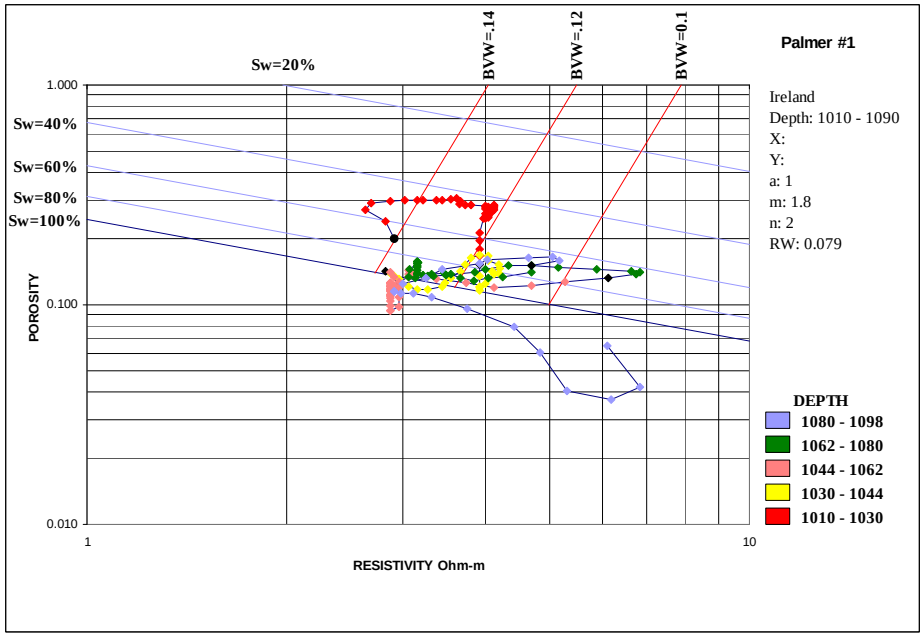
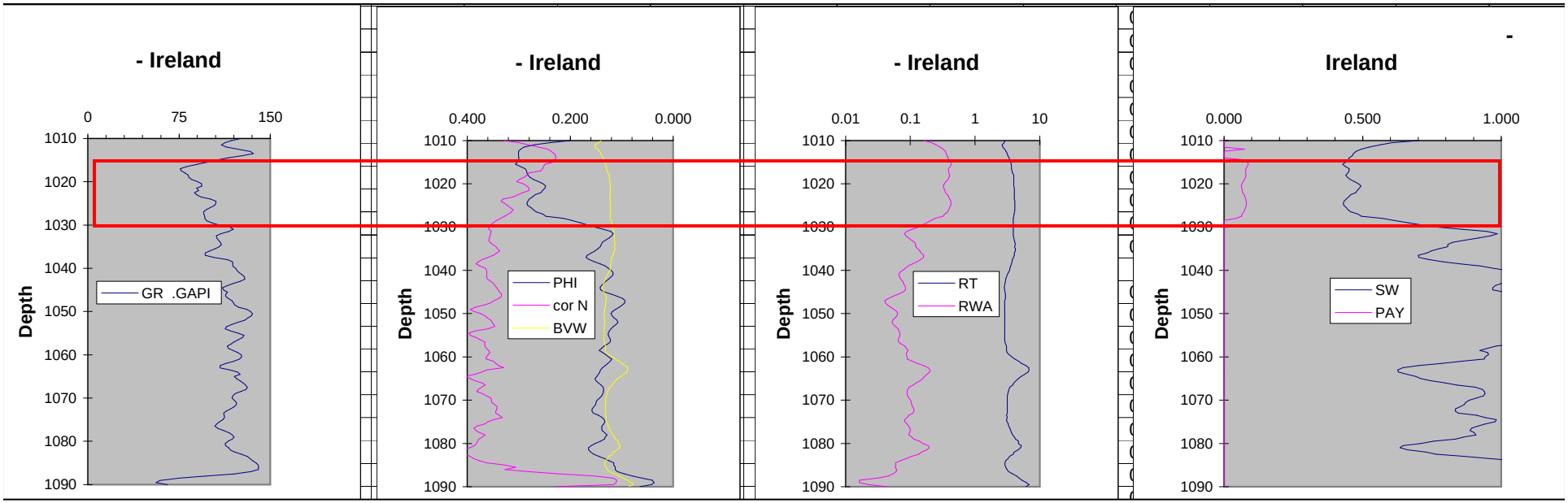
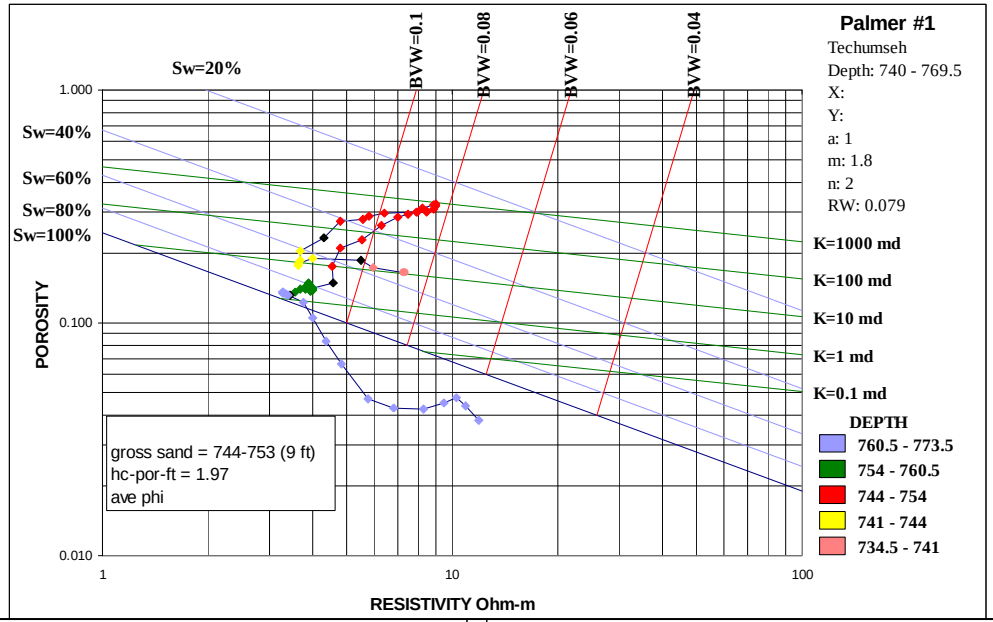


