



YOUR HOUSING GROUP

LAND OFF LICKERS LANE WHISTON

MINE WORKINGS AND MINE SHAFT TREATMENT REPORT

NOVEMBER 2023

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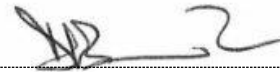
PREPARED BY:

Ethan Creed Engineering Geologist



REVIEWED AND APPROVED BY:

Douglas Brownjohn Technical Director



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Appendix A	The Coal Authority Permission No. 22821 to Enter and Disturb Coal Authority Mining Interests
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Appendix D	Grout Laboratory Testing Records
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DRAWINGS

DRAWING No.	TITLE	SCALE
GM11373-002 Rev A	Mining Situation	1:2500@A2
GM11373-003 Rev C	Proposed Drilling & Grouting Layout (Sheet 1-6)	1:250@A1
GM11373-008 Rev A	As Built Drilling & Grouting Layout (Sheet 1-7)	1:250@A1
GM11373-009 Rev A	As Built Drilling & Grouting Layout Showing Conjectured Geology	1:1000@A1

1 INTRODUCTION

1.1 Instruction

1.1.1 Wardell Armstrong LLP (WA) were commissioned by Your Housing Group (YHG) to design, supervise and report on the investigation and treatment of shallow abandoned coal mine workings and five recorded mine shafts on the Halsnead Garden Village site (the Site). The Site comprises two parcels of land, namely the Windy Arbor Road Garden Centre area and the main Lickers Lane area.

1.1.2 The Windy Arbor Road area is located at Windy Arbor Road, Whiston, L35 3SG (National Grid Reference: SJ 46862 90286). The main Lickers Lane area is located off Lickers Lane, Whiston, L35 3PW (National Grid Reference for area entrance: SJ 47131 90498). The location of the two areas is indicated on WA Drawing Number GM11373-002 Rev A.

1.2 Background

1.2.1 As detailed in section 1.1.1, the Site is split into two areas. The first area is the former garden centre situated off Windy Arbor Road, Whiston. The second area is a large open field area off Lickers Lane, Whiston and is bound by Lickers Lane to the north and adjacent fields to the east, south and west.

1.2.2 Desk based research indicated that the Site consists of superficial glacial deposits which overlay a bedrock composed of the Pennine Middle Coal Measures (MCM) formation. The MCM within the Site were indicated to contain four coal seams (Yard Mine, Earthy Delph, Upper Florida and Lower Florida) that subcrop directly beneath the Lickers Lane area, and the Fiery Mine that subcrops adjacent to the Windy Arbor Road area.

1.2.3 Desk based research indicated the primary method of mineral extraction within the Site area was by pillar and room methods. Boreholes drilled during previous coal prospecting indicated the presence of a number of historic mine workings directly beneath the Site. The findings of the investigations concluded that there was a strong potential for shallow mine workings to be present within all of the seams beneath the Site, and that the workings posed a significant risk to ground stability within the Site area.

1.2.4 The findings of the desk based researches concluded that there was a potential for shallow mine workings to be present within the Fiery Mine, Yard Mine, Earthy Delph, Upper Florida and Lower Florida coal seams, and recommendations were made to

conduct treatment work to consolidate any workings found beneath the proposed building plots by a process of rotary drilling and pressure grouting.

1.3 Scope of Works

- 1.3.1 The work comprised the drilling of rotary boreholes on a 6.0m centred (4.24m) grid beneath the proposed development (buildings and roadways) to locate the presence of the shallow coal seams and the pressure grouting of any associated voids and broken ground, and location and treatment of a mine shafts.
- 1.3.2 The initial scope of works included the investigation and treatment of the three recorded mine shafts (Coal Authority (CA) References 347390-002, 347390-004 & 347390-005) on the Lickers Lane area. These were initially searched for by long reach excavator, where a 10.0m radius area was excavated around the shaft best plot position. Of the three shafts only two (347390-002 & 347390-004) were located by this method. These shafts were further delineated by rotary boreholes on a 1.0m grid. Once located, pressure grouting in stages was undertaken to fill the associated voids and broken ground. Due to the presence of overhead cables, it was not possible to complete the search area for the third shaft (347390-005) and this was not located.
- 1.3.3 The two recorded mine shafts (CA References 346390-026 & 346390-029) on the Windy Arbor Road area were not searched for due to being located within dense trees and vegetation and outside of the proposed development layout.
- 1.3.4 During drilling of the treatment grid boreholes, 18 unrecorded features were encountered, of which 13 were considered to be shafts and 5 crown holes. These 18 features were probed on a 1.0m grid to delineate their extent and pressure grouted in stages, from their bases, to fill the associated voids and broken ground.
- 1.3.5 The drilling and pressure grouting work, for both the mine workings and the mine shafts, was undertaken by M&J Drilling between 06 June 2022 and 23 November 2022. The work was supervised on a full-time basis by WA and was carried out under a Permit (Reference No: 22821) issued by The Coal Authority (attached at Appendix A), which granted Your Housing Group permission to carry out the treatment of shallow mine workings and mine entries by drilling and pressure grouting on the Site.
- 1.3.6 This report describes the treatment work carried out to locate and consolidate the zones of potential instability associated with coal seams beneath the site as indicated on WA Drawing Number GM11373-002 Rev A, and to locate and treat the mine shafts.

2 SITE LOCATION AND DESCRIPTION

2.1 Site Location and Description

2.1.1 The Site is located on land off Windy Arbor Road, Whiston and land off Lickers Lane, Whiston approximately 1.0km to the south of Whiston centre (as shown on WA Drawing Number GM11373-002 Rev A).

2.1.2 The site is split into two areas (Windy Arbor Road area and Lickers Lane area). The Windy Arbor Road area covers approximately 5 acres and is generally linear in shape. The Lickers Lane area covers approximately 23 acres and is generally linear in shape. The Windy Arbor Road area is bordered to the north, east and south by residential developments and to the west by Windy Arbor Road. The Lickers Lane area is bordered to the north by Lickers Lane and to the east, south and west by pastoral land.

2.2 Geology

2.2.1 The following summary of the geological conditions present beneath the Site have been obtained from BGS data, Coal Commission plans, county geology sheets and abandonment plans.

Superficial Geology

2.2.2 The published geology indicates that the Site is underlain by Devensian Glacial Till. Superficial deposits of boulder clay were encountered during drilling.

Solid Geology

2.2.3 The solid geology encountered comprised of the Pennine Middle Coal Measures consisting of interbedded mudstone, sandstone, and coal. Solid geology was generally encountered at depths greater than 3mbgl.

2.2.4 Brief descriptions of the solid geology encountered based on flush returns and drill depths are as follows:

- Mudstone - generally observed as grey to black.
- Sandstone – Generally observed as a yellow sand.
- Coal seams – Five coal seams are generally observed across the site area, all separated by a locally expansive mudstone. All the seams are observed as dark black in colour, ranging in thickness between 1.0m to 4.0m at varying depths.

3 DESIGN

3.1 Methodology

- 3.1.1 The works were carried out in accordance with WA's Specification entitled 'Coal Workings Stabilisation Works at Lickers Lane, Whiston' for the drilling and grouting of abandoned mine workings and shafts based on principles developed over a number of years including guidance detailed within The Construction Industry Research and Information Association (CIRIA) Publication C758D "Abandoned Mine Workings Manual".
- 3.1.2 The general procedure to investigate and treat loose ground, potential cavities and broken ground associated with mine workings within the coal seams involves drilling boreholes on a regular grid pattern (6.0m centred (4.24m)) to such depths that they intersect the cavity, broken ground or coal seams in accordance with the 'Coal Workings Stabilisation Works at Lickers Lane, Whiston Specification' attached at Appendix B. The originally proposed grid and borehole layout are indicated on Drawing No. GM11373-003 (Sheets 1 – 6).
- 3.1.3 A grout consisting Pulverised Fuel Ash (PFA), Ordinary Portland Cement (OPC) with or without sand is then injected into the boreholes to infill any cavities or broken ground. The sequence of operations, the drilling depth, pattern and grouting of the boreholes were instructed and supervised by WA.

3.2 Outline Drilling Procedure

Mine Workings

- 3.2.1 The aim of the investigation and stabilisation works beneath the site is to ensure that the coal seams/workings (Fiery Mine, Yard Mine, Earthy Delph, Higher and Lower Florida) and mine shafts that are within influencing distance of proposed properties and roads are adequately investigated and stabilised in order to reduce the risk posed by the mine workings and mine shafts to a minimum.
- 3.2.2 The boreholes drilled to investigate and stabilise this area, including any broken / voided ground encountered comprised:
- Primary boreholes drilled on a 6.0m centred (4.24m) grid;
 - Secondary boreholes drilled on a 3.0m grid; and
 - Tertiary boreholes drilled on a 1.5m grid.

- 3.2.3 Initially drilling works were undertaken on the Windy Arbor Road area (Drawing No. GM11373-008, Sheet 1). Due to the predicted depth and thickness of the coal seam present here, drilling was only undertaken within the conjectured zone of instability of the seam. The initial boreholes were drilled along the northern row (A) to determine the minimum depth of the coal seam. On the basis that the coal seam was reported to be a maximum of 2.00m thick in this area, the initial investigation boreholes were drilled to a minimum of 20m ($>10 \times$ seam thickness (10T)) below rock head. Following this the treatment boreholes were generally drilled in a southerly direction to follow the seam beyond the conjectured zone of instability.
- 3.2.4 On completion of the Windy Arbor Road area (Drawing No. GM11373-008, Sheet 1), works commenced on the Lickers Lane area (Drawing No. GM11373-008, Sheets 2 to 7). Drilling was initially undertaken from the west (Sheets 2 and 5). In addition, a number of investigation boreholes were drilled on Sheets 3, 4, 5 and 7 during the Sheet 2 works. This was to help delineate the coals seams present on Site and inform on depths required to drill on the primary grid.
- 3.2.5 Works moved to the south-east section of the Site (Sheet 6) early in the program to avoid adverse ground conditions forming. On completion of Sheet 6 works resumed on Sheet 3 and then to Sheet 4. On all sheets, drilling generally began in the west and progressed up dip to the east.
- 3.2.6 The original design for the treatment works on the Site was based on a plot specific treatment grid. However, part way through the works this was amended to a 'block' treatment methodology due to numerous changes to the proposed housing layout. This method was used to allow for any additional potential layout changes by providing 'block' treatment beneath potential build zones rather than individual plot treatment. The 'block' treatment zone consisted of a grid extended a minimum of 15m from the back edge of the proposed road footpaths.
- 3.2.7 Primary boreholes on Sheet 6, column 15 from rows A to AG, indicated either the outcrop of the coal seams or the presence of a geological fault. However, drilling was still completed within the 'block grid' zone to confirm this.
- 3.2.8 The primary boreholes drilled beneath Sheet 3 columns 27-47 indicated the coal seams outcropped in this area due to the dip of the local strata, and it was therefore considered that further treatment was not needed east of the outcrop.

- 3.2.9 In order to avoid the effects of adverse weather, drilling and grouting on Sheet 6 was undertaken early in the program. However, due to layout changes, Sheet 6 was revisited at the end of the program. Additionally, due to the presence of existing overhead cables, drilling could not be undertaken within a 3m standoff zone either side of the cables. As such an area beneath the cables remains untreated.
- 3.2.10 Due to the location of the coal outcrop, drilling works on Sheet 7 were modified to have one hole under each plot to confirm no coal was present at a minimum depth of 30mbgl.
- 3.2.11 All boreholes were cased through any superficial deposits with the casing socketed into rock before drilling progressed through the solid strata.
- 3.2.12 Drilling in all areas was undertaken utilising both vertical and angled boreholes to reach the target locations shown on WA Drawing Number GM11373-008 (Sheets 1 to 7). Drillers logs for all the boreholes drilled are in attached at Appendix C. It should be noted that the references to Sheet numbers on the driller's logs refer to the original design Drawing No. GM11373-003 Sheets 1 – 6.

Recorded Mine Shafts

- 3.2.13 To locate the recorded mine shafts, excavation of the superficial deposits using a long reach excavator was undertaken. Due to the inconsistency in exposed strata, probe drilling was undertaken on a closely spaced grid (1.0m) centred on the WALLP 'best plot' location until 'soft' drilling below rockhead level was recorded. It is considered that this soft drilling recorded to below the anticipated rockhead depth was indicative of the infilled mine entry location.
- 3.2.14 Once mine shaft locations were proven, a primary borehole was drilled down the centre of the mine shaft to its base, with 'hard' drilling indicating the solid rock strata beneath the mine shaft proven by at least 5.0m. Additional boreholes were also drilled in the mine shaft to its base in order to facilitate the pressure grouting of the fill materials within the mine shaft.
- 3.2.15 Drillers logs for all the recorded shaft boreholes drilled are in attached at Appendix C. It should be noted that the references to the Sheet numbers on the drillers logs refer to the original design Drawing No. GM11373-003 Sheets 1 – 6.

Unrecorded Mine Shafts/Crown Holes

- 3.2.16 Where unrecorded mine shafts and 'crown hole' features were located on the treatment grid, probe drilling was undertaken to determine the unrecorded mine shaft/crown hole extents using the same methods as the recorded mine shafts, subsequently followed by pressure grouting of the fill materials within the features.
- 3.2.17 Drillers logs for all the unrecorded shaft / crown hole boreholes drilled are in attached at Appendix C. It should be noted that the references to the Sheet numbers on the driller's logs refer to the original design Drawing No. GM11373-003 Sheets 1 – 6.

3.3 Outline Grouting Procedure

Mine Workings

- 3.3.1 Due to the Windy Arbor Road area being much smaller than the Lickers Lane site, drilling and grouting was completed in this area before moving to the Lickers Lane area. Once on the Lickers Lane area, grouting was undertaken in tandem with the primary drilling.
- 3.3.2 Once a treatment borehole was drilled to depth the drill rods were removed and a 50mm plastic tremie pipe was inserted into the borehole to the depth of the coal seam or mine workings for grout injection using a 9:1 grout mix (pfa:cement). Grouting under pressure was continued via the tremie pipe until grout emerged out of the top of the casing. The tremie pipe was then withdrawn and grout injected under pressure via a T-connection pipe attached to the top of the casing to ensure sufficient grouting of the mine workings had been achieved. Upon completion, the casing was removed and the borehole topped-up with grout.
- 3.3.3 The requirements for any Secondary or Tertiary treatment boreholes were determined following grouting of primary boreholes on the following basis:
- If any individual hole took more than 5 tonnes of grout, then 4 secondary/tertiary holes would be placed around it; and
 - If the total grout take of any 4 adjacent holes was >10 tonnes, then a secondary/tertiary hole would be placed in the middle of the 4 holes.
- 3.3.4 Test boreholes were drilled and grouted at the discretion of the WA Engineer following a review of the drilling and grouting records.

- 3.3.5 Grout logs for all the treatment boreholes are in attached at Appendix C. It should be noted that the references to the Sheet numbers on the grout logs refer to the original design Drawing No. GM11373-003 Sheets 1 – 6.

Mine Shafts

- 3.3.6 Mine Shaft treatment used a modified approach of the grouting procedure outlined above used during the grouting of the main workings. The primary mine shaft treatment borehole was pressure grouted in 2.0 metre stages from the base of the mine shaft to the surface. The grout injected into the primary treatment borehole was then allowed to cure for a minimum of 24 hours, following which a secondary treatment borehole was drilled 0.5m away from the primary borehole. The secondary borehole was drilled and grouted using the same procedure as the primary treatment hole to test the efficacy of the primary treatment hole.
- 3.3.7 The requirements for any subsequent treatment borehole(s) was determined by the following:
- If the secondary borehole accepted more than 10% of the grout tonnage that the primary hole accepted, then a further borehole was required; and,
 - If the any subsequent further borehole accepted more than 10% of the combined grout tonnage of all previous boreholes, then a further borehole would be required.
- 3.3.8 Grout logs for all the shaft and crown hole boreholes drilled are attached at Appendix C. It should be noted that the references to the Sheet numbers on the grout logs refer to the original design Drawing No. GM11373-003 Sheets 1 – 6.

Testing

- 3.3.9 To ensure the quality of the grout mix being injected into the mine workings and the mine shaft met the requirements of the Specification, testing (lucidity, bleed capacity and strength tests) was carried out throughout the grouting works. All laboratory strength testing results are attached at Appendix D and the lucidity (flow), and bleed capacity are recorded on the grout logs attached at Appendix C. The results of the grout testing confirm that all grout quality was generally in accordance with the requirements of the Specification.

3.4 **Layout Alterations**

- 3.4.1 During the drilling and grouting program, the overall site layout for housing development zones was altered several times. Due to changes in the layout, there was a need to revisit completed sheets on the Lickers Lane area to ensure all plots were covered by the drill and grout grid. This caused an increase in the program length and a change in methodology of drilling. Instead of the original plot by plot drilling grid, drilling and grouting was undertaken within zones which extended 15m from the back of road footpaths to allow for any potential further alterations in the layout and to reduce the need to revisit areas. The locations of all the treatment boreholes, and the treated shafts, are shown on Drawing No. GM11373-008 Sheets 1-7.

4 TREATMENT OF MINE WORKINGS AND RESULTS OF GROUND STABILISATION

4.1 Primary Boreholes

- 4.1.1 2255 primary boreholes were drilled to depths up to 51mbgl across the entire site. 58 of these were angled holes. The primary boreholes were drilled on a 6-metre centred (4.24m) grid with a target depth of 2.0m past the base of any suspected workings or coal seams encountered. Where angled holes were required, the offset from the primary grid was used to determine the angle to drill to reach the target depth.
- 4.1.2 Of the 2255 primary boreholes, 245 were drilled under proposed roads with 12 angled. Road boreholes were drilled on an approximate 12-metre grid along two lines offset by 6.0x3.0m.
- 4.1.3 A grouting mix of 9:1 (Pulverised Fuel Ash (PFA): Ordinary Portland Cement (OPC)) was utilised throughout the works.
- 4.1.4 A total of approximately 1356.98 tonnes of grout was pumped into primary holes. A total of 52 holes accepted more than 5 tonnes of grout.

4.2 Secondary Holes

- 4.2.1 The secondary holes were drilled where primary holes accepted more than 5 tonnes of grout, or any 4 primary boreholes accepted a combined total of 10 tonnes or more. Secondaries were drilled around the primary borehole to locally reduce the grid to a 3.0 metre square pattern.
- 4.2.2 171 secondary boreholes were drilled to depths up to 50mbgl across the entire site. One of these was an angled hole and 14 were under proposed roads.
- 4.2.3 The secondary boreholes were grouted using the same methods as the primary boreholes to confirm the efficacy of the primary operations. A total of approximately 50.94 tonnes of grout was injected into the secondary holes. A total of 1 hole accepted more than 5 tonnes of grout.

4.3 Tertiary Holes

- 4.3.1 Tertiary holes were drilled where secondary holes accepted more than 5 tonnes of grout. Tertiaries were then drilled around the secondary borehole to locally reduce the grid to a 1.5 metre square pattern.
- 4.3.2 2 tertiary boreholes were drilled to depths up to 20mbgl across the entire site.

4.3.3 The tertiary boreholes were then grouted using the same methods as the primary boreholes to confirm the efficacy of the primary and secondary operations. A total of approximately 0.583 tonnes of grout was injected into the tertiary holes. No tertiary holes accepted more than 5 tonnes of grout.

4.4 Test Holes

4.4.1 Test holes were drilled at the discretion of the WA Site Engineer in selected areas of high grout takes in order to confirm the efficacy of the drilling and grouting operations.

4.4.2 105 test boreholes were drilled to depths up to 49mbgl across the entire site with 9 under proposed roads. The test boreholes were drilled with a target depth of 2m past the base of any suspected workings encountered.

4.4.3 The test boreholes were then grouted using the same methods as the primary boreholes to confirm the efficacy of the primary, secondary and tertiary operations. A total of approximately 25.47 tonnes of grout was injected into the test holes. No test holes accepted more than 5 tonnes of grout.

4.5 Summary of Holes Drilled

4.5.1 A summary of the meterage and grout acceptances for the mine workings treated during the project are detailed below in Table 1 below (does not include mine shaft treatment data):

Table 4.1: Summary of Meterage and Grout Injected			
Borehole	No. of Holes	Meterage (m)	Grout Injected (T)
Primary	2255	72395.50	1356.98
Secondary	171	4295.00	50.94
Tertiary	2	40.00	0.583
Test	105	2786.00	25.47
Total	2533	79516.50	1433.97

5 TREATMENT OF MINE SHAFTS AND RESULTS OF MINE SHAFT STABILISATION

5.1 Drilling and Pressure Grouting of the Recorded Mine Shafts

5.1.1 Two of the recorded mine shafts were treated, one on Sheet 4 (347390-002) and the other on Sheet 6 (347390-004). These mine shafts were initially searched for via long reach excavator and both found. However, due to uncertainty in the findings for shaft 347390-004, this shaft was investigated by probe drilling to confirm the presence and extents.

5.1.2 Shaft 347390-005 was not located and only partially searched for due to the presence of overhead cables within the search area as shown on WA Drawing Number GM11373-008 (Sheet 6), therefore it may be present within the area unsearched.

Shaft 347390-002

5.1.3 A grouting mix of 9:1 (Pulverised Fuel Ash (PFA): Ordinary Portland Cement (OPC)) was used.

5.1.4 The primary mine shaft treatment borehole was drilled to 26mbgl and accepted 4.00 tonnes of grout.

5.1.5 A secondary treatment borehole was drilled to 26mbgl then grouted using the same methods as the primary treatment borehole to confirm the efficacy of the primary operation. The secondary borehole accepted 0.7 tonnes of grout.

Shaft 347390-004

5.1.6 24 investigation/treatment boreholes were drilled to depths of up to 10mbgl. The boreholes were drilled on a 1-metre square pattern with a target depth of 1m past the base of any suspected mine shaft or workings encountered.

5.1.7 A grouting mix of 9:1 (Pulverised Fuel Ash (PFA): Ordinary Portland Cement (OPC)) was used.

5.1.8 The primary mine shaft treatment borehole was drilled to 9.5mbgl and accepted 2.00 tonnes of grout.

5.1.9 A secondary treatment borehole was drilled to 10mbgl then grouted using the same methods as the primary treatment borehole to confirm the efficacy of the primary operation. The secondary borehole accepted 0.3 tonnes of grout.

5.1.10 A total of approximately 7.00 tonnes of grout was injected into the investigation/treatment boreholes for the two recorded mine shafts treated.

5.2 Drilling and Pressure Grouting of the Unrecorded Mine Shafts/Crown Hole Features

5.2.1 During the drilling works a total of 18 suspected unrecorded mine shafts/crown holes were encountered during the drilling works on the treatment grid. The features were identified by soft drilling being recorded below expected rockhead level at each location. To confirm the presence of an unrecorded mine shaft/crown hole the features were further probed on a 1.0m grid to delineate their extents, and subsequently treated using the same method as the recorded mine shafts.

5.2.2 A grouting mix of 9:1 (Pulverised Fuel Ash (PFA): Ordinary Portland Cement (OPC)) was used.

5.2.3 The treatment of these unrecorded features is detailed in Table 2 below:

Table 5.1: Summary of Unrecorded Mine Shafts/Crown Holes Treatment						
Sheet (Drawing No. GM11373- 008)	Shaft/ Crown Hole Reference Number	Identified As Crown Hole/Shaft	Investigation/ Treatment Holes (No.)	Maximum Depth (m)	Primary Grout Take (T)	Secondary Grout Take (T)
2	I27/UR M/S 1	Shaft	36	40.0	3.00	1.50
2	M55/UR M/S 2	Shaft	22	32.0	12.30	1.00
2	AA39/UR M/S 3	Shaft	35	40.0	2.60	0.70
2	AE59/UR M/S 4	Shaft	28	34.0	3.30	2.00
5	M7/UR M/S 5	Shaft	22	25.0	2.00	0.50
5	H20/UR M/S 6	Crown Hole	16	13.0	1.00	0.50
6	Z4/UR M/S 7	Shaft	33	33.0	7.00	0.70
3	AA17/UR M/S 8	Shaft	19	22.0	32.00	1.00
3	Q23/UR M/S 9	Crown Hole	17	13.0	17.00	1.50*

Table 5.1: Summary of Unrecorded Mine Shafts/Crown Holes Treatment

Sheet (Drawing No. GM11373- 008)	Shaft/ Crown Hole Reference Number	Identified As Crown Hole/Shaft	Investigation/ Treatment Holes (No.)	Maximum Depth (m)	Primary Grout Take (T)	Secondary Grout Take (T)
3	W23/UR M/S 10	Crown Hole	20	16.0	14.80	0.50
3	U25/UR M/S 11	Crown Hole	31	13.0	4.00	1.50*
3	P22/UR M/S 12	Crown Hole	28	12.0	20.00	2.00*
3	M8/UR M/S 13	Shaft	18	21.0	27.00	1.00
3	V7/UR M/S 14	Shaft	27	23.5	30.20	2.00
4	J8/UR M/S 15	Shaft	26	33.0	5.00	2.00
4	U11/UR M/S 16	Shaft	36	36.0	1.00	1.00
4	AA5/UR M/S 17	Shaft	24	40.0	1.30	1.00
2	AK47/UR M/S 18	Shaft	20	39.0	13.40	1.30

* Secondaries were drilled as four holes 0.5m around centre

5.3 Drilling and Pressure Grouting of Grout Plugs

5.3.1 Due to the quantity of mine shafts and crown hole features only the shafts/crown holes features located under highways and in close proximity to plots are proposed to be capped at a later stage, prior to development. The shafts proposed to be capped, based on the current layout, are listed below.

- 347390-002
- AA39/UR M/S 3
- M7/UR M/S 5

- M8/UR M/S 13
- V7/UR M/S 14
- AA5/UR M/S 17
- AK47/UR M/S 18

5.3.2 To reduce the risk of surface settlement associated with those shafts and crown holes that will not be capped, a grout plug was created to further stabilise the shafts/crown holes and overlying superficial deposits. Any shafts/crown holes not to be capped are currently located within areas of public open space or gardens, and outside influencing distance of infrastructure or buildings.

5.3.3 The grout plug was drilled on a 1.0m square grid within and around the shaft/crown hole at 2x the diameter of the shaft. All boreholes within the shaft/crown hole were drilled to 10.0m below rockhead and all outside of the shaft/crown hole were drilled 1.0m into rockhead.

5.3.4 Pressure grouting was then undertaken within all boreholes to further stabilise the shaft/crown holes and to fill the overlying superficial deposits with grout to increase ground stability.

5.3.5 Superficial deposits are not cased when pressure grouted to ensure grout penetrated throughout.

5.3.6 A summary of the grout plugs undertaken is detailed in Table 3 below:

Table 5.2: Summary of Grout Plug Treatment						
Sheet (Drawing No. GM11373- 008)	Borehole/Shaft Number	Treatment Holes	Depth in Shaft (m)	Depth out of Shaft (m)	Diameter (m)	Grout Take (T)
2	I27/UR M/S 1	81	13.0	4.0	8x8	6.70
2	M55/UR M/S 2	72	14.0	5.0	8x8	4.20
2	AE59/UR M/S 4	72	13.0	4.0	8x8	3.50
5	H20/UR M/S 6	25	13.0	4.0	4x4	1.50

Table 5.2: Summary of Grout Plug Treatment

Sheet (Drawing No. GM11373- 008)	Borehole/Shaft Number	Treatment Holes	Depth in Shaft (m)	Depth out of Shaft (m)	Diameter (m)	Grout Take (T)
6	Z4/UR M/S 7	81	12.0	3.0	8x8	4.00
6	347390-004	81	11.0	4.0	8x8	4.00
3	AA17/UR M/S 8	81	12.0	3.0	8x8	3.30
3	Q23/UR M/S 9	9	12.0	3.0	2x2	1.00
3	W23/UR M/S 10	49	12.0	3.0	6x6	3.00
3	U25/UR M/S 11	81	12.0	3.0	8x8	3.50
3	P22/UR M/S 12	21	12.0	3.0	8x8	1.50
4	J8/UR M/S 15	81	12.0	3.0	8x8	7.00
4	U11/UR M/S 16	81	12.0	3.0	8x8	4.70

6 SUMMARY OF GROUND STABILISATION FINDINGS IN WORKINGS

6.1 Broken Ground

6.1.1 During the drilling works, voided/broken ground was recorded by the driller's logs across the site. However, due to the rotary drilling technique used (and the specific ground conditions) it can be difficult to distinguish between voided, broken ground and soft ground making it problematic to identify these features consistently. A signature of the drilling that does identify either voided, soft or broken ground is loss of the drilling flush. Within the rock strata, loss of flush occurs when the drilling flush is "lost" during drilling and the circulation flush does not return to the top of the borehole but runs into a void / broken / soft ground or a particularly permeable zone at some depth below the surface. Loss of flush generally occurs due to broken, fractured or soft ground within the borehole, which allows migration of the flush into the surrounding geology, this can indicate the presence of voids and dissolution. Loss of flush can also occur within granular superficial deposits where these have not been cased off.

6.1.2 Loss of flush was encountered in approximately 917 boreholes across the site. All loss of flush / voided / broken ground encountered during the drilling works is detailed in the drilling logs attached at Appendix C.

6.1.3 During drilling the areas of voided/broken ground were recorded at thicknesses of up to a maximum of 7.0 metres.

6.2 No Coal

6.2.1 During the drilling works, areas of no coal were recorded by the driller's logs to the east of the site. These areas were determined to be past the point of outcrop of the coal seams on site and therefore no coal was seen in the boreholes due to the dip of strata. All boreholes that didn't encounter coal at usual depths in these areas were drilled to 30mbgl as the next coal seam in stratigraphical order is estimated as no more than 2m thick, therefore only requires 20m of cover. Drilling to 30mbgl confirmed that there was no coal within an influencing depth to the surface.

6.2.2 No coal was encountered in approximately 163 boreholes towards the east of the site. All boreholes where no coal was encountered during the drilling works is detailed in the drilling logs attached at Appendix C.

6.3 Grout Takes

- 6.3.1 During the drilling and grouting works, grout takes on the treatment grid ranged from nominal grout takes of 0.2 tonnes to a maximum grout take in a single treatment borehole of 19.00 tonnes (Sheet 6, AC13). WA Drawing Number GM11373-008 (Sheets 1 to 7) shows the distribution of grout takes.
- 6.3.2 In general, boreholes that accepted less than 1 tonne of grout were located in areas that proved firm drilling and little to no evidence of broken ground. The grout takes in these areas relate to the grouting up the annulus of the borehole drilled. The locations of all boreholes drilled during the works with the total grout take is detailed on WA Drawing Number GM11373-008 (Sheets 1 to 7).
- 6.3.3 Boreholes that accepted more than 1 tonne of grout and specifically more than 5 tonnes of grout correlate well with the areas of broken ground.
- 6.3.4 Detailed grouting records are attached at Appendix C.

7 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions and Recommendations

- 7.1.1 The geology and mine workings beneath the site have been investigated in accordance with accepted practices. Broken ground attributed to legacy coal mining was encountered across the site as presented in the drilling logs attached at Appendix C. The areas of highest grout take correlate with the densest areas of broken ground.
- 7.1.2 In summary, the works involved the drilling of 2533 boreholes which resulted in 79,516.50 metres of drilling and 1,433.97 tonnes of grout injected. The ground stabilisation works were completed in accordance with the WA Specification entitled 'Coal Workings Stabilisation Works at Lickers Lane, Whiston' and all reasonable steps have been taken to protect and stabilise the ground beneath the site, as shown on WA Drawing Number GM11373-008 (Sheets 1 to 7).
- 7.1.3 The locations of the coal seam outcrops beneath the Site have been conjectured based on the results of the drilling works undertaken. The updated conjectured coal seam outcrops are shown on WA Drawing Number GM11373-009.
- 7.1.4 The location of two recorded mine shafts (347390-002 and 347390-004) has been proven by probe drilling and were subsequently stabilised by pressure grouting. A third recorded shaft (347390-005) was searched for but not located, although the search area was not completed due to the presence of overhead cables.
- 7.1.5 It is recommended that the search for shaft 347390-005 is completed, under the supervision of an Engineer experienced in shaft location works, following the removal of the overhead cables. If found, then the shaft should be treated by drilling and pressure grouting to the same standard as the other shafts if considered necessary. Additionally, if found, the housing layout will need to be reviewed and adjusted accordingly to account for the location of the shaft.
- 7.1.6 The two recorded shafts (346390-026 and 346390-029) on the Windy Arbor Road area were not searched for due to being located within dense trees and vegetation and not located beneath the proposed housing development layout. However, shaft 346390-026 is potentially beneath the location of a proposed road. Should the road be constructed then this shaft should be searched for and if located within influencing distance of the road then it should be treated.

- 7.1.7 Should the development proposals be revised at any stage in the future the recorded location of shafts 346390-026 and 346390-029 should be re-assessed, by an Engineer experienced in mining issues, against any development proposals, and if consider a potential risk they should be investigated further and potentially treated if considered necessary.
- 7.1.8 The location of a further 18 unrecorded mine shafts/crown holes has been proven by probe drilling. These were subsequently stabilised by pressure grouting, with 13 (as detailed n Table 3) additionally stabilised using a grout plug. The location of the mine shafts is shown on WA Drawing Number GM11373-008 (Sheets 1 to 7). Appendix E includes a Technical Note providing guidance on which shafts do not require reinforced concrete caps.
- 7.1.9 The shafts identified (see Section 5.3.1) to be capped will need the capping to be undertaken prior to any development proceeding. The caps should be designed by a suitably qualified Structural Engineer experienced in the design of mine shaft caps to best practice standards.
- 7.1.10 Based on the work undertaken, it is considered that the historical mining situation within the Windy Arbor Road and Lickers Lane areas have been satisfactorily investigated and treated in accordance with accepted practices and guidelines.
- 7.1.11 WA is satisfied that development site can now proceed within the treated zones without further regard to the risk of future collapse or settlement of shallow abandoned mine workings within the seams investigated.
- 7.1.12 If any future development on the Site, outside the areas investigated and treated, are proposed then advice from an Engineer experienced in mining issues should be sought to establish the requirement for additional investigation of the potential shallow mining situation.
- 7.1.13 If the area beneath the overhead cables is to contain housing development then it is recommended that following removal of the cables drilling and grouting works should be undertaken at a future date beneath the proposed development.

- 7.1.14 The above recommendations are based on the interpretation of the treatment work beneath the Windy Arbor Road and Lickers Lane site areas. Due to the investigative nature of the work undertaken, there may be mining issues that have not been identified to date and which might be contrary to the findings of this report. Should any such issues come to light which required WA's further advice then this should be brought to our attention without delay.
- 7.1.15 The potential for additional unrecorded shafts/crown holes to be present cannot be discounted and there is a need for a careful watching brief during any excavation works. If any anomalies or suspect features are encountered, then advice and guidance from a suitably qualified Engineer should be sought.
- 7.1.16 Any future works to investigate and treat coal seams or shafts will require a Coal Authority Permit.
- 7.1.17 Due to the shallow depth to rockhead, coal may be encountered in some excavation work. This work would require an Incidental Coal Agreement Licence for coal mining operations from the Coal Authority, which has a flat application fee and a fee per tonne of coal extracted.

APPENDICES

Appendix A
The Coal Authority Permission No. 22821 to Enter and Disturb Coal Authority Mining
Interests



The Coal
Authority

Permit to Enter or Disturb Coal Authority Interests

Permit 22821

Name and Address of Permit Holder:

Your Housing Group
Youngle House
130 Birchwood Boulevard
Birchwood
Warrington
WA3 7QH

Site Location:

Lickers Lane
Whiston
Prescot
L35 3JF

This certificate hereby grants the above named Permit Holder a Permit to carry out:-

Treatment of shallow mine workings by drilling and grouting and treatment of five mine entries by capping within the Authority's interests at the identified site location above as shown on the Grant Permit Boundary (overleaf) for the period of 12 months from the granted date shown below. *The granting of this Permit does not constitute advice given by the Authority in relation to the proposed operations. It is the Permit Holder's responsibility to obtain appropriate health, safety, environmental, technical and legal advice.*

Conditions:

- *Manned entry (i.e.) into mine entries/workings) is strictly prohibited.*
- *Capping works must not commence prior to completion of CA engineering appraisal*
- *Water flush*
- *Gas Monitoring CO, CH₄, CO₂, O₂, H₂S at borehole and rig*
- *Operators undertaking the work must be in possession of this certificate and the Permit boundary plan at the time of works*
- *Appropriate borehole sealing without delay and to withstand site level changes*

Signed: Jake Morris Granted Date: 05/10/2021

For and on behalf of The Coal Authority

Nominated Representative: Jake Morris, Permitting Manager;

The Coal Authority, Permitting Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG

Tel: 01623 637450; E-Mail: permissions@coal.gov.uk



Permit Ref: 22821

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The Coal
Authority

Permit to Enter or Disturb Coal Authority Interests

Permit 22821

Name and Address of Permit Holder:

Your Housing Group
Youngle House
130 Birchwood Boulevard
Birchwood
Warrington
WA3 7QH

Site Location:

Lickers Lane
Whiston
Prescot
L35 3JF

This certificate hereby grants the above named Permit Holder a Permit to carry out:-

Treatment of shallow mine workings by drilling and grouting and treatment of five mine entries by capping within the Authority's interests at the identified site location above as shown on the Grant Permit Boundary (overleaf) for the period of **6 months** from the granted date shown below. *The granting of this Permit does not constitute advice given by the Authority in relation to the proposed operations. It is the Permit Holder's responsibility to obtain appropriate health, safety, environmental, technical and legal advice.*

Conditions:

- *Manned entry (i.e.) into mine entries/workings) is strictly prohibited.*
- *Capping works must not commence prior to completion of CA engineering appraisal*
- *Water flush*
- *Gas Monitoring CO, CH₄, CO₂, O₂, H₂S at borehole and rig*
- *Operators undertaking the work must be in possession of this certificate and the Permit boundary plan at the time of works*
- *Appropriate borehole sealing without delay and to withstand site level changes*

Signed: Jake Morris Granted Date: 07/10/2022

For and on behalf of The Coal Authority

Nominated Representative: Jake Morris, Permitting Manager;

The Coal Authority, Permitting Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG

Tel: 01623 637450; E-Mail: permissions@coal.gov.uk



Permit Ref: 22821

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Appendix B
Drilling and Pressure Grouting Procedure – Mine Workings
Treatment Specification

Our ref: MF/GM11373/001
Your ref:

Date: 25th March 2021



YOUR HOUSING GROUP

COAL WORKING STABILISATION WORKS AT LICKERS LANE, WHISTON

SPECIFICATION

	The land off Lickers Lane is located approximately 16.0 km east of Liverpool city centre and approximately 1.5 km south of Prescott town centre (centred at National Grid Reference SJ 472 903)
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4	SPECIAL REQUIREMENTS WHEN WORKING IN THE VICINITY OF ABANDONED MINE SHAFTS	20
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APPENDICES

Appendix A	Services
Appendix B	Previous Reports
Appendix C	Consultants Coal Mining Authority Report
Appendix D	BGS Information
Appendix E	Japanese Knotweed Locations

DRAWINGS

DRAWING NO.	TITLE	SCALE
GM11373-002	Mining Setting	1: 2500
GM11373-003	Proposed Drilling and Grouting Layout (Sheet 1 to 6)	1: 250
GM11373-004	General Arrangement	1:2000
GM11373-005	Typical shaft capping details	1: 2000

1 MINE WORKING STABILISATION TREATMENT SPECIFICATION

1.1 Description of Project

The site under investigation is situated approximately 16 km east of Liverpool city centre and approximately 1.5 km south of Prescot town centre, centred at National Grid Reference SJ 472 903 (site location detailed in Figure 1 below).

