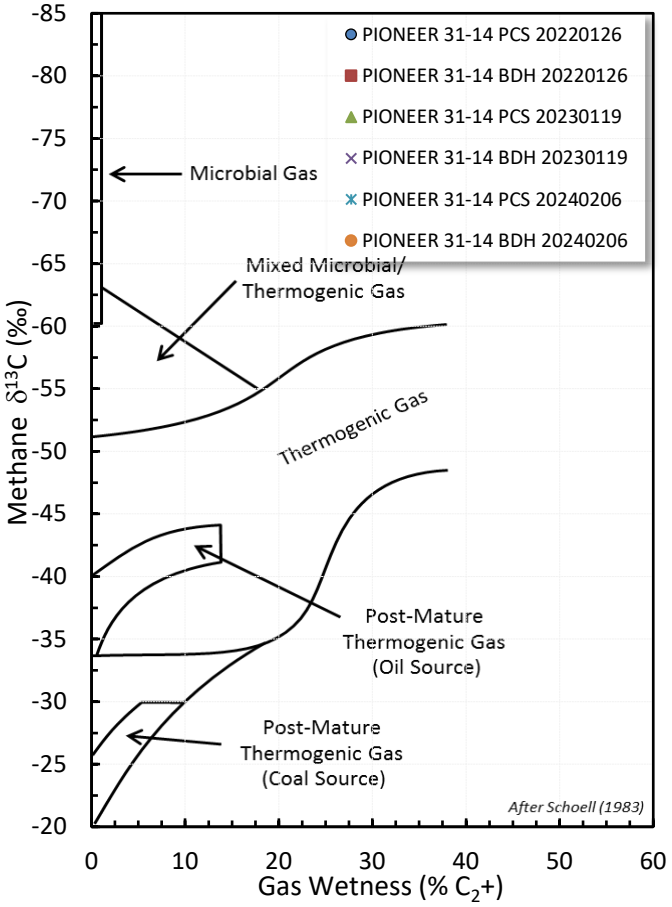
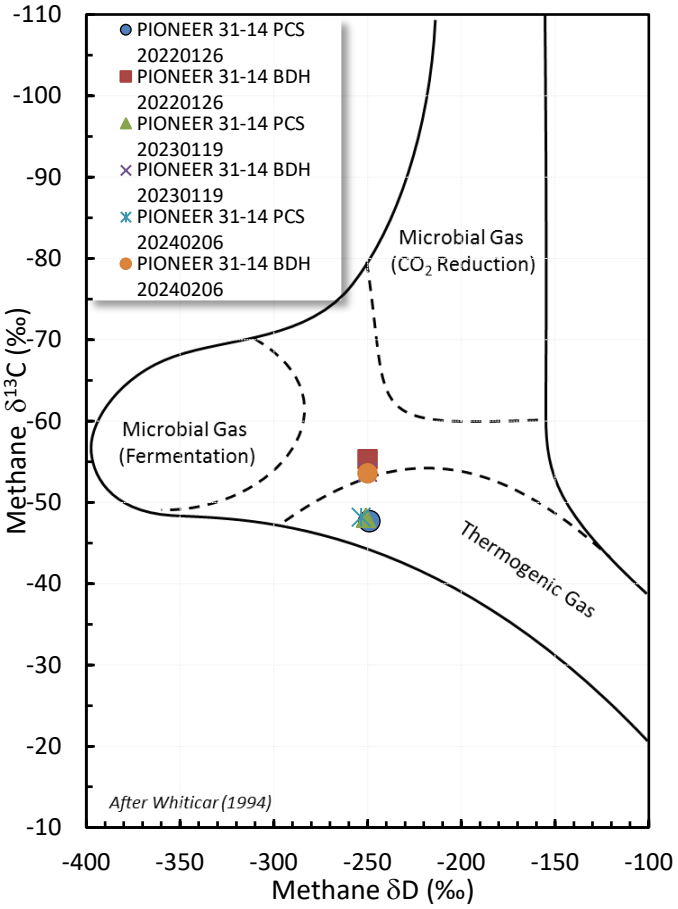
Stable Isotope Interpretive Plots