Palmer #1

Ireland (1014-1030 ft)

- **Strong gas indications** with high porosity, low BVW including clustering around 0.12, and lower GR
- Neutron gas effect on cleaner sandstone
- Sw < 60%
- Produces water-free low-BTU gas

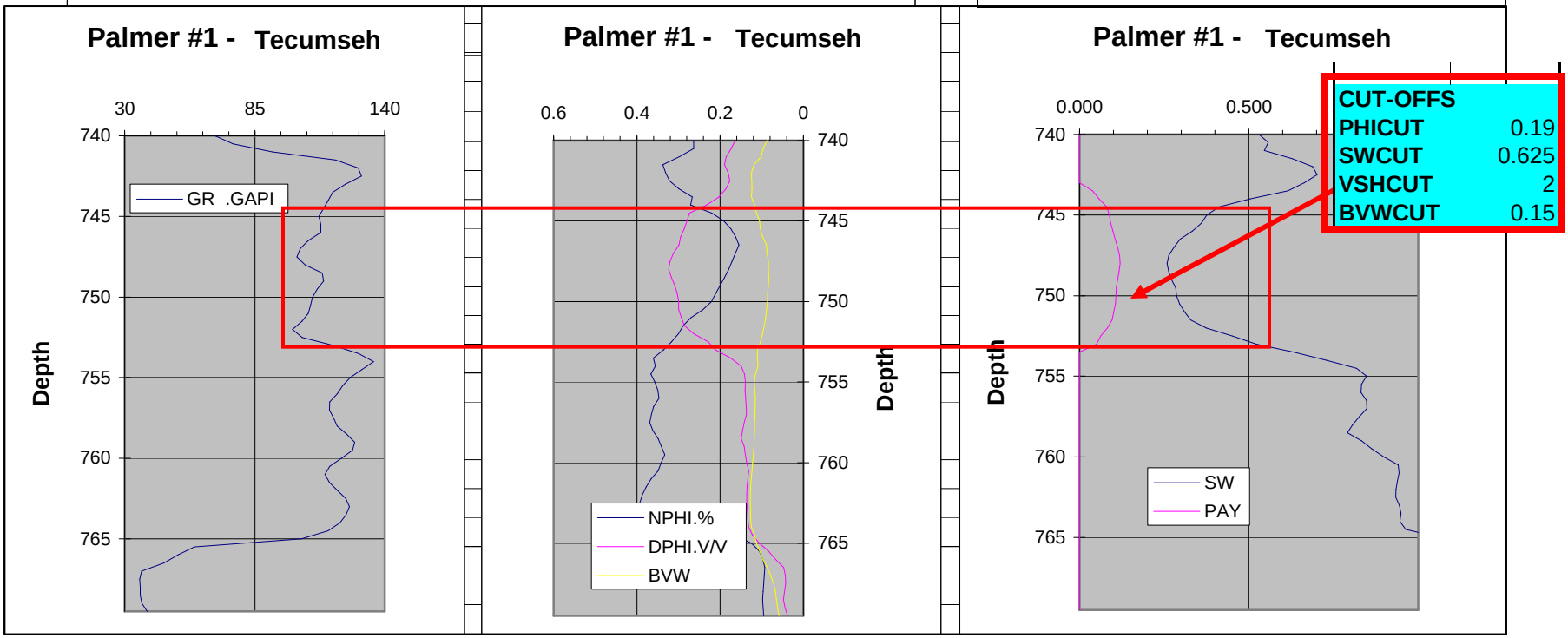


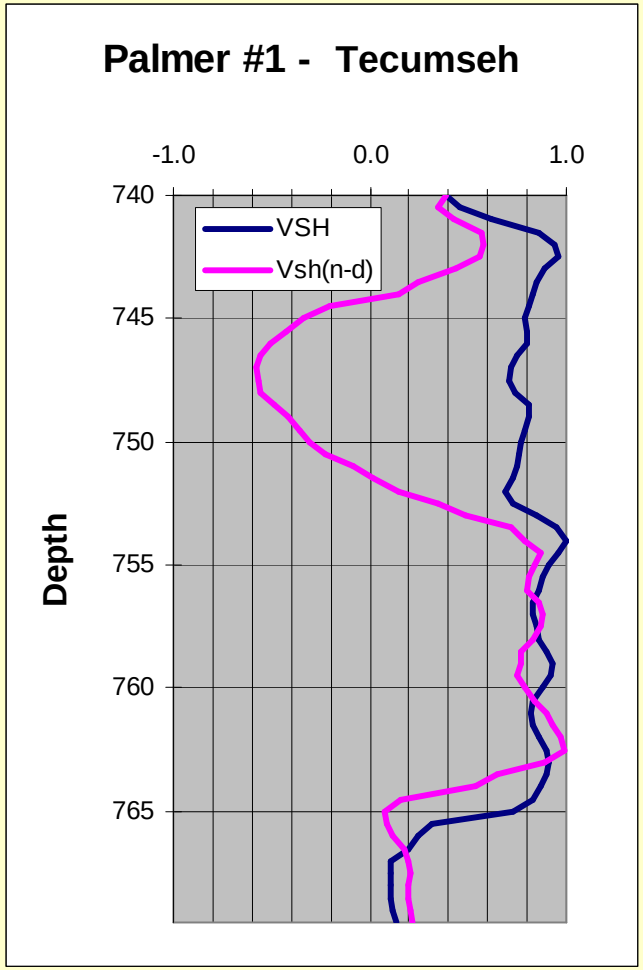