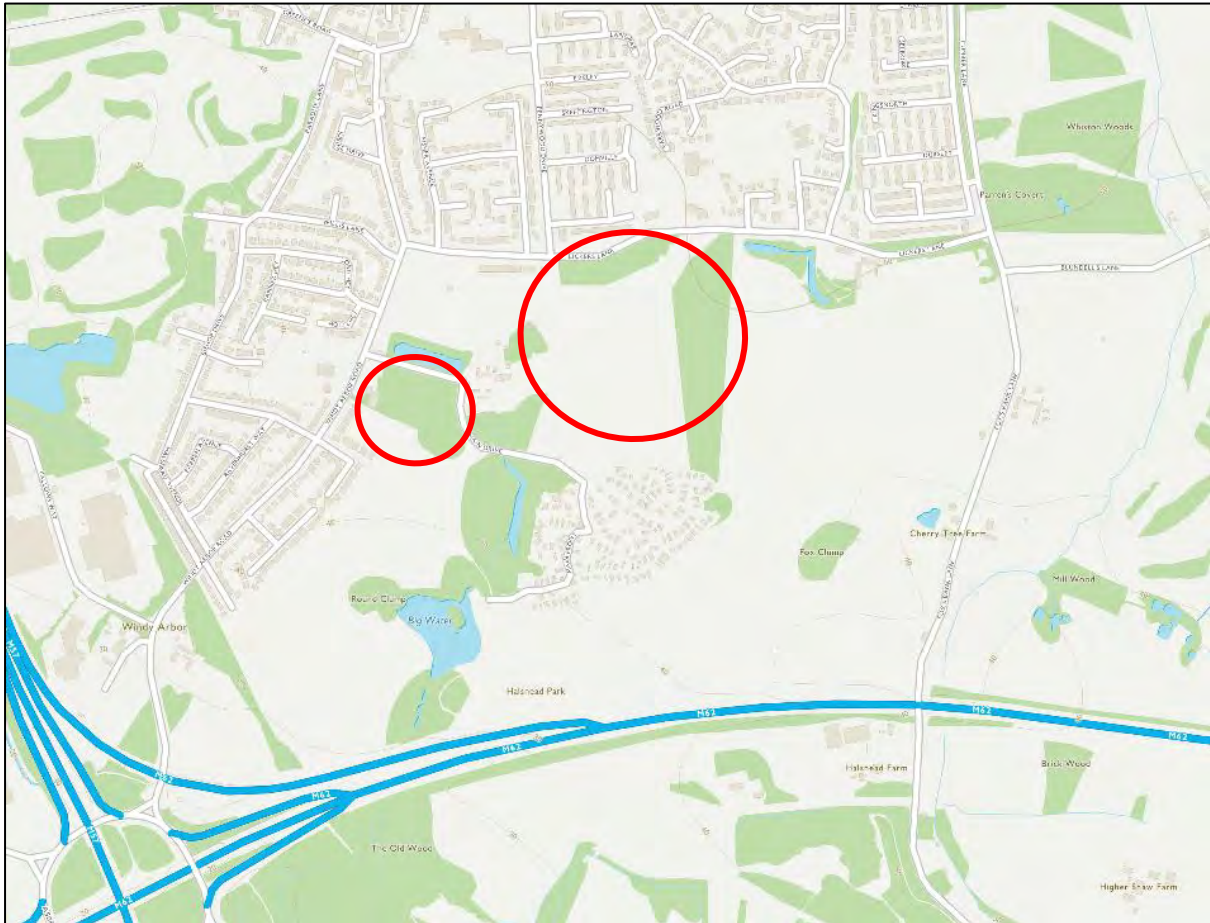


Figure 1: Screenshot of site location, red circles denote site areas.

Research and historic site investigations have verified the presence of historic surface and subsurface coal workings and mine shafts beneath the site area which present a substantial risk to ground stability within the housing development site.

The works will comprise treatment and grouting of abandoned coal workings, 5 mine shafts beneath the footprint of the future site.

1.2 Scope of Works

The scope of the works will generally comprise:

- Drilling and pressure grouting of the coal mine workings to a depth not anticipated to exceed 45.0m on a 6.0m grid with centre boreholes (4.24m grid), with secondary, tertiary and check boreholes to be drilled as directed by the Engineer.
- Shaft searching (up to 5 shafts) by rotary probe drilling carried out on a 1.0m spiral grid of boreholes drilled to rockhead, from the 'best plot' location of the recorded shaft position to a radius of up to 10m. Should a shaft not be located within a 10.0m radius of the 'best plot' location a review would be undertaken to confirm the 'best plot' location. Following this review further searching beyond the 10.0m radius of the initial 'best plot' position may be required to confirm the location of the shaft. Additionally, the works programme to investigate the mine shafts is designed in a way that modifications and refinement to the best plot locations would take place during the works when positions are proven.
- Dependant on the proven location of the mine entry, and its potential influence on the footprint of the future site, treatment of the shaft by drilling, pressure grouting and capping may be required. This will be confirmed once the mine entry location is proven.

The layout of the site and arrangement of the works is shown on Wardell Armstrong LLP (WA) Drawing Number GM11373-002 Mining Situation and WA Drawing Number GM11373-004 General Arrangement.

If significant voided old workings, or unrecorded shafts, are encountered or the dip of the strata is shallower than anticipated then additional drilling and grouting may be undertaken at the discretion of the Engineer.

The Principal Contractor will be responsible for setting out the shaft 'best plot' position, the corners of the shaft searching grid, and control boreholes on the drill & grout grid. The Contractor will be responsible for ensuring that the grid markers are maintained for the duration of the drilling and grouting and will be responsible for the setting out of the investigation and grouting grid and all investigation and grouting boreholes.

Boreholes drilled to stabilise any shallow mining horizon and the mine shaft are to be grouted at a nominal 9:1 (PFA:OPC) mix.

The proposed works shall be undertaken in accordance with this Specification, WA Drawings GM11373-002 and GM11373-004 and with regard to guidance given in CIRIA C758D – Abandoned Mine Workings Manual, 2019.

2 GENERAL ITEMS

2.1 Provision and Maintenance of Materials and Labour

In order to enable the works to proceed without delay the Contractor shall:

- Provide all plant, equipment and materials required in connection with the Works;
- Erect and maintain such plant and equipment as require erection and remove on completion of the Works;
- Provide adequate storage facilities for all material, plant and equipment necessary for the Works; and,
- Provide all labour for the Works.

2.2 Materials

Goods and materials used in the execution of this Contract shall, where possible, have been produced in the United Kingdom, the British Commonwealth or the European Union. Where a specification issued by the British Standards Institute is current at the date of the tender and is appropriate, goods and materials used in the execution of this Contract shall be in accordance with the specification.

2.3 Personnel and Relevant Experience

Prior to commencement of the Works, the Contractor shall provide a list of key personnel he proposes to employ together with a resume of their experience and qualification. The list of key personnel shall include the name of the full-time Contractors Agent.

2.4 Contractor's Superintendence

The Contractor shall give or provide all necessary superintendence during the execution of the Works and as long thereafter as the Engineer may consider necessary. Such superintendence shall be given by sufficient persons having adequate knowledge of the operations to be carried out (including the methods and techniques required the hazards likely to be encountered and the methods of preventing accidents) as may be requisite for the satisfactory construction of the Works.

2.5 Contractor's Agent

The Contractor or a competent and authorised agent or representative approved of in writing by the Engineer (which approval may at any time be withdrawn) is to be constantly on the Works and shall give his whole time to the superintendence of the same. Such authorised

agent or representative shall be in full charge of the Works and shall receive on behalf of the Contractor directions and instructions from the Engineer. The Contractor or such authorised agent or representative shall be responsible for the safety of all operations.

2.6 Site Facilities

All buildings, sheds and other temporary structures that the Contractor may erect for his own or the Engineers purpose shall in respect of location, design and sanitary arrangements meet with the approval of the Engineer. Immediately on completion of the Works, or at such other times as the Engineer may determine that they are no longer required, all temporary buildings, offices, sheds, huts, stores and other accommodations put up by the Contractor shall be removed by him.

2.7 Site Cleanliness and Making Good Working Areas

The Contractor shall confine his operations to the minimum area of ground required for proper execution of the works and access thereto. The Contractor shall at all times keep the working area and area surrounding all site temporary buildings clean and tidy. The Contractor shall be responsible for the disposal of all mud, water, chippings, soil or other waste products resulting directly or indirectly from the works. The Contractor shall take all precautions necessary to prevent pollution or contamination of streams, waterways and watercourses. Upon instructions from the Engineer, when the works have been satisfactorily completed, the Contractor shall leave the working area and the access thereto in a clean and tidy condition. The Contractor shall repair any damage he may have caused whether in the vicinity of the works or on the access route thereto to the satisfaction of the Employer/Engineer. The Contractor shall indemnify and keep indemnified the Employer against all claims arising from any such pollution, contamination, loss or damage.

2.8 Site Electricity Supply

The Contractor shall be required to provide an electricity supply to suit their requirements.

2.9 Site Water Supply

The Contractor shall be responsible for locating a suitable water supply and for providing and paying for all temporary plumbing and connection of the water supply to site. Where a suitable water supply is not available in the locality, the Contractor shall make arrangements for carrying and storing water in quantities as necessary for the Works. All costs incurred in this respect shall be borne by the Contractor. The Contractor is responsible for its sensible use and for the care and the maintenance of his pipework from the supply point.

2.10 The Coal Authority Permission

WA will obtain the consent of The Coal Authority for the intended works, however, the Contractor is required to advise them of any necessary amendments to the permission, once it is in place and shall comply with the agreed method statement and risk assessment. WA, on behalf of the Client, will submit the necessary reports and forms to the Coal Authority on completion of the works.

2.11 Existing Structures and Services

The Contractor shall take every reasonable precaution by way of written enquiries to appropriate Authorities to ensure that the position of any borehole is clear of all known existing underground structures, railways infrastructure, sewers, water and gas pipes, cables etc, and shall indemnify the Employer against any damage caused by his negligence in this respect. Copies of all written replies from appropriate Authorities which relate to the above shall be delivered to the Engineer prior to the commencement of site works. The supply of this information to the Engineer does not absolve the Contractor from their responsibilities under this clause.

2.12 Noise

The Contractor shall ensure that all practicable steps are taken to limit noise to a level compatible with the particular environment

2.13 Naked Lights

The following safety precautions shall apply when drilling.

- a) Naked lights shall not be permitted within 15 metres of any borehole.
- b) If the hole is to be cased, screw jointed pipes shall be used.
- c) The Contractor shall maintain on site apparatus for checking the presence of methane in the atmosphere and shall record any emissions of gas from boreholes.

2.14 Setting Out

The Contractor is responsible for setting out the treatment borehole locations. The Contractor will be responsible for ensuring that markers are maintained for the duration of the treatment works, to enable the accurate setting out of all boreholes.

The actual position and level of all boreholes must be captured to OS Grid and Datum and shared with The Coal Authority. This can be achieved by surveying certain points on a wider spaced grid and use existing survey data to determine levels for remainder of boreholes.

2.15 Ground Gas Monitoring

During drilling and grouting, it will be necessary to ensure that there is continuous gas monitoring at each borehole. Monitoring for methane, carbon monoxide, carbon dioxide, hydrogen sulphide and oxygen should be continuously undertaken and results routinely recorded. In the event that an alarm is triggered then the Contractor shall cease work and notify the Engineer accordingly and record results.

In the event that a completed borehole is to remain open overnight then a gas tight cap with valve will be screwed onto the casing. The borehole will be tested for gas the following morning and the levels recorded along with atmospheric conditions.

2.16 Control of Surface Water and Groundwater

The Contractor/Employer shall take all measures necessary to collect, control, and discharge groundwater and surface waters during the course of the works. The Contractor/Employer is responsible for organising all temporary discharge consents with the regulatory authorities during the course of the works.

The Contractor/Employer shall develop a surface water and groundwater control management strategy for the works and put measures in place to prevent any contamination from entering the watercourses present within the site due to surface water run-off.

The Contractor/Employer shall provide, operate and maintain all pumping plant and equipment to facilitate the discharge of surface water and groundwater from the works. The location and design of any temporary storage tanks / settlement ponds shall be agreed with the Engineer.

2.17 Fencing

The Contractor shall maintain existing fencing and provide, erect and maintain any additional temporary fencing required to prevent access by unauthorised persons and to maintain safe areas, as necessary to all site areas.

The Contractor is required to provide, erect and maintain until completion of the works temporary fences around any temporary feature, such as settlement ponds, mineshafts and excavations.

2.18 Access Roads and Haul Routes, Trafficking and Storage of Plant

Access to the sites will be from Lickers Lane. It will be the Contractors responsibility to ensure that the site access roads are maintained in a clean and safe state throughout the duration of the works.

The provision and maintenance of temporary access and haul routes within the site will be the responsibility of the Contractor. The Contractor shall agree the location of these routes with the Engineer and Principal Contractor.

Under no circumstances shall the Contractor traffic or store any items of plant, machinery or materials over completed areas of work, without the prior approval of the Engineer or the Principal Contractor.

2.19 Possession of the Site

Access to all areas of the site will be available from the date of the commencement of the works. It should be noted that other Contractors may be working on the site therefore liaison with the Principal Contractor and Principle Designer will be necessary to establish a safe access route and site traffic management plant.

2.20 Programme of Works

The Contractor shall submit a Programme of Works prior to the commencement of the Works to the Employer and Engineer. A revised Programme shall be submitted by the Contractor on a two weekly basis during the course of the work to reflect the progress of the works.

The Contractor shall ensure that all surveys, monitoring data, relevant manufacturers' certificates, materials tests, weigh bridge tickets and any additional information to be supplied to the Engineer are made available to the Engineer by the completion date for each relevant section of the works.

2.21 Contractors Site Offices, Services and Facilities for Employees, Stores, Workshops etc

The Contractor/Employer shall be responsible for the provision of all necessary services, including an adequate water supply, for the duration of the works.

The Contractor/Employer shall be responsible for maintaining the site and access roads in a state of cleanliness and shall include for all necessary road sweepers and/or wheel wash facilities.

2.22 Engineers Site Offices, Services and Facilities

The Contractor shall provide services and suitable facilities for the Engineer.

2.23 Japanese Knotweed

This has been identified on site. See Appendix E for details

3 DRILLING AND PRESSURE GROUTING PROCEDURE – GROUND STABILISATION WORKS

Abandoned mine workings are a potential hazard and the filling and surrounding ground may collapse at any time without warning. The extent of such collapses is unpredictable. Also, mine workings often contain accumulations of noxious or dangerous gases. Any works undertaken in the vicinity of abandoned mine workings must be planned and executed therefore to have proper regard to their instability and to safeguard employees of Contractors or any other person against the effects of gas.

Smoking or the use of naked flame shall not be permitted in the vicinity of any of the open boreholes and signs to this effect shall be displayed.

The Contractor shall make such tests as are necessary in the vicinity of treatment boreholes to detect the presence of noxious and/or explosive gases. Meters for their determination shall be kept at each working site.

Before the commencement of operations, the Contractor shall establish that an adequate supply of fill material is available immediately in the event of a collapse.

3.1 Boreholes

The boreholes shall be drilled by rotary or rotary percussive methods employing water flush techniques unless otherwise agreed by the Engineer. Drilling will then continue to a depth as instructed by the Engineer. If necessary, treatment should follow soon after the drilling of the boreholes.

The minimum diameter of borings shall be 50 mm. Where an exploratory hole is to be of such depth that boring to the full depth at the minimum diameter is likely to be impossible, or where obstructions are expected the Contractor shall begin boring at such greater diameter as they may choose. Should any boring prove abortive because of the Contractor's failure to begin with a sufficiently large diameter boring, the Contractor shall carry out any necessary re-drilling and provide and install any necessary casing at his own expense.

When each borehole has been drilled to rockhead, drilling shall not continue further until a metal casing of appropriate diameter has been securely placed into the rockhead to prevent the loss of flush and grout into the materials above rockhead during subsequent drilling and

grouting operations. Drilling shall subsequently proceed to the final depth of the borehole, which will be specified by the Engineer.

During the drilling the Contractor shall carry out regular checks and any necessary adjustments to the drilling rig to ensure that the drill is vertical or at the correct specified angle.

If a cavity is located within any of the boreholes the Engineer may require it to be infilled with pea gravel, in which case the Contractor will be required to insert casing of minimum 100mm diameter to the upper limit of the cavity to facilitate the placing of pea gravel into the cavity. The casing must then remain in place until the base of the cavity/workings is proved by the drilling.

Primary boreholes are to be drilled on a 4.2m square pattern (6.0m with centres), secondary boreholes drilled on a 3.0m square pattern; and Tertiary boreholes drilled on a 1.5m square pattern. Check boreholes may also be instructed by the Engineer.

3.2 Grouting

Immediately prior to grouting any borehole the Contractor shall check by plumbing or by other approved techniques that no collapse has occurred within the borehole after the drill rods have been withdrawn and that the hole is open to the depth specified by the Engineer.

Grouting shall commence via flexible tubing (tremie pipe) or a series of metal rods having a minimum internal diameter of 25 mm placed to the base of the borehole or at such other depth specified by the Engineer. Where it is realised that the tubing or rods cannot be placed to the specified depth, the tubing or rods must be withdrawn and the obstruction removed by re-drilling to the specified depth with casing, if necessary. The costs of any such extra drilling shall be borne by the Contractor, who shall indemnify the Employer against any such claims.

Grouting of the boreholes will be carried out via the tremie pipe, or metal rods, and will be injected under pressure until the whole of the borehole is pressurised up to the level of the casing. The casing will then be sealed and grout injected under pressure until the entire borehole is pressurised up to existing ground level. A triple outlet, T-connection pipe will be attached to the top of the drill string, via a coupling of approved design. The connection pipe will be of such design that a free outlet is available to check the flow of grout and that a pressure meter, calibrated up to at least 1,050 kN/m² (150 psi) but not exceeding 2100 kN/m²

(300 p.s.i.) must be permanently attached at the inlet during the grouting operations. In order to prevent any heave to the track, we have limited the grouting pressures to half of overburden pressure. Maximum grouting pressures depending on depth of borehole are detailed in Table 1.

Table 1: Grouting Pressures			
Depth (metres below ground level)	Max Pressure* (kN/m ²)	Depth (metres below ground level)	Max Pressure* (kN/m ²)
1	10	13	130
2	20	14	140
3	30	15	150
4	40	16	160
5	50	17	170
6	60	18	180
7	70	19	190
8	80	20	200
9	90	21	210
10	100	22	220
11	110	23	230
12	120	24	240
13	130	25	250

* The pressures are calculated as half overburden pressure in order to reduce the risk of heave.

Grout Mix

The grout mix to be injected into each borehole shall be at the discretion of the Engineer, but normally shall have an initial composition by weight of not less than 1 part cement to 9 parts pulverised fuel ash (P.F.A.) Should the acceptance of such grout exceed 5 tonnes the Contractor may be required to continue injection with a revised mix which may include sand of proportions as specified by the Engineer. The grain size and consistency of any materials used for grouting must be approved by the Engineer.

The minimum amount of water shall be added to the dry grout mix to render it of a workable consistency and of a slump nature approved by the Engineer. The consistency and slump nature of the mix must be approved by the Engineer.

Grout Materials

1. The cement shall consist of Ordinary Portland Cement complying with B.S EN 197-1:2011.
2. The sand shall comply with BS EN 12620:2002. It shall be of a size and grading approved by the Engineer, suitable for use with the Contractor's plant.

3. The pulverised fuel ash shall be obtained from a supplier approved by the Engineer and be of a type suitable for use as a constituent of grout.
4. The water used in mixing the grout shall be that supplied by the Local Water Authority or from some other source approved by the Engineer.
5. Pea gravel shall comply with BS EN 12620 2002. It shall be of a size and grading approved by the Engineer.

Storage of Materials

1. Cement shall be stored on a raised platform and shall be protected by a waterproof covering.
2. Pulverised Fuel Ash, sand and pea gravel shall be kept free from contact with deleterious matter. All materials shall be stored in stock piles adequately separated from each other.

Grouting Equipment and Pressure

The injection equipment shall be capable of operating at pressures of 1050 kN/m² (150 p.s.i.). The operating pressures shall be varied at the discretion of the Engineer. Grout shall be mixed in approved plant and continuously agitated, until injected into the boreholes by a double acting long stroke reciprocating pump or other approved pump. The Contractor must specify in writing the method of controlling, metering and pumping the materials to be used.

Grouting Procedure

1. The specified grout mix shall be injected under the aforementioned conditions until either grout overflow occurs at the surface or the specified pressure is recorded on the pressure meter attached to the T-connection pipe. When this pressure is reached the outlet tap shall be temporarily opened to ensure that pressure has not been incurred by line blockage.
2. If during the operation described above grout overflows at the surface (via the temporary casing), at a similar rate to that being injected, the flexible tube or metal rods shall be withdrawn completely, and the borehole pressurised as described in para (5).
3. If alternatively, the stipulated pressure is reached on the pressure gauge attached to the T-connection pipe, and this is not caused by line blockage and no further materials can be injected at this pressure, the injection pipe/tube shall be partially withdrawn until the pressure falls and grout injection shall be recommenced. If the stipulated pressure is again realised this procedure of gradual withdrawal of the grout pipe/tube is to be repeated (hereafter referred to as stage grouting) until grout returns to the surface via the casing. Only when grout appears at the surface in similar quantities to

that being injected shall the grout pipe/tube be completely withdrawn from the borehole and the pressurisation process specified in para (5) carried out.

4. Should it become apparent that any grout injection pipe/tube has become blocked (indicated by a constant back pressure on the pressure gauge attached to the T-connection pipe, and zero flow of grout) the grout injection pipe/tube shall be removed and only replaced when the blockage has been cleared. The costs attached to the removal and/or replacement of any such grout pipes/tubes shall be borne by the Contractor. No claims shall be entertained for any equipment grouted into the boreholes and the Contractor is to indemnify the Employer against any such claims.
5. Immediately the grout pipes/tubes are withdrawn the T-connection shall be attached to the top of the metal casing originally inserted into the borehole to rockhead and further grout shall be injected until the specified pressure is recorded on the pressure meter attached to the T-connection pipe/tube. When this second pressure is reached the outlet pipe shall again be temporarily opened to ensure line blockage has not occurred. When the specified pressure has been maintained for a period to be specified by the Engineer and the Engineer is satisfied that no further grout can be injected at that pressure, the T - connection pipe shall be removed and the metal casing immediately withdrawn. If on disconnecting the T - connection pipe, an appreciable back flow of grout occurs, a cap shall be screwed onto the casing until sufficient setting time has elapsed for the grout flow to cease and yet allow the casing to be withdrawn.

Abandoned Casing

The Contractor shall make every attempt to recover all casing used in the drilling operations. However, if this becomes impractical then any abandoned casings must be filled with P.F.A./cement grout and cut at least 2 metres below ground level. Should it not be possible to cut abandoned casing at least 2 metres below ground level then it should either be driven in or cut as deep as possible below existing ground level. The positions of such abandoned casings must be recorded and the information relating to them passed to the Engineer.

Drilling and Grouting Sequence

The boreholes shall be drilled in a sequence and to depths/lengths and angles specified by the Engineer. Grout will be injected into the boreholes in an order and with grout mixes as specified by the Engineer. Other than the possibility of the Engineer requiring a series of initial or final random test holes the majority of the boreholes will be drilled and grouted in a systematic manner. However, if deemed necessary by the Engineer the Contractor may be required to return to specific areas intermittently to drill secondary injection boreholes or to continue grouting primary or secondary boreholes. No claim will be entertained for any

inconvenience to the Contractor by such moving of drilling and/or grouting plant and it shall be necessary to indemnify the Employer against any such claims.

Boreholes to be Grouted

Unless otherwise directed by the Engineer the Contractor shall attempt to inject grout into each borehole irrespective of whether or not a cavity or old mine working is suspected. Care shall be taken to ensure that the grout is not injected into pipes, drains, cable ducts, etc.

Grout Properties and Testing

- Water to cement and PFA ratios shall generally be in the range 0.40 to 0.45 (including the moisture in the aggregates), the mixes envisaged should produce pumpable grout with lucidity readings of 300 to 600 mm when measured in a flow meter of the 'Colcrete' type. One flow meter test per day should be undertaken.
- Bleed capacity shall be measured in a clear plastic or glass graduated cylinder which has an internal diameter not less than 50 mm, with a volume of 1000 ml. After placing the grout, a cover shall be placed over the cylinder to avoid evaporation. Bleed capacity shall be read after 2 hours and one bleed test should be undertaken per day. High bleed grouts shall be avoided, and the bleed capacity shall be limited to 5% maximum.
- For strength testing, the Contractor shall make 3 cubes per week of an agreed size and taken from the grouting, at surface position. The cubes shall be marked, handled, stored and tested in accordance with BS 1881-122:2011 to confirm the projected 28 day strengths of the grout. The mixes shall produce cubes with crushing strengths of not less than 1.0 N/mm² (1 MPa) at 28 days.
- Grout viscosity at the time of injection shall be such as to achieve full penetration of all voids encountered, subject to achieving a satisfactory gel with minimum bleeding and shrinkage within three hours of injection.

3.3 Recovery of Materials

The Contractor is expected to recover from each borehole, metal rods, tremie pipes, connections and casings used in the operations, and it will then be necessary for the Contractor to indemnify the Employer against any claims for loss of such items.

3.4 Records

The Contractor shall keep an accurate and up-to-date record of the works as they proceed. This record shall be available at the site of the work at all times during working hours. The

following information shall be included on the records, where applicable.

The Daily Drilling Record shall record the following information:

- Job name and location.
- Borehole reference number.
- Date.
- Contractor's name.
- Plant in use, crew members, and hours worked.
- Method of drilling and flushing medium.
- Type of bit used.
- Diameter and depths of all casing used.
- Depth and diameter of borehole at beginning and end of each working day or shift.
- Depth to each change of stratum.
- Description of each stratum.
- Depths at which groundwater is encountered.
- Details of any loose ground or voids penetrated.
- Details of any loss of flushing medium.
- Details of time spent in overcoming obstructions.
- Details of services or drains located.
- Details of any emission of gas, water, foul air, etc.
- Details of any settlement or ground heave adjacent to boreholes.
- Daily and cumulative quantities of drilling.

The Daily Grouting Record shall record the following information:

- Job name and location.
- Borehole reference number.
- Date.
- Contractor's name.
- Plant in use, crew members and hours worked.
- Details of plumbing of the depth of borehole.
- Details of quantity of grout constituents injected into each borehole at each depth and location.
- Details of the quantity of grout injected into a shaft at each depth.
- Total daily and cumulative quantities of each constituent of grout mixes.
- Details of the grouting pressures recorded, and corresponding depths.

- Details of casing abandoned in boreholes with appropriate reference numbers.
- Details of grouting materials delivered to site on a daily and cumulative basis.
- Grout cubes taken.
- Results of bleed and flow tests.

Particular attention shall be paid to recording the depths of cavities and to recording the loss of water or air during drilling.

The daily review of all the findings / results of drilling and grouting works would be undertaken by the Consultant Site supervisor and will allow for dynamic changes of the scope should it be necessary. Weekly Progress reports will be prepared by the Engineer and any changes to the scope will be provided.

4 SPECIAL REQUIREMENTS WHEN WORKING IN THE VICINITY OF ABANDONED MINE SHAFTS

- a) Abandoned mine shafts are a potential hazard and the filling and surrounding ground may collapse at any time without warning. The extent of such collapses is unpredictable. Also mine shafts often contain accumulations of noxious or dangerous gases. Any works undertaken in the vicinity of abandoned mine shafts must be planned and executed therefore to have proper regard to their instability and also to safeguard employees of Contractors or any other person against the effects of gas.
- b) During site clearance and the removal of overburden necessary to locate shafts or other mine entries which are not visible at the surface all plant and staff shall be kept as far away as possible from the immediate zone of influence and working area.
- c) All persons should, where possible, remain outside the immediate zone of influence of the shaft or mine entry. All personnel working over and in the vicinity of shafts or other mine entries shall wear approved safety harnesses anchored to suitable safe points.
- d) Smoking or the use of naked flame shall not be permitted in the vicinity of known or suspected shafts or other mine entries and signs to this effect shall be displayed.
- e) The Contractor shall make such tests as are necessary in the vicinity of shafts and other mine entries to detect the presence of noxious and/or explosive gases. Meters for their determination shall be kept at each working site.
- f) Before the commencement of operations the Contractor shall establish that an adequate supply of fill material is available immediately in the event of a collapse.
- g) At the Project Manager/Supervisor's instruction, the area containing any of the shafts shall be fenced. The fencing shall consist of steel herras fencing. The extent of the fencing shall include the boundaries of the shaft and a distance of 4 metres around it. Notices shall be placed around the fenced area

warning of the presence of a mine shaft. If at any time the shaft is to be left unattended, the fencing shall be secured to prevent the access of unauthorised persons to the shaft location.

5 EXCAVATION PROCEDURE TO LOCATE MINE SHAFTS

5.1 Machines or Personnel Falling into the Void

Machines or personnel falling in the void caused by either a sudden collapse of materials above rock head into the shaft can have potentially severe consequences. Any uncontrolled or unexpected machine movement has the potential to inflict severe injuries to operators and others in the area. A significant risk would arise when a machine dislodges or destroys a shaft cap or other covering material, beneath which is an unfilled shaft or void.

5.2 Safe System of Work

The following should be adhered to:

- Shaft searching must be carried out under the supervision of competent staff who will ensure unauthorised persons are kept at a safe distance from the operations;
- The best plot position of the shaft should be pegged out together with control pegs to allow re-establishment if required.
- Proposed search area to be delineated;
- Always ensure that the excavator is safely positioned on stable ground that has been investigated and work towards the best plot position;
- Use excavators which have low ground loading, maximum stability and long-reach characteristics;
- Initial excavations within the search area shall be carried out with care and at the maximum reach of the excavator;
- Never stand on, or close to, the suspected or established position of a shaft or void unless
 - It is obviously safe;
 - A safe distance has been assessed; and
 - Unless wearing a safety harness attached to an object of unquestionable strength which will prevent the wearer from falling.

6 DRILLING AND PRESSURE GROUTING PROCEDURE FOR ABANDONED MINE SHAFTS

6.1 Boreholes

The boreholes shall be drilled by rotary methods employing air flush techniques. Initially, a vertical borehole of not less than 72mm diameter shall be drilled in the centre of the shaft. Drilling shall be carried out to a depth of 5m into solid strata below the base of the shaft. Where infilling of cavities with pea gravel is required, a casing of minimum 100mm diameter shall be provided to the upper limit of the cavity, which shall remain in place until the base of the shaft is proved.

6.2 Grouting Procedure

Where instructed by the Employer, cavities within the shaft shall be infilled with pea gravel before commencement of grouting.

Grouting of the shaft shall be carried out via the drill string. The minimum internal diameter of the drill string shall be not less than 35mm. A triple outlet, T-connection pipe shall be attached to the top of the drill string. A free outlet shall be provided to check the flow of grout and a pressure meter, calibrated up to not less than 1,725 kN/m² (250 p.s.i.) shall permanently attached at the inlet location.

Injection of grout shall commence with the drill string at the base of the borehole. Grout shall be injected until the grouting pressure instructed by the Employer has been recorded and maintained, or until grout overflow at the surface occurs. The drill string shall then be withdrawn in increments of not more than 3 metres, and the above injection procedure shall be repeated for each increment, until the ground surface is reached.

6.3 Grout Mix

The grout mix shall consist of 9 parts pulverised fuel ash to 1 part cement by weight, and where so instructed by the Employer, may also include sand. The minimum quantity of water shall be used so as to render the grout workable. The mix proportions and consistency shall be agreed with the Employer. The mixing and pumping plant used shall be such that constant agitation of the grout is possible and the Contractor must specify in writing the method of controlling, metering and pumping the amount of material to be used, such method to be approved by the Employer before commencement of grouting operations.

6.4 Drilling Platform

The Contractor's particular attention is drawn to the possibility of the collapse of fill material into the shaft, or of the shaft itself whilst drilling and/or grouting operation are being carried out. During the drilling and treatment of the shaft, the drilling equipment shall be supported on and secured to a suitable platform such that in the event of a collapse the drilling rig remains supported over the shaft. When assessing the platform requirements, the Contractor shall consider whether the platform itself could become dislodged by a collapse and in such a case shall make provision for the platform to be secured to suitable anchorages so as to prevent such an occurrence. Details of the platform shall be submitted to the Employer for approval before commencement of drilling operations. All personnel involved in the drilling and treatment of a shaft shall wear appropriate safety harnesses secured at a safe distance from the shaft.

6.5 Records

The Contractor shall provide daily drilling records and daily grouting records, in a form approved by the Employer.

The Daily Drilling Record shall be as required for boreholes drilled to locate shafts, with the addition of the following information:

- a) Details of any settlement or ground heave adjacent to the boreholes;
- b) Cumulative quantities of drilling.

The Daily Grouting Record shall contain the following information:

- a) Job name and Location.
- b) Borehole reference number.
- c) Date.
- d) Contractor's name.
- e) Plant in use, crew members and hours worked.
- f) Details of plumbing of the depth of the borehole.
- g) Details and quantity of grout constituents injected into each borehole;
- h) Daily cumulative quantities of each grout constituent;
- i) Details of the grout pressures recorded, and corresponding depths;
- j) Details of casing abandoned in boreholes with borehole reference numbers;
- k) Details of grouting materials delivered to site on a daily and cumulative basis.

Particular attention shall also be paid to recording the depths of cavities and to recording loss of flush during drilling.

7 CONSTRUCTION OF SHAFT CAPS

The position and size of the shaft cap and requirements for structural concrete and reinforcement shall be as shown on the Drawings.

The Contractor shall keep a record of the work as it proceeds, which shall include the following information, as applicable:

- a) Job, name and location.
- b) Date.
- c) Contractor's name.
- d) Type of plant and names of operators.
- e) Details of plumbing indicating levels of shaft fill.
- f) Details of gas testing indicating times of readings.
- g) Daily quantities of material excavated and removed.
- h) Details of time spent overcoming obstructions.
- i) Details of any services or drains located.
- j) Details of any visible settlement of the shaft filling.
- k) Details of any pumping carried out.
- l) Details of any shoring installed.

The daily review of all the findings / results of the shaft searching works would be undertaken by the Consultant Site supervisor and will allow for dynamic changes of the scope should it be necessary. Weekly Progress reports will be prepared by the Engineer and any changes to the scope will be provided.

8 ENVIRONMENTAL PROTECTION

8.1 General

The Contractor shall take all practical measures to minimise any environmental impacts and prevent nuisance in the form of noise, dust and water from occurring as a result of the Works. The Contractor shall indemnify and keep indemnified the Employer against all claims arising from any such pollution, contamination, loss or damage. The Contractor shall have due regard to all legislation relating to environmental matters. The following environmental protection measures and those included in General Requirements of the Specification are in addition to any obligations imposed on the Contractor by statute. Where discrepancies arise between this specification and the agreed working plan of the Principal Contractor, the agreed working plan is to take precedence.

8.2 Noise and Vibration

Noise Control Measures

The Contractor shall employ the best practical means to minimise noise and vibration produced by his operations and shall organise his operations with regard to the positioning of plant and movement of vehicles so as to minimise noise at adjacent properties.

Site generated noise levels measured as 1 hour LAeq values (free field) at any adjacent noise sensitive building shall not exceed:

Weekdays (Mondays - Fridays)	TBC.
Weekends and Bank Holidays	TBC.
Night Time	TBC.

(free field means at least 3.5 metres from any reflecting surface other than the ground (BS4142:1997)).

8.3 Dust

Control of Dust

The Contractor shall employ the best practicable means to minimise dust arising from his operations and to prevent damage, loss, injury or nuisance caused by dust in the execution of the Works.

