

Project Details

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 13/02/2020

Weather Grey skies, very windy, dry, wet underfoot.

Monitoring Visit No. 9

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

Geo-Environmental's Project Manager

 Levent Dogan

Monitoring Results

Results

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

Exploratory Hole WS01

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 994

Peak Flow (l/hr) 0.3

Steady Flow (l/hr) 0.0

VOC (ppm)

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.2
10	0.1	1.1	20.4
20	0.1	3.6	10.1
30	0.1	3.6	8.5

60	0.1	3.6	7.8
90	0.1	3.6	7.7
120	0.1	3.6	7.7
180	0.1	3.6	7.7

Water Level (mbgl) 2.00

Standpipe depth (m) 4.80

Remarks

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

Exploratory Hole WS02

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 996

Peak Flow (l/hr) 0.0

Steady Flow (l/hr) 0.0

VOC (ppm)

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0.1	0.6	20.5
20	0.1	1.6	14.6
30	0.1	1.6	11.8
60	0.1	1.6	11.1
90	0.1	1.6	11.1
120	0.1	1.6	11.1
180	0.1	1.6	11.1

Water Level (mbgl) 3.71

Standpipe depth (m) 4.48

Remarks

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

Exploratory Hole WS?Old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 0

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm)

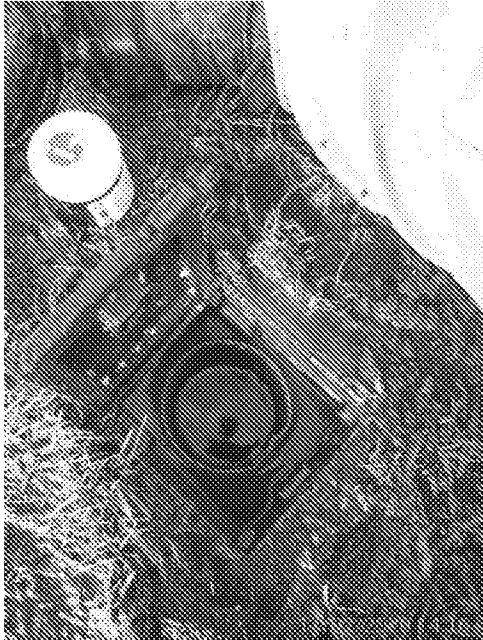
Water Level (mbgl) 3.07

Standpipe depth (m) 4.96

Remarks

Photograph(s)

(1 record)

Photograph	Description
	Well recharges before I can take gas data

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

Exploratory Hole WS04old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 997

Peak Flow (l/hr) 0.2

Steady Flow (l/hr) 0.2

VOC (ppm)

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.7
10	0.1	0.4	20.6
20	0.1	2.5	14.2
30	0.1	2.5	12.1
60	0.1	2.5	11.5
90	0.1	2.5	11.5
120	0.1	2.5	11.5
180	0.1	2.5	11.8

Water Level (mbgl)	2.96		
Standpipe depth (m)	2.97		
Remarks			
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU		
Exploratory Hole	WS05old		
Type of Monitoring	Gas & Water Level		
Atmospheric Pressure (mb)	996		
Peak Flow (l/hr)	0.9		
Steady Flow (l/hr)	0.3		
VOC (ppm)			
Gas Concentrations			
<i>Time (s)</i>	<i>Methane (%)</i>	<i>Carbon dioxide (%)</i>	<i>Oxygen (%)</i>
0	0	0	21.0
10	0.1	0.1	20.1
20	0.1	3.1	17.0
30	0.1	3.4	10.0
60	0.1	3.3	8.1
90	0.1	3.2	8.1
120	0.1	3.2	8.0
180	0.1	3.2	8.0
Water Level (mbgl)	1.71		
Standpipe depth (m)	4.55		
Remarks			
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU		
Exploratory Hole	WS06old		
Type of Monitoring	Gas & Water Level		
Atmospheric Pressure (mb)	0		
Peak Flow (l/hr)	0		
Steady Flow (l/hr)	0		
VOC (ppm)			
Water Level (mbgl)	0.0		
Standpipe depth (m)	2.78		
Remarks			
Photograph(s)			
(1 record)			

Photograph	Description
	Water at the level of the field, can't bail well.

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

Exploratory Hole WS09old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 993

Peak Flow (l/hr) 10.2

Steady Flow (l/hr) 0.0

VOC (ppm)

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.7
10	0.1	0.1	20.0
20	0.1	0.2	14.5
30	0.1	0.2	12.9
60	0.1	0.2	12.8
90	0.1	0.2	12.8
120	0.1	0.2	12.8
180	0.1	0.5	12.8

Water Level (mbgl) 2.21

Standpipe depth (m) 4.65

Remarks

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

Exploratory Hole WS10old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 997

Peak Flow (l/hr) 16.8

Steady Flow (l/hr) 0.1

VOC (ppm)

Gas Concentrations

<i>Time (s)</i>	<i>Methane (%)</i>	<i>Carbon dioxide (%)</i>	<i>Oxygen (%)</i>
0	0	0	20.7
10	0.1	0.1	20.5
20	0.1	0.2	12.3
30	0.1	0.2	10.2
60	0.1	0.2	9.4
90	0.1	0.2	9.3
120	0.1	0.2	9.2
180	0.1	0.2	9.2

Water Level (mbgl) 1.65

Standpipe depth (m) 2.95

Remarks

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

Exploratory Hole WS01old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 996

Peak Flow (l/hr) 0.0

Steady Flow (l/hr) 0.0

VOC (ppm)

Gas Concentrations

<i>Time (s)</i>	<i>Methane (%)</i>	<i>Carbon dioxide (%)</i>	<i>Oxygen (%)</i>
0	0	0	21.0
10	0.1	0.5	19.4
20	0.1	1.8	12.0
30	0.1	1.8	8.5
60	0.1	1.8	7.9
90	0.1	1.8	7.9
120	0.1	1.8	7.9

180	0.1	1.8	7.9
Water Level (mbgl)	2.95		
Standpipe depth (m)	2.96		
Remarks			