Palmer #1

Tecumseh (744-754 ft)

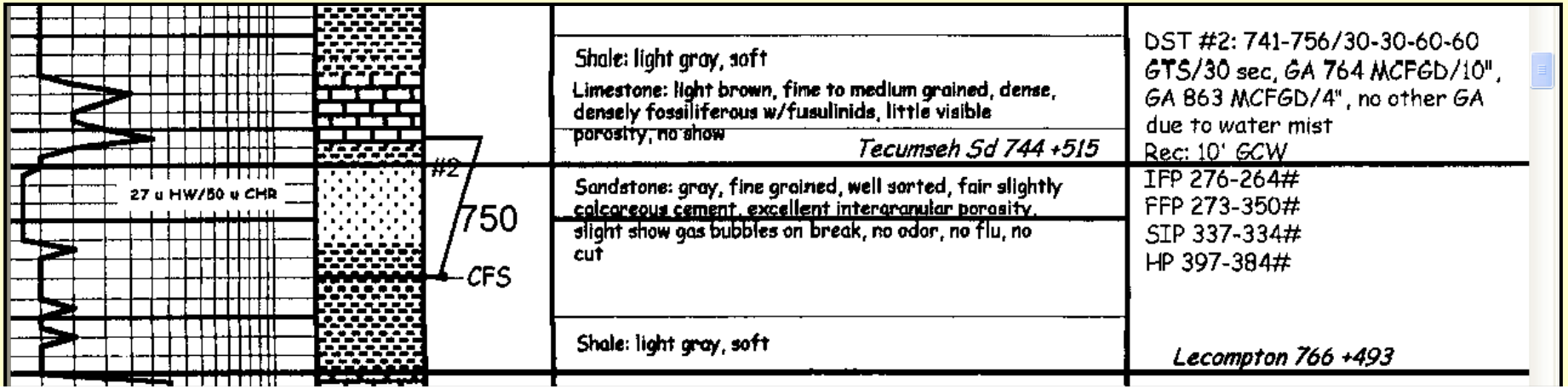
- **Good indications of gas pay** – relatively low GR, BVW cluster ~0.08, high porosity, gas effect on neutron log, Sw < 50%
- Tecumseh identified as pay using cut-offs defined at Frankhauser Trust E1 well