Without prejudice to the generality of the Contractor's obligations under the preceding paragraph, the Contractor shall comply with the following requirements.

8.4 Vehicles and Highways

- The Contractor shall ensure that all highways, tracks and accesses used for the Works or for the transport of plant, labour and materials are kept free from mud, rubble, dust or spillages of any sort, and are not damaged in any way.
- In the event of highways, tracks and accesses becoming thus dirtied or damaged, the Contractor shall, at his own expense, take all necessary steps to immediately clean and/or repair them. Regular sweeping of metalled roads shall be required at the end of each working day and such other times as may be necessary to keep them clean. The Contractor must make provision for the supply, maintenance and operation of suitable plant for such sweeping.

The Contractor shall ensure that the wheels or tracks of any vehicles or other plant leaving the Site, or travelling between parts of the Site, are thoroughly cleaned so that no dirt is deposited on the highway. Tracked vehicles will not be allowed to traffic directly on public highways in this instance.

For any boreholes located within the highway and/ or footpath, the Contractor should reinstate to an agreed standard with the Local Authority. The Contractor should provide details of this to the designer.

The Contractor shall ensure that all lorries entering or leaving the site are properly sheeted except where the nature of the material carried cannot give rise to dust release.

8.5 Drilling flush

The drilling fluid shall be clean water.

8.6 Burning

Control Measures

The Contractor shall take all necessary measures to prevent loss, damage, injury or nuisance caused by smoke in the execution of the Works.

No burning of surplus materials shall take place on Site.

8.7 Water Pollution

Pollution Control Measures

The Contractor shall take all necessary measures to secure the protection of all watercourses, including water in underground strata, against silting, erosion and/or pollution of the water. Such protection shall not adversely affect the quality of, appearance thereof or cause injury or death to animal, aquatic or plant life and/or damage to property and land.

Without prejudice to the generality of the Contractor's obligations under the preceding paragraph, the Contractor shall comply with the following requirements:

8.8 Discharges

No potentially polluting materials shall be stored near a watercourse or in such a situation that these can fall or be carried into a watercourse. Any drainage arising from the storage of such materials shall not enter a watercourse.

Direct discharges of any water during the project shall be discussed with the Environment Agency (EA), and the appropriate consent applications and discharge fees paid if required.

Tools, equipment and plant shall not be washed in watercourses or used water allowed to drain to any surface drainage system.

Silted or discoloured water from the Works and/or the cleaning of vehicles shall be treated or settled in a lagoon prior to disposal off site or, by agreement with the Local Authority, disposal to drainage.

8.9 Fuels and Oils

All fuel or lubricating oil stored in bulk on the Site shall be located as far as reasonably possible from any watercourse and such stores shall be contained by an effective bund.

The bund shall be capable of containing 110% of all the full contents of the store and all such stores shall be kept locked or otherwise secured when not in use. All fuel and oil deliveries are to be supervised by a competent person. Plant nappies should be used during all refuelling operations.

8.10 Abstraction

No unauthorised abstraction and/or drawing of water for any reason from any watercourse (surface or underground) requiring a licence shall be undertaken. Existing abstraction

arrangements whether licensed or not shall be protected together with any private domestic abstractions exempt from such licensing requirements but licensed with the Local Authority.

8.11 Contaminated Sites

Drill flushing water arising from the construction of boreholes shall not be allowed to directly discharge into the drainage system without prior consent from the appropriate authorities.

Water purged during sampling shall not be allowed to directly enter watercourses.

9 HEALTH & SAFETY

The Construction (Design and Management) Regulations 2015 are applicable to this Contract.

No work shall commence on the Site until such time as the Contractor has provided to the Engineer an adequate, relevant and dated written Safety Policy including the organisation and management arrangements for health and safety in the Contractor's organisation and in relation to the site.

Furthermore, before commencing any element of the work the Contractor shall demonstrate that they have carried out an appropriate risk assessment as required by the management of Health and Safety at Work Regulations 1999. The risk assessment will relate to the conditions and features of the site to be worked on and the techniques to be used. This risk assessment must include a description of the supervisory arrangement for the works and the experience/suitability of such supervision. If appropriate this risk assessment shall include an appropriate COSHH assessment for all potentially hazardous substances used in the works or anticipated on site.

If required by the Engineer, any risk assessments and/or COSHH statements for any element of the work shall be submitted to the Engineer for approval prior to that element of the works being commenced on site.

The provisions of the above clauses shall also apply to any sub-contractors. The Contractor shall provide to the Engineer each sub-contractor's Safety Policy and other documentation as required.

Principal Contractors will be required to keep records of all site related information which could be relevant to or affect the health and safety of any person who may be affected by the site or the works should any future site work take place. Accordingly, the Contractor is required to furnish the Principal Contractor with any such relevant information upon completion of the works.

During the drilling and grouting of mine workings the Contractor shall ensure that continuous gas monitoring is undertaken at each borehole location. Monitoring shall encompass methane, carbon monoxide, carbon dioxide and oxygen, as a minimum requirement. In the event that any gas alarm is triggered, or unusually elevated concentrations are detected, the Contractor shall immediately cease work and notify the Engineer.

In the event that completed boreholes are to remain open overnight, then a screw threaded gas tight cap, with valve assembly, shall be fitted to the casing. The borehole shall be tested for gas at the start of the next shift, with concentrations recorded along with atmospheric pressure conditions. Concentrations shall be expressed as either '% by volume' or 'ppm'. Atmospheric pressure shall be expressed in millibars (mb).

Appendix C

Drilling and Grouting Records

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Whiston.	DAY / DATE	Tue 14/6/22	DRILLER	L. Howdorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A21	CL	3.5	4.0	fill				
	3.5	15.8		Mudstone				
	15.8	20.1		Weak drilling, lost flush				
	20.1	23.0		firm drilling				
A19	CL	3.0	4.0	fill				
	3.0	19.7		Mudstone				
	19.7	20.7		coal				
	20.7	22.0		Mudstone				
A17	CL	3.0	4.0	fill				
	3.0	20.6		Mudstone				
	20.6	21.9		coal				
	21.9	23.0		Mudstone				
A15	CL	3.0	4.0	fill				
	3.0	15.8		Mudstone				
	15.8	20.6		coal				
	20.6	22.0		Mudstone				
C15	CL	2.5	3.0	fill				
	2.5	15.0		Mudstone				
	15.0	21.1		Weak drilling, Poor coal return				
	21.1	22.0		Mudstone				
C17	CL	3.0	4.0	fill				
	3.0	19.5		Mudstone				
	19.5	20.9		coal				
	20.9	22.0		Mudstone				

[illegible][illegible]

SITE / JOB No.	Lickers Lane, Whiston	DAY / DATE	Tue 14 / 6 / 22	DRILLER	L. Howdorne
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[illegible]

REMARKS:	GAS MONITORING		
	CH_4 :	% LEL	H_2S : PPM
	CO :	PPM	O_2 : %
	NOTES:		
	R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	lickers lane, whinson	DAY / DATE	Tue 14/6/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.9 %
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	windy harbour rd Site A	DAY / DATE	wed 15/6/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G5	0	3.8	4-	fill + clay				
	3.8	24.2		mudstone				
	24.2	26-		coal				
	26-	27-		mudstone				
G7	6.6	3.5	4-	fill + clay				
	3.5	23-		mudstone				
	23-	24.5		coal				
	24.5	26-		mudstone				
G9	6.6	3.5	4-	fill + clay				
	3.5	22.3		mudstone				
	22.3	24.1		weak drining, lost flush				
	24.1	26-		firm				
G11	0	3-	4-	fill + clay				
	3-	22-		mudstone				
	22-	23.5		coal				
	23.5	25-		mudstone				
G13	0	3.5	4-	fill + clay				
	3.5	22-		mudstone				
	22-	23.2		coal				
	23.2	25-		mudstone				
G15	0	3.3	4-	fill + clay				
	3.3	21.6		mudstone				
	21.6	22.9		coal				
	22.9	24-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Windy harbour rd Site A	DAY / DATE	Wed 15/6/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G 17	0	3.3	4-	Fin. + clay				
	3.3	20.3		Mudstone				
	20.3	22-		Coal				
	22-	23-		Mudstone				
G 19	0	3.3	4-	Fin. + clay				
	3.3	19.6		Mudstone				
	19.6	21.3		Coal				
	21.3	23-		Mudstone				
G 21	0	3.3	4-	Fin. + clay				
	3.3	19-		Mudstone				
	19-	20.4		Coal				
	20.4	22-		Mudstone				
H 20	0	3.3	4-	Fin. + clay				
	3.3	19.2		Mudstone				
	19.2	20.7		Coal				
	20.7	22-		Mudstone				
H 18	0	3.3	4-	Fin. + clay				
	3.3	19.3		Mudstone				
	19.3	20.9		Coal				
	20.9	22-		Mudstone				
H 16	0	3.3	4-	Fin. + clay				
	3.3	19.3		Mudstone				
	19.3	20.9		Coal				
	20.9	22-		Mudstone				

REMARKS:	GAS MONITORING			
	CH_4 :	☐	% LEL	H_2S : ☐ PPM
	CO :	☐	PPM	O_2 : 20.9 %
	NOTES:			
	 R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Windy Arbor Road Site A	DAY / DATE	Wed 15/6/22	DRILLER	L. Hawthorn
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Windy Arbor Road: Site A	DAY / DATE	Wed 15/6/22	DRILLER	L. Howard
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B15	CL	3.0	4.0	fill + Clay				
	3.0	10.8		Mudstone				
	20.8	22.4		coal				
	22.4	24.0		Mudstone				
B20	CL	3.0	4.0	fill + Clay				
	3.0	19.9		Mudstone				
	19.9	21.7		coal				
	21.7	23.0		Mudstone				
D14	CL	3.5	4.0	fill + Clay				
	3.5	21.0		Mudstone				
	21.0	22.3		coal				
	22.3	24.0		Mudstone				
D16	CL	3.0	4.0	fill + Clay				
	3.0	19.4		Mudstone				
	19.4	21.5		Weak drilling, lost flush				
	21.5	23.0		firm drilling				
D18	CL	3.0	4.0	fill + Clay				
	3.0	19.3		Mudstone				
	19.3	20.9		coal + Clay				
	20.9	22.0		Mudstone				
D20	CL	3.5	4.0	fill + Clay				
	3.5	21.3		Mudstone				
	21.3	22.5		coal				
	22.5	24.0		Mudstone				

[illegible][illegible]

SITE / JOB No.	Windy Arbour site A rd	DAY / DATE	16/6/22 ^{Thu}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H 14	U	33	4-	fill + clay				
	33	21-		Mudstone				
	21-	22.6		Coal				
	22.6	24-		Mudstone				
H 12	U	35	4-	fill + clay				
	35	21.7		Mudstone				
	21.7	23.3		Coal				
	23.3	25-		Mudstone				
H 10	U	35	4-	fill + clay				
	35	22.2		Mudstone				
	22.2	23.6		Coal				
	23.6	25-		Mudstone				
H 8	U	35	4-	fill + clay				
	35	22.7		Mudstone				
	22.7	24.4		Coal				
	24.4	26-		Mudstone				
H 6	U	38	4-	fill + clay				
	38	23-		Mudstone				
	23-	24.5		Coal				
	24.5	26-		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.9 %
	NOTES:		
helping with grouting. pulling casing			
..... R.E./SUPERVISOR			

[illegible]

SITE / JOB No.	Windy Arizer Road Site A	DAY / DATE	Thurs. 16/6/22	DRILLER	L. Henderson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F18	CL	3.0	4.0	fill				
	3.0	19.4		Mudstone				
	19.4	20.8		coal				
	20.8	22.0		Mudstone				
F16	CL	3.5	4.0	fill				
	3.5	20.7		Mudstone				
	20.7	21.7		coal				
	21.7	23.0		Mudstone				
F14	CL	3.5	4.0	fill				
	3.5	20.9		Mudstone				
	20.9	21.9		coal				
	21.9	23.0		Mudstone				
I21	CL	3.0	4.0	fill				
	3.0	27.6		Mudstone				
	27.6	29.3		coal				
	29.3	30.0		Mudstone				

(Drilled from 3m offset)
at 80

REMARKS:	GAS MONITORING	
Pulling Casing and ass-seg grout.	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Windy arbour st Site A	DAY / DATE	17/6/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H4	0	3.7	4-	fill + clay				
	3.7	24.5		mudstone				
	24.5	26.2		Coal				
	26.2	28-		mudstone				
I5	0	3.7	4-	fill + clay				
	3.7	24.2		mudstone				
	24.2	25.7		Coal				
	25.7	27-		mudstone				
I7	0	3.3	4-	fill + clay				
	3.3	23-		mudstone				
	23-	24.2		Coal				
	24.2	26-		mudstone				
K7	0	3.3	4-	fill + clay				
	3.3	21-		mudstone				
	21-	22.4		Coal				
	22.4	24-		mudstone				
J6	0	3.3	4-	fill + clay				
	3.3	22-		mudstone				
	22.2	23.6		Coal				
	23.6	25-		mudstone				
I9	0	3.3	4-	fill + clay				
	3.3	21.5		mudstone				
	21.5	22.8		Coal				
	22.8	24-		mudstone				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	windy harbour st Site A	DAY / DATE	Fri 17/6/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Windy Arbor Road Site A	DAY / DATE	Fr. 17/6/22	DRILLER	L. Howdorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B15	CL	3.0	4.0	fill + Clay				
	3.0	18.2		Mudstone				
	18.2	21.3		Weak drilling, Poor coal returns				
	21.3	23.0		Mudstone				
C14	CL	3.0	4.0	fill + Clay				
	3.0	20.6		Mudstone				
	20.6	22.0		coal				
	22.0	23.0		Mudstone				
C16	CL	3.0	4.0	fill + Clay				
	3.0	17.9		Mudstone				
	17.9	20.4		Weak drilling, Poor coal returns				
	20.4	22.0		Mudstone				
D15	CL	3.0	4.0	fill + Clay				
	3.0	19.9		Mudstone				
	19.9	21.7		coal				
	21.7	23.0		Mudstone				
D17	CL	3.0	4.0	fill + Clay				
	3.0	18.6		Mudstone				
	18.6	21.0		coal				
	21.0	22.0		Mudstone				
E16	CL	3.5	4.0	fill + Clay				
	3.5	19.8		Mudstone				
	19.8	21.5		coal				
	21.5	23.0		Mudstone				

REMARKS:	GAS MONITORING			
	$\text{CH}_4 :$	% LEL	$\text{H}_2\text{S} :$	PPM
	$\text{CO} :$	PPM	$\text{O}_2 :$	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

SITE / JOB No.	Windy Arbor Road, Site A	DAY / DATE	Fr. 17/6/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K19	a	3-0	4-0	fill + Clay				
	3-0	28-0		Mudstone				
	28-0	29-5		coal				
	29-5	31-0		Mudstone				
K19	a	3-0	4-0	fill + Clay	{ Drilled from 2m offset at 5° }			
	3-0	30-0		Mudstone				

REMARKS:	GAS MONITORING			
	CH ₄ : 0	% LEL	H ₂ S : 0	PPM
	CO : 0	PPM	O ₂ : 20.9	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	windy arbour st Site A	DAY / DATE	21/6/22 ^{mon}	DRILLER	D. Hobbs
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I 11	0	3.3	4-	Fill + clay				
	3.3	21.2		mudstone				
	21.2	22.3		Coal				
	22.3	24-		Mudstone				
				6mtr offset 15°				
K 11	0	3.4	4-	Fill + clay				
	3.4	20.7		mudstone				
	20.7	21.9		Coal				
	21.9	23-		Mudstone				
				12mtr offset 30°				
M 11	0	3.7	4-	Fill + clay				
	3.7	23.3		mudstone				
	23.3	24.7		Coal				
	24.7	26-		Mudstone				
				19.9 - 21.5				
I 13	0	3.3	4-	Fill + clay				
	3.3	21.5		mudstone				
	21.5	22.7		Coal				
	22.7	24-		Mudstone				
				3 mtr offset 8°				
K 13	0	3.6	4-	Fill + clay				
	3.6	21.8		mudstone				
	21.8	23.1		Coal				
	23.1	25-		Mudstone				
				21.6 - 22.9				
M 13	0	3.8	4-	Fill + clay				
	3.8	22.8		mudstone				
	22.8	24.1		Coal				
	24.1	26-		Mudstone				
				9mtr offset 23°				
				20.9 - 22.4				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	Windy harbour st Site A	DAY / DATE	21/6/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I 15	0	3.3	4-	Fill + clay				
	3.3	20-		Mudstone				
	20-	21-		Coal				
	21-	24-		Mudstone				
				6 mtr offset 17°				
K 15	0	3.4	4-	Fill + clay				
	3.4	19.7		Mudstone				
	19.7	20.8		Coal				
	20.8	22-		Mudstone				
				18.8 - 19.9				
				12 mtr offset 31°				
M 15	0	3.7	4-	Fill + clay				
	3.7	20.4		Mudstone				
	20.4	21.6		Coal				
	21.6	23-		Mudstone				
				16.5 - 18				
I 17	0	3.3	4-	Fill + clay				
	3.3	18-		Mudstone				
	18-	18.7		Coal				
	18.7	20-		Mudstone				
				6 mtr offset 18°				
K 17	0	3.5	4-	Fill + clay				
	3.5	18.3		Mudstone				
	18.3	19.1		Coal				
	19.1	21-		Mudstone				
				17.3 - 18.1				

REMARKS:	GAS MONITORING			
	CH_4 :	0 % LEL	H_2S :	0 PPM
	CO :	0 PPM	O_2 :	20.9 %
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

[illegible]

[illegible]

SITE / JOB No.	windy harbour rd site A	DAY / DATE	Wed 22/6/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L	0	3.6	4-	Fill + clay				
10	3.6	22-		mudstone				
	22-	23.2		Coal				
	23.2	25-		Mudstone				
				9 mtr offset 23°				
J8	0	3.3	4-	Fill + clay				
	3.3	22.8		mudstone				
	22.8	24.1		Coal				
	24.1	26-		mudstone				
				3 mtr offset 7°				
				22.6 - 23.9				
F9	0	3.4	4-	Fill + clay				
	3.4	22.6		mudstone				
	22.6	24-		Coal				
	24-	25-		mudstone				
A	0	3.2	4-	Fill + clay				
14	3.2	19.6		mudstone				
	19.6	21.6		Coal				
	21.6	23-		Mudstone				
B	0	3-	4-	Fill + clay				
13	3-	19.8		mudstone				
	19.8	21.7		Coal				
	21.7	23-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	windy harbour rd site A	DAY / DATE	wed 22/6/22	DRILLER	D. Holdnall
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REMARKS:	GAS MONITORING		DELIVERY	TICKET No.	QUANTITY
# pulling casing	CH ₄ :	0 % LEL	H ₂ S :	0	PPM
	CO :	0 PPM	O ₂ :	20.9	%
	NOTES:				
		 R.E./SUPERVISOR			

DAILY SITE RECORD

SITE / JOB No.	windy harbour rd site 'A'	DAY / DATE	Thu 23/6/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I3	0	3.8	4-	Fill + clay				
	3.8	24.7		Mudstone				
	24.7	26.4		Coal				
	26.4	28-		mudstone				
K3	0	3.7	4-	Fill + clay				
	3.7	23-		mudstone				
	23-	24-		Coal				
	24-	25-		Mudstone				
K5	0	3.7	4-	Fill + clay				
	3.7	22.1		mudstone				
	22.1	23.2		Coal				
	23.2	25-		Mudstone				
M3	0	3.8	4-	Fill + clay				
	3.8	21.8		mudstone				
	21.8	23.1		Coal				
	23.1	25-		mudstone				
M5	0	3.7	4-	Fill + clay				
	3.7	21.2		mudstone				
	21.2	22.5		Coal				
	22.5	24-		mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES:	

..... R.E./SUPERVISOR

[illegible]

[illegible][illegible]

BOREHOLE No.
ORIENTATION[illegible]

WATER LEVELS	TIME	FLUSHING MEDIUM				PLANT IN USE
START OF SHIFT		AIR	WATER	☒ FOAM	OTHER	
MID-SHIFT		LOSS OF FLUSH / EXTENT				START TIME
END OF SHIFT						BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING				FINISH TIME
FIRST STRUCK		BIT TYPE <i>Button</i>				WEATHER
SEEPAGES		BIT SIZE <i>70 mm</i>				GAS MONITORING
DRYING OUT		CORE DRILLING				CH ₄ : <i>0</i> % LEL H ₂ S : <i>0</i> PPM
		BIT TYPE				CO : <i>0</i> PPM O ₂ : <i>20.9</i> %
CASING SIZE - DEPTH	<i>101 mm - 2 mtr</i>	BIT SIZE				NOTES:
		BACKFILL				REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS				
		INSTRUMENTATION				R.E.

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Tue 28/6/22	DRILLER	D. Hollnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I-3	0	3.7	4-	Fill + clay				
	3.7	4-		Coal				
	4-	10-		Mudstone				
	10-	10.7		Coal				
	10.7	20-		Mudstone				
	20-	21.7		Coal				
	21.7	35-		Mudstone				
G-3	0	3.6	4-	Fill + clay				
	3.6	3.8		Coal				
	3.8	9.3		Mudstone				
	9.3	10.3		Coal				
	10.3	19-		Mudstone				
	19-	20.4		Coal				
	20.4	35-		Mudstone				
G-5	0	3.7	4-	Fill + clay, Coal traces				
	3.7	8-		Mudstone				
	8-	9.4		Coal				
	9.4	19-		Mudstone				
	19-	20.2		Coal				
	20.2	35-		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane, site B sheet 2	DAY / DATE	Tue 28/6/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I9	0	3.7	4-	Fill + clay, Coal traces				
	3.7	7-		Mudstone				
	7-	8-		Weak coal, poor returns				
	8-	18.2		Mudstone				
	18.2	19.2		Coal				
	19.2	33-		Mudstone				
	33-	33.8		Coal				
	33.8	35-		Mudstone				
I7	0	3.7	4-	Fill + clay, Coal traces				
	3.7	8-		Mudstone				
	8-	9.2		Coal				
	9.2	19.3		Mudstone				
	19.3	20-		Coal				
	20-	34.5		Mudstone				
	34.5	35.3		Coal				
	35.3	37-		Mudstone				
I5	0	3.8	4-	Fill + clay, Coal traces				
	3.8	9.6		Mudstone				
	9.6	10.6		Coal				
	10.6	19.7		Mudstone				
	19.7	20.6		Coal				
	20.6	35-		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.9 %
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
6-7	0	3.7	4-	Fill + clay				
	3.7	6.5		mudstone				
	6.5	8-		Weak, lost flush				
	8-	35-		firm				
6-9	0	3.6	4-	Fill + clay				
	3.6	7.2		mudstone				
	7.2	8-		Coal				
	8-	16.4		mudstone				
	16.4	18-		Coal				
	18-	33.5		mudstone				
	33.5	33.9		Coal				
	33.9	35-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DRILLER

L. Hancock

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Tuesday	DATE	28/6/22	SITE	Lickers Lane, Site B, Sheet 2.
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
K27	CL	8.0	10.0	f ₁₁₁					
	8.0	19.9		Grey Mudstone					
	19.9	20.6		COOL					
	20.6	23.0		Grey Mudstone					
	23.0	23.9		Black Mudstone + COOL traces					
	23.9	30.0		Grey Mudstone					
	30.0	32.8		Brown / Grey Sandstone					
	32.8	33.2		Grey Sandstone					
	33.2	39.6		Grey Mudstone					
	39.6	41.9		COOL					
	41.9	43.0		Grey Mudstone					

WATER LEVELS	TIME	FLUSHING MEDIUM				PLANT IN USE
START OF SHIFT		AIR	WATER	☒ FOAM	OTHER	Klemm
MID-SHIFT		LOSS OF FLUSH / EXTENT				START TIME
END OF SHIFT		None.				BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING				FINISH TIME
FIRST STRUCK		BIT TYPE				WEATHER
SEEPAGES		BIT SIZE				GAS MONITORING
DRYING OUT		CORE DRILLING				CH ₄ : % LEL
		BIT TYPE				H ₂ S : PPM
		BIT SIZE				CO : PPM
CASING SIZE - DEPTH	10mm.					O ₂ : 80.9 %
		BACKFILL				NOTES:
CORE BARREL - LINER		STANDPIPES/				REMARKS - VISITORS

DRILLER	<i>L. Howson</i>
BOREHOLE No.	
ORIENTATION	

DAILY SITE RECORD GROUND INVESTIGATION

DAY	<i>Tuesday</i>	DATE	<i>28/6/22</i>	SITE	<i>Lickers Lane, Site B, Sheet 2</i>
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
<i>440</i>	<i>0</i>	<i>2.5</i>	<i>4.0</i>	<i>fill</i>					
	<i>2.5</i>	<i>11.7</i>		<i>Grey Mudstone</i>					
	<i>11.7</i>	<i>12.3</i>		<i>coal</i>					
	<i>12.3</i>	<i>13.0</i>		<i>Grey Mudstone</i>					
	<i>13.0</i>	<i>14.1</i>		<i>Black Mudstone + coal traces</i>					
	<i>14.1</i>	<i>21.0</i>		<i>Grey Mudstone</i>					
	<i>21.0</i>	<i>23.2</i>		<i>Brown / Grey Sandstone</i>					
	<i>23.2</i>	<i>26.8</i>		<i>Grey Sandstone</i>					
	<i>26.8</i>	<i>27.4</i>		<i>Grey Mudstone</i>					
	<i>27.4</i>	<i>29.5</i>		<i>Grey Sandstone</i>					
	<i>29.5</i>	<i>32.7</i>		<i>Grey Mudstone</i>					
	<i>32.7</i>	<i>34.0</i>		<i>coal</i>					
	<i>34.0</i>	<i>36.0</i>		<i>Grey Mudstone</i>					
	<i>36.0</i>	<i>37.0</i>		<i>coal</i>					
	<i>37.0</i>	<i>40.0</i>		<i>Grey Mudstone</i>					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☒ FOAM ☐ OTHER ☐	<i>Klean</i>
MID-SHIFT		LOSS OF FLUSH / EXTENT <i>None</i>	START TIME
END OF SHIFT			BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE <i>Rock</i>	WEATHER <i>Cloudy</i>
SEEPAGES		BIT SIZE <i>70mm</i>	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : ☐ % LEL H ₂ S : ☐ PPM
		BIT TYPE	CO : ☐ PPM O ₂ : <i>20.9</i> %
CASING SIZE - DEPTH <i>101 mm</i>		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/PIEZOMETERS	
		INSTRUMENTATION	R.E.

DRILLER

L. Howdorn

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Tuesday	DATE	28/6/22	SITE	Lickers Lane, Site B, Street 2
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
L54	0	1.5	2.0	fill					
	1.5	3.2		Coal					
	3.2	4.3		Grey Mudstone					
	4.3	5.0		Black Mudstone + coal traces					
	5.0	7.5		Grey Mudstone					
	7.5	8.0		Grey Sandstone					
	8.0	8.7		Yellow Sandstone					
	8.7	9.0		Grey Sandstone					
	9.0	14.8		Grey Mudstone					
	14.8	16.2		Grey Sandstone					
	16.2	17.4		Yellow / Brown Sandstone					
	17.4	18.0		Grey Sandstone					
	18.0	24.2		Grey Mudstone					
	24.2	26.4		Coal					
	26.4	28.3		Grey Mudstone					
	28.3	29.6		Coal					
	29.6	32.0		Grey Mudstone					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☐ ☒ FOAM ☐ OTHER ☐	Kiennu.
MID-SHIFT		LOSS OF FLUSH / EXTENT	START TIME
END OF SHIFT		None	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE	WEATHER
SEEPAGES		BIT SIZE	Cloudy.
DRYING OUT		CORE DRILLING	GAS MONITORING
		BIT TYPE	CH ₄ : 0 % LEL H ₂ S : 0 PPM
		BIT SIZE	CO : 0 PPM O ₂ : 21.0 %
CASING SIZE - DEPTH	100mm.	BACKFILL	NOTES:
CORE BARREL - LINER		STANDPIPES/PIEZOMETERS	REMARKS - VISITORS
		INSTRUMENTATION	R.E.

DRILLER *L. Howden*

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	<i>Tuesday</i>	DATE	<i>28/6/22</i>	SITE	<i>Lickers Lane, Sme B, Sheet 3.</i>
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
<i>09</i>	<i>0</i>	<i>0.3</i>	<i>2.0</i>	<i>fill</i>					
	<i>0.3</i>	<i>2.0</i>		<i>Brown Sandy Clay</i>					
	<i>2.0</i>	<i>7.4</i>		<i>Yellow Mudstone</i>					
	<i>7.4</i>	<i>8.0</i>		<i>Grey Mudstone</i>					
	<i>8.0</i>	<i>9.1</i>		<i>Yellow Sandstone</i>					
	<i>9.1</i>	<i>11.2</i>		<i>Grey Sandstone</i>					
	<i>11.2</i>	<i>12.0</i>		<i>Grey Mudstone</i>					
	<i>12.0</i>	<i>16.1</i>		<i>Broken ground, lost fluid.</i>					
	<i>16.1</i>	<i>24.0</i>		<i>firm drilling.</i>					
<i>J18</i>	<i>0</i>	<i>0.3</i>	<i>2.0</i>	<i>fill</i>					
	<i>0.3</i>	<i>1.5</i>		<i>Brown Sandy Clay</i>					
	<i>1.5</i>	<i>5.5</i>		<i>Yellow / Brown Mudstone</i>					
	<i>5.5</i>	<i>7.0</i>		<i>Coal</i>					
	<i>7.0</i>	<i>9.0</i>		<i>Grey Mudstone</i>					
	<i>9.0</i>	<i>10.5</i>		<i>Broken ground, lost fluid.</i>					
	<i>10.5</i>	<i>15.0</i>		<i>firm drilling.</i>					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☐ ☒ FOAM ☐ OTHER ☐	
MID-SHIFT		LOSS OF FLUSH / EXTENT <i>100% loss</i>	START TIME
END OF SHIFT		<i>of flush</i>	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE <i>Boston.</i>	WEATHER <i>Cloudy.</i>
SEEPAGES		BIT SIZE <i>70mm.</i>	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : <i>0</i> % LEL H ₂ S : <i>0</i> PPM
		BIT TYPE	CO : <i>0</i> PPM O ₂ : <i>20.9</i> %
CASING SIZE - DEPTH <i>101mm.</i>		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS	
		INSTRUMENTATION	R.E.

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Tuesday	DATE	28/6/22	SITE	Lickers Lane - Site B, Sheet 3.
CLIENT / CONTRACT					JOB No.

[illegible]

WATER LEVELS	TIME	FLUSHING MEDIUM				PLANT IN USE	Kleann.		
START OF SHIFT		AIR	WATER	☒ FOAM	OTHER				
MID-SHIFT		LOSS OF FLUSH / EXTENT 100 % Loss				START TIME			
END OF SHIFT		at flush.				BREAK TIME			
OTHER COMMENTS		OPEN HOLE DRILLING				FINISH TIME			
FIRST STRUCK		BIT TYPE Bitcon.				WEATHER Cloudy.			
SEEPAGES		BIT SIZE 70mm.				GAS MONITORING			
DRYING OUT		CORE DRILLING				CH ₄ :	0 % LEL	H ₂ S :	0 PPM
		BIT TYPE				CO :	0 PPM	O ₂ :	20.9 %
CASING SIZE - DEPTH	10mm.	BIT SIZE				NOTES:			
		BACKFILL				REMARKS - VISITORS			
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS							
		INSTRUMENTATION				R.E.			

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 2	DAY / DATE	WEDNESDAY 29-6-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F4								
	GL	3.7		FILL/CLAY				
	3.7	8-	4m	MUDSTONE				
	8-	9.5		COAL				
	9.5	18.5		MUDSTONE				
	18.5	19.8		COAL				
	19.8	35		MUDSTONE				
F6								
	GL	3.8		FILL/CLAY				
	3.8	7.7	4m	MUDSTONE				
	7.7	8.7		COAL				
	8.7	17.8		MUDSTONE				
	17.8	19-		WEAK DRILLING, PROX COAL RETURN				
	19-	33-		MUDSTONE				
	33-	33.5		COAL				
	33.5	35		MUDSTONE				
D6								
	GL	3.7		FILL/CLAY				
	3.7	6.5	4m	MUDSTONE				
	6.5	7.5		COAL				
	7.5	16.5		MUDSTONE				
	16.5	17.7		COAL				
	17.7	30.5		MUDSTONE				
	30.5	31-		COAL				
	31-	32		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LANE SITE B SHEET 2	DAY / DATE	WEDNESDAY 29.6.2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
		R.E./SUPERVISOR

[illegible]

SITE / JOB No.	LICKERS LANE SITE B SHEET 2	DAY / DATE	WEDNESDAY 29-6-2022	DRILLER	M SMITH
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[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C5	U	3.8	4-	Fill + clay				
	3.8	5-		mudstone				
	5-	7.2		Slightly broke, lost flush				
	7.2	35-		Firm				
C7	U	3.2	4-	Fill + clay				
	3.2	5-		mudstone				
	5-	6.2		Coal				
	6.2	16-		mudstone				
	16-	16.7		Coal				
	16.7	29.2		mudstone				
	29.2	30-		Coal				
	30-	31-		mudstone				
E7	U	3.7	4-	Fill + clay				
	3.7	6.8		mudstone				
	6.8	7.5		Coal				
	7.5	16.2		mudstone				
	16.2	17-		Coal				
	17-	31.5		mudstone				
	31.5	32.2		Coal				
	32.2	35-		mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES:	
	R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

[illegible]

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		

[illegible]

DRILLER L. Hawthorne

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	<u>Wednesday</u>	DATE	<u>29/6/22</u>	SITE	<u>Lickers Lane, Site B, Sheet 3</u>
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
E27	<u>0</u>	<u>0.5</u>	<u>1.0</u>	<u>fill</u>					
	<u>0.5</u>	<u>1.0</u>		<u>cccl</u>					
	<u>1.0</u>	<u>10.0</u>		<u>Grey Mudstone</u>					
Ac									
U	<u>0</u>	<u>0.4</u>	<u>3.0</u>	<u>fill</u>					
	<u>0.4</u>	<u>2.4</u>		<u>Brown Sandy Clay</u>					
	<u>2.4</u>	<u>3.2</u>		<u>Yellow Sandstone</u>					
	<u>3.2</u>	<u>4.6</u>		<u>Grey Sandstone</u>					
	<u>4.6</u>	<u>5.5</u>		<u>Yellow Sandstone</u>					
	<u>5.5</u>	<u>6.7</u>		<u>Grey Sandstone</u>					
	<u>6.7</u>	<u>8.5</u>		<u>Grey Mudstone</u>					
	<u>8.5</u>	<u>10.0</u>		<u>Grey Sandstone</u>					
	<u>10.0</u>	<u>12.5</u>		<u>Grey Mudstone</u>					
	<u>12.5</u>	<u>14.8</u>		<u>cccl</u>					
	<u>14.8</u>	<u>17.1</u>		<u>Grey Mudstone</u>					
	<u>17.1</u>	<u>18.0</u>		<u>cccl</u>					
	<u>18.0</u>	<u>21.0</u>		<u>Grey Mudstone</u>					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☒ FOAM ☐ OTHER ☐	<u>Kleen.</u>
MID-SHIFT		LOSS OF FLUSH / EXTENT <u>None</u>	START TIME
END OF SHIFT			BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE <u>Button</u>	WEATHER <u>Cloudy</u>
SEEPAGES		BIT SIZE <u>70mm</u>	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : <u>0</u> % LEL H ₂ S : <u>0</u> PPM
		BIT TYPE	CO : <u>0</u> PPM O ₂ : <u>20.9</u> %
CASING SIZE - DEPTH <u>101mm</u>		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS	
		INSTRUMENTATION	R.E.

DRILLER L. Howson

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Wednesday	DATE	29/6/22	SITE	Lickers Lane, Site B, Street 3
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
YAA 25	0	0.3	3.0	firm					
	0.3	2.4		Brown Sandy Clay					
	2.4	3.1		Yellow Mudstone					
	3.1	3.5		Grey Mudstone					
	3.5	4.0		Yellow Sandstone					
	4.0	5.5		Brown Sandstone					
	5.5	6.3		Yellow Sandstone					
	6.3	9.2		Grey Mudstone					
	9.2	10.9		Weak drilling, Poor rock return					
	10.9	12.2		Grey Mudstone					
	12.2	14.5		Broken ground, lost plug					
	14.5	18.0		firm drilling					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☐ ☒ FOAM ☐ OTHER ☐	Kleen.
MID-SHIFT		LOSS OF FLUSH / EXTENT 100% Loss	START TIME
END OF SHIFT		of flush	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE Button.	WEATHER Cloudy
SEEPAGES		BIT SIZE 70mm.	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : 0 % LEL H ₂ S : 0 PPM
		BIT TYPE	CO : 0 PPM O ₂ : 20.9 %
CASING SIZE - DEPTH 101 mm.		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS	
		INSTRUMENTATION	R.E.

DRILLER L. Houshore.

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Wednesday	DATE	29/6/22	SITE	Lickers Lane, Site B, Sheet 4
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
K3	0	0.4	4.0	fill					
	0.4	2.2		Brown Sandy Clay					
	2.2	2.7		Yellow Mudstone					
	2.7	5.0		Grey Mudstone					
	5.0	9.0		coal					
	9.0	10.1		Grey Mudstone					
	10.1	11.0		Black Mudstone + coal					
	11.0	23.4		Grey Mudstone					
	23.4	27.0		Brown / Grey Sandstone					
	27.0	31.6		Grey Sandstone					
	31.6	33.4		Weak drilling, lost flush					
	33.4	36.0		firm drilling					
	36.0	37.0		Weak drilling					
	37.0	40.0		firm drilling					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☐ ☒ FOAM ☐ OTHER ☐	Kiemu
MID-SHIFT		LOSS OF FLUSH / EXTENT 100% Loss	START TIME
END OF SHIFT		at flush	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE Biton	WEATHER Cloudy
SEEPAGES		BIT SIZE 70mm.	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : 0 % LEL H ₂ S : 0 PPM
		BIT TYPE	CO : 0 PPM O ₂ : 21.0 %
CASING SIZE - DEPTH 101mm.		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS	
		INSTRUMENTATION	R.E.

