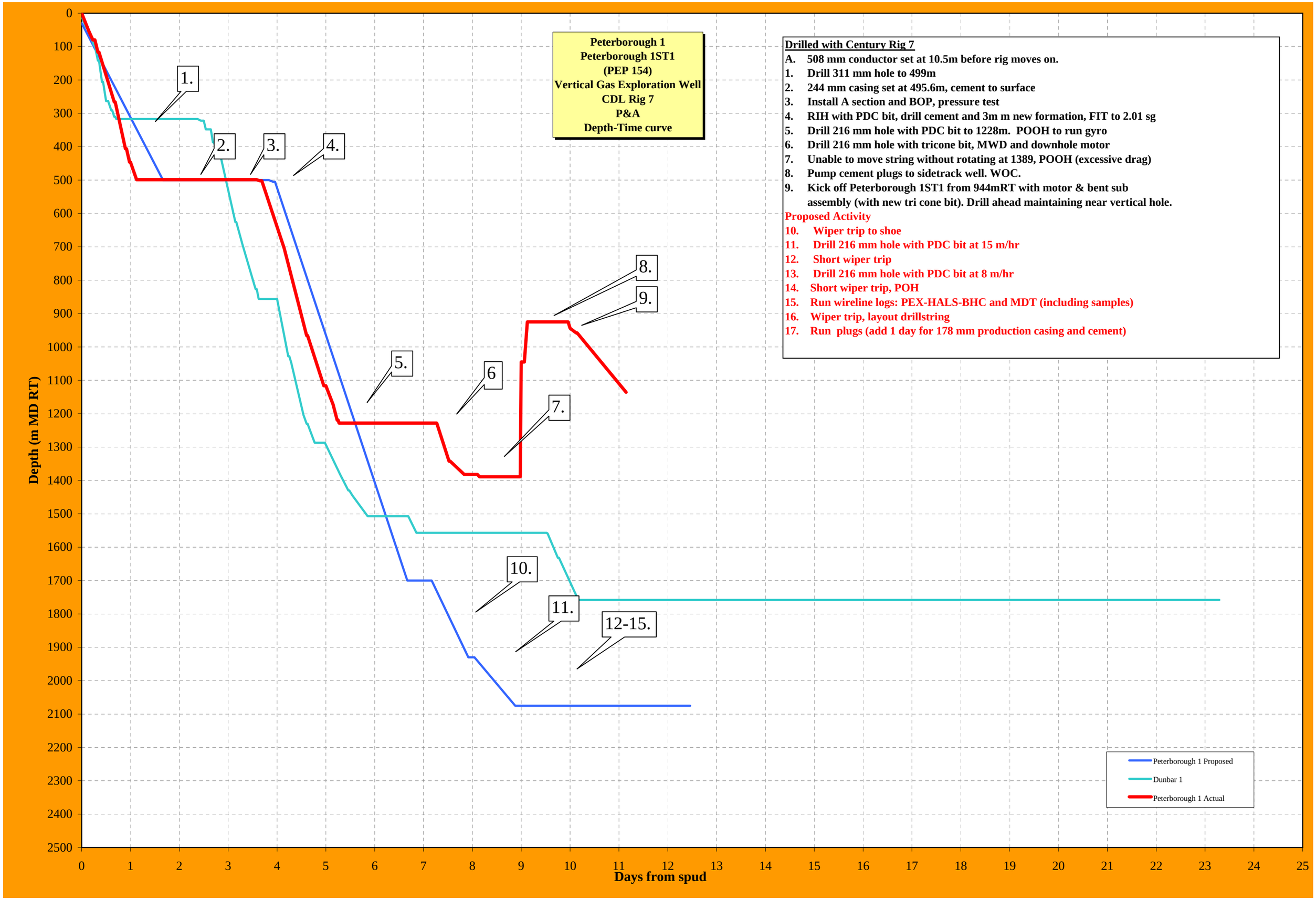
Peterborough 1
Peterborough 1ST1
(PEP 154)
Vertical Gas Exploration Well
CDL Rig 7
P&A
Depth-Time curve
Drilled with Century Rig 7
A. 508 mm conductor set at 10.5m before rig moves on.
1. Drill 311 mm hole to 499m
2. 244 mm casing set at 495.6m, cement to surface
3. Install A section and BOP, pressure test
4. RIH with PDC bit, drill cement and 3m m new formation, FIT to 2.01 sg
5. Drill 216 mm hole with PDC bit to 1228m. POOH to run gyro
6. Drill 216 mm hole with tricone bit, MWD and downhole motor
7. Unable to move string without rotating at 1389, POOH (excessive drag)
8. Pump cement plugs to sidetrack well. WOC.
9. Kick off Peterborough 1ST1 from 944mRT with motor & bent sub assembly (with new tri cone bit). Drill ahead maintaining near vertical hole.
Proposed Activity
10. Wiper trip to shoe
11. Drill 216 mm hole with PDC bit at 15 m/hr
12. Short wiper trip
13. Drill 216 mm hole with PDC bit at 8 m/hr
14. Short wiper trip, POH
15. Run wireline logs: PEX-HALS-BHC and MDT (including samples)
16. Wiper trip, layout drillstring
17. Run plugs (add 1 day for 178 mm production casing and cement)
Depth (m MD RT)
Days from spud
Peterborough 1 Proposed
Dunbar 1
Peterborough 1 Actual

FIGURE 4