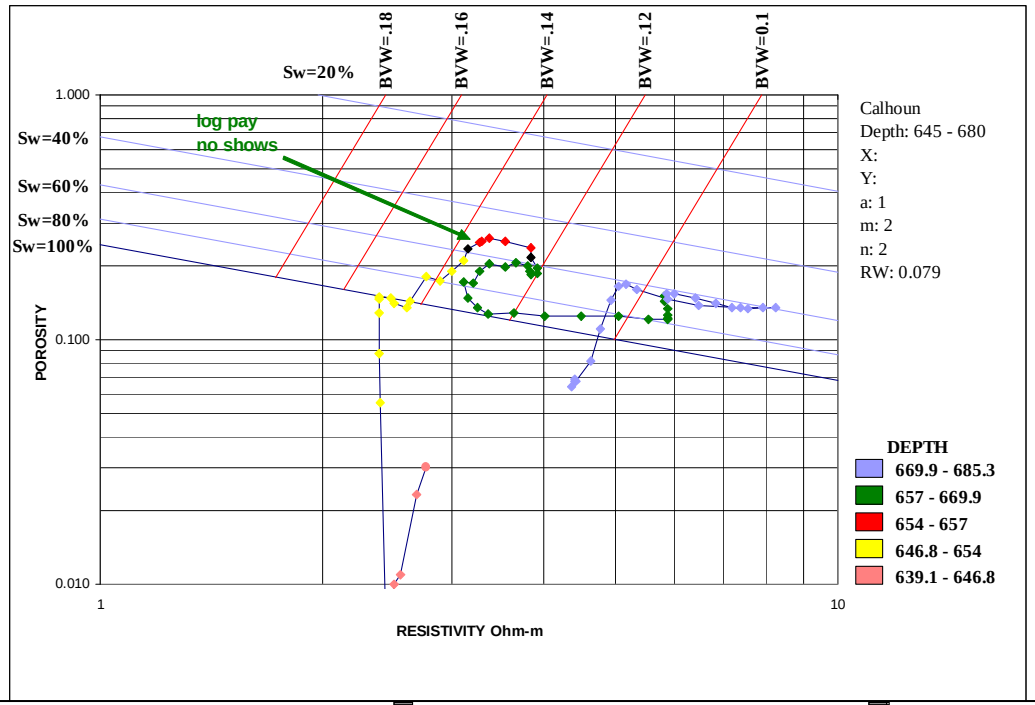




Palmer #1 – Tecumseh Sandstone

- **Gamma ray** does not recognize the fine-grained, well sorted, porous sand, probably due to K-rich mica content
- **Vsh** from **Neutron-density** overcorrect due to probable gas effect on neutron