DRILLER L. Hansson

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	<u>Wednesday</u>	DATE	<u>29/6/22</u>	SITE	<u>Lickers Lane, Site B, Sheet 5A</u>
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
<u>G15</u>	<u>0</u>	<u>0.5</u>	<u>1M</u>	<u>fill</u>					
<u>New G19</u>	<u>0.5</u>	<u>2.7</u>		<u>Brown Sandy Clay</u>					
	<u>2.7</u>	<u>3.2</u>		<u>Yellow Mudstone</u>					
	<u>3.2</u>	<u>9.8</u>		<u>Grey Mudstone</u>					
	<u>9.8</u>	<u>11.8</u>		<u>coal</u>					
	<u>11.8</u>	<u>21.0</u>		<u>Grey Mudstone</u>					
	<u>21.0</u>	<u>21.9</u>		<u>coal</u>					
	<u>21.9</u>	<u>24.0</u>		<u>Grey Mudstone</u>					
	<u>24.0</u>	<u>24.9</u>		<u>Black Mudstone + coal</u>					
	<u>24.9</u>	<u>26.5</u>		<u>Grey Mudstone</u>					
	<u>26.5</u>	<u>27.3</u>		<u>Grey Sandstone</u>					
	<u>27.3</u>	<u>33.0</u>		<u>Brown / Grey Sandstone</u>					
	<u>33.0</u>	<u>36.0</u>		<u>Grey Sandstone</u>					
	<u>36.0</u>	<u>36.4</u>		<u>Week drilling, lost flush</u>					
	<u>36.4</u>	<u>39.5</u>		<u>firm drilling</u>					
	<u>39.5</u>	<u>40.5</u>		<u>Week drilling</u>					
	<u>40.5</u>	<u>42.3</u>		<u>firm drilling</u>					
	<u>42.3</u>	<u>43.9</u>		<u>Week drilling</u>					
	<u>43.9</u>	<u>45.5</u>		<u>firm drilling</u>					
	<u>45.5</u>	<u>46.0</u>		<u>Week drilling</u>					
	<u>46.0</u>	<u>48.0</u>		<u>firm drilling</u>					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☒ FOAM ☐ OTHER ☐	<u>Kiem</u>
MID-SHIFT		LOSS OF FLUSH / EXTENT <u>100% loss</u>	START TIME
END OF SHIFT		<u>at flush</u>	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE <u>Button</u>	WEATHER <u>Cloudy</u>
SEEPAGES		BIT SIZE <u>70mm</u>	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : <u>0</u> % LEL H ₂ S : <u>0</u> PPM
		BIT TYPE	CO : <u>0</u> PPM O ₂ : <u>20.9</u> %
CASING SIZE - DEPTH <u>101mm</u>		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/PIEZOMETERS	
		INSTRUMENTATION	R.E.

L-Hawthorne

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Wednesday	DATE	29/6/22	SITE	Lickers Lane, Site B, Street 5A
CLIENT / CONTRACT					JOB No.

[illegible]

WATER LEVELS	TIME	FLUSHING MEDIUM				PLANT IN USE	Klemm		
START OF SHIFT		AIR	WATER	✓FOAM	OTHER				
MID-SHIFT		LOSS OF FLUSH / EXTENT				START TIME	None		
END OF SHIFT						BREAK TIME			
OTHER COMMENTS		OPEN HOLE DRILLING				FINISH TIME			
FIRST STRUCK		BIT TYPE				Weather			
SEEPAGES		BIT SIZE				Cloudy			
DRYING OUT		CORE DRILLING				GAS MONITORING			
		BIT TYPE				CH ₄ :	6 % LEL	H ₂ S :	0 PPM
		BIT SIZE				CO :	0 PPM	O ₂ :	10.9 %
CASING SIZE - DEPTH	101mm	BACKFILL				NOTES:			
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS				REMARKS - VISITORS			
		INSTRUMENTATION				R.E.			

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	THURSDAY 30/06/2022	DRILLER	A BULLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E	GL	3	3M	FILL / CLAY				
11	3	3.5		COAL				
	3.5	12.7		MUDSTONE				
	12.7	15.5		SLIGHTLY BROKEN GROUND				
	15.5	30		FIRM DRILLING				
D	GL	4.5	5M	FILL / CLAY				
10	4.5	14		MUDSTONE				
	14	15.5		BROKEN GROUND, LOST FLUSH				
	15.5	30		FIRM DRILLING				
D	GL	3	3M	FILL / CLAY				
12	3	3.5		COAL				
	3.5	12		MUDSTONE				
	12	14		WEAK DRILLING, POOR COAL RETURNS				
	14	26		MUDSTONE				
	26	26.5		COAL				
	26.5	28		MUDSTONE				
J	GL	4	4M	FILL / CLAY				
5	4	4.3		COAL				
	4.3	10		MUDSTONE				
	10	10.7		COAL				
	10.7	20		MUDSTONE				
	20	21.5		WEAK DRILLING, POOR COAL RETURNS				
	21.5	35		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9%
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	THURSDAY 30/06/2022	DRILLER	A BULLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
J	GL	4.2	5M	FILL/CLAY/COAL TRACES				
9	4.2	7.5		MUDSTONE				
	7.8	9		COAL				
	9	18		MUDSTONE				
	18	19.5		WEAK DRILLING, LOST FLUSH				
	19.5	35		FIRM DRILLING				
K				5M OFFSET				
3	GL	3.7	4M	FILL/CLAY/COAL TRACES				
	3.7	11		MUDSTONE				
	11	11.5		COAL				
	11.5	21		MUDSTONE				
	21	22.5		COAL				
	22.5	36		MUDSTONE				
K	GL	4.2	5M	FILL/CLAY				
7	4.2	9		MUDSTONE				
	9	10.4		WEAK DRILLING, POOR COAL RETURNS				
	10.4	20.5		MUDSTONE				
	20.5	21.5		COAL				
	21.5	33.5		MUDSTONE				
	33.5	34.3		COAL				
	34.3	36		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	THURSDAY 30/06/2022	DRILLER	A BULLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 1.1	GL	4.1	5M	FILL / CLAY / COAL TRACES				
	4.1	7		MUDSTONE				
	7	8.1		COAL				
	8.1	17.9		MUDSTONE				
	17.9	19.3		COAL				
	19.3	31.2		MUDSTONE				
	31.2	32		COAL				
	32	33		MUDSTONE				
C 1.7	GL	2.8	3M	FILL / CLAY				
	2.8	8.8		MUDSTONE				
	8.8	10		COAL				
	10	22.5		MUDSTONE				
	22.5	23.7		COAL				
	23.7	25		MUDSTONE				
C 1.9	GL	2.7	3M	FILL / CLAY				
	2.7	6.8		MUDSTONE				
	6.8	8		COAL				
	8	21.5		MUDSTONE				
	21.5	22.7		COAL				
	22.7	24		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B Sheet 2	DAY / DATE	Thurs 30/6/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I17	CL	3.0	4.0	fill + Clay				
	3.0	12.0		Mudstone				
	12.0	13.2		coal				
	13.2	25.5		Mudstone				
	25.5	26.9		coal				
	26.9	28.0		Mudstone				
I19	CL	3.0	4.0	fill + Clay				
	3.0	10.9		Mudstone				
	10.9	12.0		coal				
	12.0	24.2		Mudstone				
	24.2	25.0		coal				
	25.0	26.0		Mudstone				
G19	CL	3.0	4.0	fill + Clay				
	3.0	9.5		Mudstone				
	9.5	11.6		coal				
	11.6	23.1		Mudstone				
	23.1	24.0		coal				
	24.0	25.0		Mudstone				
G17	CL	3.0	4.0	fill + Clay				
	3.0	10.4		Mudstone				
	10.4	12.3		coal				
	12.3	24.2		Mudstone				
	24.2	25.3		coal				
	25.3	27.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 60.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B. Sheet 2	DAY / DATE	Thurs 30/6/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
J16	0	3.0	3.0	fill + Clay				
	3.0	3.4		cccl				
	3.4	13.4		Mudstone				
	13.4	14.8		cccl				
	14.8	26.9		Mudstone				
	26.9	27.6		cccl				
	27.6	29.0		Mudstone				
J18	0	3.0	4.0	fill + Clay				
	3.0	11.9		Mudstone				
	11.9	13.2		cccl				
	13.2	25.2		Mudstone				
	25.2	26.3		cccl				
	26.3	28.0		Mudstone				
J20	0	3.0	4.0	fill + Clay				
	3.0	9.5		Mudstone				
	9.5	12.0		Broken grout, lost flush				
	12.0	28.0		firm drilling				
H20	0	2.5	4.0	fill				
	2.5	9.6		Mudstone				
	9.6	11.0		cccl				
	11.0	23.1		Mudstone				
	23.1	24.0		cccl				
	24.0	25.0		Mudstone				

REMARKS:	GAS MONITORING			
	CH ₄ : 0 % LEL		H ₂ S : 0 PPM	
	CO : 0 PPM		O ₂ : 20.9 %	
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B. Sheet 2	DAY / DATE	Thurs 30/6/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H18	0	3.0	4.0	fill + Clay				
	3.0	11.3		Mudstone				
	11.3	12.2		coal				
	12.2	24.3		Mudstone				
	24.3	25.4		coal				
	25.4	27.0		Mudstone				
H16	0	3.0	3.0	fill + Clay				
	3.0	3.5		coal				
	3.5	11.9		Mudstone				
	11.9	13.3		coal				
	13.3	25.6		Mudstone				
	25.6	26.9		coal				
	26.9	28.0		Mudstone				
K19	0	3.0	4.0	fill + Clay				
	3.0	12.0		Mudstone				
	12.0	13.3		coal				
	13.3	25.4		Mudstone				
	25.4	26.4		coal				
	26.4	28.0		Mudstone				
L17	0	3.0	3.0	fill + Clay				
	3.0	3.9		coal				
	3.9	14.8		Mudstone				
	14.8	15.7		coal				
	15.7	26.9		Mudstone				
	26.9	28.0		coal				
	28.0	29.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
		 R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B Sheet 2	DAY / DATE	Thurs 30/6/22	DRILLER	L. Handberg
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K15	CL	3.0	4.0	fill + Clay				
	3.0	5.5		cccl				
	5.5	15.2		Mudstone				
	15.2	16.5		cccl				
	16.5	27.5		Mudstone				
	27.5	28.5		cccl				
	28.5	30.0		Mudstone				
L13	CL	3.0	4.0	fin + Clay				
	3.0	6.5		Mudstone				
	6.5	7.3		cccl				
	7.3	16.9		Mudstone				
	16.9	18.4		cccl				
	18.4	30.0		Mudstone				
	30.0	31.2		cccl				
	31.2	33.0		Mudstone				

[illegible][illegible]

SITE / JOB No.	Lickers Lane, Site B Sheet 2	DAY / DATE	Fri 1 / 7 / 22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING				
	FROM	TO			PFA	CEMENT	SAND	OTHER	
07	CL	3.0	4.0	fin + Clay					
		3.0		12.0	Mudstone				
		12.0		12.7	coal				
		12.7		21.9	Mudstone				
		21.9		23.5	coal				
		23.5		36.0	Mudstone				
D7	CL	4.0	4.0	fin + Clay					
		4.0		12.9	Mudstone				
		12.9		13.7	coal				
		13.7		24.0	Mudstone				
		24.0		25.2	coal				
		25.2		36.0	Mudstone				
P6	CL	4.0	4.0	fin + Clay					
		4.0		13.0	Mudstone				
		13.0		13.7	coal				
		13.7		23.7	Mudstone				
		23.7		24.7	coal				
		24.7		36.0	Mudstone				
N6	CL	4.0	4.0	fin + Clay					
		4.0		12.0	Mudstone				
		12.0		12.9	coal				
		12.9		22.3	Mudstone				
		22.3		23.7	coal				
		23.7		36.0	Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : ○ % LEL	H ₂ S : ○ PPM
	CO : ○ PPM	O ₂ : 20.9 %
NOTES:		

..... R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Secondaries

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 4-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E4								
	GL	3.8		FILL/CLAY				
	3.8	7.3	4m	MUDSTONE				
	7.3	9-		WEAK DRILLING POOR COAL RETURN				
	9-	17.5		MUDSTONE				
	17.5	19.5		COAL				
	19.5	22-		MUDSTONE				
E6								
	GL	3.9		FILL/CLAY				
	3.9	5.8	4m	MUDSTONE				
	5.8	8.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	8.5	20-		FIRM DRILLING				
C6								
	GL	3.5		FILL/CLAY				
	3.5	5.5	4m	MUDSTONE				
	5.5	6.5		COAL				
	6.5	16.3		MUDSTONE				
	16.3	17.3		COAL				
	17.3	20-		MUDSTONE				
B6								
	GL	3.3		FILL/CLAY				
	3.3	5.3	4m	MUDSTONE				
	5.3	6.3		WEAK DRILLING POOR COAL RETURN				
	6.3	14.5		MUDSTONE				
	14.5	16.8		COAL				
	16.8	20-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 4-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B5								
	GL	3.5		FILL/CLAY				
	3.5	4.8	4m	MUDSTONE				
	4.8	8.5		WEAR DRILLING POOR COAL RETURNS				
	8.5	16.5		MUDSTONE				
	16.5	17.5		COAL				
	17.5	20-		MUDSTONE				
D5								
	GL	3.5		FILL/CLAY				
	3.5	5.7	4m	MUDSTONE				
	5.7	7.7		BROKEN GROUND LOST FLUSH				
	7.7	20-		FIRM DRILLING				
F5								
	GL	3.8		FILL/CLAY				
	3.8	7.5	4m	MUDSTONE				
	7.5	9-		COAL				
	9-	18-		MUDSTONE				
	18-	19.5		COAL				
	19.5	22-		MUDSTONE				

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[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R	0	3.6	2-	Fill + clay				
18	3.6	5.7		Mudstone				
	5.7	6.9		Coal				
	6.9	14.6		Mudstone				
	14.6	15.7		Coal				
	15.7	29.1		Mudstone				
	29.1	30.5		Coal				
	30.5	32-		Mudstone				
P	0	3.7	2-	Fill + clay				
18	3.7	5-		Mudstone				
	5-	6.2		Coal				
	6.2	13.6		Mudstone				
	13.6	15-		Coal				
	15-	28.8		Mudstone				
	28.8	30-		Coal				
	30-	31-		Mudstone				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		
	R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	4/1/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
0 19	0	3.3	2-	Fill + clay, Coal traces				
	3.3	14.6		Mudstone				
	14.6	16.4		Weak, lost flush				
	16.4	35-		Firm				
0 17	0	3.5	2-	Fill + clay				
	3.5	4.5		mudstone				
	4.5	6-		Slightly broke, lost flush				
	6-	35		Firm				
0 15	0	3.7	2-	Fill + clay				
	3.7	6.5		mudstone				
	6.5	7.6		Coal				
	7.6	15-		mudstone				
	15-	16.2		Coal				
	16.2	27.5		mudstone				
	27.5	29.4		Coal				
	29.4	31-		mudstone				
0 13	0	3.8	2-	Fill + clay				
	3.8	7.4		mudstone				
	7.4	9-		Coal				
	9-	16.4		mudstone				
	16.4	17.4		Coal				
	17.4	28.7		mudstone				
	28.7	31-		Coal				
	31-	32-		mudstone				

REMARKS:	GAS MONITORING		
	CH_4 : 0 % LEL	H_2S : 0 PPM	
	CO : 0 PPM	O_2 : 20.9 %	
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q13	0	3.8	2-	fill + clay				
	3.8	6.2		mudstone				
	6.2	7-		coal				
	7-	17.2		mudstone				
	17.2	18.4		coal				
	18.4	30.7		mudstone				
	30.7	32.8		coal				
	32.8	34-		mudstone				
Q15	0	3.8	2-	fill + clay				
	3.8	7.5		mudstone				
	7.5	8.9		coal				
	8.9	15.3		mudstone				
	15.3	17-		weak, lost flush				
	17-	34-		firm				
Q17	0	3.8	2-	fill + clay				
	3.8	6-		mudstone				
	6-	7.3		coal				
	7.3	13.9		mudstone				
	13.9	16.3		weak, lost flush				
	16.3	34-		firm				

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E19								
	GL	2.7		FILL/CLAY				
	2.7	7.5	3m	MUDSTONE				
	7.5	9.5		WEAK DRILLING POOR COAL RETURNS				
	9.5	22-		MUDSTONE				
	22-	23.2		COAL				
	23.2	25-		MUDSTONE				
E17								
	GL	2.6		FILL/CLAY				
	2.6	9-	3m	MUDSTONE				
	9-	11-		COAL				
	11-	23-		MUDSTONE				
	23-	24.3		COAL				
	24.3	26-		MUDSTONE				
F20								
	GL	2.6		FILL/CLAY				
	2.6	6.5	3m	MUDSTONE				
	6.5	9.8		WEAK DRILLING POOR COAL/MUDSTONE RETURNS				
	9.8	22.5		MUDSTONE				
	22.5	23.5		COAL				
	23.5	25-		MUDSTONE				

[illegible][illegible]

SITE / JOB NO.	Lickers Lane, Site B Sheet 2	DAY / DATE	4 / 7 / 22	DRILLER	L. Howie
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q9	CL	3.0	4.0	fill + Clay				
	3.0	11.0		Mudstone				
	11.0	12.4		coal				
	12.4	20.9		Mudstone				
	20.9	23.5		coal				
	23.5	35.6		Mudstone				
	35.6	36.7		coal				
	36.7	38.0		Mudstone				
Q11	CL	4.0	4.0	fill + Clay				
	4.0	8.4		Mudstone				
	8.4	11.0		Weak drilling, poor return				
	11.0	15.0		Mudstone				
	15.0	21.7		Weak drilling, lost flush				
	21.7	37.0		firm drilling				
Q11	CL	4.0	4.0	fill + Clay				
	4.0	10.3		Mudstone				
	10.3	11.4		coal				
	11.4	21.6		Mudstone				
	21.6	22.5		coal				
	22.5	33.6		Mudstone				
	33.6	34.5		coal				
	34.5	36.0		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane Site B Sheet 2	DAY / DATE	4/7/22 ^{Mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q 19	0	3.6	4-	Fill + clay				
	3.6	5.4		Mudstone				
	5.4	6.5		Coal				
	6.5	14.5		Mudstone				
	14.5	15.7		Coal				
	15.7	28.7		Mudstone				
	28.7	30.2		Coal				
	30.2	32-		mudstone				
R 20	0	3.6	2-	Fill + clay				
	3.6	4.3		Coal				
	4.3	13.8		Mudstone				
	13.8	15.2		weak, lost flush				
	15.2	32-		firm				
P 20	0	3.7	2-	Fill + clay, Coal traces				
	3.7	5.1		Mudstone				
	5.1	6.1		Coal				
	6.1	14.2		Mudstone				
	14.2	15.3		Coal				
	15.3	28.3		Mudstone				
	28.3	29.9		Coal				
	29.9	31-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 4-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F18								
	GL	2.5		FILL/CLAY				
	2.5	9.8	3m	MUDSTONE				
	9.8	11-		COAL				
	11-	23-		MUDSTONE				
	23-	24.3		COAL				
	24.3	26-		MUDSTONE				
F16								
	GL	3.3		FILL/CLAY				
	3.3	11.3	4m	MUDSTONE				
	11.3	12.5		COAL				
	12.5	24.5		MUDSTONE				
	24.5	25.5		COAL				
	25.5	27-		MUDSTONE				
F10								
	GL	3.4		FILL/CLAY				
	3.4	4-	4m	MUDSTONE				
	4-	5-		BROKEN GROUND LOST FLUSH				
	5-	30-		FIRM DRILLING				
F8								
	GL	3.7		FILL/CLAY/COAL TRACES				
	3.7	6-	4m	MUDSTONE				
	6-	7.5		BROKEN GROUND LOST FLUSH				
	7.5	32-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	$\text{CH}_4 : \quad 0 \quad \% \text{ LEL}$	$\text{H}_2\text{S} : \quad 0 \quad \text{PPM}$
	$\text{CO} : \quad 0 \quad \text{PPM}$	$\text{O}_2 : \quad 20-9 \quad \%$
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	lickers lane, site B sheet 2	DAY / DATE	Tue 5/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R 16	0	3.7	2-	Fill + clay				
	3.7	6.7		mudstone				
	6.7	8-		Coal				
	8-	15.4		mudstone				
	15.4	16.7		Coal				
	16.7	30.5		mudstone				
	30.5	31.7		Coal				
	31.7	33-		mudstone				
P 16	0	3.6	2-	Fill + clay				
	3.6	6.5		mudstone				
	6.5	7.3		Coal				
	7.3	14.8		mudstone				
	14.8	16-		Coal				
	16-	28.7		mudstone				
	28.7	30.2		Coal				
	30.2	32-		Mudstone				
P 14	0	3.7	2-	Fill + clay				
	3.7	6.9		mudstone				
	6.9	8-		Coal				
	8-	16.3		mudstone				
	16.3	17.2		Coal				
	17.2	30-		mudstone				
	30-	31.9		Coal				
	31.9	33-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

[illegible][illegible]

DAILY SITE RECORD

[illegible]

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	TUESDAY 5-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y19								
	GL	4.7		FILL/CLAY				
	4.7	5.6	5m.	MUDSTONE/COAL				
	5.6	10.2		MUDSTONE				
	10.2	11.2		WEAK DRILLING, POOR COAL RETURNS				
	11.2	20.7		MUDSTONE				
	20.7	22-		COAL				
	22-	32.5		MUDSTONE				
	32.5	33.5		COAL				
	33.5	35-		MUDSTONE				
Z18								
	GL	4-		FILL/CLAY				
	4-	5.6	5m	MUDSTONE				
	5.6	6.2		MUDSTONE/COAL				
	6.2	10-		MUDSTONE				
	10-	11.5		COAL				
	11.5	21.8		MUDSTONE				
	21.8	22.8		COAL				
	22.8	33.5		MUDSTONE				
	33.5	34.7		COAL				
	34.7	36-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	TUESDAY 5-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V18								
	GL	3.5		FILL/CLAY				
	3.5	9-	4m	MUDSTONE				
	9-	9.8		COAL				
	9.8	18-		MUDSTONE				
	18-	21-		WEAK DRILLING LOST FLUSH				
	21-	34-		FIRM DRILLING				
W19								
	GL	4.5		FILL/CLAY/COAL TRACES				
	4.5	9.3	5m	MUDSTONE				
	9.3	10.3		COAL				
	10.3	19-		MUDSTONE				
	19-	21-		WEAK DRILLING POOR RETURNS				
	21-	34		FIRM DRILLING				
X20								
	GL	4.3		FILL/CLAY/COAL TRACES				
	4.3	9.5	5m	MUDSTONE				
	9.5	10.5		WEAK DRILLING POOR COAL RETURNS				
	10.5	20.3		MUDSTONE				
	20.3	21.5		WEAK DRILLING LOST FLUSH				
	21.5	34		FIRM DRILLING				
X18								
	GL	4.5		FILL/CLAY/COAL TRACES				
	4.5	9.7	5m	MUDSTONE				
	9.7	11.5		WEAK DRILLING POOR RETURNS				
	11.5	34		FIRM DRILLING				

REMARKS:	GAS MONITORING
WAITING FOR WATER	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20.9 %
	NOTES:
	R.E./SUPERVISOR

[illegible]

[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : ○ % LEL	H ₂ S : ○ PPM
	CO : ○ PPM	O ₂ : <u>21</u> ○ %
	NOTES:	
		R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Wed 6/7/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C23	CL	3.0	4.0	fin & Clay				
	3.0	6.0		Mudstone				
	6.0	7.0		coal				
	7.0	19.2		Mudstone				
	19.2	20.5		coal				
	20.5	21.4		Mudstone				
	21.4	21.9		coal				
	21.9	36.5		Mudstone				
	36.5	37.7		coal				
	37.7	39.5		Mudstone				
	39.5	41.0		coal				
	41.0	46.0		Mudstone				
E24	CL	3.0	4.0	fin & Clay				
	3.0	5.8		Mudstone				
	5.8	7.7		coal				
	7.7	19.7		Mudstone				
	19.7	20.7		coal				
	20.7	21.5		Mudstone				
	21.5	22.1		coal				
	22.1	37.0		Mudstone				
	37.0	38.0		coal				
	38.0	39.0		Mudstone				
	39.0	41.5		coal				
	41.5	43.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B Sheet 2	DAY / DATE	Wed 6/7/22	DRILLER	L. Howdorth.
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C/D	0	3.5	4.0	fill + Clay				
S.5	3.5	6.0		Mudstone				
	6.0	7.1		Coal				
	7.1	16.8		Mudstone				
	16.8	17.8		Coal + Gneiss return				
	17.8	20.0		Mudstone				
D/E	0	4.0	4.0	fill + Clay				
S.5	4.0	7.0		Mudstone				
	7.0	8.0		Coal				
	8.0	17.2		Mudstone				
	17.2	18.2		Coal				
	18.2	20.0		Mudstone				
J19	0	4.0	4.0	fill + Clay				
	4.0	11.8		Mudstone				
	11.8	12.9		Coal				
	12.9	25.3		Mudstone				
	25.3	26.3		Coal				
	26.3	28.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES:	
		R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B Sheet 2	DAY / DATE	Wed 6/7/22	DRILLER	L-Hewitson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E8	CL	3.5	4.0	fill + Clay				
	3.5	5.9		Mudstone				
	5.9	6.7		coal				
	6.7	16.0		Mudstone				
	16.0	17.8		coal				
	17.8	30.0		Mudstone				
	30.0	31.8		coal				
	31.8	33.0		Mudstone				
E8	CL	3.5	4.0	fill + Clay				
	3.5	6.5		Mudstone				
	6.5	7.5		coal				
	7.5	16.7		Mudstone				
	16.7	18.0		coal				
	18.0	30.9		Mudstone				
	30.9	32.5		coal				
	32.5	34.0		Mudstone				
E7	CL	3.5	4.0	fill + Clay				
	3.5	6.8		Mudstone				
	6.8	7.8		coal				
	7.8	17.2		Mudstone				
	17.2	18.1		coal				
	18.1	30.5		Mudstone				
	30.5	32.0		coal				
	32.0	33.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

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Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B Sheet 2	DAY / DATE	Wed 6/7/22	DRILLER	L. Henderson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S G10	CL	3.0	4.00	fin + Clay				
	3.0	5.3		Mudstone				
	5.3	5.9		coal				
	5.9	15.7		Mudstone				
	15.7	17.0		coal				
	17.0	25.7		Mudstone				
	25.7	30.9		coal				
	30.9	32.0		Mudstone				
S F11	CL	3.0	4.0	fin + Clay				
	3.0	3.5		Mudstone				
	3.5	4.6		coal				
	4.6	14.8		Mudstone				
	14.8	15.8		coal				
	15.8	27.3		Mudstone				
	27.3	28.7		coal				
	28.7	30.0		Mudstone				
S F9	CL	3.0	4.0	fin + Clay				
	3.0	5.0		Mudstone				
	5.0	6.2		coal				
	6.2	15.8		Mudstone				
	15.8	17.0		coal				
	17.0	25.4		Mudstone				
	25.4	30.0		coal				
	30.0	31.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPMCO: 0 PPM O₂: 20.9 %

NOTES:

DELIVERY

TICKET No.

QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 2	DAY / DATE	WEDNESDAY 6-7-2022	DRILLER	M SMITH
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DAILY SITE RECORD

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	WEDNESDAY 6-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB 18								
	GL	4.2		FILL/CLAY/COAL TRACES				
	4.2	12	5m	MUDSTONE				
	12-	13-		COAL				
	13-	23.5		MUDSTONE				
	23.5	24.5		COAL				
	24.5	35.5		MUDSTONE				
	35.5	36.5		COAL				
	36.5	38-		MUDSTONE				
AC 19								
	GL	4		FILL/CLAY/COAL TRACES				
	4-	12.3	5m	MUDSTONE				
	12.3	13-		COAL				
	13-	21.7		MUDSTONE				
	21.7	24-		WEAK DRILLING FLUR COAL RETURNS				
	24-	35.5		MUDSTONE				
	35.5	36.3		COAL				
	36.8	38-		MUDSTONE				

[illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB								
20	GL	4-		FILL/CLAY				
	4-	5-	4m	MUDSTONE				
	5-	6-2		MUDSTONE/COAL				
	6-2	11-		MUDSTONE				
	11-	12.1		COAL				
	12.1	19.5		MUDSTONE				
	19.5	22.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	22.5	36-		FIRM DRILLING				
AD								
20	GL	3.8		FILL/CLAY/COAL TRACES				
	3.8	5.5	4m	MUDSTONE				
	5.5	6.7		MUDSTONE/COAL				
	6.7	11.8		MUDSTONE				
	11.8	13-		COAL				
	13-	21.8		MUDSTONE				
	21.8	24-		WEAK DRILLING, POOR RETURN				
	24-	36-		FIRM DRILLING				
AD								
18	GL	4.8		FILL/CLAY/COAL				
	4.8	13-	5m	MUDSTONE				
	13-	13.7		COAL				
	13.7	23.5		MUDSTONE				
	23.5	25-		WEAK DRILLING, POOR RETURN				
	25-	36-		FIRM DRILLING				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane Site B Sheet 2	DAY / DATE	wed 6/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y 15	0	4-	2-	Fill + clay				
	4-	4.6		Coal				
	4.6	7.2		Mudstone				
	7.2	8.5		Black mudstone, Coal traces				
	8.5	12.5		Mudstone				
	12.5	13.5		Coal				
	13.5	23-		Mudstone				
	23-	24.4		Coal				
	24.4	35-		Mudstone				
	35-	37.4		Coal				
	37.4	39-	Mudstone					
AA 15	0	4.2	2-	Fill + clay				
	4.2	5-		Coal				
	5-	8-		Mudstone				
	8-	9.6		Black mudstone, Coal traces				
	9.6	13.5		Mudstone				
	13.5	14.2		Coal				
	14.2	24.2		Mudstone				
	24.2	25.2		Coal				
	25.2	35.3		Mudstone				
	35.3	37.7		Coal				
	37.7	39-	Mudstone					

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DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	wed 6/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L 21	0	3.5	4-	Fill + clay				
	3.5	9.5		mudstone				
	9.5	10.8		Coal				
	10.8	24.8		mudstone				
	24.8	26-		Coal				
	26-	27-		mudstone				
				6 mtr offset 15°				
M 24	0	3.7	4-	Fill + clay				
	3.7	11-		mudstone				
	11-	12.6		Coal				
	12.6	24.3		mudstone				
	24.3	26.2		Coal				
	26.2	28-		mudstone				
				3 mtr offset 7°				
O 25	0	3.5	4-	Fill + clay				
	3.5	11.3		Mudstone				
	11.3	13.3		Coal				
	13.3	26-		mudstone				
	26-	27.3		Coal				
	27.3	29-		mudstone				
O 22	0	3.6	2-	Fill + clay				
	3.6	14.3		mudstone				
	14.3	16.3		Coal				
	16.3	27.1		mudstone				
	27.1	28.3		Coal				
	28.3	30-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
NOTES:		

DELIVERY	TICKET No.	QUANTITY

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	6/7/22 wed	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y	0	4.2	2-	fin + clay, Coal traces				
17	4.2	7.2		mudstone				
	7.2	8-		Black mudstone, Coal traces				
	8-	11.7		mudstone				
	11.7	12.5		Coal				
	12.5	22.5		mudstone				
	22.5	23.5		Coal				
	23.5	34.2		mudstone				
	34.2	36.5		Coal				
	36.5	38-		mudstone				
AA	0	4.2	2-	fin + clay, Coal traces				
17	4.2	7-		mudstone				
	7-	8.1		Black mudstone, Coal traces				
	8.1	11.4		mudstone				
	11.4	12.5		Coal				
	12.5	22.6		mudstone				
	22.6	24-		Coal				
	24-	34.4		mudstone				
	34.4	37.8		Coal				
	37.8	39-		mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	THURSDAY 7-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AI 19	GL	3.5		FILL/CLAY				
	3.5	5-	4m	MUDSTONE				
	5-	6-		COAL				
	6-	16-		MUDSTONE				
	16-	16.7		COAL				
	16.7	26.5		MUDSTONE				
	26.5	28-		COAL				
	28-	36-		MUDSTONE				
AK 19	GL	3.3		FILL/CLAY				
	3.3	4.3	4m	MUDSTONE				
	4.3	7.5		WEAK DRILLING, POOR RETURNS				
	7.5	36		FIRM DRILLING				
AH 20	GL	3-		FILL/CLAY				
	3-	4.2	3m	COAL				
	4.2	14-		MUDSTONE				
	14-	14.6		COAL				
	14.6	23-		MUDSTONE				
	23-	26-		SLIGHTLY BROKEN GROUND LAST FLUSH				
	26-	36-		FIRM DRILLING				

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	THURSDAY 7-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AJ 20	GL	6.2		Fill/CLAY/COAL				
	6.2	15-	7m	MUDSTONE				
	15-	16.5		COAL				
	16.5	24-		MUDSTONE				
	24-	25.5		COAL				
	25.5	36-		MUDSTONE				
AE 23	GL	4.2		Fill/CLAY				
4m offset 7'A	4.2	11.7	5m	MUDSTONE				
	11.7	12.3		COAL				
	12.3	22.5		MUDSTONE				
	22.5	24-		COAL				
	24-	34-		MUDSTONE				
	34-	35.3		COAL				
	35.3	37-		MUDSTONE				
AC 22	GL	4.5		Fill/CLAY				
	4.5	11-	5m	MUDSTONE				
	11-	11.8		COAL				
	11.8	22-		MUDSTONE				
	22-	23-		COAL				
	23-	33.5		MUDSTONE				
	33.5	34.5		COAL				
	34.5	36-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LANE SITE B SHEET 2	DAY / DATE	THURSDAY 7-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB								
25	GL	3.8		FILL/CLAY/COAL TRACES				
2m	3.8	9-	4m	MUDSTONE				
offset	9-	9.8		COAL				
4A	9.8	19.5		MUDSTONE				
	19.5	21-		COAL				
	21-	32.5		MUDSTONE				
	32.5	33.5		COAL				
	33.5	35-		MUDSTONE				
AA								
23	GL	4.5		FILL/CLAY/COAL TRACES				
3m	4.5	10-	5m	MUDSTONE				
offset	10-	10.7		COAL				
6A	10.7	21-		MUDSTONE				
	21-	22.3		COAL				
	22.3	32.5		MUDSTONE				
	32.5	33.5		COAL				
	33.5	35-		MUDSTONE				
Y22								
	GL	4.2		FILL/CLAY/COAL TRACES				
	4.2	9-	5m	MUDSTONE				
	9-	10-		COAL				
	10-	19-		MUDSTONE				
	19-	21.2		COAL				
	21.2	32-		MUDSTONE				
	32	33.3		COAL				
	33.3	35-		MUDSTONE				

[illegible][illegible]

SITE / JOB NO.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Thurs 7/7/22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I29	CL	4.0	6.0	fin + Clay				
	4.0	5.0		Mudstone				
	5.0	6.0		cccl				
	6.0	17.3		Mudstone				
	17.3	18.1		cccl				
	18.1	18.9		Mudstone				
	18.9	19.6		cccl				
	19.6	35.6		Mudstone				
	35.6	36.0		Weak drilling, lost flush				
	36.0	40.5		firm drilling				
	40.5	42.0		Weak drilling				
	42.0	43.0		firm drilling				
I27	CL	4.0	6.0	fin + Clay				
	4.0	6.0		Mudstone				
	6.0	7.0		cccl				
	7.0	12.0		Mudstone				
	12.0	39.0		Sept drilling, lost flush				
	39.0	45.0		firm drilling				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.7 %
	NOTES:	
R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	licker's lane site B sheet 2	DAY / DATE	Thu 7/7/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING		
	$\text{CH}_4 :$	$\circ$ % LEL	$\text{H}_2\text{S} : \circ$ PPM
	$\text{CO} :$	$\circ$ PPM	$\text{O}_2 : 20.9$ %
	NOTES: 		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Thurs 7 / 7 / 22	DRILLER	L. Hamblane
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K24	CL	3.0	4.0	fill + Clay				
	3.0	9.3		Mudstone				
	9.3	10.5		coal				
	10.5	22.2		Mudstone				
	22.2	23.3		coal				
	23.3	23.9		Mudstone				
	23.9	24.5		coal				
	24.5	26.0		Mudstone				
K23	CL	3.0	4.0	fill + Clay				
	3.0	10.1		Mudstone				
	10.1	11.5		coal				
	11.5	22.8		Mudstone				
	22.8	24.0		coal				
	24.0	26.0		Mudstone				
K29	CL	3.0	4.0	fill + Clay				
	3.0	6.0		Mudstone				
	6.0	7.0		coal				
	7.0	18.3		Mudstone				
	18.3	19.5		coal				
	19.5	37.7		Mudstone				
	37.7	43.0		Slightly broken, lost flush				
	43.0	44.0		firm drilling				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
	R.E./SUPERVISOR	

[illegible]

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K	0	2.5	2-	Fill + clay				
37	2.5	13-		Mudstone				
	13-	14.2		Coal				
	14.2	15.6		Mudstone				
	15.6	16.3		Coal, black mudstone				
	16.3	31.5		Mudstone				
	31.5	33.7		Weak, lost flush				
	33.7	37-		Firm				
	37-	41-		Mudstone flush returned, coal traces				
K	0	2.7	2-	Fill + clay				
35	2.7	3.3		Coal				
	3.3	14-		Mudstone				
	14-	15.2		Coal				
	15.2	16.5		Mudstone				
	16.5	17-		Coal, black mudstone				
	17-	33-		Mudstone				
	33-	34.4		Weak, lost flush				
	34.4	39.3		Firm				
	39.3	42-		Mudstone flush returned				

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane : Site B, Sheet 2	DAY / DATE	Thurs 7/7/22	DRILLER	L. Houghton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M29	0	3.0	4.0	fin + Clay				
	3.0	6.4		Mudstone				
	6.4	7.5		coal				
	7.5	20.0		Mudstone				
	20.0	21.0		coal				
	21.0	21.5		Mudstone				
	21.5	21.9		coal				
	21.9	35.5		Mudstone				
	35.5	40.0		coal				
	40.0	42.0		Mudstone				
	42.0	43.0		coal				
	43.0	45.0		Mudstone				
M27	0	3.0	4.0	fin + Clay				
	3.0	5.7		Mudstone				
	5.7	9.6		coal				
	9.6	21.0		Mudstone				
	21.0	21.9		coal				
	21.9	23.0		Mudstone				
	23.0	23.9		coal				
	23.9	41.0		Mudstone				
	41.0	42.5		coal				
	42.5	44.0		Mudstone				
	44.0	45.0		coal				
	45.0	46.0		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20.7 %	
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Thurs 7/7/22	DRILLER	L. Hawkins
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
626	0	3.0	4.0	fin & Clay				
	3.0	9.0		Mudstone				
	9.0	10.0		Coal				
	10.0	21.4		Mudstone				
	21.4	22.4		Coal				
	22.4	23.3		Mudstone				
	23.3	24.2		Coal				
	24.2	41.3		Mudstone				
	41.3	42.8		Coal				
	42.8	44.3		Mudstone				
	44.3	45.5		Coal				
	45.5	47.0		Mudstone				
328	0	3.0	4.0	fin & Clay				
	3.0	5.0		Mudstone				
	5.0	8.3		Weak drilling, lost flush				
	8.3	46.0		firm drilling.				

[illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 33	U	3-	2-	Fill + clay				
	3-	4.4		Coal				
	4.4	15.5		Mudstone				
	15.5	17.2		Coal				
	17.2	18-		Mudstone				
	18-	18.7		Coal black mudstone				
	18.7	35.6		Mudstone				
	35.6	37-		Coal				
	37-	39.9		Mudstone				
	39.9	41.3		Coal				
	41.3	43-		Mudstone				
K 31	U	3-	2-	Fill + clay				
	3-	4.5		Mudstone				
	4.5	5.8		Coal				
	5.8	17.1		Mudstone				
	17.1	18.5		Coal				
	18.5	37-		Mudstone				
	37-	38.5		Coal				
	38.5	41.1		Mudstone				
	41.1	42.3		Coal				
	42.3	44-		Mudstone				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers lane Site B Sheet 2	DAY / DATE	Thu 7/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 35	0	2.3	2-	Fill + clay				
	2.3	3.5		mudstone				
	3.5	4.5		Coal				
	4.5	15-		Mudstone				
	15-	16.5		Coal				
	16.5	17.3		Mudstone				
	17.3	18-		Coal, black mudstone				
	18-	34-		Mudstone				
	34-	35.7		weak, lost flush				
	35.7	41.2		Firm				
	41.2	43-		Mudstone Flush returned				
M 33	0	2.8	2-	Fill + clay				
	2.8	4.3		mudstone				
	4.3	5.5		Coal				
	5.5	16.7		Mudstone				
	16.7	18.2		Coal				
	18.2	18.9		Mudstone				
	18.9	19.5		Coal, black mudstone				
	19.5	31-		Mudstone				
	31-	38.5		Coal				
	38.5	40.8		Mudstone				
	40.8	42-		Coal				
	42-	43-		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W25								
3m	GL	5-		Fill/CLAY/COAL TRACES				
offset	5-	16.7	6m	MUDSTONE				
GA	16.7	17.7		COAL				
	17.7	29-		MUDSTONE				
	29-	30-		COAL				
	30	32		MUDSTONE				
X26								
3m	GL	5.2		Fill/CLAY/COAL TRACES				
offset	5.2	16-	6m	MUDSTONE				
GA	16-	17.2		WEAK DRILLING POOR COAL RETURNS				
	17.2	29.3		MUDSTONE				
	29.3	30.3		COAL				
	30.3	33-		MUDSTONE				
W27								
2m	GL	4.5		Fill/CLAY/COAL TRACES				
offset	4.5	14-	5m	MUDSTONE				
GA	14-	16.5		COAL				
	16.5	27.5		MUDSTONE				
	27.5	28.5		COAL				
	28.5	30-		MUDSTONE				

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	FRIDAY 8-7-2022	DRILLER	M. SMITH
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SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	Fri 8/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 31	0	3-	2-	Fill + clay				
	3-	6-		Mudstone				
	6-	7.2		Weak, lost flush				
	7.2	45-		Firm				
J 30	0	3-	2-	Fill + clay				
	3-	4-		Mudstone				
	4-	5.1		Coal				
	5.1	16-		Mudstone				
	16-	17.2		Coal				
	17.2	36.6		Mudstone				
	36.6	37.8		Weak, lost flush				
	37.8	41.6		Firm				
	41.6	45-		Mudstone flush returned				
L 32	0	3.2	2-	Fill + clay				
	3.2	5-		Mudstone				
	5-	6-		Coal				
	6-	16.2		Mudstone				
	16.2	17.9		Coal				
	17.9	19-		Mudstone				
	19-	19.5		Coal, black mudstone				
	19.5	36.6		Mudstone				
	36.6	38-		Coal				
	38-	40.8		Mudstone				
	40.8	42.1		Coal				
	42.1	44-		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Fri 8/1/22	DRILLER	D. Holdnall
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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2.	DAY / DATE	Fri 8/7/22	DRILLER	L. Handborne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
J28	CL	4.5	4.0	fill + Clay				
	4.5	6.0		Mudstone				
	6.0	7.0		coal				
	7.0	18.0		Mudstone				
	18.0	19.0		coal				
	19.0	38.6		Mudstone				
	38.6	40.2		coal				
	40.2	42.0		Mudstone				
	42.0	43.0		coal				
	43.0	44.0		Mudstone				
J26	CL	3.0	4.0	fill + Clay				
	3.0	4.5		Mudstone				
	4.5	8.5		Weak drilling, lost first.				
	8.5	45.0		firm drilling.				
G27	CL	2.0	2.0	fill + Clay				
	2.0	5.0		Mudstone				
	5.0	6.0		coal				
	6.0	17.8		Mudstone				
	17.8	18.6		coal				
	18.6	38.0		Mudstone				
	38.0	39.4		coal				
	39.4	41.0		Mudstone				
	41.0	41.7		coal				
	41.7	43.0		Mudstone				

REMARKS:	GAS MONITORING			
	CH ₄ : 0	% LEL	H ₂ S : 0	PPM
	CO : 0	PPM	O ₂ : 20.9	%
	NOTES:			
	R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Fri 8 / 7 / 22	DRILLER	L. Howkorth
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REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.3 %
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	MONDAY 11 / 07 / 2022	DRILLER	A BULLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V 28	GL	3.7	4M	FILL/CLAY, COAL TRACES				
	3.7	12.8		MUDSTONE				
	12.8	14.9		COAL				
	14.9	25.6		MUDSTONE				
	25.6	26.9		COAL				
	26.9	29		MUDSTONE				
U 25	GL	3	4M	FILL/CLAY				
	3	3.5		MUDSTONE				
	3.5	4.2		COAL				
	4.2	14.2		MUDSTONE				
	14.2	16		COAL				
	16	26.7		MUDSTONE				
	26.7	27.7		COAL				
	27.7	30		MUDSTONE				
U 27	GL	3.2	4M	FILL/CLAY, COAL TRACES				
	3.2	4.3		MUDSTONE				
	4.3	5		COAL				
	5	12.2		MUDSTONE				
	12.2	15.1		WEAK DRILLING, POOR RETURNS				
	15.1	26		MUDSTONE				
	26	27.3		COAL				
	27.3	30		MUDSTONE				

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Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	MONDAY 11/07/2022	DRILLER	A BULLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U	GL	3.9	4M	FILL / CLAY				
29	3.9	4.3		MUDSTONE				
	4.3	5		COAL				
	5	10.7		MUDSTONE				
	10.7	13.7		WEAK DRILLING, POOR RETURNS				
	13.7	17.9		MUDSTONE				
	17.9	29.2		COAL				
	29.2	32		MUDSTONE				
U	GL	3.1	4M	FILL / CLAY				
31	3.1	7		MUDSTONE				
	7	12.5		BROKEN GROUND, LOST FLUSH				
	12.5	32		FIRM DRILLING				
U	GL	3	4M	FILL / CLAY				
33	3	10		MUDSTONE				
	10	11.2		COAL				
	11.2	22.3		MUDSTONE				
	22.3	23.3		COAL				
	23.3	42.2		MUDSTONE				
	42.2	43.7		COAL				
	43.7	45.5		MUDSTONE				
	45.5	46.4		COAL				
	46.4	49		MUDSTONE				

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20-9 %
	NOTES:
..... R.E./SUPERVISOR	

[illegible]

[illegible]

REMARKS:	GAS MONITORING					
	CH ₄ :	0	% LEL	H ₂ S :	0	PPM
	CO :	0	PPM	O ₂ :	20.9	%
	NOTES:					
..... R.E./SUPERVISOR						

[illegible]

SITE / JOB No.	Lickers Lane, Site B, Sheet 2.	DAY / DATE	Mon 11 / 7 / 22	DRILLER	L. Housome
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W37	CL	3.0	4.0	fill + Clay				
	3.0	8.5		Mudstone				
	8.5	9.4		coal				
	9.4	20.5		Mudstone				
	20.5	21.3		coal				
	21.3	40.3		Mudstone				
	40.3	41.7		coal				
	41.7	43.0		Mudstone				
	43.0	43.9		coal				
	43.9	45.0		Mudstone				
X36	CL	3.0	4.0	fill + Clay				
	3.0	8.8		Mudstone				
	8.8	9.8		coal				
	9.8	21.0		Mudstone				
	21.0	21.8		coal				
	21.8	40.6		Mudstone				
	40.6	41.9		coal				
	41.9	43.0		Mudstone				
	43.0	43.9		coal				
	43.9	45.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Mon 11 / 7 / 22	DRILLER	L. Howlton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V36	CL	3.0	4.0	fin + Clay				
	3.0	8.3		Mudstone				
	8.3	9.2		coal				
	9.2	20.7		Mudstone				
	20.7	21.3		coal				
	21.3	40.0		Mudstone				
	40.0	41.8		coal				
	41.8	43.6		Mudstone				
	43.6	44.8		coal				
	44.8	46.0		Mudstone				
W35	CL	3.0	4.0	fin + Clay				
	3.0	6.0		Mudstone				
	6.0	10.5		Baker ground, 10ft flush				
	10.5	47.0		firm drilling.				
U35	CL	3.0	4.0	fin + Clay				
	3.0	8.2		Mudstone				
	8.2	9.2		coal				
	9.2	20.8		Mudstone				
	20.8	21.6		coal				
	21.6	40.9		Mudstone				
	40.9	42.3		coal				
	42.3	43.8		Mudstone				
	43.8	44.5		coal				
	44.5	47.0		Mudstone				

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SITE / JOB NO.	Lickers Lane, Ste B, Sheet 2	DAY / DATE	Mon 11 / 7 / 22	DRILLER	L. Hanks
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REMARKS:	GAS MONITORING					
	CH ₄ :	0	% LEL	H ₂ S :	0	PPM
	CO :	0	PPM	O ₂ :	20.9	%
	NOTES:					

[illegible]

Tel: 01902 885241

QC 4.1/7B

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	11/7/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
5	0	2.8	2-	fill + clay				
34	2.8	4-		weak, lost flush				
	4-	44-		firm				
L	0	2.8	2-	fill + clay				
34	2.8	4.5		Coal				
	4.5	14.5		Mudstone				
	14.5	15.8		Coal				
	15.8	17.3		Mudstone				
	17.3	18-		Coal, black mudstone				
	18-	34.5		Mudstone				
	34.5	35.9		weak, lost flush				
	35.9	41.7		firm				
	41.7	43-		mudstone, flush returned				
5	0	2.3	2-	fill + clay				
36	2.3	13-		Mudstone				
	13-	14-		Coal				
	14-	15.7		Mudstone				
	15.7	16.6		Coal, black mudstone				
	16.6	33.5		Mudstone				
	33.5	34.6		Coal				
	34.6	37.5		Mudstone				
	37.5	38.7		Coal				
	38.7	41-		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	11/7/22 mon	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
J	0	2.5	2-	fill + clay				
38	2.5	11.6		mudstone				
	11.6	12.8		Coal				
	12.8	14.4		Mudstone				
	14.4	15.4		Coal, black mudstone				
	15.4	31.7		mudstone				
	31.7	33-		Coal				
	33-	35-		mudstone				
	35-	36.3		Coal				
	36.3	39-		Mudstone				
L	0	2.4	2-	fill + clay				
38	2.4	12.4		mudstone				
	12.4	13.5		Coal				
	13.5	14.7		mudstone				
	14.7	15.7		Coal, black mudstone				
	15.7	32-		mudstone				
	32-	33.8		weak, lost flush				
	33.8	40-		firm				
N	0	2.4	2-	fill + clay, Coal traces				
38	2.4	12.9		Mudstone				
	12.9	14.2		Coal				
	14.2	15.6		mudstone				
	15.6	16.4		Coal, black mudstone				
	16.4	32-		Mudstone				
	32-	34-		Weak, lost flush				
	34-	41-		firm				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 7	DAY / DATE	11/7/22 ^{Mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L 36	0	2.8	2-	Fill + clay				
	2.8	14-		Mudstone				
	14-	15.1		Coal				
	15.1	16.2		Mudstone				
	16.2	17-		Coal, black mudstone				
	17-	34.1		Mudstone				
	34.1	35.7		Coal				
	35.7	38.2		Mudstone				
	38.2	39.6		Coal				
	39.6	42-		Mudstone				
M 39	0	2.6	2-	Fill + clay				
	2.6	12.5		Mudstone				
	12.5	13.8		Coal				
	13.8	15.2		Mudstone				
	15.2	16.3		Coal, black mudstone				
	16.3	31.5		Mudstone				
	31.5	33.5		weak, lost flush				
	33.5	41-		firm				
X 39	0	2.7	2-	Fill + clay				
	2.7	12-		Mudstone				
	12-	13-		Coal				
	13-	14.4		Mudstone				
	14.4	15.3		Coal, black mudstone				
	15.3	31.2		Mudstone				
	31.2	33.2		weak, lost flush				
	33.2	39.3		firm				
	39.3	41-		Mudstone flush returned				

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SITE / JOB NO.	lickers lane site B Sheet 2	DAY / DATE	12/7/22 Tue	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 41	0	2.5	2-	fill + clay				
	2.5	11-		mudstone				
	11-	12-		Coal				
	12-	14.3		mudstone				
	14.3	15.5		Coal, black mudstone				
	15.5	33-		mudstone				
	33-	34.1		Coal				
	34.1	36.3		mudstone				
	36.3	37.4		Coal				
	37.4	39-		mudstone				
K 41	0	2.6	2-	fill + clay				
	2.6	10.8		mudstone				
	10.8	12-		Coal				
	12-	13.7		mudstone				
	13.7	14.7		Coal, black mudstone				
	14.7	32.6		mudstone				
	32.6	33.7		Coal				
	33.7	36-		mudstone				
	36-	37-		Coal				
	37-	39-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

[illegible][illegible]

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Tue 12/7/22	DRILLER	D. Holdnall
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[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N 42	0	2.2	2-	fin. + clay				
	2.2	11.2		mudstone				
	11.2	12.5		Coal				
	12.5	13.9		mudstone				
	13.9	14.6		Coal, black mudstone				
	14.6	32.7		mudstone				
	32.7	33.9		Coal				
	33.9	35.7		mudstone				
	35.7	37-		Coal				
	37-	39-		mudstone				
L 42	0	2.2	2-	fin. + clay				
	2.2	9.6		mudstone				
	9.6	10.8		Coal				
	10.8	11.7		mudstone				
	11.7	12.5		Coal, black mudstone				
	12.5	31.4		mudstone				
	31.4	32.6		Coal				
	32.6	34.8		mudstone				
	34.8	35.8		Coal				
	35.8	39-		mudstone				

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
J 42	0	2.2	2-	fill + clay				
	2.2	8.8		mudstone				
	8.8	9.9		Coal				
	9.9	11-		mudstone				
	11-	11.6		Coal, black mudstone				
	11.6	30.7		mudstone				
	30.7	32.1		Coal				
	32.1	34.2		mudstone				
	34.2	35.2		Coal				
	35.2	38-		mudstone				
M 45	0	2.2	2-	fill + clay				
	2.2	8-		mudstone				
	8-	9-		Coal				
	9-	10.5		mudstone				
	10.5	11.7		Coal, black mudstone				
	11.7	28.5		mudstone				
	28.5	32-		weak, drilling firm bands, lost flush				
	32-	39-		firm				

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DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B. Sheet 2	DAY / DATE	Tue 12 / 7 / 22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V34	CL	3.0	4.0	fin + Clay				
	3.0	7.2		Mudstone				
	7.2	11.0		Broken gravel, lost flush				
	11.0	47.0		firm drilling				
W33	CL	3.0	4.0	fin + Clay				
	3.0	10.0		Mudstone				
	10.0	11.6		coal				
	11.6	23.0		Mudstone				
	23.0	24.0		coal				
	24.0	43.0		Mudstone				
	43.0	44.5		coal				
	44.5	46.3		Mudstone				
	46.3	47.5		coal				
	47.5	49.0		Mudstone				
W39	CL	3.0	4.0	fin + Clay				
	3.0	6.0		Mudstone				
	6.0	6.8		coal				
	6.8	18.0		Mudstone				
	18.0	18.6		coal				
	18.6	38.4		Mudstone				
	38.4	39.0		coal				
	39.0	41.7		Mudstone				
	41.7	42.5		coal				
	42.5	44.0		Mudstone				

REMARKS:	GAS MONITORING			
	CH ₄ : 0	% LEL	H ₂ S : 0	PPM
	CO : 0	PPM	O ₂ : 20.9	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

SITE / JOB NO.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Tue 12 / 7 / 22	DRILLER	L. Howson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W39	CL	3.0	4.0	fin + Clay				
	3.0	7.2		Mudstone				
	7.2	8.0		CoCl				
	8.0	19.0		Mudstone				
	19.0	19.7		CoCl				
	19.7	38.7		Mudstone				
	38.7	40.0		CoCl				
	40.0	41.9		Mudstone				
	41.9	43.3		CoCl				
	43.3	45.0		Mudstone				
W41	CL	3.0	4.0	fin + Clay				
	3.0	5.0		Mudstone				
	5.0	5.8		CoCl				
	5.8	16.2		Mudstone				
	16.2	16.9		CoCl				
	16.9	36.9		Mudstone				
	36.9	38.0		CoCl				
	38.0	40.2		Mudstone				
	40.2	41.7		CoCl				
	41.7	43.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
NOTES:		
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Tue 12 / 7 / 22	DRILLER	L. Howdorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W41	0	3.0	4.0	fin + Clay				
	3.0	5.4		Mudstone				
	5.4	6.5		coal				
	6.5	17.7		Mudstone				
	17.7	18.4		coal				
	18.4	38.6		Mudstone				
	38.6	39.9		coal				
	39.9	41.4		Mudstone				
	41.4	42.6		coal				
	42.6	44.0		Mudstone				
X40	0	3.0	4.0	fin + Clay				
	3.0	6.6		Mudstone				
	6.6	7.5		coal				
	7.5	18.3		Mudstone				
	18.3	19.6		coal				
	19.6	39.8		Mudstone				
	39.8	41.3		coal				
	41.3	42.7		Mudstone				
	42.7	43.9		coal				
	43.9	45.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Tue 12 / 7 / 22	DRILLER	L. Handartz
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 21.0 %
	NOTES: 	
		R.E./SUPERVISOR _____

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	TUESDAY 12/07/2022	DRILLER	A BULLEN
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T 30	GL	3.1	4m	FILL/CLAY				
	3.1	10.5		MUDSTONE				
	10.5	12.3		COAL				
	12.3	23.5		MUDSTONE				
	23.5	24.6		COAL				
	24.6	27		MUDSTONE				
R 28	GL	2.8	3m	FILL/CLAY				
	2.8	10.8		MUDSTONE				
	10.8	12.3		COAL				
	12.3	23.2		MUDSTONE				
	23.2	24.3		COAL				
	24.3	27		MUDSTONE				
S 29	GL	3	3m	FILL/CLAY				
	3	8.7		MUDSTONE				
	8.7	12.3		SLIGHTLY BROKEN GROUND, LOST FLUSH				
	12.3	27		FIRM DRILLING				
R 30	GL	2.7	3m	FILL/CLAY				
	2.7	8.7		MUDSTONE				
	8.7	11		COAL				
	11	22.3		MUDSTONE				
	22.3	23.5		COAL				
	23.5	46		MUDSTONE				

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B / SHEET 2	DAY / DATE	TUESDAY 12/07/2022	DRILLER	A BULLEN
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.3 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Wed 13/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 28	0	2.9	2-	Fill + clay				
	2.9	5.9		Mudstone				
	5.9	7.7		Coal				
	7.7	18.9		Mudstone				
	18.9	20.3		Coal				
	20.3	39.4		Mudstone				
	39.4	41.2		Coal				
	41.2	43.4		Mudstone				
	43.4	44.5		Coal				
	44.5	47-		Mudstone				
L 29	0	2.7	2-	Fill + clay				
	2.7	6.2		Mudstone				
	6.2	7.7		Coal				
	7.7	18.7		Mudstone				
	18.7	20.5		Coal				
	20.5	39.6		Mudstone				
	39.6	41.4		Coal				
	41.4	43.6		Mudstone				
	43.6	44.7		Coal				
	44.7	47-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES:	
R.E./SUPERVISOR		

DELIVERY	TICKET No.	QUANTITY

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 45	0	2-	2-	fill + clay				
	2-	7.5		mudstone				
	7.5	8.6		Coal				
	8.6	10-		mudstone				
	10-	11.2		Coal, black mudstone				
	11.2	27-		mudstone				
	27-	34.5		Slightly broke, lost flush				
	34.5	39-		firm				
N 44	0	1.8	2-	fill + clay				
	1.8	9.7		mudstone				
	9.7	11-		Coal				
	11-	12.3		mudstone				
	12.3	13.4		Coal, black mudstone				
	13.4	31.8		mudstone				
	31.8	32.9		Coal				
	32.9	35-		mudstone				
	35-	36.2		Coal				
	36.2	39-		mudstone				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	wed 13/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 47	U	2-	2-	Fill + clay				
	2-	6.6		mudstone				
	6.6	7.6		Coal				
	7.6	8.9		Mudstone				
	8.9	9.5		Coal, black mudstone				
	9.5	28-		mudstone				
	28-	33.8		Weak, firm in places, lost flush				
	33.8	36-		firm				
	36-	38-		mudstone flush returned				
J 29	U	3.2	2-	Fill + clay				
	3.2	5-		mudstone				
	5-	6.4		Coal				
	6.4	17.5		mudstone				
	17.5	19.3		Coal				
	19.3	38-		mudstone				
	38-	39.8		Coal				
	39.8	42-		mudstone				
	42-	43.2		Coal				
	43.2	46-		mudstone				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	wed 13/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L 44	0	1.8	2-	fill + clay				
	1.8	8.5		mudstone				
	8.5	9.6		Coal				
	9.6	10.7		mudstone				
	10.7	11.4		Coal, black mudstone				
	11.4	30.6		mudstone				
	30.6	32-		Coal				
	32-	34.2		mudstone				
	34.2	35.3		Coal				
	35.3	38-		Mudstone				
M 47	0	2-	2-	fill + clay				
	2-	7.3		mudstone				
	7.3	8.2		Coal				
	8.2	9.3		mudstone				
	9.3	10-		Coal, black mudstone				
	10-	29-		mudstone				
	29-	30.4		Coal				
	30.4	33-		mudstone				
	33-	34.3		Coal				
	34.3	38-		Mudstone				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		
R.E./SUPERVISOR			

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Tel: 01902 885241

DAILY SITE RECORD

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Wed 13 / 7 / 22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W43	CL	3.0	4.0	fill + Clay				
	3.0	4.0		coar				
	4.0	15.0		Mudstone				
	15.0	15.7		coar				
	15.7	35.5		Mudstone				
	35.5	37.0		Broken ground, lost flush				
	37.0	39.0		firm drilling				
	39.0	40.4		weak drilling				
	40.4	42.0		firm drilling				
W43	CL	3.0	4.0	fill + Clay				
	3.0	3.7		Mudstone				
	3.7	4.8		coar				
	4.8	15.5		Mudstone				
	15.5	16.5		coar				
	16.5	37.0		Mudstone				
	37.0	37.6		coar				
	37.6	39.5		Mudstone				
	39.5	41.0		coar				
	41.0	42.0		Mudstone				

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DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X42	0	3.0	4.0	fill + Clay				
	3.0	5.0		Mudstone				
	5.0	6.0		Weak drilling, Poor coal returns				
	6.0	16.5		Mudstone				
	16.5	17.3		coal				
	17.3	38.2		Mudstone				
	38.2	39.0		coal				
	39.0	40.3		Mudstone				
	40.3	41.8		coal				
	41.8	43.0		Mudstone				
V42	0	3.0	4.0	fill + Clay				
	3.0	3.7		Mudstone				
	3.7	5.0		coal				
	5.0	15.8		Mudstone				
	15.8	16.8		coal				
	16.8	37.5		Mudstone				
	37.5	38.4		coal				
	38.4	40.0		Mudstone				
	40.0	40.9		coal				
	40.9	42.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Wed 13/7/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W45	CL	3.0	4.0	fill + Clay				
	3.0	13.2		Mudstone				
	13.2	14.2		coal				
	14.2	34.0		Mudstone				
	34.0	36.0		coal				
	36.0	38.1		Mudstone				
	38.1	39.0		coal				
	39.0	40.0		Mudstone				
W45	CL	3.0	4.0	fill + Clay				
	3.0	3.8		coal				
	3.8	14.8		Mudstone				
	14.8	15.4		coal				
	15.4	35.9		Mudstone				
	35.9	37.4		coal				
	37.4	39.0		Mudstone				
	39.0	40.0		coal				
	40.0	41.0		Mudstone				
X44	CL	3.0	4.0	fill + Clay				
	3.0	4.6		coal				
	4.6	15.4		Mudstone				
	15.4	16.4		coal				
	16.4	36.7		Mudstone				
	36.7	38.0		coal				
	38.0	39.9		Mudstone				
	39.9	40.9		coal				
	40.9	42.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
R.E./SUPERVISOR		

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 2.	DAY / DATE	Wed 13/7/22	DRILLER	L. Howson
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[illegible]

REMARKS:	GAS MONITORING		
	CH_4 :	% LEL	H_2S : PPM
	CO :	PPM	O_2 : %
	NOTES:		
	R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Thurs 14 / 7 / 22	DRILLER	L. Howdorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC	0	3.0	4.0	fin + Clay				
41	3.0	9.0		Mudstone				
	9.0	9.7		Coal				
	9.7	20.9		Mudstone				
	20.9	21.9		Coal				
	21.9	40.7		Mudstone				
	40.7	42.3		Coal				
	42.3	44.9		Mudstone				
	44.9	45.5		Coal				
	45.5	47.0		Mudstone				
AE	0	3.0	4.0	fin + Clay				
41	3.0	10.2		Mudstone				
	10.2	11.0		Coal				
	11.0	21.9		Mudstone				
	21.9	23.0		Coal				
	23.0	42.4		Mudstone				
	42.4	44.0		Coal				
	44.0	45.5		Mudstone				
	45.5	46.6		Coal				
	46.6	48.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 7	DAY / DATE	Thurs 14 / 7 / 22	DRILLER	L. Howerton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC	CL	3.0	4.0	fin + Clay				
43	3.0	7.6		Mudstone				
	7.6	8.5		COCI				
	8.5	19.2		Mudstone				
	19.2	20.5		COCI				
	20.5	39.4		Mudstone				
	39.4	41.1		COCI				
	41.1	43.0		Mudstone				
	43.0	44.0		COCI				
	44.0	45.0		Mudstone				
AE	CL	3.0	4.0	fin + Clay				
43	3.0	8.7		Mudstone				
	8.7	9.3		COCI				
	9.3	20.9		Mudstone				
	20.9	21.6		COCI				
	21.6	40.7		Mudstone				
	40.7	42.8		COCI				
	42.8	44.8		Mudstone				
	44.8	45.5		COCI				
	45.5	47.0		Mudstone				
AD	CL	3.0	4.0	fin + Clay				
44	3.0	6.0		Mudstone				
	6.0	8.5		Well drilling, lost flush				
	8.5	47.0		firm drilling.				

REMARKS:	GAS MONITORING	
	CH ₄ : ○ % LEL	H ₂ S : ○ PPM
	CO : ○ PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Thurs 14 / 7 / 22	DRILLER	L. Howdore
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DAILY SITE RECORD

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Thu 14/7/72	DRILLER	D. Holdball
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G 35	0	2-	2-	Fill + clay				
	2-	12.5		mudstone				
	12.5	13.5		Coal				
	13.5	15-		mudstone				
	15-	15.5		Coal, black mudstone				
	15.5	33-		mudstone				
	33-	34.2		Coal				
	34.2	36-		mudstone				
	36-	37.4		Coal				
	37.4	40-		mudstone				
F 37	0	2-	2-	Fill + clay				
	2-	10.8		mudstone				
	10.8	12-		Coal				
	12-	13.6		mudstone				
	13.6	14.2		Coal, black mudstone				
	14.2	31.6		mudstone				
	31.6	32.7		Coal				
	32.7	35.1		mudstone				
	35.1	36.2		Coal				
	36.2	39-		mudstone				

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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
6-39	0	2-	2-	Fill + clay				
	2-	9.7		Mudstone				
	9.7	10.7		Coal				
	10.7	12.1		Mudstone				
	12.1	12.6		Coal, black - Mudstone				
	12.6	30.2		Mudstone				
	30.2	31.3		Coal				
	31.3	34.3		Mudstone				
	34.3	35.5		Coal				
	35.5	38-		Mudstone				
8-41	0	2-	2-	Fill + clay				
	2-	9.4		Mudstone				
	9.4	10.5		Coal				
	10.5	11.7		Mudstone				
	11.7	12.1		Coal, black mudstone				
	12.1	29.7		Mudstone				
	29.7	31.8		Slightly broke firm in places, lost flush				
	31.8	38-		Firm				
6-43	0	2-	2-	Fill + clay				
	2-	7-		Mudstone				
	7-	8-		Coal				
	8-	9.4		Mudstone				
	9.4	10.4		Coal, black mudstone				
	10.4	30.1		Mudstone				
	30.1	31.7		weak, lost flush				
	31.7	35.7		Firm				
	35.7	38-		Mudstone flush returned				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane site B Sheet 2	DAY / DATE	Thu 14/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H 45	0	1.8	2-	Fill + clay				
	1.8	6.4		mudstone				
	6.4	7.4		coal				
	7.4	8.6		mudstone				
	8.6	9.8		coal, black mudstone				
	9.8	27-		mudstone				
	27-	28.1		coal				
	28.1	32-		mudstone				
	32-	33.2		coal				
	33.2	36-		mudstone				
G 47	0	2-	2-	Fill + clay				
	2-	3.8		mudstone				
	3.8	5-		coal				
	5-	7.3		mudstone				
	7.3	8.2		coal, black mudstone				
	8.2	25.5		mudstone				
	25.5	32.1		Slightly broke, firm in places, lost flush				
	32.1	35-		firm				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H 49	0	2.2	2-	Fill + clay				
	2.2	3.5		mudstone				
	3.5	4.6		Coal				
	4.6	7.3		mudstone				
	7.3	8.6		Coal, black mudstone				
	8.6	24-		mudstone				
	24-	31.2		Slightly broke, lost Flush				
	31.2	34-		Firm				
G 51	0	2.2	2-	Fill + clay				
	2.2	3-		Coal				
	3-	5.8		mudstone				
	5.8	7-		Coal, black mudstone				
	7-	24.5		mudstone				
	24.5	25.5		Coal				
	25.5	28-		mudstone				
	28-	29.4		Coal				
	29.4	33-		mudstone				
H 53	0	2.2	2-	Fill + clay, Coal traces				
	2.2	22.6		mudstone				
	22.6	29.2		Weak, Firm in places, lost Flush				
	29.2	33-		Firm				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers lane site B sheet 2	DAY / DATE	Fri 15/7/22	DRILLER	D. Holdnall
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	MON FRI 15/7/22	DRILLER	L. Howarth
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF	CL	3.0	4.0	fin + Clay				
42	3.0	9.7		Mudstone				
	9.7	10.3		coal				
	10.3	21.6		Mudstone				
	21.6	22.5		coal				
	22.5	41.6		Mudstone				
	41.6	43.7		coal				
	43.7	45.5		Mudstone				
	45.5	46.4		coal				
	46.4	48.0		Mudstone				
S25	CL	3.0	4.0	fin + Clay				
	3.0	12.1		Mudstone				
	12.1	13.1		coal				
	13.1	24.3		Mudstone				
	24.3	25.5		coal				
	25.5	27.0		Mudstone				
V33	CL	3.0	4.0	fin + Clay				
	3.0	10.3		Mudstone				
	10.3	11.8		coal				
	11.8	23.3		Mudstone				
	23.3	24.0		coal				
	24.0	43.0		Mudstone				
	43.0	44.6		coal				
	44.6	46.2		Mudstone				
	46.2	47.5		coal				
	47.5	49.0		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	FR. 15/17/22	DRILLER	L. Howdorn
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :		% LEL	H ₂ S : PPM
	CO :		PPM	O ₂ : <u>20.9</u> %
	NOTES:			
				R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2.	DAY / DATE	Mon 18/7/22	DRILLER	L. Howdorth
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA	0	3.0	4.0	fin + Clay				
42	3.0	9.7		Mudstone				
	9.7	12.0		Broken gravel, lost flush				
	12.0	50.0		firm drilling.				
AA	0	3.5	4.0	fin + Clay				
31	3.5	11.5		Mudstone				
	11.5	15.2		Broken gravel, lost flush				
	15.2	30.0		firm drilling				
AB	0	3.5	4.0	fin + Clay				
29	3.5	16.6		Mudstone				
	16.6	17.8		coal				
	17.8	28.0		Mudstone				
	28.0	28.7		coal				
	28.7	30.0		Mudstone				
AA	0	3.5	4.0	fin + Clay				
27	3.5	17.5		Mudstone				
	17.5	18.5		coal				
	18.5	28.9		Mudstone				
	28.9	29.6		coal				
	29.6	31.0		Mudstone				

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DAILY SITE RECORD

T_2

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Mon 18 / 7 / 22	DRILLER	L. Howdorth
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U42	CL	3.0	4.0	fin + Clay				
	3.0	4.0		Coal				
	4.0	15.0		Mudstone				
	15.0	15.9		Coal				
	15.9	35.8		Mudstone				
	35.8	37.3		Coal				
	37.3	39.2		Mudstone				
	39.2	40.7		Coal				
	40.7	42.0		Mudstone				
U44	CL	3.0	4.0	fin + Clay				
	3.0	3.5		Coal				
	3.5	14.6		Mudstone				
	14.6	15.2		Coal				
	15.2	35.5		Mudstone				
	35.5	36.8		Coal				
	36.8	38.6		Mudstone				
	38.6	40.0		Coal				
	40.0	41.0		Mudstone				
V43	CL	3.0	4.0	fin + Clay				
	3.0	4.1		Coal				
	4.1	15.5		Mudstone				
	15.5	16.3		Coal				
	16.3	36.6		Mudstone				
	36.6	37.9		Coal				
	37.9	39.5		Mudstone				
	39.5	41.4		Coal				
	41.4	43.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 18-7-2022	DRILLER	M. Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W49	GL	2.5	3m	FILL/CLAY				
	2.5	11-		MUDSTONE				
	11-	12-		Coal				
	12-	32-		MUDSTONE				
	32-	33-		Coal				
	33-	35.5		MUDSTONE				
	35.5	37.5		Coal				
	37.5	40		MUDSTONE				
W49	GL	2.7	3m	FILL/CLAY				
	2.7	12.5		MUDSTONE				
	12.5	13.5		Coal				
	13.5	33.5		MUDSTONE				
	33.5	35-		Coal				
	35-	37-		MUDSTONE				
	37-	38.3		Coal				
	38.3	40-		MUDSTONE				
V48	GL	2.7	3m	FILL/CLAY				
	2.7	12.5		MUDSTONE				
	12.5	13.5		Coal				
	13.5	33.3		MUDSTONE				
	33.3	34.8		Coal				
	34.8	35.8		MUDSTONE				
	35.8	38-3		Coal				
	38-3	40-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	Monday 18-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X48								
	GL	2.5		FILL/CLAY				
	2.5	13-	3m	MUDSTONE				
	13-	14.3		CONCL				
	14.3	34-		MUDSTONE				
	34-	35.5		CONCL				
	35.5	36.5		MUDSTONE				
	36.5	38.5		CONCL				
	38.5	40-		MUDSTONE				
W51								
	GL	2.5		FILL/CLAY				
	2.5	11-	3m	MUDSTONE				
	11-	12-		CONCL				
	12-	32.5		MUDSTONE				
	32.5	34-		SLIGHTLY BROKEN GROUND LOST FULSH				
	34-	40		FIRM DRILLING				
W53								
	GL	2.2		FILL/CLAY				
	2.2	9-	3m	MUDSTONE				
	9-	10-		CONCL				
	10-	29.5		MUDSTONE				
	29.5	33-		SLIGHTLY BROKEN GROUND LOST FULSH				
	33-	40		FIRM DRILLING				

