

Subtask 3.1.2.2 – Site Characterization

Samples from Navajo SS for:

- XRCT and pore statistics
- Relative perm. and cap. pressure
- Relate to UU's and UGS's reservoir descriptions

Completed:

- Core review of Navajo SS and White Rim (May), with mech. testing
- Fieldwork with mechanical testing
- Sample depths chosen for core tests

In progress

- 6 rel perm/cap press, brine-CO₂
- 12 mercury cap. pressure
- Need to coordinate on thin section and lithofacies descriptions with UU/UGS
- Report on tests by Nov 9

Subtask 3.1.2.3: Caprock analysis: Completed:

SAND2017-11011C

- Core and fieldwork descriptions of lithofacies for Carmel
- Samples selected for MICP, thin sections, FIB-SEM

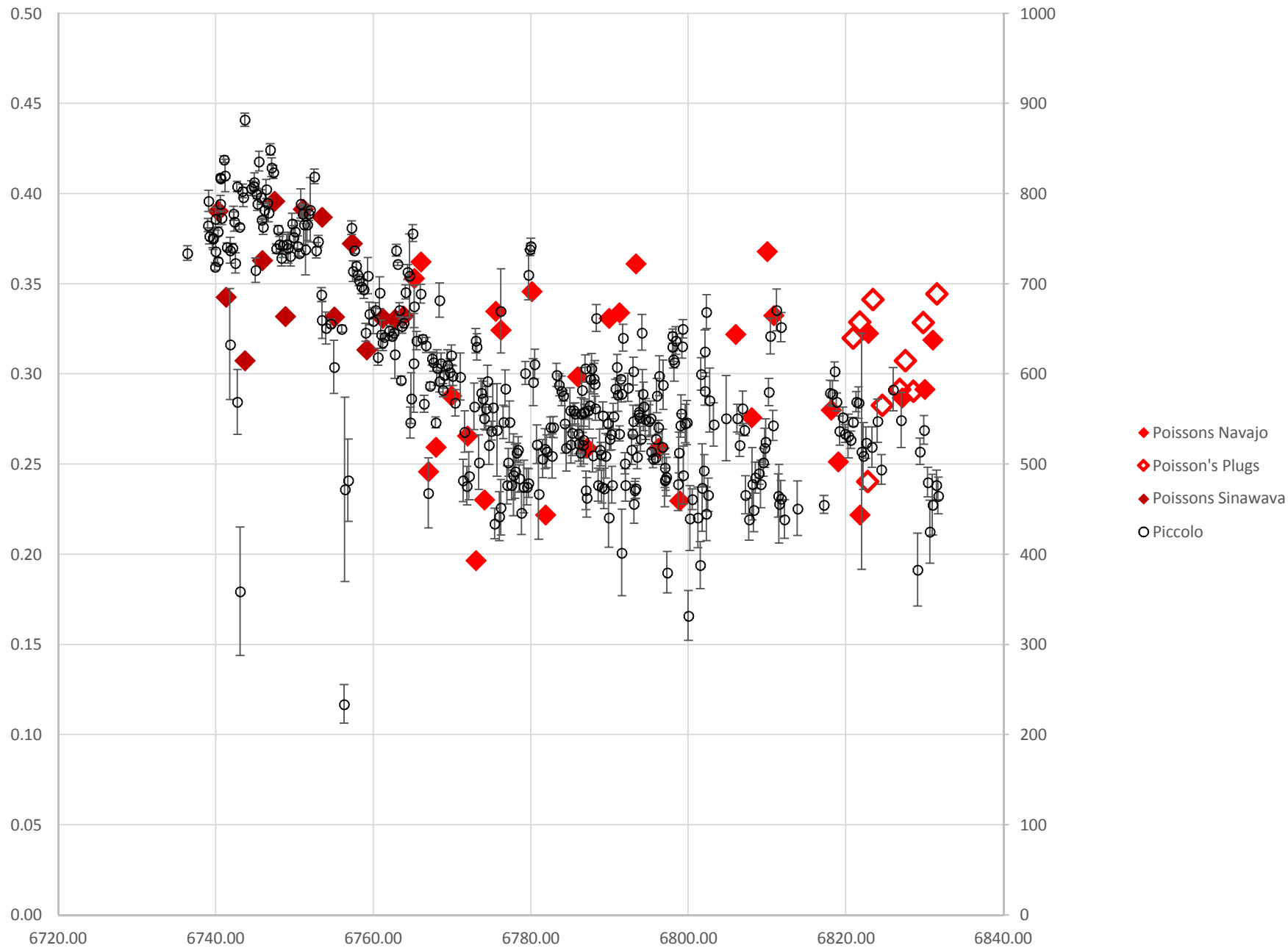
In progress:

- Setting up contract with Poro-Tech
- Send samples to Poro-Tech for MICP in October; 2 weeks turnaround time
- Thin section/sample descriptions by optical and electron microscopy
- Report on results on Nov 9

Results to be shown on
field trip

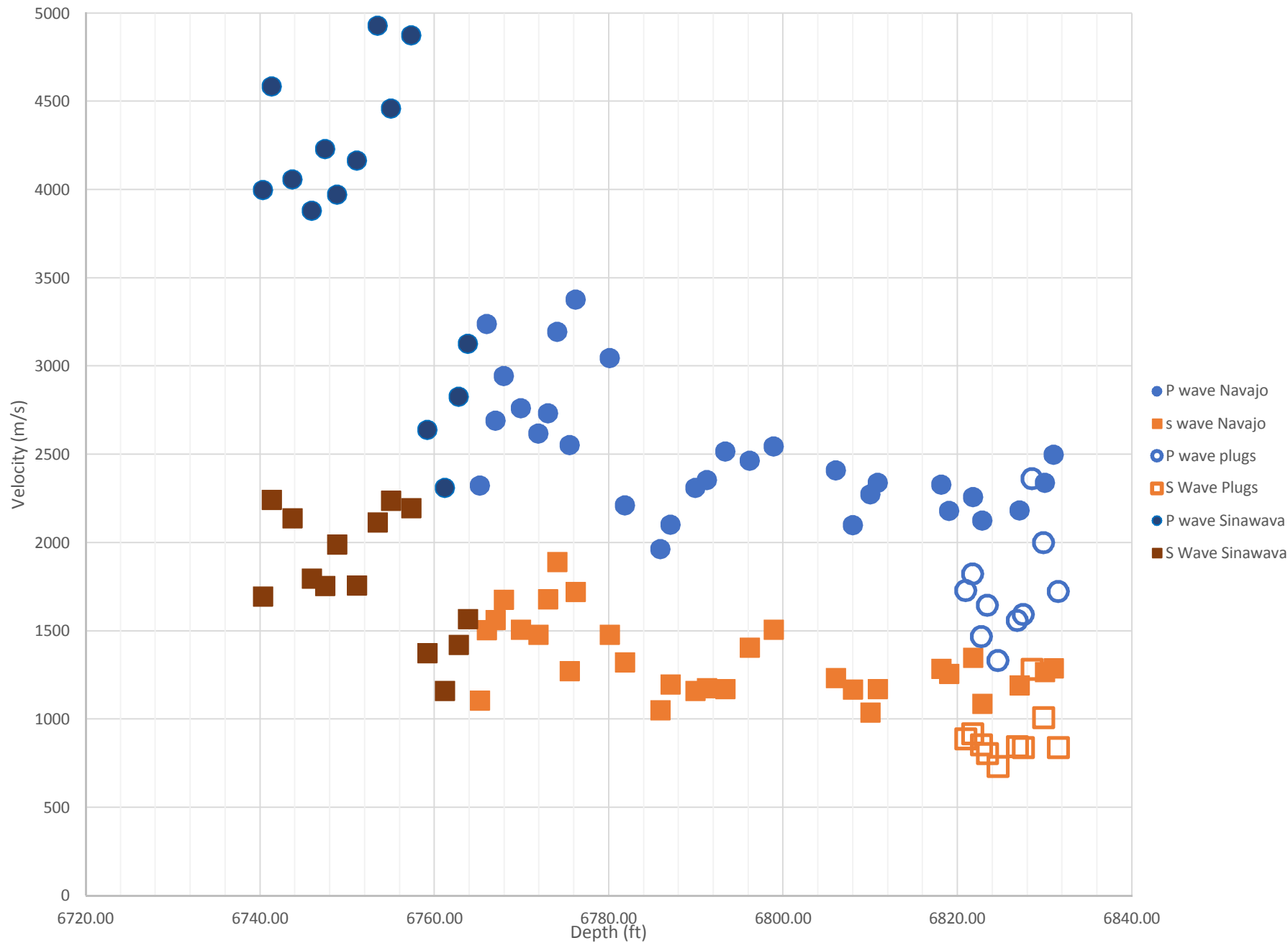