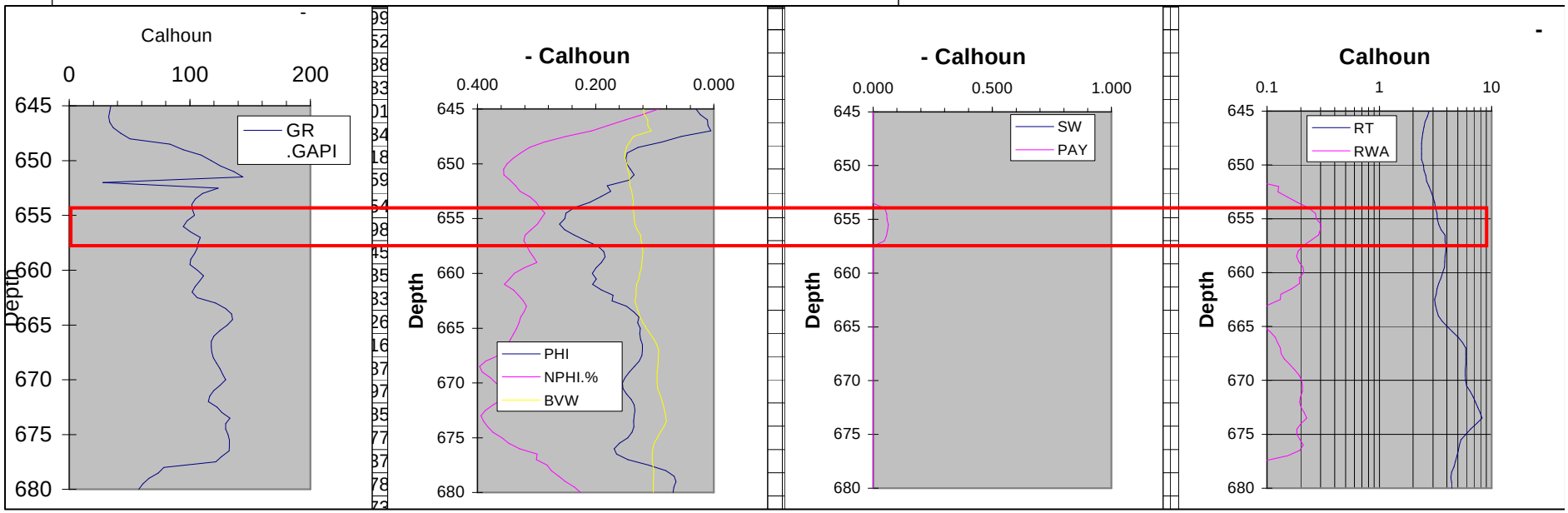


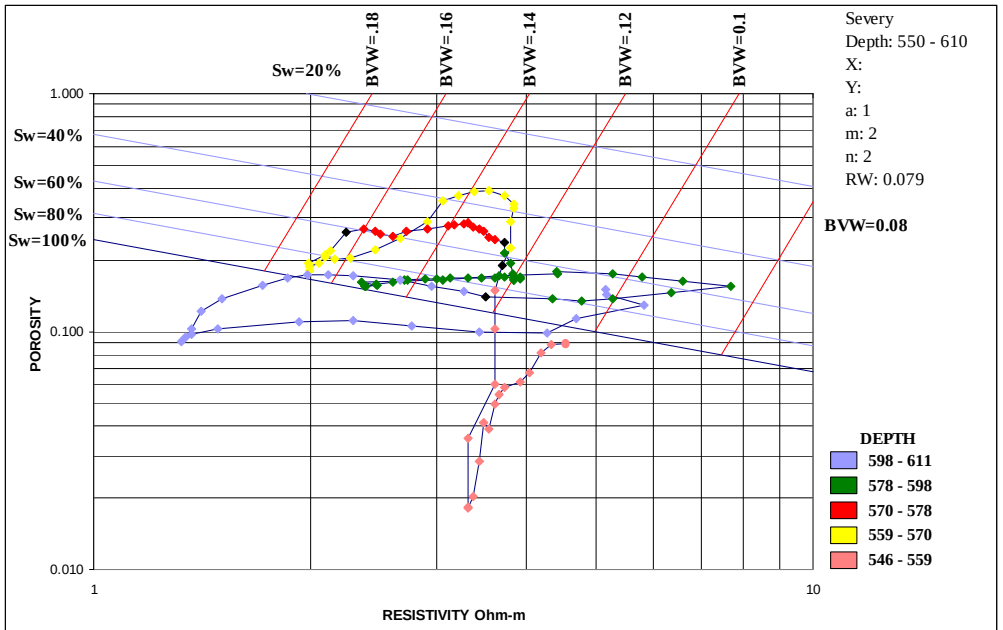


Palmer #1

Calhoun (654-657 ft)

- **Indications of gas pay** with low BVW (~0.13), possible gas effect on neutron log, Sw < 60%, separation between density porosity and BVW
- However, no shows observed during drilling through zone





Palmer 1
Severy (570-578 ft)

- Gas effect on neutron, separation between density porosity and BVW, GR ~100 API, Sw < 60%
- Parts of the sand has BVW < 0.14
- **Possibly gas bearing**