REMARKS:	GAS MONITORING
	CH ₄ : % LEL H ₂ S : PPM
	CO : PPM O ₂ : %
	NOTES:
..... R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B, SHEET 2	DAY / DATE	MONDAY 18-7-2022	DRILLER	W. SMITH
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[illegible]

REMARKS:	GAS MONITORING
CHANGED DAMAGED FLUSHING SEALS	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20-9 %
	NOTES:
..... R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 40	0	2.5	2-	fill + clay				
	2.5	11.7		Mudstone				
	11.7	12.8		Coal				
	12.8	14.8		Mudstone				
	14.8	15.8		Coal, black mudstone				
	15.8	33.5		Mudstone				
	33.5	34.7		Coal				
	34.7	36.6		Mudstone				
	36.6	37.6		Coal				
	37.6	39-		Mudstone				
L 39	0	2.4	2-	fill + clay				
	2.4	11.9		Mudstone				
	11.9	12.9		Coal				
	12.9	14.9		Mudstone				
	14.9	15.8		Coal, black mudstone				
	15.8	33.2		Mudstone				
	33.2	37.7		Weak, lost flush				
	37.7	38.3		Firm				
	38.3	40-		Mudstone flush returned				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 	
..... R.E./SUPERVISOR		

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 38	0	2.5	2-	fill + clay				
	2.5	12.8		mudstone				
	12.8	14-		Coal				
	14-	15.5		Mudstone				
	15.5	16.5		Coal, black mudstone				
	16.5	32.4		mudstone				
	32.4	34.9		Weak, lost flush				
	34.9	38.9		Firm				
	38.9	41-		Mudstone flush returned				
K 49	0	2-	2-	fill + clay				
	2-	5-		Mudstone				
	5-	6-		Coal				
	6-	27.4		Mudstone				
	27.4	28.4		Coal				
	28.4	31.3		Mudstone				
	31.3	32.5		Coal				
	32.5	35-		Mudstone				
M 49	0	2-	2-	fill + clay				
	2-	6.2		Mudstone				
	6.2	7.2		Coal				
	7.2	28-		Mudstone				
	28-	33-		Slightly brone, firm in places, lost flush				
	33-	35-		Firm				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	18/7/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 51	0	2-	2-	fill + clay				
	2-	3.5		mudstone				
	3.5	4.5		Coal				
	4.5	27-		mudstone				
	27-	28-		Coal				
	28-	30.2		mudstone				
	30.2	31.4		Coal				
	31.4	34-		mudstone				
M 51	0	2-	2-	fill + clay				
	2-	5-		mudstone				
	5-	6-		Coal				
	6-	26-		mudstone				
	26-	32-		Slightly broke, firm in places, lost flush				
	32-	34-		firm				
N 48	0	2-	2-	fill + clay				
	2-	6.6		mudstone				
	6.6	7.6		Coal				
	7.6	28.2		mudstone				
	28.2	33.3		weak drilling, lost flush				
	33.3	34.7		firm				
	34.7	36-		mudstone, flush returned				

[illegible][illegible]

DAILY SITE RECORD

[illegible][illegible]

SITE / JOB No.	lickers lanes Site B sheet 2	DAY / DATE	Tue 14/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N 50	U	2-	2-	fill + clay				
	2-	5.3		Mudstone				
	5.3	6.3		Coal				
	6.3	29.6		Mudstone				
	29.6	30.7		Coal				
	30.7	32.9		Mudstone				
	32.9	34-		Coal				
	34-	36-		Mudstone				
L 50	U	2-	2-	fill + clay				
	2-	3.8		Mudstone				
	3.8	4.8		Coal				
	4.8	27.8		Mudstone				
	27.8	28.9		Coal				
	28.9	30.7		Mudstone				
	30.7	31.8		Coal				
	31.8	34-		Mudstone				
M 53	U	2-	2-	fill + clay				
	2-	3-		Mudstone				
	3-	3.8		Coal				
	3.8	25.6		Mudstone				
	25.6	31.5		Weak firmin places, lost flush				
	31.5	34-		firm				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0	PPM
	CO : 0 PPM	O ₂ :	20.9 %
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

Tel: 01902 885241

SITE / JOB NO.	lickers lane site B Sheet 2	DAY / DATE	Tue 19/7/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AK	CL	3.5	40	fin + Clay				
41	3.5	13.7		Mudstone				
	13.7	15.0		coal				
	15.0	25.4		Mudstone				
	25.4	26.0		coal				
	26.0	45.0		Mudstone				
AK	CL	3.0	40	fin + Clay				
43	3.0	12.3		Mudstone				
	12.3	13.5		coal				
	13.5	24.0		Mudstone				
	24.0	24.8		coal				
	24.8	43.9		Mudstone				
	43.9	45.3		coal				
	45.3	47.6		Mudstone				
	47.6	48.5		coal				
	48.5	50.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B. Sheet 2.	DAY / DATE	Tue 19 / 7 / 22	DRILLER	L. Howdorne
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
NOTES:		
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X54								
	GL	2.2		FILL/CLAY				
	2.2	9-	3m	MUDSTONE				
	9-	10-		COAL				
	10-	30.5		MUDSTONE				
	30.5	31.5		COAL				
	31.5	34-		MUDSTONE				
	34-	36-		SLIGHTLY BROKEN GROUND LOST FILL SH				
	36-	37-		FIRM DRILLING				
X56								
	GL	2-		FILL/CLAY				
	2-	7-	3m	MUDSTONE				
	7-	8.3		COAL				
	8.3	29.3		MUDSTONE				
	29.3	31.3		COAL				
	31.3	33.3		MUDSTONE				
	33.3	34.5		COAL				
	34.5	36-		MUDSTONE				
Y57								
	GL	2.2		FILL/CLAY				
	2.2	6.8	3m	MUDSTONE				
	6.8	8.3		COAL				
	8.3	28-		MUDSTONE				
	28-	34.5		SLIGHTLY BROKEN GROUND LOST FILL SH				
	34.5	36-		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	TUESDAY 19-7-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Wed 20/7/22	DRILLER	L. Handorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AJ	0	3.0	4.0	fin + Clay				
42	3.0	12.5		Mudstone				
	12.5	13.4		coal				
	13.4	24.2		Mudstone				
	24.2	24.7		coal				
	24.7	43.4		Mudstone				
	43.4	44.9		coal				
	44.9	47.1		Mudstone				
	47.1	48.0		coal				
	48.0	49.0		Mudstone				
AH	0	3.0	4.0	fin + Clay				
44	3.0	9.6		Mudstone				
	9.6	10.8		coal				
	10.8	21.7		Mudstone				
	21.7	22.5		coal				
	22.5	42.0		Mudstone				
	42.0	43.5		coal				
	43.5	46.0		Mudstone				
	46.0	46.6		coal				
	46.6	48.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB NO.	Lickers here, Site B, Sheet 2	DAY / DATE	Wed 20/7/22	DRILLER	L. Howelborne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AT	0	3.0	4.0	fm + Clay				
44	3.0	11.0		Mudstone				
	11.0	12.0		coal				
	12.0	22.5		Mudstone				
	22.5	23.4		coal				
	23.4	43.5		Mudstone				
	43.5	44.9		coal				
	44.9	46.8		Mudstone				
	46.8	47.8		coal				
	47.8	49.0		Mudstone				
AG	0	3.0	4.0	fm + Clay				
45	3.0	8.0		Mudstone				
	8.0	9.3		coal				
	9.3	20.5		Mudstone				
	20.5	21.2		coal				
	21.2	40.5		Mudstone				
	40.5	41.7		coal				
	41.7	44.5		Mudstone				
	44.5	45.4		coal				
	45.4	47.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Wed 20/7/22	DRILLER	L. Howison
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG	CL	3.0	4.0	fin + Clay				
47	3.0	7.2		Mudstone				
	7.2	8.5		coal				
	8.5	19.4		Mudstone				
	19.4	20.0		coal				
	20.0	39.0		Mudstone				
	39.0	41.0		coal				
	41.0	43.0		Mudstone				
	43.0	44.2		coal				
	44.2	46.0		Mudstone				
AF	CL	3.0	4.0	fin + Clay				
46	3.0	7.2		Mudstone				
	7.2	8.5		coal				
	8.5	19.0		Mudstone				
	19.0	19.9		coal				
	19.9	38.8		Mudstone				
	38.8	40.7		coal				
	40.7	42.5		Mudstone				
	42.5	43.7		coal				
	43.7	45.0		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM	
	CO : 0 PPM	O ₂ : 20.9 %	
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickert Lane, Site B, Sheet 2	DAY / DATE	Wed 20/7/22	DRILLER	L. Howdorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AM	CL	3.0	4.0	fill + Clay				
46	3.0	8.6		Mudstone				
	8.6	9.5		coal				
	9.5	20.5		Mudstone				
	20.5	21.3		coal				
	21.3	40.7		Mudstone				
	40.7	41.9		coal				
	41.9	44.6		Mudstone				
	44.6	45.5		coal				
	45.5	47.0		Mudstone				
AM	CL	3.0	4.0	fill + Clay				
37	3.0	4.7		Mudstone				
	4.7	6.0		coal				
	6.0	16.0		Mudstone				
	16.0	17.5		coal				
	17.5	27.8		Mudstone				
	27.8	28.6		coal				
	28.6	30.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 21.0 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane Site B Sheet 2	DAY / DATE	wed 20/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				probing around M55				
M55	U	30-		Soft drilling "still going"				
1	U	30-		Soft drilling "still going"				
2	U	30		Soft drilling "still going"				
3	U 2-	2- 3-		Soft drilling firm drilling				
4	U 2-	2- 3-		Soft drilling firm drilling				

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DAILY SITE RECORD

TS[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	wed 20/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 46	0	2-	2-	fill + clay				
	2-	7.5		Mudstone				
	7.5	8.5		Coal				
	8.5	10.1		Mudstone				
	10.1	10.4		Coal black Mudstone				
	10.4	29.2		Mudstone				
	29.2	30.4		Coal				
	30.4	33.2		Mudstone				
	33.2	34.5		Coal				
	34.5	38-		Mudstone				
N 55	0	2-	2-	fill + clay, coal traces				
	2-	24-		Mudstone				
	24-	25.3		Coal				
	25.3	27.5		Mudstone				
	27.5	28.8		Coal				
	28.8	31-		Mudstone				
N 54	0	2-	2-	fill + clay				
	2-	2.6		Coal				
	2.6	25.3		Mudstone				
	25.3	26.3		Coal				
	26.3	28.6		Mudstone				
	28.6	29.4		Coal				
	29.4	32-		Mudstone				

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TsTs[illegible]

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	wed 20/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S	0	2-	2-	fin + clay				
53	2-	6.7		mudstone				
	6.7	7.7		Coal				
	7.7	29.5		mudstone				
	29.5	34.1		weak, lost flush				
	34.1	37-		firm				
U	0	2-	2-	fin + clay				
53	2-	8-		mudstone				
	8-	9-		Coal				
	9-	24-		mudstone				
	24-	35.2		weak firm in places, lost flush				
	35.2	38-		firm				
S	0	2-	2-	fin + clay				
55	2-	5.3		mudstone				
	5.3	6.3		Coal				
	6.3	28.5		mudstone				
	28.5	29.5		Coal				
	29.5	32-		mudstone				
	32-	33.3		Coal				
	33.3	36-		mudstone				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKER LAKE SITE B, SHEET 2	DAY / DATE	WEDNESDAY 20-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y53								
	GL	2.2		FILL/CLAY				
	2.2	10.2	3m	MUDSTONE				
	10.2	11.2		COAL				
	11.2	32-		MUDSTONE				
	32-	33.3		COAL				
	33.3	35.5		MUDSTONE				
	35.5	37-		COAL				
	37-	38		MUDSTONE				
Z56								
	GL	2.2		FILL/CLAY				
	2.2	8-	3m	MUDSTONE				
	8-	9.4		COAL				
	9.4	30.5		MUDSTONE				
	30.5	32-		COAL				
	32-	33.5		MUDSTONE				
	33.5	36-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	36	37-		FIRM DRILLING				
Z54								
	GL	2.2		FILL/CLAY				
	2.2	9.7	3m	MUDSTONE				
	9.7	11-		COAL				
	11-	30-		MUDSTONE				
	30-	31-		COAL				
	31-	35-		MUDSTONE				
	35-	36.5		WEAK DRILLING LOST FLUSH				
	36.5	38-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
		R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LAKE SITE B SHEET 2	DAY / DATE	WEDNESDAY 20-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA								
57	GL	2.3		FILL/CLAY				
	2.3	8-	3m	MUDSTONE				
	8-	9.3		COAL				
	9.3	31-		MUDSTONE				
	31-	36.5		WEAK DRILLING POOR COAL MUDSTONE RETURN				
	36.5	38-		MUDSTONE				
AA								
55	GL	2.2		FILL/CLAY				
	2.2	9.5	3m	MUDSTONE				
	9.5	10.5		COAL				
	10.5	33-		MUDSTONE				
	33-	34-		COAL				
	34-	35-		MUDSTONE				
	35-	36.7		COAL				
	36.7	38		MUDSTONE				
AA								
53	GL	3-		FILL/CLAY				
	3-	10.5	4m	MUDSTONE				
	10.5	12-		COAL				
	12-	32.5		MUDSTONE				
	32.5	34.5		WEAK DRILLING POOR COAL RETURN				
	34.5	36.5		MUDSTONE				
	36.5	37.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	37.5	39-		FIRM DRILLING				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		
	R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 2	DAY / DATE	WEDNESDAY 20-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA 51	GL	2.5		FILL/CLAY				
	2.5	12.2	3m	MUDSTONE				
	12.2	13.5		COAL				
	13.5	33.5		MUDSTONE				
	33.5	34.5		COAL				
	34.5	37.3		MUDSTONE				
	37.3	38.5		COAL				
	38.5	40-		MUDSTONE				
AB 52	GL	2.3		FILL/CLAY				
	2.3	12.2	3m	MUDSTONE				
	12.2	13.3		COAL				
	13.3	33.8		MUDSTONE				
	33.8	35-		COAL				
	35-	37.5		MUDSTONE				
	37.5	39-		COAL				
	39-	40-		MUDSTONE				
AC 55	GL	2.4		FILL/CLAY				
	2.4	10.5	3m	MUDSTONE				
	10.5	11.5		COAL				
	11.5	32.5		MUDSTONE				
	32.5	34-		COAL				
	34-	36-		MUDSTONE				
	36-	37.5		SLIGHTLY BROKEN GROUND LAST FLUSH				
	37.5	39-		FIRM DRILLING				

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 2	DAY / DATE	WEDNESDAY 20-7-2022	DRILLER	M SMITH
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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	Thu 21/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U 55	U	2-	2-	Fill + clay				
	2-	6.7		mudstone				
	6.7	7.7		Coal				
	7.7	30.3		mudstone				
	30.3	31.2		Coal				
	31.2	32.8		mudstone				
	32.8	34-		Coal				
	34-	36-		mudstone				
V 54	U	2-	2-	Fill + clay				
	2-	7.5		mudstone				
	7.5	8.5		Coal				
	8.5	31-		mudstone				
	31-	32-		Coal				
	32-	33.4		mudstone				
	33.4	34.5		Coal				
	34.5	37-		mudstone				
T 54	U	2-	2-	Fill + clay				
	2-	7-		mudstone				
	7-	7.9		Coal				
	7.9	29-		mudstone				
	29-	30.1		Coal				
	30.1	32.8		mudstone				
	32.8	33.8		Coal				
	33.8	36-		mudstone				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane Sheet 2	SITE B	DAY / DATE	Thu 21/7/22	DRILLER	D. Holdnall
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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Thu 21/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AK	0	2.8	2-	fill + clay				
55	2.8	4-		Mudstone				
	4-	5-		Coal				
	5-	14.5		mudstone				
	14.5	15.5		Coal				
	15.5	36.5		mudstone				
	36.5	37.5		Coal				
	37.5	39.5		mudstone				
	39.5	40.7		Coal				
	40.7	43-		mudstone				
AI	0	2.7	2-	fill + clay				
51	2.7	5.6		mudstone				
	5.6	6.7		Coal				
	6.7	16.6		mudstone				
	16.6	17.6		Coal				
	17.6	38-		mudstone				
	38-	39.2		Coal				
	39.2	41.3		mudstone				
	41.3	42.4		Coal				
	42.4	45-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
NOTES:		
		R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	Thu 21/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AI	U	2.8	2-	Fill + clay				
53	2.8	4-		mudstone				
	4-	5.3		Coal				
	5.3	15.5		mudstone				
	15.5	16.5		Coal				
	16.5	37.2		mudstone				
	37.2	38.4		Coal				
	38.4	40.1		mudstone				
	40.1	41.3		Coal				
	41.3	44-		mudstone				
AI	U	3-	2-	Fill + clay				
55	3-	4-		Coal				
	4-	14.2		mudstone				
	14.2	15.2		Coal				
	15.2	36.5		mudstone				
	36.5	37.5		Coal				
	37.5	39.5		mudstone				
	39.5	40.6		Coal				
	40.6	43-		mudstone				

REMARKS:	GAS MONITORING	
	$\text{CH}_4 :$	% LEL
	$\text{H}_2\text{S} :$	PPM
	$\text{CO} :$	PPM
	$\text{O}_2 :$	%
	NOTES:	
R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickert Lane, Site B, Sheet 2	DAY / DATE	Thurs 21 / 7 / 22	DRILLER	L. Handerson
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[illegible]

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

SITE / JOB NO.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Thurs 21 / 7 / 22	DRILLER	L. Haddon
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB	0	3.5	4.0	fin + Clay				
31	3.5	14.0		Mudstone				
	14.0	15.5		coal + Galt return.				
	15.5	26.0		Mudstone				
	26.0	26.9		coal				
	26.9	29.0		Mudstone				
AL	0	3.0	4.0	fin + Clay				
38	3.0	5.0		Mudstone				
	5.0	6.0		Weak drilling, lost flush				
	6.0	30.0		firm drilling				
AM	0	3.0	4.0	fin + Clay				
40	3.0	4.5		Mudstone				
	4.5	5.5		coal				
	5.5	13.5		Mudstone				
	13.5	17.2		Broken ground, lost flush				
	17.2	30.0		firm drilling				

REMARKS:	GAS MONITORING	
	CH ₄ : % LEL	H ₂ S : PPM
	CO : PPM	O ₂ : %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site 8, Sheet 2.	DAY / DATE	Thurs 21 / 7 / 22	DRILLER	L. Hammond
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[illegible]

REMARKS:	GAS MONITORING	
	CH_4 : ☐ % LEL	H_2S : ☐ PPM
	CO : ☐ PPM	O_2 : 20.0 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

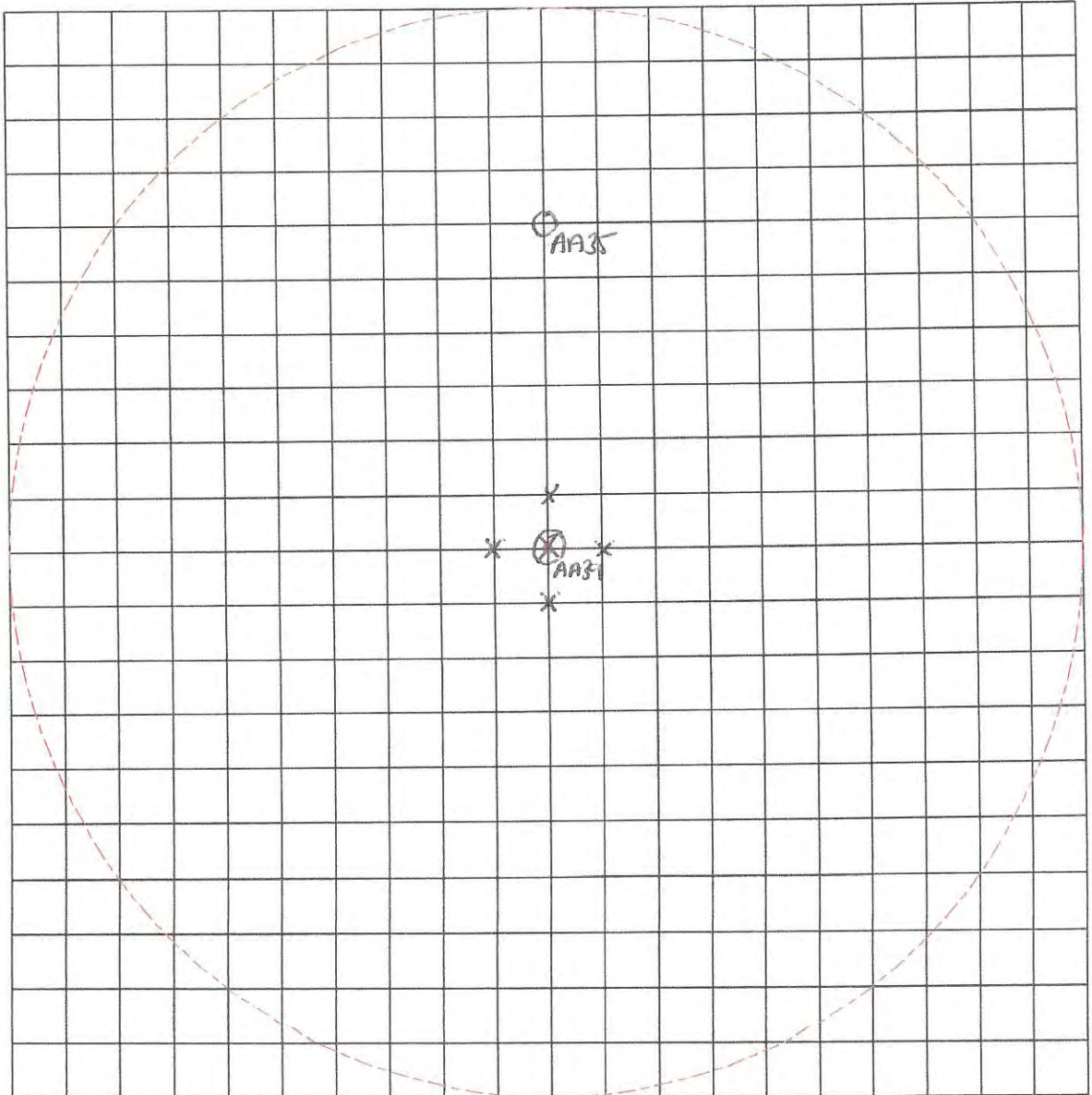
5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF OC 1.1/5A

Groat compound

5CM



X Shaft Position.

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By
Lee Hawthorne.Scale
1:125Job Title
Lickers Lane, Site B,
Sheet 2.Date
21/7/22

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	THURSDAY 21-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC								
51	GL	2.5		FILL/CLAY/COAL				
	2.5	13.5	3m	MUDSTONE				
	13.5	14.5		COAL				
	14.5	35-		MUDSTONE				
	35-	36.5		COAL				
	36.5	38.5		MUDSTONE				
	38.5	39.5		COAL				
	39.5	41-		MUDSTONE				
AD								
56	GL	3-		FILL/CLAY/COAL TRACES				
	3-	10.5	4m	MUDSTONE				
	10.5	11.5		COAL				
	11.5	33-		MUDSTONE				
	33-	34.5		COAL				
	34.5	36-		MUDSTONE				
	36-	37.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	37.5	39-		FIRM DRILLING				
AD								
54	GL	2.7		FILL/CLAY/COAL TRACES				
	2.7	12.2	3m	MUDSTONE				
	12.2	13-		COAL				
	13-	35		MUDSTONE				
	35-	38.5		WEAK DRILLING, Poor COAL/MUDSTONE RETURN				
	38.5	40-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LAKE SITE B SHEET 2	DAY / DATE	THURSDAY 21-7-2022	DRILLER	M SMITH
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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Fri 22 / 7 / 22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AL	CL	3.5	4.0	fill + Clay				
42	3.5	12.5		Mudstone				
	12.5	15.0		Broken ground, lost flush				
	15.0	45.0		firm drilling.				
AM	CL	3.0	4.0	fill + Clay				
44	3.0	12.8		Mudstone				
	12.8	14.0		coar				
	14.0	24.0		Mudstone				
	24.0	24.8		coar				
	24.8	43.0		Mudstone				
	43.0	43.8		coar				
	43.8	45.2		Mudstone				
	45.2	46.0		coar				
	46.0	47.0		Mudstone				
AL	CL	3.0	4.0	fill + Clay				
46	3.0	10.8		Mudstone				
	10.8	12.0		coar				
	12.0	22.0		Mudstone				
	22.0	23.0		coar				
	23.0	41.2		Mudstone				
	41.2	42.5		coar				
	42.5	43.7		Mudstone				
	43.7	44.6		coar				
	44.6	46.0		Mudstone				

REMARKS:	GAS MONITORING					
X Heavy Rain All day.	CH ₄ :	0	% LEL	H ₂ S :	0	PPM
	CO :	0	PPM	O ₂ :	20.9	%
	NOTES:					
..... R.E./SUPERVISOR						

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet	DAY / DATE	Fri 22/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AJ	0	3.2	2-	fill + clay				
56	3.2	3.7		Coal				
	3.7	14-		Mudstone				
	14-	15-		Coal				
	15-	36-		Mudstone				
	36-	36.9		Coal				
	36.9	39.3		Mudstone				
	39.3	40.5		Coal				
	40.5	43-		Mudstone				
AJ	0	3.1	2-	fill + clay				
54	3.1	3.8		Mudstone				
	3.8	5.1		Coal				
	5.1	15-		Mudstone				
	15-	16-		Coal				
	16-	37.1		Mudstone				
	37.1	38.1		Coal				
	38.1	40-		Mudstone				
	40-	41.2		Coal				
	41.2	44-		Mudstone				

REMARKS:	GAS MONITORING		
* Heavy rain	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20.9 %	
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers lane, site B Sheet 2	DAY / DATE	Fri 22/7/22	DRILLER	D. Holdnall
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SITE / JOB NO.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Mon 25/7/22	DRILLER	L. Howdorn
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REMARKS:	GAS MONITORING	
	$\text{CH}_4 :$ 0 % LEL	$\text{H}_2\text{S} :$ 0 PPM
	$\text{CO} :$ 0 PPM	$\text{O}_2 : 20.9 \quad \% $
	NOTES:	
		 R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 2	DAY / DATE	Mon 25/7/22	DRILLER	L Howlance
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AM	CL	3.0	4.0	fill + Clay				
52	3.0	7.1		Mudstone				
	7.1	8.4		Coal				
	8.4	18.0		Mudstone				
	18.0	19.4		Coal				
	19.4	39.3		Mudstone				
	39.3	40.9		Coal				
	40.9	43.0		Mudstone				
	43.0	43.5		Coal				
	43.5	45.0		Mudstone				
AL	CL	3.0	4.0	fill + Clay				
54	3.0	5.0		Mudstone				
	5.0	5.9		Coal				
	5.9	15.5		Mudstone				
	15.5	16.8		Coal				
	16.8	35.0		Mudstone				
	35.0	39.4		Coal				
	39.4	41.3		Mudstone				
	41.3	41.9		Coal				
	41.9	43.0		Mudstone				

REMARKS:	GAS MONITORING			
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM		
	CO : 0 PPM	O ₂ : 20.9 %		
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AM	CL	3.5	4.0	fill + Clay				
56	3.5	5.5		Coar				
	5.5	15.0		Mudstone				
	15.0	15.8		Coar				
	15.8	36.7		Mudstone				
	36.7	38.0		Coar				
	38.0	39.9		Mudstone				
	39.9	41.5		Coar				
	41.5	43.0		Mudstone				
AL	CL	3.0	4.0	fill + Clay				
58	3.0	4.0		Coar				
	4.0	13.5		Mudstone				
	13.5	14.5		Coar				
	14.5	36.0		Mudstone				
	36.0	37.2		Coar				
	37.2	39.0		Mudstone				
	39.0	40.0		Coar				
	40.0	41.0		Mudstone				
AM	CL	3.0	4.0	fill + Clay				
59	3.0	3.6		Coar				
	3.6	13.0		Mudstone				
	13.0	14.4		Coar				
	14.4	35.7		Mudstone				
	35.7	36.9		Coar				
	36.9	38.7		Mudstone				
	38.7	39.6		Coar				
	39.6	41.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B. Sheet 2.	DAY / DATE	Mon 25/7/22	DRILLER	L. Howdson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AL	CL	3.0	4.0	fill + Clay				
4.0	3.0	3.7		Mudstone				
	3.7	4.6		Coal				
	4.6	15.0		Mudstone				
	15.0	16.2		Coal				
	16.2	26.0		Mudstone				
	26.0	26.9		Coal				
	26.9	28.0		Mudstone				
AB	CL	3.0	4.0	fill + Clay				
35	3.0	12.0		Mudstone				
	12.0	12.8		Coal				
	12.8	24.0		Mudstone				
	24.0	24.9		Coal				
	24.9	44.1		Mudstone				
	44.1	45.3		Coal				
	45.3	47.0		Mudstone				
	47.0	48.0		Coal				
	48.0	49.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2.	DAY / DATE	Mon 25/7/22	DRILLER	L. Hawthorne
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
	R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane	Site B Sheet 2	DAY / DATE	mon 25/1/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG 51	0	2.7	2-	Fill + clay				
	2.7	4-		mudstone				
	4-	5.7		Slightly broke, lost flush				
	5.7	44-		firm				
AG 53	0	3-	2-	Fill + clay				
	3-	4-		Coal				
	4-	14.3		mudstone				
	14.3	15.3		Coal				
	15.3	36.8		mudstone				
	36.8	37.8		Coal				
	37.8	39.8		mudstone				
	39.8	41-		Coal				
	41-	43-		mudstone				
AG 55	0	2.8	2-	Fill + clay, coal traces				
	2.8	12.8		mudstone				
	12.8	13.8		Coal				
	13.8	35.5		mudstone				
	35.5	36.5		Coal				
	36.5	38.8		mudstone				
	38.8	40.1		Coal				
	40.1	43-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Mon 25/7/22	DRILLER	D. Holdnall
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 2	DAY / DATE	Mon 25/7/22	DRILLER	D Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AH 54	0	2.8	2-	Fill + clay				
	2.8	3.5		Coal				
	3.5	36.2		Mudstone				
	36.2	37.2		Coal				
	37.2	39.6		Mudstone				
	39.6	40.6		Coal				
	40.6	43-		Mudstone				
AG 60	0	2.2	2-	Fill + clay				
	2.2	9-		Mudstone				
	9-	10-		Coal				
	10-	30-		Mudstone				
	30-	31-		Coal				
	31-	34.2		Mudstone				
	34.2	35.4		Coal				
	35.4	38-		Mudstone				
AI 59	0	2.7	2-	Fill + clay				
	2.7	10.8		Mudstone				
	10.8	11.8		Coal				
	11.8	33-		Mudstone				
	33-	34-		Coal				
	34-	36.6		Mudstone				
	36.6	37.6		Coal				
	37.6	40-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

..... R.E./SUPERVISOR

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 25-7-2022	DRILLER	M. SMITH
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	<u>0</u>	% LEL	H ₂ S : <u>0</u> PPM
	CO :	<u>0</u>	PPM	O ₂ : <u>20.9</u> %
NOTES:				
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	Monday 25-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AE								
55	GL	2.5		FILL/CLAY				
	2.5	11.5	3m	MUDSTONE				
	11.5	12.5		COAL				
	12.5	34-		MUDSTONE				
	34-	38.5		WEAK DRILLING POOR COAL/MUDSTONE RETURNS				
	38.5	40-		MUDSTONE				
AE								
53	GL	2.4		FILL/CLAY				
	2.4	2.8		COAL				
	2.8	13.3	3m	MUDSTONE				
	13.3	14.3		COAL				
	14.3	36-		MUDSTONE				
	36-	36.6		COAL				
	36.6	38-		MUDSTONE				
	38	39.5		WEAK DRILLING POOR COAL RETURNS				
	39.5	41-		FIRM DRILLING				
AF								
56	GL	2.4		FILL/CLAY				
	2.4	11.5	3m	MUDSTONE				
	11.5	12.5		COAL				
	12.5	34-		MUDSTONE				
	34-	35.5		COAL				
	35.5	36-		MUDSTONE				
	36-	38.5		SLIGHTLY BROKEN GROUND LAST FLUSH				
	38.5	40-		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	WICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 25-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF 54	GL	2.3		FILL/CLAY				
	2.3	2.7		COAL				
	2.7	12.7	3m	MUDSTONE				
	12.7	14-		COAL				
	14-	36-		MUDSTONE				
	36-	37-		COAL				
	37-	38-		MUDSTONE				
	38-	40.5		COAL				
	40.5	42		MUDSTONE				
AF 52	GL	2.7		FILL/CLAY				
	2.7	3.5	3m	COAL				
	3.5	14.3		MUDSTONE				
	14.3	15.5		COAL				
	15.5	37-		MUDSTONE				
	37-	37.5		COAL				
	37.5	39.5		MUDSTONE				
	39.5	40.3		COAL				
	40.3	42-		MUDSTONE				
AD 60	GL	2.8		FILL/CLAY				
	2.8	6.5	3m	MUDSTONE				
	6.5	7.5		COAL				
	7.5	30.5		MUDSTONE				
	30.5	35.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	35.5	37-		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	MONDAY 25-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC								
58	GL	1.8		FILL/CLAY				
	1.8	7.5	2m	MUDSTONE				
	7.5	9.5		COAL				
	9.5	31.5		MUDSTONE				
	31.5	33.5		COAL				
	33.5	35.5		MUDSTONE				
	35.5	36.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	36.5	38-		FIRM DRILLING				
AA								
59	GL	1.8		FILL/CLAY				
	1.8	6.5	2m	MUDSTONE				
	6.5	7.5		COAL				
	7.5	28.5		MUDSTONE				
	28.5	29.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	29.5	30.5		FIRM DRILLING				
	30.5	32.5		WEAK DRILLING				
	32.5	34-		FIRM DRILLING				
Y58								
	GL	2-		FILL/CLAY				
	2-	5.5	3m	MUDSTONE				
	5.5	6.5		COAL				
	6.5	26-		MUDSTONE				
	26-	28-		COAL				
	28-	30.5		MUDSTONE				
	30.5	32-		COAL				
	32-	33-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 2	DAY / DATE	Monday 25.7.2022	DRILLER	M Smith
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ : 0 % LEL		H ₂ S : 0 PPM	
	CO : 0 PPM		O ₂ : 20.9 %	
	NOTES:			
	 R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA 34	CL	3.0	4.0	fill + Clay				
	3.0	11.7		Mudstone				
	11.7	12.7		Cocci				
	12.7	24.6		Mudstone				
	24.6	25.6		Cocci				
	25.6	45.0		Mudstone				
AA 36	CL	3.0	4.0	fill + Clay				
	3.0	10.7		Mudstone				
	10.7	11.9		Weak drilling, Poor return				
	11.9	23.0		Mudstone				
	23.0	23.8		Cocci				
	23.8	42.9		Mudstone				
	42.9	44.2		Cocci				
	44.3	46.2		Mudstone				
	46.2	47.4		Cocci				
	47.4	49.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C7	CL	3.0	4.0	fill + Clay				
	3.0	6.0		Mudstone				
	6.0	7.0		coal				
	7.0	16.2		Mudstone				
	16.2	16.9		coal				
	16.9	28.0		Mudstone				
	28.0	28.8		coal				
	28.8	30.0		Mudstone				
E7	CL	3.0	4.0	fill + Clay				
	3.0	7.8		Mudstone				
	7.8	8.5		coal				
	8.5	17.8		Mudstone				
	17.8	19.5		break drilling, Poor return				
	19.5	29.7		Mudstone				
	29.7	30.4		coal				
	30.4	32.0		Mudstone				
G7	CL	3.5	4.0	fill + Clay				
	3.5	9.2		Mudstone				
	9.2	9.9		coal				
	9.9	19.7		Mudstone				
	19.7	20.9		coal				
	20.9	30.5		Mudstone				
	30.5	31.4		coal				
	31.4	33.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Core, Site B, Sheet SA	DAY / DATE	Tue 26/7/22	DRILLER	L. Haines
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I7	0	8.5	4.0	fill + Clay				
	3.5	10.0		Mudstone				
	10.0	11.1		coal				
	11.1	20.8		Mudstone				
	20.8	22.0		coal				
	22.0	31.4		Mudstone				
	31.4	32.5		coal				
	32.5	34.0		Mudstone				
K7	0	4.0	6.0	fill + Clay				
	4.0	11.9		Mudstone				
	11.9	12.9		coal				
	12.9	22.3		Mudstone				
	22.3	23.7		coal				
	23.7	32.1		Mudstone				
	32.1	33.0		coal				
	33.0	34.0		Mudstone				
K9	0	4.0	6.0	fill + Clay				
	4.0	10.3		Mudstone				
	10.3	11.5		coal				
	11.5	20.8		Mudstone				
	20.8	22.1		coal				
	22.1	30.9		Mudstone				
	30.9	31.6		coal				
	31.6	33.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet SA	DAY / DATE	Tue 26/7/22	DRILLER	L. Howeborn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I9	CL	4.0	4.0	fill + Clay				
	4.0	9.2		Mudstone				
	9.2	9.8		COCL				
	9.8	19.9		Mudstone				
	19.9	20.6		COCL				
	20.6	29.8		Mudstone				
	29.8	30.5		COCL				
	30.5	32.0		Mudstone				
J8	CL	4.0	4.0	fill + Clay				
	4.0	10.4		Mudstone				
	10.4	11.6		COCL				
	11.6	20.9		Mudstone				
	20.9	22.2		COCL				
	22.2	31.1		Mudstone				
	31.1	31.8		COCL				
	31.8	33.0		Mudstone				
Q9	CL	3.5	4.0	fill + Clay				
	3.5	8.2		Mudstone				
	8.2	9.0		COCL				
	9.0	17.9		Mudstone				
	17.9	19.1		Weak drilling, Poor return				
	19.1	28.7		Mudstone				
	28.7	29.7		COCL				
	29.7	31.0		Mudstone				

[illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U 54	0	2-	2-	fill + clay				
	2-	7.2		mudstone				
	7.2	8.3		Coal				
	8.3	30.7		mudstone				
	30.7	31.7		Coal				
	31.7	33.2		mudstone				
	33.2	34.3		Coal				
	34.3	37-		mudstone				
S 54	0	2-	2-	fill + clay				
	2-	5.6		mudstone				
	5.6	6.6		Coal				
	6.6	28.9		mudstone				
	28.9	30-		Coal				
	30-	32.4		mudstone				
	32.4	33.6		Coal				
	33.6	36-		mudstone				
T 53	0	2-	2-	fill + clay				
	2-	7.3		mudstone				
	7.3	8.3		Coal				
	8.3	29.4		mudstone				
	29.4	30.4		Coal				
	30.4	33.1		mudstone				
	33.1	34.1		Coal				
	34.1	37-		mudstone				

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G-53	11	23	2-	Fill + clay				
	23	24		Coal				
	24	54		mudstone				
	54	65		Coal				
	65	24-		mudstone				
	24-	25-		Coal				
	25-	276		mudstone				
	276	289		Coal				
	289	32-		mudstone				
G-49	11	22	2-	Fill + clay				
	22	37		mudstone				
	37	47		Coal				
	47	77		mudstone				
	77	89		Coal, black mudstone				
	89	252		mudstone				
	252	262		Coal				
	262	286		mudstone				
	286	301		Coal				
	301	33-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 59	0	2.3	2-	fill + clay				
	2.3	20-		mudstone				
	20-	21-		Coal				
	21-	24.4		mudstone				
	24.4	25.6		Coal				
	25.6	29-		mudstone				
I 58	0	2.3	2-	fill + clay				
	2.3	20.6		mudstone				
	20.6	21.6		Coal				
	21.6	25.9		mudstone				
	25.9	26.9		Coal				
	26.9	29-		mudstone				
H 59	0	2.3	2-	fill + clay				
	2.3	20.4		mudstone				
	20.4	21.5		Coal				
	21.5	25.7		mudstone				
	25.7	26.7		Coal				
	26.7	29-		Mudstone				

REMARKS:	GAS MONITORING		
	$\text{CH}_4 :$	O % LEL	$\text{H}_2\text{S} :$ O PPM
	$\text{CO} :$	O PPM	$\text{O}_2 :$ 20.9 %
	NOTES:		

..... R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 2	DAY / DATE	Tue 26/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S 59	0	2.4	2-	Fill + clay				
	2.4	3.5		Coal				
	3.5	28.7		mudstone				
	28.7	29.8		Coal				
	29.8	32.6		mudstone				
	32.6	33.6		Coal				
	33.6	36-		mudstone				
Q 58	0	2.2	2-	Fill + clay				
	2.2	3-		Coal				
	3-	27-		mudstone				
	27-	32.1		Slightly broke, lost flush				
	32.1	35-		Firm				
O 59	0	2.8	2-	Fill + clay, Coal traces				
	2.8	26.6		mudstone				
	26.6	27.6		Coal				
	27.6	29.4		mudstone				
	29.4	30.4		Coal				
	30.4	33-		mudstone				
M 58	0	2.4	2-	Fill + clay, Coal traces				
	2.4	24.5		mudstone				
	24.5	29.7		Slightly broke, Firm in places				
	29.7	32-		Firm				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	TUESDAY 26-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X55								
	9L	2.2		FILL/CLAY				
	2.2	7.7	3m	MUDSTONE				
	7.7	9-		COAL				
	9-	31.5		MUDSTONE				
	31.5	32.5		COAL				
	32.5	34-		MUDSTONE				
	34-	35-2		COAL				
	35-2	37-		MUDSTONE				
Y54								
	9L	2.2		FILL/CLAY				
	2.2	9.5	3m	MUDSTONE				
	9.5	10.7		COAL				
	10.7	32.2		MUDSTONE				
	32.2	33.3		COAL				
	33.3	34.5		MUDSTONE				
	34.5	36-		COAL				
	36	37-		MUDSTONE				
AD 55								
	9L	2.7		FILL/CLAY				
	2.7	11-	3m	MUDSTONE				
	11-	12.2		COAL				
	12.2	34-		MUDSTONE				
	34-	37-		WEAK DRILLING, POOR COAL RETURNS				
	37-	38-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKER LANE SITE B, SHEET 2	DAY / DATE	TUESDAY 26-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V53								
	GL	2.4		FILL/CLAY				
	2.4	8.5	3m	MUDSTONE				
	8.5	9.5		COAL				
	9.5	31-		MUDSTONE				
	31-	32-		COAL				
	32-	33-		MUDSTONE				
	33-	34-		COAL				
	34-	35-		MUDSTONE				
W54								
	GL	2.4		FILL/CLAY				
	2.4	8-	3m	MUDSTONE				
	8-	9.3		COAL				
	9.3	29.5		MUDSTONE				
	29.5	34-		WEAK DRILLING POOR COAL/MUDSTONE RETURNS				
	34-	35-		MUDSTONE				
X53								
	GL	2.2		FILL/CLAY				
	2.2	10-	3m	MUDSTONE				
	10-	11-		COAL				
	11-	31-		MUDSTONE				
	31-	32-		COAL				
	32-	34.3		MUDSTONE				
	34.3	36.3		COAL				
	36.3	38-		MUDSTONE				

REMARKS:	GAS MONITORING					
	CH ₄ :	<u>0</u>	% LEL	H ₂ S :	<u>0</u>	PPM
	CO :	<u>0</u>	PPM	O ₂ :	<u>20.9</u>	%
	NOTES:					
..... R.E./SUPERVISOR						

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 2	DAY / DATE	TUESDAY 26-7-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
	 R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 5B	DAY / DATE	TUESDAY 26-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C21								
	GL	3-		FILL/CLAY				
	3-	6.5	4m	MUDSTONE				
	6.5	7.5		SLIGHTLY BROKEN GROUND LOST FILLISH				
	7.5	43-		FIRM DRILLING				
C19								
	GL	2.8		FILL/CLAY				
	2.8	8.4	3m	MUDSTONE				
	8.4	9.5		COAL				
	9.5	19-		MUDSTONE				
	19-	19.6		COAL				
	19.6	37-		MUDSTONE				
	37-	38-		COAL				
	38-	39-		MUDSTONE				
	39-	42-		WEAK DRILLING POOR COAL RETURN				
	42	43-		MUDSTONE				
B20								
	GL	3.2		FILL/CLAY				
	3.2	6.5	4m	MUDSTONE				
	6.5	8-		SLIGHTLY BROKEN GROUND LOST FILLISH				
	8-	43-		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers lane, Site B, Sheet 2	DAY / DATE	wed 27/7/22	DRILLER	L. Howdorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AH	CL	3.0	4.0	fill + Clay				
41	3.0	12.0		Mudstone				
	12.0	13.0		COOL				
	13.0	23.8		Mudstone				
	23.8	24.7		COOL				
	24.7	43.6		Mudstone				
	43.6	45.1		COOL				
	45.1	47.2		Mudstone				
	47.2	48.0		COOL				
	48.0	49.0		Mudstone				
AG	CL	3.0	4.0	fill + Clay				
42	3.0	10.7		Mudstone				
	10.7	11.8		COOL				
	11.8	22.3		Mudstone				
	22.3	23.0		COOL				
	23.0	42.1		Mudstone				
	42.1	43.5		COOL				
	43.5	45.7		Mudstone				
	45.7	46.5		COOL				
	46.5	48.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 21.0 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Wed 27/7/22	DRILLER	L. Hawdon
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AM 43	CL	3.0	4.0	fill + Clay				
	3.0	9.5		Mudstone				
	9.5	11.7		Weak drilling, coal return.				
	11.7	22.1		Mudstone				
	22.1	23.4		coal				
	23.4	42.5		Mudstone				
	42.5	43.7		coal				
	43.7	45.9		Mudstone				
	45.9	46.7		coal				
	46.7	49.0		Mudstone				
AT 42	CL	3.0	4.0	fill + Clay				
	3.0	11.8		Mudstone				
	11.8	12.8		coal				
	12.8	24.1		Mudstone				
	24.1	25.0		coal				
	25.0	43.9		Mudstone				
	43.9	45.5		coal				
	45.5	47.6		Mudstone				
	47.6	48.3		coal				
	48.3	50.0		Mudstone				
AM 42	CL	4.0	4.0	fill + Clay				
	4.0	13.5		Mudstone				
	13.5	15.4		Weak drilling, lost flush				
	15.4	45.0		from drilling				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 21.0 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers here, Site B; Site 5A	DAY / DATE	Wed 27/7/22	DRILLER	L. Howarth
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H8	CL	4.0	6.0	fill + Clay				
	4.0	9.5		Mudstone				
	9.5	10.2		coal				
	10.2	19.6		Mudstone				
	19.6	20.4		coal				
	20.4	29.5		Mudstone				
	29.5	30.3		coal				
	30.3	32.0		Mudstone				
E9	CL	3.0	4.0	fill + Clay				
	3.0	5.5		Mudstone				
	5.5	6.8		Weak drilling, Poor coal return				
	6.8	16.3		Mudstone				
	16.3	17.8		coal				
	17.8	27.8		Mudstone				
	27.8	28.5		coal				
	28.5	30.0		Mudstone				
C9	CL	4.0	4.0	fill + Clay				
	4.0	5.0		coal				
	5.0	15.0		Mudstone				
	15.0	16.4		coal				
	16.4	26.6		Mudstone				
	26.6	27.4		coal				
	27.4	29.0		Mudstone				

[illegible][illegible]

SITE / JOB No.	Lickers Lane, site B Street SA	DAY / DATE	Wed 27/7/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D8	0	3.0	4.0	fill + Clay				
	3.0	6.3		Mudstone				
	6.3	6.9		Coal				
	6.9	16.8		Mudstone				
	16.8	17.9		Coal				
	17.9	27.9		Mudstone				
	27.9	28.7		Coal				
	28.7	30.0		Mudstone				
B8	0	3.5	4.0	fill + Clay				
	3.5	4.7		Mudstone				
	4.7	5.6		Coal				
	5.6	15.1		Mudstone				
	15.1	16.5		Coal				
	16.5	26.6		Mudstone				
	26.6	27.5		Coal				
	27.5	29.0		Mudstone				

[illegible][illegible]

SITE / JOB No.	lickers lane site B Sheet SA	DAY / DATE	27/7/22 wed	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M9	0	3.8	4-	Fill + clay				
	3.8	11.5		mudstone				
	11.5	12.5		Coal				
	12.5	21.3		mudstone				
	21.3	22.3		Coal				
	22.3	31.8		mudstone				
	31.8	33-		Coal				
	33-	35-		mudstone				
L8	0	4-	2-	Fill + clay				
	4-	10.8		mudstone				
	10.8	11.8		Coal				
	11.8	21.8		mudstone				
	21.8	23-		Coal				
	23-	33.1		mudstone				
	33.1	34.2		Coal				
	34.2	37		mudstone				
L10	0	4-	2-	Fill + clay				
	4-	10.2		mudstone				
	10.2	11.2		Coal				
	11.2	20-		mudstone				
	20-	21-		Coal				
	21-	31.1		mudstone				
	31.1	32.3		Coal				
	32.3	35-		mudstone				

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SITE / JOB No.	Lickers lane site B sheet 5A	DAY / DATE	Wed 27/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
07	0	3.8	2-	Fill + clay, Coal traces				
	3.8	14-		Mudstone				
	14-	15.2		Coal				
	15.2	23.7		Mudstone				
	23.7	25.5		Weak, lost flush				
	25.5	38-		Firm				
09	0	3.7	2-	Fill + clay				
	3.7	12.5		Mudstone				
	12.5	13.5		Coal				
	13.5	22.5		Mudstone				
	22.5	23.5		Coal				
	23.5	32.4		Mudstone				
	32.4	33.5		Coal				
	33.5	36-		Mudstone				
11	0	3.6	2-	Fill + clay				
	3.6	10.2		Mudstone				
	10.2	11.2		Coal				
	11.2	21.5		Mudstone				
	21.5	22.5		Coal				
	22.5	32-		Mudstone				
	32-	33.3		Coal				
	33.3	36-		Mudstone				

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[illegible]

SITE / JOB No.	lickers lane site B Sheet 5A	DAY / DATE	wed 27/7/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING		
	CH_4 : 0 % LEL	H_2S : 0 PPM	
	CO : 0 PPM	O_2 : 20.9 %	
	NOTES:		
			R.E./SUPERVISOR

[illegible]

SITE / JOB No.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	WEDNESDAY 27-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E19	GL	2.8		FILL/CLAY				
	2.8	8-	3m	MUDSTONE				
	8-	10.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	10.5	45		FIRM DRILLING,				
E21	GL	3-		FILL/CLAY				
	3-	6.5	4m	MUDSTONE				
	6.5	9-		COAL				
	9-	19-		MUDSTONE				
	19-	19.7		COAL				
	19.7	39.7		MUDSTONE				
	39.7	41-		COAL				
	41-	42.5		MUDSTONE				
	42.5	44.5		COAL				
	44.5	46-		MUDSTONE				
G21	GL	2.5		FILL/CLAY				
	2.5	7.2	3m	MUDSTONE				
	7.2	9.8		WEAK DRILLING POOR COAL RETURN				
	9.8	19.6		MUDSTONE				
	19.6	20.4		COAL				
	20.4	40.9		MUDSTONE				
	40.9	43-		COAL				
	43-	45-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 51A	DAY / DATE	WEDNESDAY 27-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G17								
	GL	2.7		FILL/CLAY				
	2.7	10.5	3m	MUDSTONE				
	10.5	12.7		COAL				
	12.7	22.5		MUDSTONE				
	22.5	23.5		COAL				
	23.5	43-		MUDSTONE				
	43-	45		COAL				
	45	46		MUDSTONE				
E17								
	GL	2.5		FILL/CLAY				
	2.5	9.8	3m	MUDSTONE				
	9.8	11.8		COAL				
	11.8	21.4		MUDSTONE				
	21.4	22.5		COAL				
	22.5	41-		MUDSTONE				
	41-	43		WEAK DRILLING POOR COAL RETURN				
	43	45		MUDSTONE				
F18								
	GL	2.5		FILL/CLAY				
	2.5	10.2	3m	MUDSTONE				
	10.2	11.5		COAL				
	11.5	21.5		MUDSTONE				
	21.5	22.5		COAL				
	22.5	41.3		MUDSTONE				
	41.3	43.3		COAL				
	43.3	45-		MUDSTONE				

REMARKS:	GAS MONITORING			
	CH ₄ :	<u>0</u>	% LEL	H ₂ S : <u>0</u> PPM
	CO :	<u>0</u>	PPM	O ₂ : <u>20.9</u> %
NOTES:				
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	WICKERS LANE SITE B SHEET 5A	DAY / DATE	WEDNESDAY 27-7-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D20								
	GL	2.8		FILL/CLAY				
	2.8	6.7	3m	MUDSTONE				
	6.7	9.3		WEAK DRILLING POOR COAL RETURNS				
	9.3	18.7		MUDSTONE				
	18.7	19.5		COAL				
	19.5	40-		MUDSTONE				
	40-	42-		COAL				
	42-	44-		MUDSTONE				
	44-	45-		COAL				
	45-	46		MUDSTONE				
F16								
	GL	2.5		FILL/CLAY				
	2.5	10.4	3m	MUDSTONE				
	10.4	13-		WEAK DRILLING POOR COAL RETURNS				
	13-	20-		MUDSTONE				
	20-	21-		COAL				
	21-	43.5		MUDSTONE				
	43.5	45-		COAL				
	45	46		MUDSTONE				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	WEDNESDAY 27-7-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	Lickers lane site B Sheet 5a	DAY / DATE	Thu 28/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
5	0	3.2	2-	Fill + clay				
11	3.2	3.8		Coal				
	3.8	12.4		mudstone				
	12.4	13.4		Coal				
	13.4	23-		mudstone				
	23-	24.2		Coal				
	24.2	33.2		mudstone				
	33.2	34.2		Coal				
	34.2	37-		mudstone				
5	0	3.7	2-	Fill + clay				
13	3.7	10.5		mudstone				
	10.5	11.5		Coal				
	11.5	21.8		mudstone				
	21.8	23.1		Coal				
	23.1	31.9		mudstone				
	31.9	33.1		Coal				
	33.1	36-		mudstone				
U7	0	3.8	2-	Fill + clay				
	3.8	7-		mudstone				
	7-	7.6		Coal				
	7.6	18.8		mudstone				
	18.8	19.8		Coal				
	19.8	27.6		mudstone				
	27.6	29-		Coal				
	29-	37.8		mudstone				
	37.8	38.8		Coal				
	38.8	45-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
u9	0	3.5	2-	Fill + clay				
	3.5	5.3		Mudstone				
	5.3	6.5		Coal				
	6.5	16.5		Mudstone				
	16.5	17.5		Coal				
	17.5	26-		Mudstone				
	26-	27.3		Coal				
	27.3	36.2		Mudstone				
	36.2	37.2		Coal				
	37.2	40-		Mudstone				
u11	0	3.8	2-	Fill + clay				
	3.8	5-		Coal				
	5-	14-		Mudstone				
	14-	15.2		Coal				
	15.2	23.1		Mudstone				
	23.1	24.5		Coal				
	24.5	34.2		Mudstone				
	34.2	35.2		Coal				
	35.2	38-		Mudstone				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 5a	DAY / DATE	Thu 28/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V8	0	3.6	2-	Fill + clay				
	3.6	6-		Mudstone				
	6-	7.1		Coal				
	7.1	17-		Mudstone				
	17-	18-		Coal				
	18-	26.4		Mudstone				
	26.4	27.7		Coal				
	27.7	36.6		Mudstone				
	36.6	37.6		Coal				
	37.6	40		Mudstone				
V10	0	3.8	2-	Fill + clay				
	3.8	5.4		Coal				
	5.4	14.6		Mudstone				
	14.6	15.7		Coal				
	15.7	23.7		Mudstone				
	23.7	25-		Coal				
	25-	34.6		Mudstone				
	34.6	35.7		Coal				
	35.7	38-		Mudstone				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 5a	DAY / DATE	Thu 28/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T12	0	4-	2-	Fill + clay, Coal traces				
	4-	11.2		mudstone				
	11.2	12.2		Coal				
	12.2	22.4		mudstone				
	22.4	23.7		Coal				
	23.7	32.3		mudstone				
	32.3	33.5		Coal				
	33.5	36-		mudstone				
T10	0	3.4	2-	Fill + clay				
	3.4	4.3		Coal				
	4.3	12.9		mudstone				
	12.9	13.9		Coal				
	13.9	23.6		mudstone				
	23.6	24.7		Coal				
	24.7	33.8		mudstone				
	33.8	34.8		Coal				
T8	0	3.7	2-	Fill + clay				
	3.7	5-		mudstone				
	5-	6-		Coal				
	6-	16.7		mudstone				
	16.7	17.7		Coal				
	17.7	26.3		mudstone				
	26.3	27.4		Coal				
	27.4	36.5		mudstone				
	36.5	37.6		Coal				
	37.6	40-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 513	DAY / DATE	THURSDAY 28-7-2022	DRILLER	N. Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M19								
	GL	2.7		FILL/CLAY				
	2.7	3.2	3m	CORAL				
	3.2	13.5		MUDSTONE				
	13.5	15-		CORAL				
	15-	24-		MUDSTONE				
	24-	24.7		CORAL				
	24.7	44.5		MUDSTONE				
	44.5	46-		CORAL				
	46-	47-		MUDSTONE				
L20								
	GL	3-		FILL/CLAY/CORAL TRACES				
	3-	11-	3m	MUDSTONE				
	11-	13.5		SLIGHTLY BROKEN GROUND LOST FILL SH				
	13.5	45-		FIRM DRILLING				
O21								
	GL	2.6		FILL/CLAY				
	2.6	3	3m	CORAL				
	3-	13.5		MUDSTONE				
	13.5	14.5		CORAL				
	14.5	23.5		MUDSTONE				
	23.5	24.7		CORAL				
	24.7	44.7		MUDSTONE				
	44.7	45.7		CORAL				
	45.7	47-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B, SHEET 5B	DAY / DATE	THURSDAY 28-7-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I19								
	GL	2.5		FILL/CLAY				
	2.5	11-	3m	MUDSTONE				
	11-	12-		COAL				
	12-	22-		MUDSTONE				
	22-	23-		COAL				
	23-	42.5		MUDSTONE				
	42.5	44-		COAL				
	44-	45-		MUDSTONE				
K21								
	GL	2.7		FILL/CLAY				
	2.7	10.8	3m	MUDSTONE				
	10.8	12-		COAL				
	12-	22-		MUDSTONE				
	22-	23-		COAL				
	23-	43-		MUDSTONE				
	43-	45-		COAL				
	45-	46-		MUDSTONE				
K19								
	GL	3.5		FILL/CLAY				
	3.5	11-	4m	MUDSTONE				
	11-	13.5		WEAK DRILLING POOR COAL RETURN				
	13.5	23.2		MUDSTONE				
	23.2	24.2		COAL				
	24.2	43.5		MUDSTONE				
	43.5	45.5		COAL				
	45.5	47-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B, SHEET 5B	DAY / DATE	THURSDAY 28-7-2022	DRILLER	M. SMITH
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[illegible]

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20.9 %
	NOTES:
	R.E./SUPERVISOR

[illegible]

SITE / JOB No.	Lickers Lane, Site B, Sheet 5A	DAY / DATE	Thurs 28/7/22	DRILLER	L. Hancock
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D10	CL	3.5	4.0	fill + Clay				
	3.5	4.1		Mudstone				
	4.1	5.3		Weak drilling, lost plug				
	5.3	30.0		firm drilling.				
E11	CL	3.5	4.0	fill + Clay				
	3.5	4.5		Mudstone				
	4.5	5.7		coal				
	5.7	15.1		Mudstone				
	15.1	16.0		coal				
	16.0	26.5		Mudstone				
	26.5	27.2		coal				
	27.2	48.0		Mudstone				
G11	CL	3.0	4.0	fill + Clay				
	3.0	6.0		Mudstone				
	6.0	7.0		coal				
	7.0	16.3		Mudstone				
	16.3	17.9		Weak drilling, poor return				
	17.9	27.5		Mudstone				
	27.5	28.2		coal				
	28.2	30.0		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 5A	DAY / DATE	Thurs 28/7/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H10	0	3.0	4.0	fill + Clay				
	3.0	7.8		Mudstone				
	7.8	8.7		coal				
	8.7	17.8		Mudstone				
	17.8	19.2		coal				
	19.2	29.0		Mudstone				
	29.0	29.7		coal				
	29.7	31.0		Mudstone				
J10	0	3.5	4.0	fill + Clay				
	3.5	9.4		Mudstone				
	9.4	10.1		coal				
	10.1	19.2		Mudstone				
	19.2	20.8		coal				
	20.8	30.4		Mudstone				
	30.4	31.0		coal				
	31.0	32.0		Mudstone				
E13	0	4.0	4.0	fill + Clay				
	4.0	13.6		Mudstone				
	13.6	15.0		coal				
	15.0	24.7		Mudstone				
	24.7	25.1		coal				
	25.1	45.0		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 5A	DAY / DATE	Thurs 28/7/22	DRILLER	L. Hawkins
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q13	CL	3.0	4.0	fill + Clay				
	3.0	4.3		Mudstone				
	4.3	5.4		coal				
	5.4	14.7		Mudstone				
	14.7	16.0		coal				
	16.0	26.7		Mudstone				
	26.7	27.1		coal				
	27.1	29.0		Mudstone				
F12	CL	3.0	4.0	fill + Clay				
	3.0	4.4		Mudstone				
	4.4	5.6		coal				
	5.6	15.0		Mudstone				
	15.0	16.1		coal				
	16.1	26.6		Mudstone				
	26.6	27.0		coal				
	27.0	28.0		Mudstone				
O17	CL	3.0	4.0	fill + Clay				
	3.0	4.2		Mudstone				
	4.2	6.3		Broken ground, lost flush				
	6.3	45.0		from drilling.				
N16	CL	3.0	4.0	fill + Clay				
	3.0	3.6		Mudstone				
	3.6	6.0		Broken ground, lost flush				
	6.0	45.0		from drilling.				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 	

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 5A	DAY / DATE	Thurs 28/7/22	DRILLER	L. Howdson
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
R.E. / SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Tickers lane site B sheet SA	DAY / DATE	29/7/17 Fri	DRILLER	D. Holdnan
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 5A	DAY / DATE	Fri 29/7/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
12	0	3.7	2-	Fill + clay				
12	3.7	10.7		mudstone				
	10.7	11.7		Coal				
	11.7	22.3		mudstone				
	22.3	23.6		Coal				
	23.6	32.3		mudstone				
	32.3	33.5		Coal				
	33.5	36.		mudstone				
12	0	3.2	2-	Fill + clay				
10	3.2	4.		Coal				
	4.	12.7		mudstone				
	12.7	13.7		Coal				
	13.7	23.4		mudstone				
	23.4	24.4		Coal				
	24.4	33.6		mudstone				
	33.6	34.6		Coal				
	34.6	37.		mudstone				
12.8	0	3.2	2-	Fill + clay				
	3.2	4.1		mudstone				
	4.1	5.4		weak, lost flush				
	5.4	37.		firm				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	CO :	0 PPM	O_2 : 20.9 %
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 5A	DAY / DATE	Fri 29/7/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
	R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 5A	DAY / DATE	Fri 29/7/22	DRILLER	L. Howdorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R16	CL	3.0	4.0	fill + Clay				
	3.0	8.0		Mudstone				
	8.0	9.3		coal				
	9.3	19.3		Mudstone				
	19.3	20.8		coal				
	20.8	30.3		Mudstone				
	30.3	30.7		coal				
	30.7	32.0		Mudstone				
S17	CL	3.5	4.0	fill + Clay				
	3.5	8.2		Mudstone				
	8.2	9.2		coal				
	9.2	19.5		Mudstone				
	19.5	20.8		coal				
	20.8	29.8		Mudstone				
	29.8	30.5		coal				
	30.5	32.0		Mudstone				
T16	CL	4.0	4.0	fill + Clay				
	4.0	9.6		Mudstone				
	9.6	10.4		coal				
	10.4	20.8		Mudstone				
	20.8	21.4		coal				
	21.4	31.0		Mudstone				
	31.0	31.7		coal				
	31.7	33.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet SA	DAY / DATE	Fri 29/7/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T18	CL	3-0	4-0	fill + Clay				
	3-0	8-0		Mudstone				
	8-0	9-0		COOL				
	9-0	20-0		Mudstone				
	20-0	21-0		COOL				
	21-0	29-0		Mudstone				
	29-0	29-8		COOL				
	29-8	45-0		Mudstone				
R18	CL	3-0	4-0	fill + Clay				
	3-0	6-9		Mudstone				
	6-9	8-0		COOL				
	8-0	18-0		Mudstone				
	18-0	19-0		COOL				
	19-0	28-0		Mudstone				
	28-0	28-6		COOL				
	28-6	30-0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : ○ % LEL	H ₂ S : ○ PPM
	CO : ○ PPM	O ₂ : 21-0 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET SB	DAY / DATE	FRIDAY 29-7-2022	DRILLER	M SMITH
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[illegible][illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
019								
	9L	2.3		FILL/CLAY				
	2.3	3.5	3m	MUDSTONE				
	3.5	4.7		COAL				
	4.7	13.5		MUDSTONE				
	13.5	16-		WEAK DRILLING POOR COAL RETURNS				
	16-	25-		MUDSTONE				
	25-	26-		COAL				
	26-	45-		MUDSTONE				
N20								
	9L	2.5		FILL/CLAY				
	2.5	3.3	3m	COAL				
	3.3	12.7		MUDSTONE				
	12.7	14.2		COAL				
	14.2	24-		MUDSTONE				
	24-	24.7		COAL				
	24.7	44.6		MUDSTONE				
	44.6	45.6		COAL				
	45.6	47-		MUDSTONE				

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEETS B	DAY / DATE	FRIDAY 29-7-2022	DRILLER	M SMITH
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DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	MONDAY 1-8-2022	DRILLER	M. SMITH
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DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 5A	DAY / DATE	MONDAY 1-8-2022	DRILLER	N. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R20								
	GL	2.5		FILL/CLAY				
	2.5	5-	3m	MUDSTONE				
	5-	6-		CALC.				
	6-	15.5		MUDSTONE				
	15.5	17.5		CALC.				
	17.5	26-		MUDSTONE				
	26-	27-		CALC.				
	27-	28-		MUDSTONE				
R22								
	GL	2.4		FILL/CLAY				
	2.4	3.5	3m	MUDSTONE				
	3.5	4.4		CALC.				
	4.4	14.5		MUDSTONE				
	14.5	16-		CALC.				
	16-	24.5		MUDSTONE				
	24.5	25.5		CALC.				
	25.5	45-		MUDSTONE				
T20								
	GL	2.6		FILL/CLAY				
	2.6	5-	3m	MUDSTONE				
	5-	7.5		SLIGHTLY BROKEN GROUND LOSE FILL				
	7.5	30-		FIRM DRILLING				

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DAILY SITE RECORD

SITE / JOB NO.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	Monday 1-8-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T22								
	GL	2.6		Fill/clay				
	2.6	4-	3m	MUDSTONE				
	4-	6-		CCAL				
	6-	15-		MUDSTONE				
	15-	18-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	18-	30-		FIRM DRILLING				
B25								
	GL	2.7		Fill/clay				
	2.7	4-	3m	MUDSTONE				
	4-	5.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	5.5	45		FIRM DRILLING				
C26								
	GL	3.8		Fill/clay/CCAL				
	3.8	13-	4m	MUDSTONE				
	13-	14.3		CCAL				
	14.3	39-		MUDSTONE				
	39-	41.5		WEAK DRILLING LOST FLUSH				
	41.5	45-		FIRM DRILLING				

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20.9 %
	NOTES:
..... R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	MONDAY 1-8-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E25								
	GL	2.7		FILL/CLAY				
	2.7	4-	3m	MUDSTONE				
	4-	5-		WEAK DRILLING POOR COAL RETURNS				
	5-	14-		MUDSTONE				
	14-	15-		COAL				
	15-	36.5		MUDSTONE				
	36.5	38-		COAL				
	38-	39.5		MUDSTONE				
	39.5	41-		COAL				
	41-	42-		MUDSTONE				
G26								
	GL	2.7		FILL/CLAY				
	2.7	4-	3m	MUDSTONE				
	4-	5.5		WEAK DRILLING POOR COAL RETURNS				
	5.5	14.5		MUDSTONE				
	14.5	15.7		COAL				
	15.7	37.5		MUDSTONE				
	37.5	39-		COAL				
	39-	40		MUDSTONE				
	40	41.5		COAL				
	41.5	43-		MUDSTONE				

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	MONDAY 1-8-2022	DRILLER	M. SMITH
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet SA	DAY / DATE	1/8/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
04	0	3.2	2-	fill + clay				
	3.2	5.5		mudstone				
	5.5	6.7		Coal				
	6.7	17.9		mudstone				
	17.9	18.8		Coal				
	18.8	27.5		mudstone				
	27.5	28.7		weak, lost flush				
	28.7	42-		firm				
M3	0	3.6	2-	fill + clay				
	3.6	5.3		mudstone				
	5.3	6.4		Coal				
	6.4	16.9		mudstone				
	16.9	17.9		Coal				
	17.9	25.8		mudstone				
	25.8	27-		Coal				
	27-	36.1		mudstone				
	36.1	37.2		Coal				
	37.2	40-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane, site B Sheet 5A	DAY / DATE	1/8/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U3	0	2.8	2-	Fill + clay				
	2.8	8-		Mudstone				
	8-	9.3		Coal				
	9.3	21-		Mudstone				
	21-	22.3		Weak, lost flush				
	22.3	41-		Firm				
S4	0	3.2	2-	Fill + clay				
	3.2	7.3		Mudstone				
	7.3	8.5		Coal				
	8.5	19.5		Mudstone				
	19.5	20.6		Coal				
	20.6	29-		Mudstone				
	29-	30.1		Coal				
	30.1	38.3		Mudstone				
	38.3	39.5		Coal				
	39.5	45-		Mudstone				
Q3	0	3-	2-	Fill + clay				
	3-	6.8		Mudstone				
	6.8	8-		Coal				
	8-	19.3		Mudstone				
	19.3	20.3		Coal				
	20.3	28.6		Mudstone				
	28.6	29.6		Coal				
	29.6	37.8		Mudstone				
	37.8	39.1		Coal				
	39.1	42-		Mudstone				

REMARKS:	GAS MONITORING					
	CH ₄ :	0 % LEL	H ₂ S:	0 PPM		
	CO :	0 PPM	O ₂ :	20.9 %		
	NOTES:					
						R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 5A	DAY / DATE	1/8/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V 22	0	2.8	2-	Fill + clay				
	2.8	5.6		Mudstone				
	5.6	6.8		Coal				
	6.8	17.8		Mudstone				
	17.8	18.9		Coal				
	18.9	27-		Mudstone				
	27-	28.1		Coal				
	28.1	31-		Mudstone				
V 20	0	2.8	2-	Fill + clay				
	2.8	6.8		Mudstone				
	6.8	8-		Coal				
	8-	19-		Mudstone				
	19-	20.1		Coal				
	20.1	28-		Mudstone				
	28-	29-		Coal				
	29-	31-		Mudstone				
V 18	0	3-	2-	Fill + clay				
	3-	8.4		Mudstone				
	8.4	9.5		Coal				
	9.5	20-		Mudstone				
	20-	21.2		Coal				
	21.2	29.4		Mudstone				
	29.4	30.4		Coal				
	30.4	33-		Mudstone				

[illegible][illegible]

SITE / JOB NO.	lickers lane site B sheet 5A	DAY / DATE	1/8/22 ^{mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P 10	U	3.7	2-	Fill + clay				
	3.7	11.2		mudstone				
	11.2	12.2		Coal				
	12.2	22.6		mudstone				
	22.6	23.6		Coal				
	23.6	32.9		mudstone				
	32.9	34.2		Coal				
	34.2	37-		mudstone				
U 21	U	2.8	2-	Fill + clay				
	2.8	6-		mudstone				
	6-	7.2		Coal				
	7.2	18.3		mudstone				
	18.3	19.5		Coal				
	19.5	27.5		mudstone				
	27.5	28.5		Coal				
	28.5	45-		mudstone				
U 19	U	3.2	2-	Fill + clay				
	3.2	7.9		mudstone				
	7.9	9.1		Coal				
	9.1	19-		mudstone				
	19-	20.3		Coal				
	20.3	28.6		mudstone				
	28.6	29.5		Coal				
	29.5	32-		mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20.9 %	
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2.	DAY / DATE	Mon 1/7/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				I27 Sharp Probing.				
				Set up anchor points and harness for probing.				
	CL	39.0		Soft drilling				
	39.0	44.0		Hard drilling.				
				1 Hole drilled to 44m.				
	CL	3.0		Soft drilling				
	3.0	6.0		Soft drilling, firm bands.				
	6.0	7.0		Hard drilling, (Mudstone + coal returns)				
				22 Holes drilled to 7m.				
	CL	12.0		Soft drilling (Still going)				
				11 Holes drilled to 12m.				
				Total - 34 Holes drilled. (330m)				
				* Drilled using water flush and drilled 5m into rock to prove bottom of shaft.				

