

PRE-REPORT DATA CHECK



All Response Zone depths are complete.



All visit dates in the Monitoring Readings table found in the Monitoring Visit table .



All visit dates in the Dips table found in the Monitoring Visit table .



All visit dates in the Water Samples table found in the Monitoring Visit table .

Penrhos Substation - Anglesey



Key:

Data checks



Datum or reponse zone information missing. "Depth to Water" and "Elev of Water" cannot be calculated.



Reference elevation captured during drilling is missing. "Depth to Water" cannot be calculated.

Depth to water



Response zone *fully* flooded during sampling



Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 1, Visit Date: 22/05/2025

Sheet 1 of 1

Engineer(s) Start/End Time - Pressure Start/End (mB) - Temperature (Deg C) Weather Conditions	Equipment Interface Probe	Serial No	Calibrated True	Comments and Ground Conditions:
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Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Elev of Water	Depth to Base	Elev of Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady		Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	mbgl	mAOD	mbgl	mAOD	mm
BH104	1.50	4.00													2.53	11.49			N/A	No
BH106C	4.20	7.00													0.39	1.63	6.88	-4.87	N/A	No
BH107	1.00	2.00													0.44	1.47	2.12	-0.21	N/A	No
BH201	2.50	8.10													1.78	5.87	7.59	0.07	N/A	No
WS110	0.80	2.00													0.97	4.15	2.04	3.08	N/A	No

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Depth to water



Response zone *fully* flooded during sampling



Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 2, Visit Date: 17/06/2025

Sheet 1 of 1

Engineer(s)	Tom Turner, Tom Turner	Equipment	Serial No	Calibrated	Comments and Ground Conditions:
Start/End Time	09:00 - 15:00	Gas Analyser		True	
Pressure Start/End (mB)	-	Interface Probe		True	
Temperature (Deg C)					
Weather Conditions	Dry				

Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure (Pa)	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water (mbgl)	Elev of Water (mAOD)	Depth to Base (mbgl)	Elev of Base (mAOD)	Thickness of product (mm)	Sampled ? (Y/N)
	Top	Base	Initial	Steady		Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	mbgl	mAOD	mbgl	mAOD		
BH104	1.50	4.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	9.50	9.50	0.00	0.00	0.00	1.90	12.12	3.89	10.13	N/A	No
BH106C	4.20	7.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	9.60	9.60	0.00	0.00	0.00	0.11	1.91	6.84	-4.83	N/A	No
BH107	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	9.80	9.80	0.00	0.00	0.00	0.17	1.74	2.14	-0.23	N/A	No
BH201	2.50	8.10	0.00	0.00	0.00	0.00	0.00	0.10	0.10	9.70	9.70	0.00	0.00	0.00	0.97	6.69	7.62	0.04	N/A	No
WS110	0.80	2.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80	9.20	9.20	0.00	0.00	0.00	0.86	4.26	2.04	3.08	N/A	No

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Data checks



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Depth to water



Response zone *fully* flooded during sampling



Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 3, Visit Date: 01/07/2025

Sheet 1 of 1

Engineer(s)	Ellie Hale	Equipment	Serial No	Calibrated	Comments and Ground Conditions:
Start/End Time	10:30 - 16:10	Aquatroll 400	772778	True	
Pressure Start/End (mB)	- 1017	Gas Analyser	12009	True	
Temperature (Deg C)	17.00	Interface Probe	01/01/5589	True	
Weather Conditions	Overcast	PID		True	

Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Elev of Water	Depth to Base	Elev of Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady		Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	mbgl	mAOD	mbgl		
BH104	1.50	4.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	19.80	20.50	0.00	0.00	0.00	2.34	11.68	3.90	10.12	N/A	Yes
BH106C	4.20	7.00													0.33	1.69	6.87	-4.86	N/A	No
BH107	1.00	2.00													0.35	1.56	2.12	-0.21	N/A	No
WS110	0.80	2.00	0.00	0.00	0.00	0.00	0.00	0.10	0.40	20.00	20.30	0.30	0.00	10.00	0.93	4.19	2.05	3.07	N/A	Yes

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Depth to water



Response zone *fully* flooded during sampling



Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 3, Visit Date: 02/07/2025

Sheet 1 of 1

Engineer(s)	Ellie Hale, Ellie Hale	Equipment	Serial No	Calibrated	Comments and Ground Conditions:
Start/End Time	09:23 - 12:53	Gas Analyser	12009	True	
Pressure Start/End (mB)	1019 - 1021	PID	A-861240	True	
Temperature (Deg C)	13.00				
Weather Conditions	Scattered Cloud				

Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Elev of Water	Depth to Base	Elev of Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady		Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	mbgl	mAOD	mbgl		
BH106C	4.20	7.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	20.10	20.60	0.00	0.00	0.00	0.35	1.67	6.81	-4.80	N/A	Yes
BH107	1.00	2.00	3.40	0.00	0.00	0.00	0.00	0.10	0.10	20.20	20.60	0.80	0.00	0.00	1.85	0.06	2.13	-0.22	N/A	Yes
BH201	2.50	8.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	20.40	20.60	0.20	0.00	0.00	1.63	6.02	7.62	0.04	N/A	Yes

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Depth to water



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Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 4, Visit Date: 22/07/2025