Measure of elastic moduli

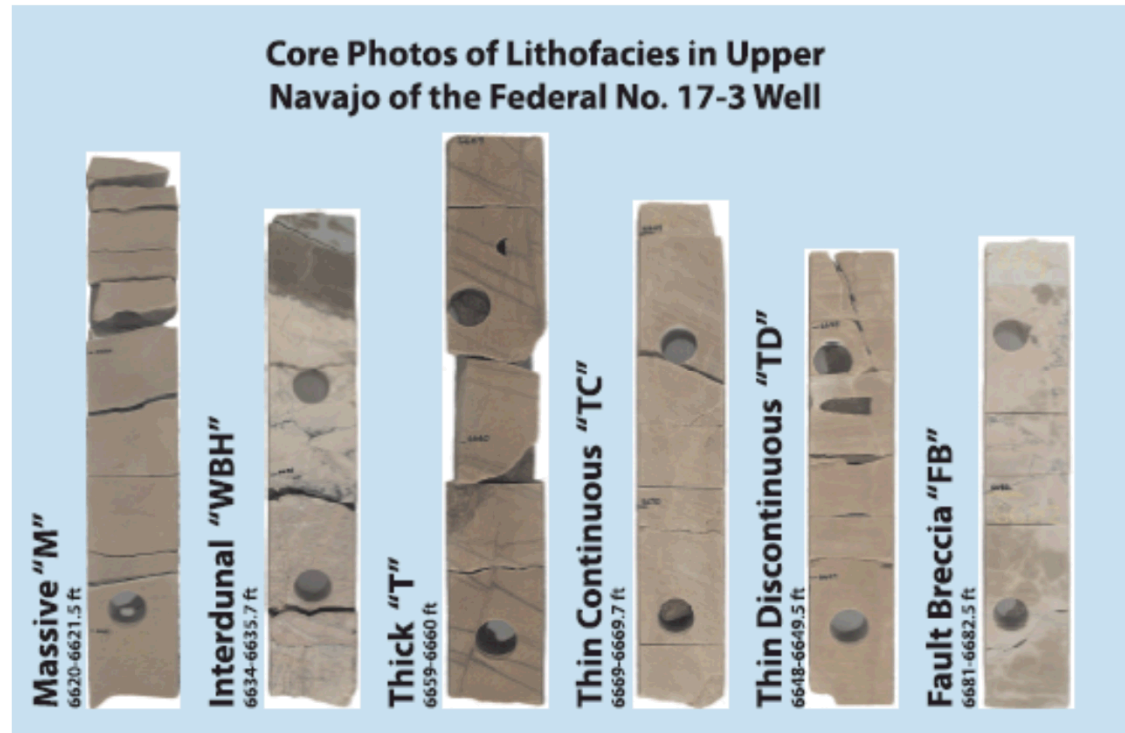
Wolverine Federal 17-3



P and S ultrasonic velocities

Wolverine Federal 17-3





Chidsey et al., 2007, Covenant Oil Field, Central Utah Thrust Belt:
Possible harbinger of future discoveries, UGS poster

Justensen's Flat