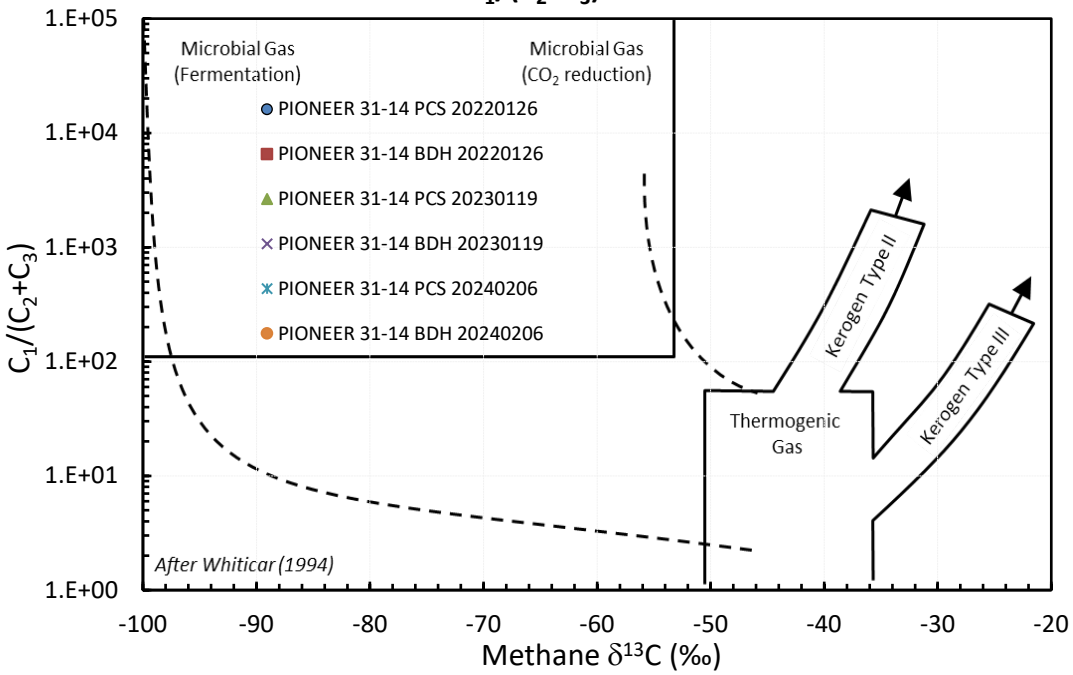
Methane vs Gas Wetness Genetic Classification