Sheet 1 of 1

Engineer(s)	Niall Richards, Niall Richards	Equipment	Serial No	Calibrated	Comments and Ground Conditions:
Start/End Time	08:00 - 15:00	Gas Analyser	11972	True	
Pressure Start/End (mB)	1007 - 1009				
Temperature (Deg C)					
Weather Conditions	Fine				

Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Elev of Water	Depth to Base	Elev of Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady		Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	mbgl	mAOD	mbgl		
BH104	1.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.20	15.20	0.00	0.00	0.00	2.52	11.50	3.89	10.13	N/A	No
BH106C	4.20	7.00	0.00	0.00	0.00	0.00	0.00	0.90	0.90	15.60	15.60	0.20	0.00	0.00	0.43	1.59	6.73	-4.72	N/A	No
BH107	1.00	2.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80	15.40	15.40	0.50	0.00	0.00	0.55	1.36	2.13	-0.22	N/A	No
BH201	2.50	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	16.00	0.00	0.00	0.00	1.72	5.94	7.60	0.06	N/A	No
WS110	0.80	2.00	0.00	0.00	0.00	0.00	0.00	1.70	1.70	15.40	15.40	0.00	0.00	0.00	0.97	4.15	2.04	3.08	N/A	No

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Key:

Data checks



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Depth to water



Response zone *fully* flooded during sampling



Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 5, Visit Date: 08/08/2025

Sheet 1 of 1

Engineer(s)	Niall Richards, Niall Richards	Equipment	Serial No	Calibrated	Comments and Ground Conditions:
Start/End Time	08:52 - 11:13	Gas Analyser	11972	True	
Pressure Start/End (mB)	1014 - 1013	Interface Probe	29159	True	
Temperature (Deg C)	17.00				
Weather Conditions	Overcast				

Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water	Elev of Water	Depth to Base	Elev of Base	Thickness of product	Sampled ?
	Top	Base	Initial	Steady		Pa	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	mbgl	mAOD	mbgl		
BH104	1.50	4.00	0.00	0.00	0.00	0.00	0.00	0.90	0.20	14.40	14.50	0.00	0.00	0.00	2.63	11.39	2.90	11.12	N/A	No
BH106C	4.20	7.00	0.00	0.00	0.00	0.00	0.00	1.10	1.10	14.40	14.50	0.00	0.00	0.00	0.56	1.46	6.70	-4.69	N/A	No
BH107	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.50	14.60	0.00	0.00	0.00	0.58	1.33	2.11	-0.20	N/A	Yes
BH201	2.50	8.10	0.00	0.00	0.00	0.00	0.00	1.30	0.00	14.10	14.50	0.00	0.00	0.00	1.91	5.75	5.97	1.69	N/A	No
WS110	0.80	2.00	0.00	0.00	0.00	0.00	0.00	1.50	1.60	14.20	14.10	0.00	0.00	0.00	0.97	4.15	2.05	3.07	N/A	No

Penrhos Substation - Anglesey



Key:

Data checks



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Reference elevation captured during drilling is missing. "Depth to Water" cannot be calculated.

Depth to water



Response zone *fully* flooded during sampling



Response zone *significantly* flooded during sampling



Methane

> 1% v/v

Carbon Dioxide

> 5% v/v

Gas Flow

> 70 l/hr

Event(s) Selected: All events , Site Area(s) Selected: Whole site

Current Event: Round 6, Visit Date: 08/09/2025

Sheet 1 of 1

Engineer(s)	Alice Belfield, Alice Belfield	Equipment	Serial No	Calibrated	Comments and Ground Conditions:
Start/End Time	10:15 - 13:59	Gas Analyser		True	
Pressure Start/End (mB)	1011 - 1010	Interface Probe		True	
Temperature (Deg C)		PID		True	
Weather Conditions	Fine				

Borehole	Response Zone (mbgl)		Gas Flow (l/hr)		Borehole Differential Pressure (Pa)	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gases (ppmV)			Depth to Water (mbgl)	Elev of Water (mAOD)	Depth to Base (mbgl)	Elev of Base (mAOD)	Thickness of product (mm)	Sampled ? (Y/N)
	Top	Base	Initial	Steady		Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO						
BH104	1.50	4.00	-8.00	-0.85	-0.10	0.00	0.00	0.10	1.80	19.70	15.90	0.30	0.00	0.00	2.59	11.43	3.89	10.13	N/A	No
BH106C	4.20	7.00	-3.20	-0.85	-0.10	0.00	0.00	0.00	1.60	20.20	17.90	0.00	0.00	0.00	0.52	1.50	6.68	-4.67	N/A	No
BH107	1.00	2.00	-5.10	-1.14	-0.19	0.00	0.00	0.10	0.10	19.50	20.40	0.20	0.00	0.00	0.68	1.24	2.10	-0.19	N/A	No
BH201	2.50	8.10	-1.10	-1.70	-0.36	0.00	0.00	0.20	0.10	19.30	19.10	0.20	0.00	0.00	1.53	6.13	7.60	0.06	N/A	No
WS110	0.80	2.00	-4.00	-3.85	-2.45	0.00	0.00	0.20	2.40	19.30	17.20	0.00	0.00	0.00	0.82	4.30	2.04	3.08	N/A	No