

Project Details

Project Name Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
 Location Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
 Project No. GE18621
 Client Dandara Homes
 Date 27/02/2020
 Weather Patchy
 Monitoring Visit No. 10

Engineer

 Levent Dogan

Equipment Used ☒ GFM 430
☐ GA2000
☐ Tiger 1
☐ Tiger 2
☒ Dipmeter

H2S and CO Readings
 Required ☐ Yes

Stability Parameters for Water
 Sampling Required (DO, pH,
 Temp, Cond) ☐ Yes
☐ No

Monitoring Results

Results

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
 Exploratory Hole WS01
 Atmospheric Pressure (mb) 0
 Peak Flow (l/hr) 0
 Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0			
10			
20			
30			
60			
90			

120			
180			

Water Level (mbgl)	Na
Standpipe depth (m)	4
Remarks	Nearby Collapsed well is noted (possibly WS01). Water was encountered at 1.15m bgl - visible depth of the collapsed well was 1.5mbgl
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
Exploratory Hole	WS01old
Atmospheric Pressure (mb)	1001
Peak Flow (l/hr)	0.3
Steady Flow (l/hr)	0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0	2.1	5.7
20	0	2.7	5.3
30	0	2.7	5.2
60	0	2.7	5.2
90	0	2.1	5.2
120	0	2.1	5.2
180	0	2.1	5.2

Water Level (mbgl)	2.4
Standpipe depth (m)	2.9
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
Exploratory Hole	WS02
Atmospheric Pressure (mb)	998
Peak Flow (l/hr)	0
Steady Flow (l/hr)	0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0	0	20
20	0	0	20.1
30	0	0	20.1
60	0	0	20

90	0	0	20
120	0	0	20
180	0	0	20

Water Level (mbgl) 3.04

Standpipe depth (m) 3.44

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Exploratory Hole WS05old

Atmospheric Pressure (mb) 1001

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0	3.5	10.4
20	0	3.5	10.3
30	0	3.5	10.2
60	0	3.5	10.2
90	0	3.5	10.2
120	0	3.5	10.1
180	0	3.5	10.1

Water Level (mbgl) 1.85

Standpipe depth (m) 5.65

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Exploratory Hole WS04old

Atmospheric Pressure (mb) 998

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0	2.7	9.9
20	0	3	9.5
30	0	2.7	9.6
60	0	2.7	9.4
90	0	2.7	9.4

120	0	2.7	9.4
180	0	2.7	9.4

Water Level (mbgl) 2.94

Standpipe depth (m) 2.95

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS06old

Atmospheric Pressure (mb) 0

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0			
10			
20			
30			
60			
90			
120			
180			

Water Level (mbgl) n/a

Standpipe depth (m) 2.76

Remarks The area of the WS06 was flooded, no access was gained during the return visit.

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Exploratory Hole WS10old

Atmospheric Pressure (mb) 1001

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0	0	20.1
20	0	0	20.1
30	0	0	20.1
60	0	0	20.1

90	0	0	20.1
120	0	0	20.1
180	0	0	20.1

Water Level (mbgl) 1.5

Standpipe depth (m) 2.94

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Exploratory Hole WS09old

Atmospheric Pressure (mb) 1001

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.1
10	0	0	20.1
20	0	0	20.1
30	0	0	20.1
60	0	0	20.1
90	0	0	20.1
120	0	0	20.1
180	0	0	20.1

Water Level (mbgl) 1.96

Standpipe depth (m) 4.64