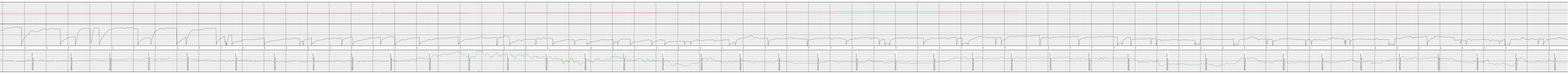
Halo, Blackrod Coal Proxy, Seal Analysis 03-25-2026.dh (Logs: 1)

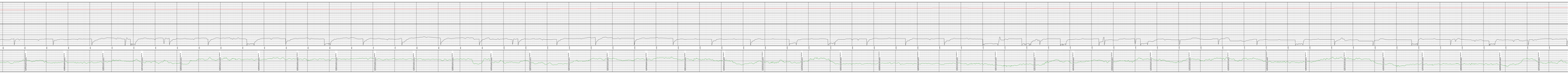
Well: Halo, Blackrod Coal Proxy
Location: Synthetic Basin
Operator: Synthetic Energy Co.
Date: 03-25-2026
Logs: 1
Depth Type: Measured
Depth Range: 0.00 to 1,000.00 ft
Seal Analysis: Enabled
Seal Method: Capillary Entry Pressure
Wetting Phase: Water
Non-wetting Phase: Methane
Interfacial Tension: 72.0 dyn/cm
Contact Angle: 0°
Gas Gradient: 0.0700 psi/ft
Water Gradient: 0.4335 psi/ft
Pressure Datum: 0.00 ft
Datum Pressure: 0.00 psi

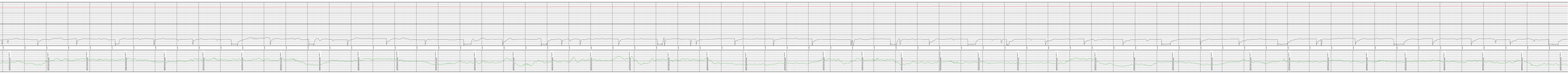
Seal Summary	Value	Unit
Seal Thickness	1,000.00	ft
Max Column Height	1,000.00	ft
Max Pressure	1,000.00	psi
Min Pressure	0.00	psi
Pressure Range	1,000.00	psi

Top	Base	Thickness	Lithology	Porosity	Permeability	Pore Throat	Entry Pressure	Max Column	Seal Capacity	Seal Type
0.00	1,000.00	1,000.00	Shale	0.0 %	0.000 mD	0.000 µm	1,000.00 psi	1,000.00 ft	Excellent	Capillary

Effective Seal: 1,000.00 ft (100.0% of total)







Gamma
API
0
150
Gamma
API
150
300
#168 MD(16648.00) Inc(88.82) Azm(357.69) TVD(6377.35)
VS(9374.00) N/-S(9349.94) E/-W(671.19)
PTB: MD(16715.00) Inc(88.82) Azm(357.69) TVD(6378.73)
VS(9440.56) N/-S(9416.87) E/-W(668.49)
#167 MD(16562.00) Inc(88.38) Azm(358.35) TVD(6375.25)
VS(9288.51) N/-S(9264.02) E/-W(674.16)
#166 MD(16473.00) Inc(88.29) Azm(358.92) TVD(6372.67)
VS(9199.96) N/-S(9175.08) E/-W(676.28)
#165 MD(16384.00) Inc(91.83) Azm(358.61) TVD(6372.76)
VS(9111.37) N/-S(9086.11) E/-W(678.19)
#164 MD(16295.00) Inc(90.68) Azm(359.28) TVD(6374.71)
VS(9022.75) N/-S(8997.15) E/-W(679.83)
#163 MD(16206.00) Inc(90.85) Azm(0.51) TVD(6375.90)
VS(8934.01) N/-S(8908.16) E/-W(680.00)
#162 MD(16116.00) Inc(91.12) Azm(0.95) TVD(6377.45)
VS(8844.18) N/-S(8818.18) E/-W(678.85)
ROP
ft/hr
0
1500
1500
3000
Bottom Hole Temp
degF
0
300
16700
16650
16600
16550
16500
16450
16400
16350
16300
16250
16200
16150
16100
16050