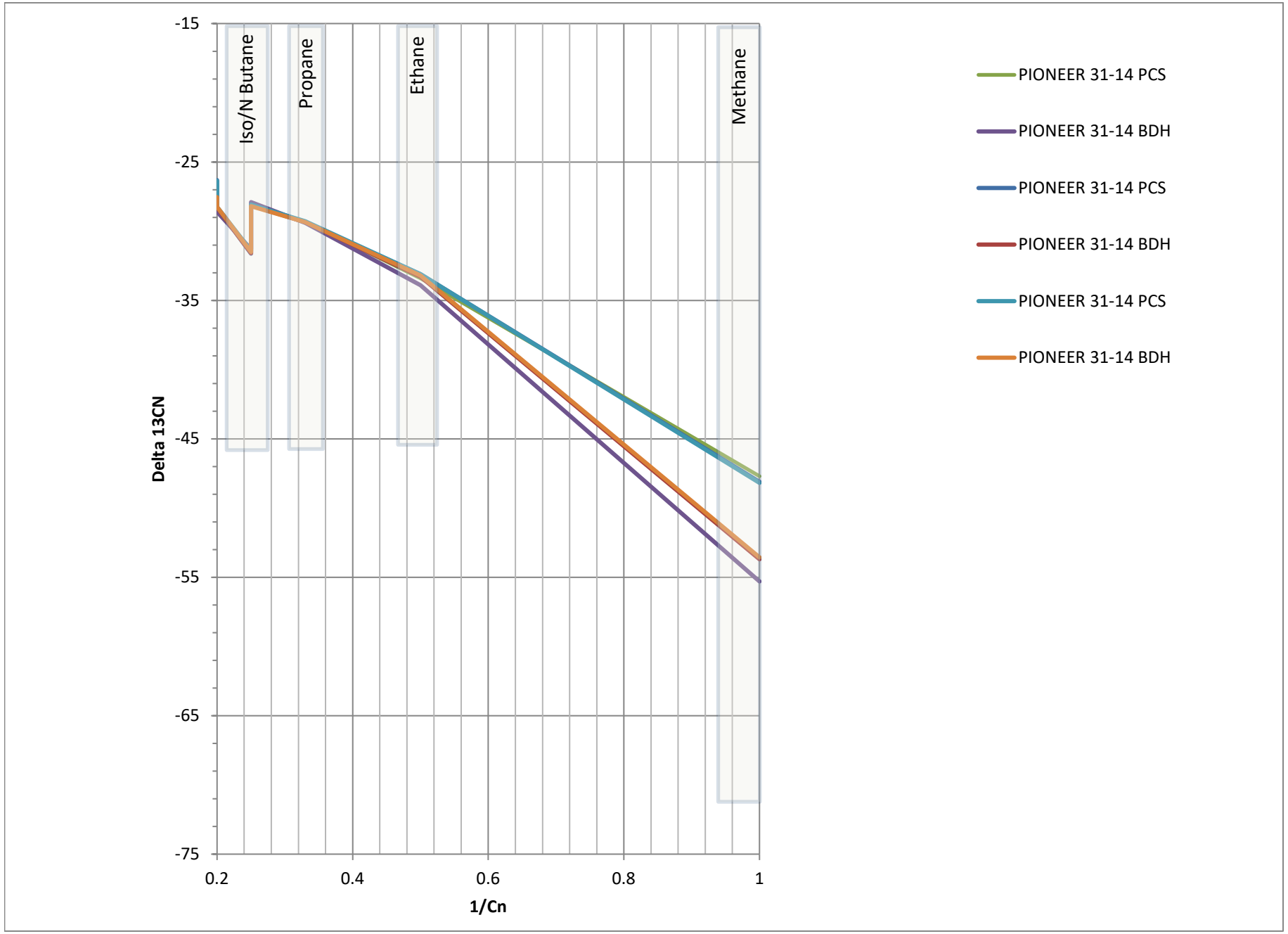


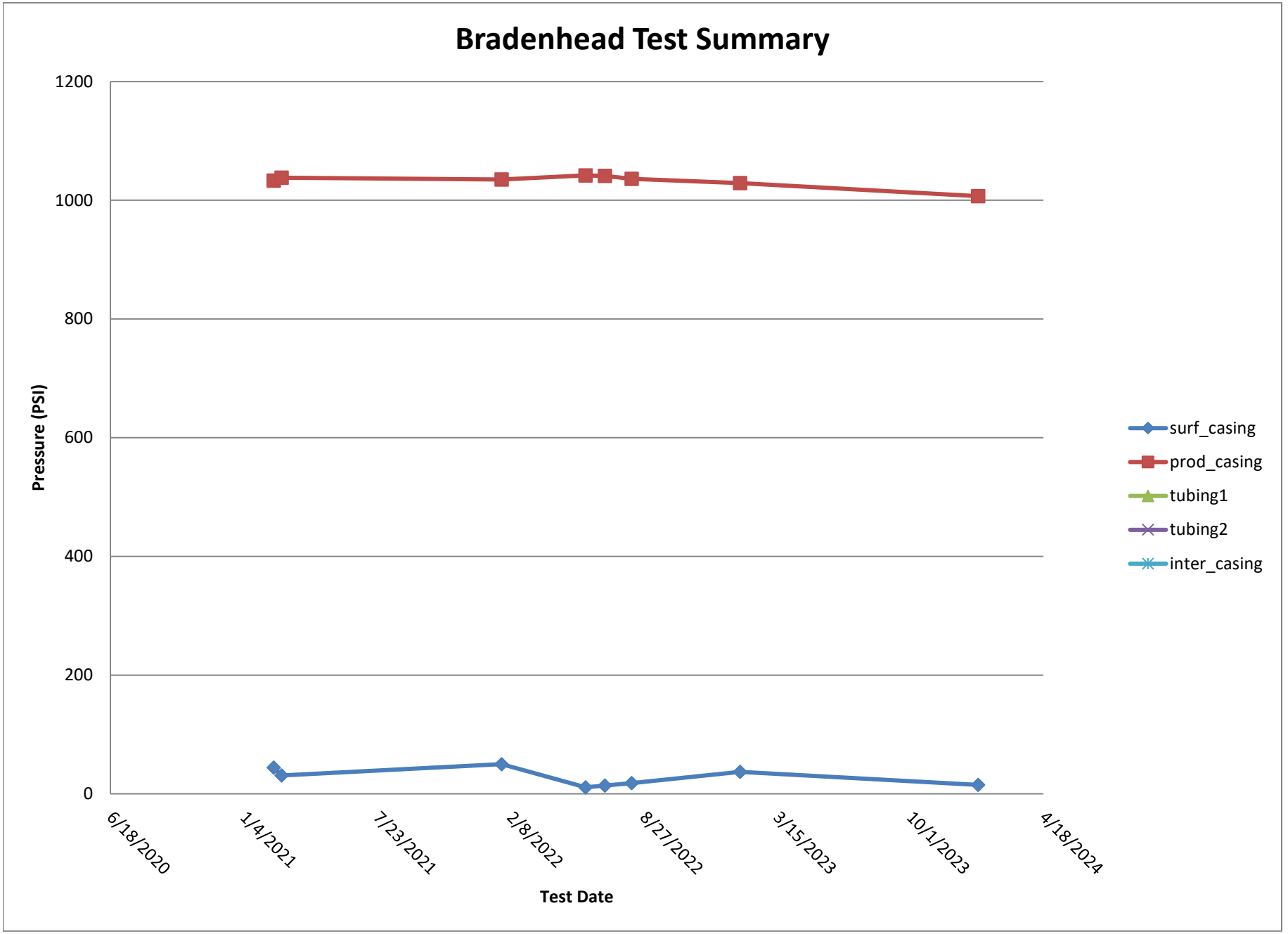
Methane $\delta^{13}C$ vs δD Genetic Classification Plot



Methane $\delta^{13}C$ vs $C_1/(C_2+C_3)$ Genetic Classification Plot




-15
-25
-35
-45
-55
-65
-75
Delta 13CN
0.2
0.4
0.6
0.8
1
1/Cn
Iso/N Butane
Propane
Ethane
Methane
PIONEER 31-14 PCS
PIONEER 31-14 BDH
PIONEER 31-14 PCS
PIONEER 31-14 BDH
PIONEER 31-14 PCS
PIONEER 31-14 BDH


Bradenhead Test Summary
1200
1000
800
600
400
200
0
Pressure (PSI)
6/18/2020
1/4/2021
7/23/2021
2/8/2022
8/27/2022
3/15/2023
10/1/2023
4/18/2024
Test Date
surf_casing
prod_casing
tubing1
tubing2
inter_casing