[illegible][illegible]

5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

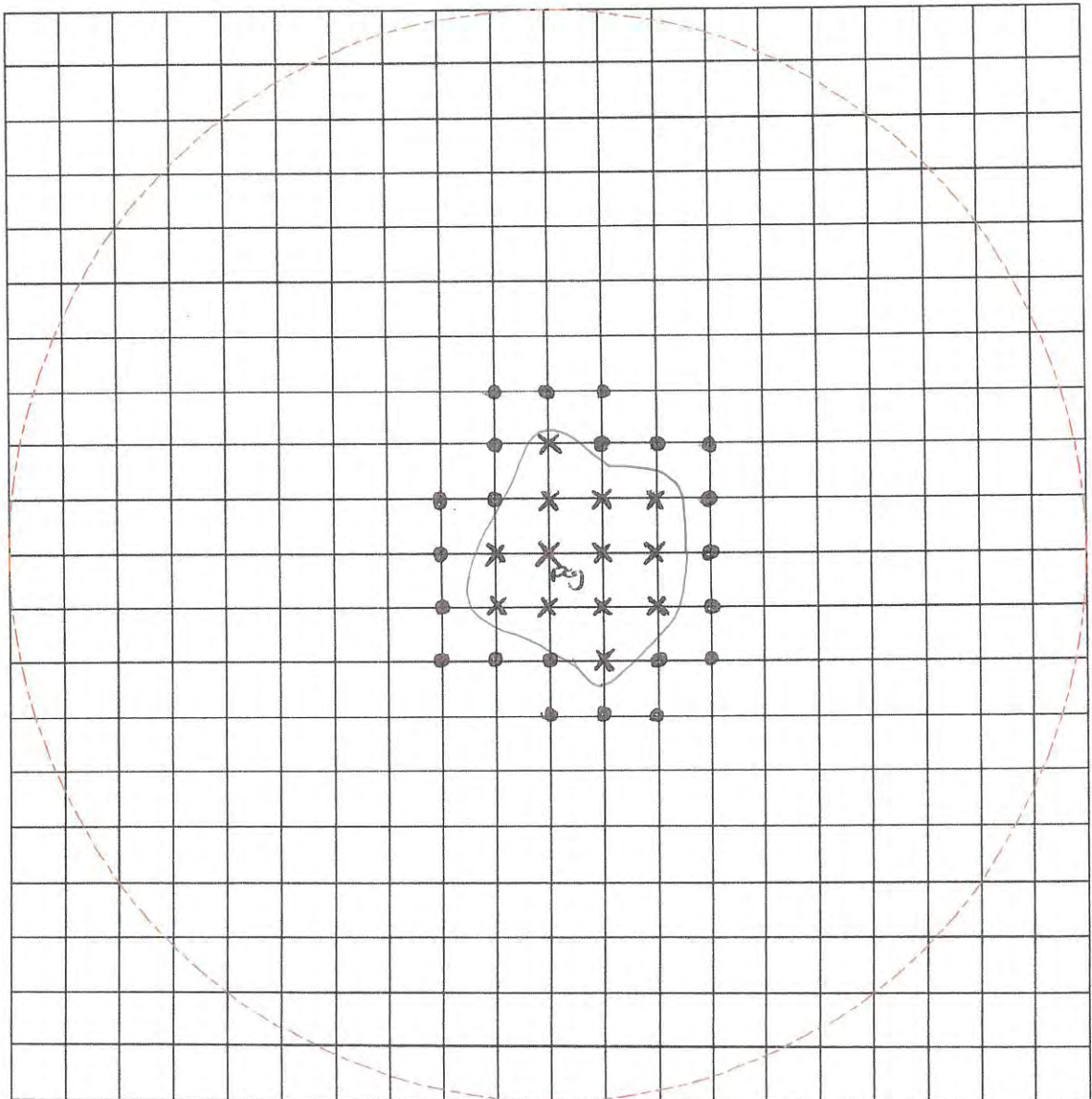
DRG FRAME REF OC 1.1/5A

I27 Shaft ProbingNORTH
↑

UR M/S 1

MAIN ENTRANCE

5CM



X Probe holes in shaft

● Probe holes out of shaft.

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Lee Hutton

Scale

1:125

Job Title

Lickers Lane, Site B,
Sheet 2, I27

Date

1/8/22

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Mon 1 / 8 / 22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				Shaft I27.				
				Set up platform and rig over shaft position.				
	CL	23.0		Soft drilling				
	23.0	23.5		firm drilling				
	23.5	34.0		Soft drilling				
	34.0	34.5		firm drilling (water holding in casing)				
	34.5	39.0		Soft drilling				
	39.0	40.0		Hard drilling.				
				Started grouting from 39M.				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 5A	DAY / DATE	TUESDAY 2-8-2022	DRILLER	W. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
026								
	GL	2.4		FILL/CLAY				
	2.4	9-	3m	MUDSTONE				
	9-	11-		COAL				
	11-	20-		MUDSTONE				
	20-	21.5		COAL				
	21.5	42-		MUDSTONE				
	42-	43.6		COAL				
	43.6	45-		MUDSTONE				
Q25								
	GL	2.3		FILL/CLAY				
	2.3	10.5	3m	MUDSTONE				
	10.5	12.5		COAL				
	12.5	21-		MUDSTONE				
	21-	22-		COAL				
	22-	43-		MUDSTONE				
	43-	45.5		COAL				
	45.5	47-		MUDSTONE				
526								
	GL	2.4		FILL/CLAY/COAL TRACES				
	2.4	10.5	3m	MUDSTONE				
	10.5	13-		COAL				
	13-	22-		MUDSTONE				
	22-	23-		COAL				
	23-	44.5		MUDSTONE				
	44.5	46-		COAL				
	46	47-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 5A	DAY / DATE	TUESDAY 2-8-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITERB SHEET 51A/1	DAY / DATE	TUESDAY 2-8-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W25								
	GL	2.4		FILL/CLAY				
	2.4	3.4	3m	COAL				
	3.4	12.5		MUDSTONE				
	12.5	15.2		COAL				
	15.2	23.7		MUDSTONE				
	23.7	24.7		COAL				
	24.7	45-		MUDSTONE				
	45-	46.5		COAL				
	46.5	48-		MUDSTONE				
W26								
	GL	3.4		FILL/CLAY/COAL TRACES				
	3.4	12-	4m	MUDSTONE				
	12-	15.5		WEAK DRILLING POOR COAL RETURNS				
	15.5	23.5		MUDSTONE				
	23.5	24.7		COAL				
	24.7	45-		MUDSTONE				
M15				SHEET 5				
	GL	2-		FILL				
	2-	18.7	2m	SANDSTONE				
	18.7	19.2		COAL				
	19.2	29-		SANDSTONE				
	29-	34.5		BLACK MUDSTONE / COAL				
	34.5	45-		SANDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20-9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 5A	DAY / DATE	Tue 2/8/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E3	0	4-	2-	Fill + clay				
	4-	10.7		mudstone				
	10.7	12-		Coal				
	12-	19.3		mudstone				
	19.3	21.5		Slightly broke, lost flush				
	21.5	37-		Firm				
C4	0	3.8	2-	Fill + clay				
	3.8	9.2		mudstone				
	9.2	10.3		Coal				
	10.3	19.7		mudstone				
	19.7	21-		Weak, lost flush				
	21-	37-		Firm				
A3	0	3.5	2-	Fill + clay				
	3.5	8-		mudstone				
	8-	9-		Coal				
	9-	18.7		mudstone				
	18.7	19.7		Coal				
	19.7	29.8		mudstone				
	29.8	31.1		Coal				
	31.1	34-		mudstone				

[illegible][illegible]

SITE / JOB No.	lickers lane site B sheet SA	DAY / DATE	Tue 2/8/22	DRILLER	D. Holdnall
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REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.9 %
	NOTES:		
			R.E./SUPERVISOR

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2.	DAY / DATE	Tue 2/8/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				MSS Probing.				
				Set up anchor points and harness for probing.				
	CL	21.0		Soft drilling				
	31.0	36.0		Hard drilling. (Drilled 5M into rock to prove bottom)				
				1 Hole drilled to 36M.				
	CL	12.0		Soft drilling (Still Going)				
				8 Holes drilled to 12M (96M)				
	CL	3.5		Soft drilling				
	3.5	5.0		Hard drilling				
				11 Holes drilled to 5M (55M)				
				Total 20 Holes (187M)				

[illegible][illegible]

MSS Probing

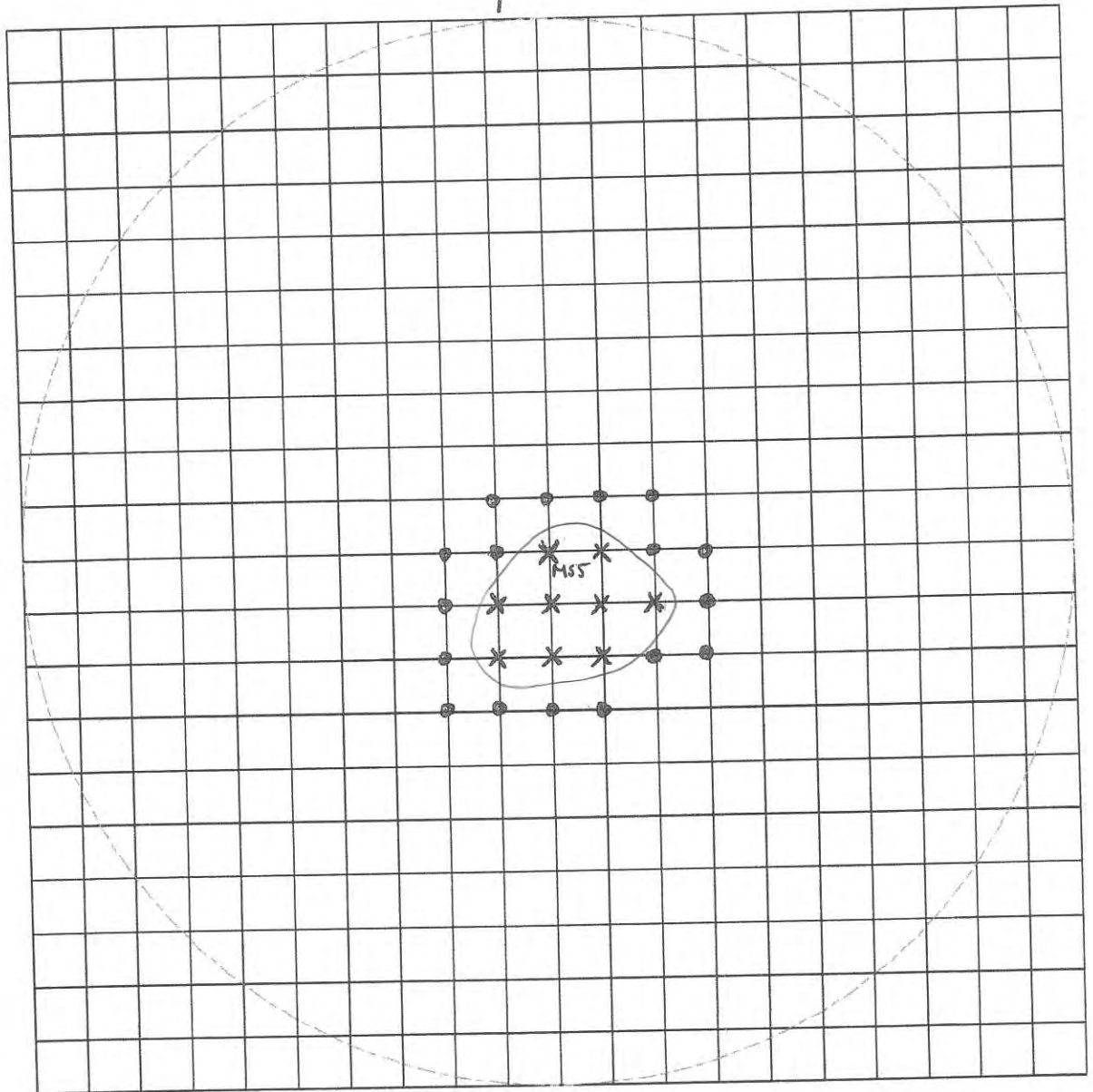
UR M/S 2

TREES

NORTH



5CM



X Shaft

● Out of shaft

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Lee Howdore.

Scale

1:125

Job Title

Lickers Lane, Site B.
Sheet 2, Shaft MSS

Date

2/8/22

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 2	DAY / DATE	Tue 2/8/22	DRILLER	L. Hawthorn
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	WICKERS LAKE SITE B SHEET 5 B/3	DAY / DATE	TUESDAY 23-8-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q13								
	GL	1.7		FILL/CLAY				
	1.7	12-	2m	SANDSTONE/MUDSTONE				
	12-	12-4		COAL				
	12.4	28-		MUDSTONE				
	28-	30-		COAL				
	30-	31-		MUDSTONE				
	31-	32.5		COAL				
	32.5	34-		MUDSTONE				
P15								
	GL	1.7		FILL/CLAY				
	1.7	4.5	2m	SANDSTONE/MUDSTONE				
	SHEET 3							
Q3								
	GL	2.3		FILL/CLAY				
	2.3	19.2	3m	MUDSTONE				
	19.2	22.5		SLIGHTLY BROKEN GROUND LOST	FULSH			
	22.5	30-		FIRM DRILLING				
Q5								
	GL	2.2		FILL/CLAY				
	2.2	18.4	3m	MUDSTONE				
	18.4	20-		COAL				
	20-	21-		MUDSTONE				
	21-	22.5		COAL				
	22.5	30		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: C02 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAWF SITE B SHEET 3	DAY / DATE	TUESDAY 23-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q7								
	GL	2.3		FILL/CLAY				
	2.3	15.5	3m	MUDSTONE				
	15.5	19-		SLIGHTLY BROKEN GROUND LOST	FULSH			
	19-	22-		FIRM DRILLING				
Q9								
	GL	2.2		FILL/CLAY				
	2.2	15.5	3m	MUDSTONE/SANDSTONE				
	15.5	20-		COAL/MUDSTONE				
	20	22-		MUDSTONE				
Q11								
	GL	2.3		FILL/CLAY				
	2.3	13.3	3m	MUDSTONE/SANDSTONE				
	13.3	19-		COAL/MUDSTONE				
	19-	21-		MUDSTONE				
R4								
	GL	2.3		FILL/CLAY				
	2.3	20.3	3m	MUDSTONE/SANDSTONE				
	20.3	25.5		SLIGHTLY BROKEN GROUND LOST	FULSH			
	25.5	28-		FIRM DRILLING				
R6								
	GL	2.3		FILL/CLAY				
	2.3	17-	3m	MUDSTONE				
	17-	24-		SLIGHTLY BROKEN GROUND WITH FIRM BANDS LOST				
	24	26		FIRM DRILLING				IFULSH

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
05	0	1.8	2-	Fill + clay				
	1.8	18-		Mudstone				
	18-	19.2		Coal				
	19.2	21.3		Mudstone				
	21.3	22-		Coal				
	22-	40.4		Mudstone				
	40.4	40.9		Coal				
	40.9	45-		Mudstone				
07	0	2-	2-	Fill + clay				
	2-	13.5		Mudstone				
	13.5	18.3		Slightly broke, lost flush				
	18.3	21-		Firm				
011	0	2-	2-	Fill + clay				
	2-	12.8		Mudstone				
	12.8	13.8		Coal				
	13.8	16.6		Mudstone				
	16.6	18-		Wean, lost flush				
	18-	20-		Firm				
013	0	2-	2-	Fill + clay				
	2-	11-		Mudstone				
	11-	17.1		Slightly broke, lost flush				
	17.1	20-		Firm				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
O 15	0	2-	2-	Fill + clay Mudstone Slightly broke, lost flush firm				
M 11	0	2-	2-	Fill + clay Mudstone Slightly broke, lost flush firm				
M 13	0	2-	2-	Fill + clay Mudstone Slightly broke, lost flush firm				
M 15	0	2-	2-	Fill + clay Mudstone Weak, lost flush firm				
K 13	0	2-	2-	Fill + clay Mudstone Coal Mudstone Weak, lost flush firm				

[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P4								
	GL	2.2		FILL/CLAY				
	2.2	17-	3m	MUDSTONE/SANDSTONE				
	17-	24.5		SLIGHTLY BROKEN GROUND LOST FLUSH (FIRM BANDS)				
	24.5	26-		FIRM DRILLING				
P6								
	GL	2.3		FILL/CLAY				
	2.3	17-	3m	MUDSTONE/SANDSTONE				
	17-	22.5		COAL/MUDSTONE				
	22.5	24-		MUDSTONE				
P8								
	GL	2.3		FILL/CLAY				
	2.3	14.5	3m	MUDSTONE/SANDSTONE				
	14.5	21.5		SLIGHTLY BROKEN GROUND LOST FLUSH (FIRM BANDS)				
	21.5	23-		FIRM DRILLING				
P10								
	GL	2.3		FILL/CLAY				
	2.3	14-	3m	MUDSTONE/SANDSTONE				
	14-	19.5		COAL/MUDSTONE				
	19.5	21-		MUDSTONE				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 24-8-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P12								
	GL	1.7		FILL/CLAY				
	1.7	11.2	2m	MUDSTONE				
	11.2	17-		SLIGHTLY BROKEN GROUND LOST	FILL	SH		
	17-	19-		FIRM DRILLING				
S3								
	GL	1.9		FILL/CLAY				
	1.9	21-	2m	MUDSTONE				
	21-	26.5		SLIGHTLY BROKEN GROUND LOST	FILL	SH (FIRM BANDS)		
	26.5	28-		FIRM DRILLING				
S5								
	GL	2.3		FILL/CLAY				
	2.3	20	3m	MUDSTONE/SANDSTONE				
	20-	25.5		SLIGHTLY BROKEN GROUND LOST	FILL	SH		
	25.5	27-		FIRM DRILLING				
W7								
	GL	2.3		FILL/CLAY				
	2.3	17-	3m	MUDSTONE/SANDSTONE				
	17-	24.5		SLIGHTLY BROKEN GROUND LOST	FILL	SH (FIRM BANDS)		
	24.5	26-		FIRM DRILLING				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 24-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R8								
	GL	2.3		FILL/CLAY				
	2.3	13-	3m	MUDSTONE/SANDSTONE				
	13-	19-		SLIGHTLY BROKEN GROUND LOST FILL (FIRM BANDS)				
	19	21-		FIRM DRILLING				
S7								
	GL	2.3		FILL/CLAY				
	2.3	15-	3m	MUDSTONE/SANDSTONE				
	15-	20-		SLIGHTLY BROKEN GROUND LOST FILL				
	20	22-		FIRM DRILLING				
S9								
	GL	2.3		FILL/CLAY				
	2.3	16.5	3m	MUDSTONE/SANDSTONE				
	16.5	21.5		COAL/MUDSTONE				
	21.5	23-		MUDSTONE				
R10								
	GL	2.3		FILL/CLAY				
	2.3	15-	3m	MUDSTONE/SANDSTONE				
	15-	20-		SLIGHTLY BROKEN GROUND LOST FILL (FIRM BANDS)				
	20	22-		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y7								
	GL	2-		FILL/CLAY				
	2-	21-	3m	MUDSTONE/SANDSTONE				
	21-	25.5		CEAL/MUDSTONE				
	25.5	27-		MUDSTONE				
X6								
	GL	2.3		FILL/CLAY				
	2.3	21-	3m	MUDSTONE/SANDSTONE				
	21-	26.5		SIGHTLY BROKEN GROUND LOST FLUSH (FIRM BANDS)				
	26.5	28-		FIRM DRILLING				
X8								
	GL	2.3		FILL/CLAY				
	2.3	19-	3m	MUDSTONE/SANDSTONE				
	19-	24.5		SIGHTLY BROKEN GROUND LOST FLUSH				
	24.5	27-		FIRM DRILLING				
Y3								
	GL	1.9		FILL/CLAY/CEAL TRACES				
	1.9	24.5	2m	MUDSTONE/SANDSTONE				
	24.5	29.5		CEAL/MUDSTONE				
	29.5	31-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO_2 0	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers lane site B Sheet 3	DAY / DATE	wed 24/8/22	DRILLER	D. Holdnall
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[illegible][illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers lane, site B Sheet 3	DAY / DATE	Wed 24/8/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC 9	0	2-	2-	Fill + clay Mudstone				
	2-	22-		Weak, Firm in places, lost Flush				
	22-	27.8		Firm				
	27.8	30-						
AC 11	0	2.2	2-	Fill + clay Mudstone				
	2.2	18.5		Weak, Firm in places, lost Flush				
	18.5	26.6		Firm				
	26.6	29-						
AC 13	0	2.2	2-	Fill + clay Mudstone				
	2.2	19.4		Weak, lost Flush				
	19.4	25.8		Firm				
	25.8	28-						
AC 15	0	2.2	2-	Fill + clay Mudstone				
	2.2	18-		Weak, Firm in places, lost Flush				
	18-	23.6		Firm				
	23.6	27-						
AC 17	0	2.2	2-	Fill + clay Mudstone				
	2.2	16.4		Coal				
	16.4	17.4		Mudstone				
	17.4	21-		Coal				
	21-	22.1		Mudstone				
	22.1	25-						

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N8	0	2.2	2-	Fill + clay				
	2.2	14-		mudstone				
	14-	19.5		Coal				
	19.5	22-		mudstone				
AC 3	0	2-	2-	Fill + clay				
	2-	4-		mudstone				
	4-	4.9		Coal				
	4.9	27-		mudstone				
	27-	28-		Coal				
	28-	30.4		mudstone				
	30.4	31.6		Coal				
	31.6	34-		mudstone				
AC 5	0	2-	2-	Fill + clay				
	2-	3.2		mudstone				
	3.2	4.2		Coal				
	4.2	26.2		mudstone				
	26.2	31-		Weak, firm in places, lost flush				
	31-	33-		firm				
AC 7	0	1.8	2-	Fill + clay				
	1.8	2.5		Coal				
	2.5	24.5		mudstone				
	24.5	25.5		Coal				
	25.5	27.1		mudstone				
	27.1	28.5		Coal				
	28.5	31-		mudstone				

[illegible][illegible]

REMARKS:	GAS MONITORING		DELIVERY	TICKET No.	QUANTITY
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM			
	CO ₂ : 0 PPM	O ₂ : 20.9 %			
	NOTES:				
		R.E./SUPERVISOR			

SITE / JOB No.	LICKERS LANE SITERS SHEET 3	DAY / DATE	THURSDAY 25-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA3								
	GL	1.8		FILL/CLAY				
	1.8	2.2	2m	CCAL				
	2.2	24.5		MUDSTONE/SANDSTONE				
	24.5	30.5		SLIGHTLY BROKEN GROUND LOST FLUSH (FIRM BANDS)				
	30.5	32-		FIRM DRILLING				
AA5								
	GL	1.7		FILL/CLAY				
	1.7	2	2m	CCAL				
	2-	2.7		MUDSTONE				
	2.7	3-		CCAL				
	3-	21.5		MUDSTONE/SANDSTONE				
	21.5	27.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	27.5	29-		FIRM DRILLING				
AA7								
	GL	1.8		FILL/CLAY				
	1.8	21-	2m	MUDSTONE				
	21-	26.5		CCAL/MUDSTONE				
	26.5	28		MUDSTONE				
AA9								
	GL	1.9		FILL/CLAY				
	1.9	20-	2m	MUDSTONE/SANDSTONE				
	20-	26-		SLIGHTLY BROKEN GROUND LOST FLUSH (FIRM BANDS)				
	26	28		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	THURSDAY 25-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA 11	GL	2-		FILL/CLAY				
	2-	18	3m	MUONSTONE/SANDSTONE				
	18-	23.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	23.5	25-		FIRM DRILLING				
AA 13	GL	2-2		FILL/CLAY				
	2-2	17-	3m	MUONSTONE/SANDSTONE				
	17-	22.5		COAL/MUONSTONE				
	22.5	24-		MUONSTONE				
AA 15	GL	2-2		FILL/CLAY				
	2-2	15.5	3m	MUONSTONE/SANDSTONE				
	15.5	20.5		COAL/MUONSTONE				
	20.5	22-		MUONSTONE				
AA 17	GL	20		SOFT DRILLING LOST FLUSH				
	20	21-		INTO SOLID				
				(POSSIBLE SHAFT)				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	Thu 25/8/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB 14	0	2.4	2-	Fill + clay				
	2.4	17.1		mudstone				
	17.1	18.1		Coal				
	18.1	21.6		mudstone				
	21.6	22.6		Coal				
	22.6	25-		Mudstone				
AB 12	0	2.3	2-	Fill + clay				
	2.3	17-		mudstone				
	17-	24.1		weak, firm in places, lost flush				
	24.1	27-		firm				
AB 10	0	2.2	2-	Fill + clay				
	2.2	19.5		mudstone				
	19.5	25.1		weak, firm in places, lost flush				
	25.1	28-		firm				
AB 8	0	2.4	2-	Fill + clay				
	2.4	24-		mudstone				
	24-	25-		Coal				
	25-	26.8		mudstone				
	26.8	28.2		Coal				
	28.2	31-		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

[illegible][illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
26	0	2.3	2-	Fill + clay				
	2.3	24.6		Mudstone				
	24.6	25.6		Coal				
	25.6	27-		Mudstone				
	27-	28.2		Coal				
	28.2	31-		Mudstone				
28	0	2.3	2-	Fill + clay				
	2.3	19.5		Mudstone				
	19.5	27.1		Weak, lost flush				
	27.1	30-		Firm				
210	0	2.3	2-	Fill + clay				
	2.3	18.6		Mudstone				
	18.6	26-		Weak, lost flush				
	26-	28-		Firm				
212	0	2.4	2-	Fill + clay				
	2.4	18-		Mudstone				
	18-	19.3		Weak coal, poor returns				
	19.3	21.4		Mudstone				
	21.4	22.7		Coal				
	22.7	25-		Mudstone				
214	0	2.3	2-	Fill + clay				
	2.3	14.4		Mudstone				
	14.4	19.7		Coal, mudstone				
	19.7	22-		Mudstone				

[illegible][illegible]

SITE / JOB No.	Lickers lane, site B Sheet 3	DAY / DATE	Thu 25/8/22	DRILLER	D. Holdnall
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[illegible][illegible][illegible]



Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	THURSDAY 25.8-2022	DRILLER	M SMITH
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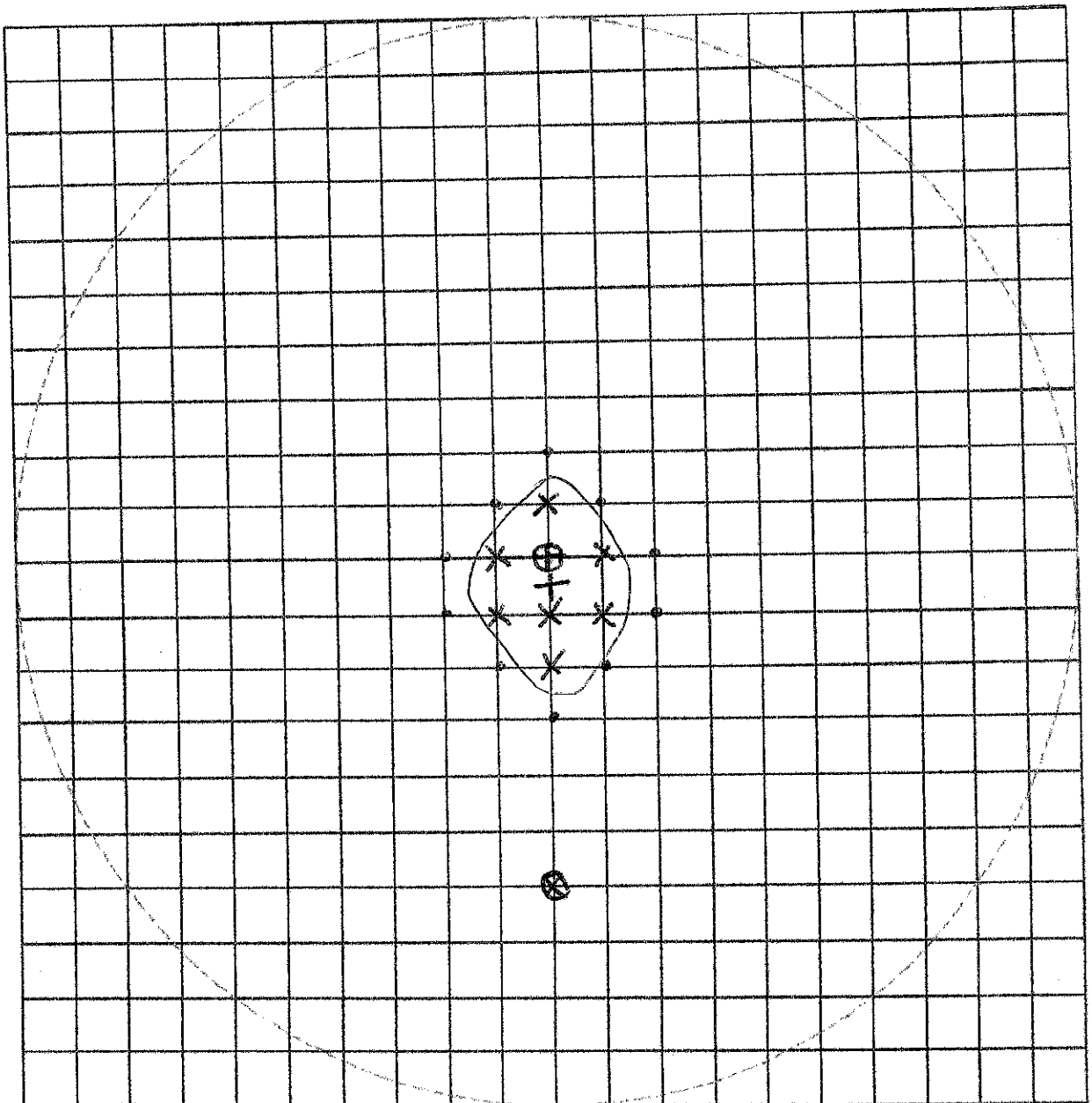
[illegible][illegible][illegible]

5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF OC 1.1/6A

5CM

LEGEND

⊕ AA17

+ CENTRE OF SHAFT

X PROBE HOLES INTO SHAFT

• PROBE HOLES OUT OF SHAFT

⊗ AA15

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Scale

Job Title

Date

MSMITH

1:125

LICKERS LANE

25-8-2022

SITE 2 SHEET 2

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITES SHEET 3	DAY / DATE	FRIDAY 26-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Z16								
	GL	2-		FILL/CLAY				
	2-	13-	3m	MUDSTONE/SANDSTONE				
	13-	19.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	19.5	21-		FIRM DRILLING				
Y15								
	GL	2-		FILL/CLAY				
	2-	14-	3m	MUDSTONE/SANDSTONE				
	14-	19.5		COAL/MUDSTONE				
	19.5	21-		MUDSTONE				
W15								
	GL	2.3		FILL/CLAY				
	2.3	13.5	3m	MUDSTONE/SANDSTONE				
	13.5	18.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	18.5	20		FIRM DRILLING				
W15								
	GL	1.9		FILL/CLAY				
	1.9	11-	2m	MUDSTONE/SANDSTONE				
	11-	16.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	16.5	18-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO 20 PPM	O_2 : 20.9 %
	NOTES: CO_2 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U 17	0	2-	2-	Fill + clay				
	2-	13.5		Mudstone				
	13.5	17.7		Coal + mudstone				
	17.7	20-		Mudstone				
S 17	0	2-	2-	Fill + clay				
	2-	11.4		Mudstone				
	11.4	16.6		Coal + mudstone				
	16.6	19-		Mudstone				
Q 17	0	2-	2-	Fill + clay				
	2-	10.4		Mudstone				
	10.4	15.7		Coal + mudstone				
	15.7	18-		Mudstone				
O 17	0	2.3	2-	Fill + clay				
	2.3	9.3		Mudstone				
	9.3	15-		Coal + mudstone				
	15-	17-		Mudstone				
I 13	0	2-	2-	Fill + clay				
	2-	6.4		Mudstone				
	6.4	14.2		Slightly broke, lost Flush				
	14.2	17-		Firm				

REMARKS:	GAS MONITORING	
	CH ₄ :	% LEL
	H ₂ S :	PPM
	CO ₂ :	PPM
	O ₂ :	%
	NOTES:	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers lane site B Sheet 3	DAY / DATE	Fri 26/8/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 70.9 %
	NOTES:	
R.F./SUPERVISOR		

[illegible]

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers lane Site B Sheet 3	DAY / DATE	Tue 30/8/22	DRILLER	D. Moldnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G 21	0	1.8	2-	Fill + clay				
	1.8	4.2		Coal + mudstone				
	4.2	7.4		Slightly brane, lost flush				
	7.4	10-		Firm				
G 23	0	1.5	2-	Fill + clay				
	1.5	6.2		Coal, Mudstone				
	6.2	10-		Mudstone				
G 25	0	1.5	2-	Fill + clay				
	1.5	2.8		Coal, mudstone				
	2.8	5-		Weak, lost flush				
	5-	10-		Firm				
G 27	0	1.5	2-	Fill + clay				
	1.5	3.5		Coal, mudstone				
	3.5	10-		Mudstone				
E 29	0	1.8	2-	Fill + clay				
	1.8	30-		Mudstone, Sandstone				
D 30	0	1.8	2-	Fill + clay				
	1.8	30-		Mudstone, Sandstone				

REMARKS:	GAS MONITORING		
	CH_4 : 0	% LEL	H_2S : 0 PPM
	CO : 20	PPM	O_2 : 20.9 %
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	TUESDAY 30-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R14								
	GL	2.2		FILL/CLAY				
	2.2	11.5	3m	MUDSTONE/SANDSTONE				
	11.5	16.5		COAL/MUDSTONE				
	16.5	18-		MUDSTONE				
T14								
	GL	1.8		FILL/CLAY				
	1.8	12-	2m	MUDSTONE/SANDSTONE				
	12-	17		WEAK DRILLING POOR COAL/MUDSTONE RETURNS				
	17-	19-		MUDSTONE				
V14								
	GL	1.9		FILL/CLAY				
	1.9	11.5	2m	MUDSTONE/SANDSTONE				
	11.5	17.5		WEAK DRILLING POOR COAL/MUDSTONE RETURNS				
	17.5	19-		MUDSTONE				
X16								
	GL	2.2		FILL/CLAY				
	2.2	13-	3m	MUDSTONE/SANDSTONE				
	13-	18.5		WEAK DRILLING POOR COAL RETURNS				
	18.5	20-		MUDSTONE				
V16								
	GL	1.8		FILL/CLAY				
	1.8	10.5	2m	MUDSTONE/SANDSTONE				
	10.5	18-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	18-	20		FIRM DRILLING				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T16								
	GL	1.9		FILL/CLAY				
	1.9	9.7	2m	MUDSTONE				
	9.7	17.6		COAL/MUDSTONE				
	17.6	19-		MUDSTONE				
R16								
	GL	1.8		FILL/CLAY				
	1.8	9-	2m	MUDSTONE				
	9-	15.7		WEAK DRILLING, POOR COAL/MUDSTONE RETURNS				
	15.7	17-		MUDSTONE				
P16								
	GL	1.7		FILL/CLAY				
	1.7	10-	2m	MUDSTONE				
	10-	15-		COAL/MUDSTONE				
	15-	17-		MUDSTONE				
M19								
	GL	1.9		FILL/CLAY				
	1.9	6-	2m	MUDSTONE/SANDSTONE				
	6-	11.5		SLIGHTLY BROKEN GROUND LOST				
	11.5	13-		FIRM DRILLING				
K19								
	GL	1.8		FILL/CLAY/COAL TRACES				
	1.8	5-	2m	MUDSTONE/SANDSTONE				
	5-	10.5		COAL/MUDSTONE				
	10.5	12-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	TUESDAY 30-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I19								
	GL	1.7		FILL/CLAY				
	1.7	5.0	2m	MUDSTONE				
	5.0	11.0		SLIGHTLY BROKEN GROUND LOST FLUSH				
	11.0	13.0		FIRM DRILLING				
I21								
	GL	1.7		FILL/CLAY / COAL TRACES				
	1.7	4.0	2m	MUDSTONE				
	4.0	9.0		COAL / MUDSTONE				
	9.0	11.0		MUDSTONE				
I23								
	GL	1.5		FILL/CLAY				
	1.5	2.2	2m	COAL				
	2.2	3.5		MUDSTONE				
	3.5	6.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	6.5	10.0		FIRM DRILLING				
K21								
	GL	1.8		FILL/CLAY				
	1.8	5.5	2m	MUDSTONE				
	5.5	9.5		COAL / MUDSTONE				
	9.5	11.0		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITES SHEET 3	DAY / DATE	TUESDAY 30-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M21								
	GL	1-8		FILL/CLAY				
	1-8	4-	2m	MUDSTONE				
	4-	10-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	10-	12-		FIRM DRILLING				
M23								
	GL	2-		FILL/CLAY				
	2-	5-	3m	MUDSTONE				
	5-	9.5		COAL/MUDSTONE				
	9.5	11-		MUDSTONE				
M25								
	GL	1.9		FILL/CLAY				
	1.9	2.7	2m	MUDSTONE				
	2.7	4.5		COAL				
	4.5	5.5		MUDSTONE				
	5.5	7-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	7-	10-		FIRM DRILLING				
O21								
	GL	1-7		FILL/CLAY				
	1-7	3.5	2m	MUDSTONE/SANDSTONE				
	3.5	8-		WEAK DRILLING REAR RETURNS				
	8-	9-		MUDSTONE				
	9-	12-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	12-	14		FIRM DRILLING				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20-9 %	
	NOTES: CO ₂ 0		
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	TUESDAY 30-8-2022	DRILLER	M. Smith
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
023								
	GL	1.7		FILL/CLAY				
	1.7	4-	2m	MUDSTONE				
	4-	10.5		SLIGHTLY BROKEN GROUND LOST FILL (FIRM BAWOS)				
	10.5	12-		FIRM DRILLING				
025								
	GL	1.8		FILL/CLAY				
	1.8	3.2	2m	MUDSTONE				
	3.2	9-		WEAK DRILLING POOR CCL/MUDSTONE RETURNS				
	9-	11-		MUDSTONE				
027								
	GL	2.8		FILL/CLAY				
	2.8	8-	3m	CCL/MUDSTONE				
	8-	10-		MUDSTONE				

REMARKS:	GAS MONITORING	
	$\text{CH}_4 : \quad 0 \quad \% \text{ LEL}$	$\text{H}_2\text{S} : \quad 0 \quad \text{PPM}$
	$\text{CO} : \quad 0 \quad \text{PPM}$	$\text{O}_2 : \quad 20.9 \quad \%$
	NOTES: $\text{CO}_2 \quad 0$	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

15

15

15

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site 8, Sheet 3	DAY / DATE	Tue 30/8/22	DRILLER	L. Howson
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 5B	DAY / DATE	Tue 30/8/22	DRILLER	L. Hawthorn
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[illegible]

REMARKS:	GAS MONITORING			
	CH_4 : 0 % LEL		H_2S : 0 PPM	
	CO : 20 PPM		O_2 : 20.7 %	
	NOTES:			
	R.E./SUPERVISOR			

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 5B.	DAY / DATE	Tue 30/8/22	DRILLER	L. Hawthorn.
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO 26 PPM	O ₂ : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

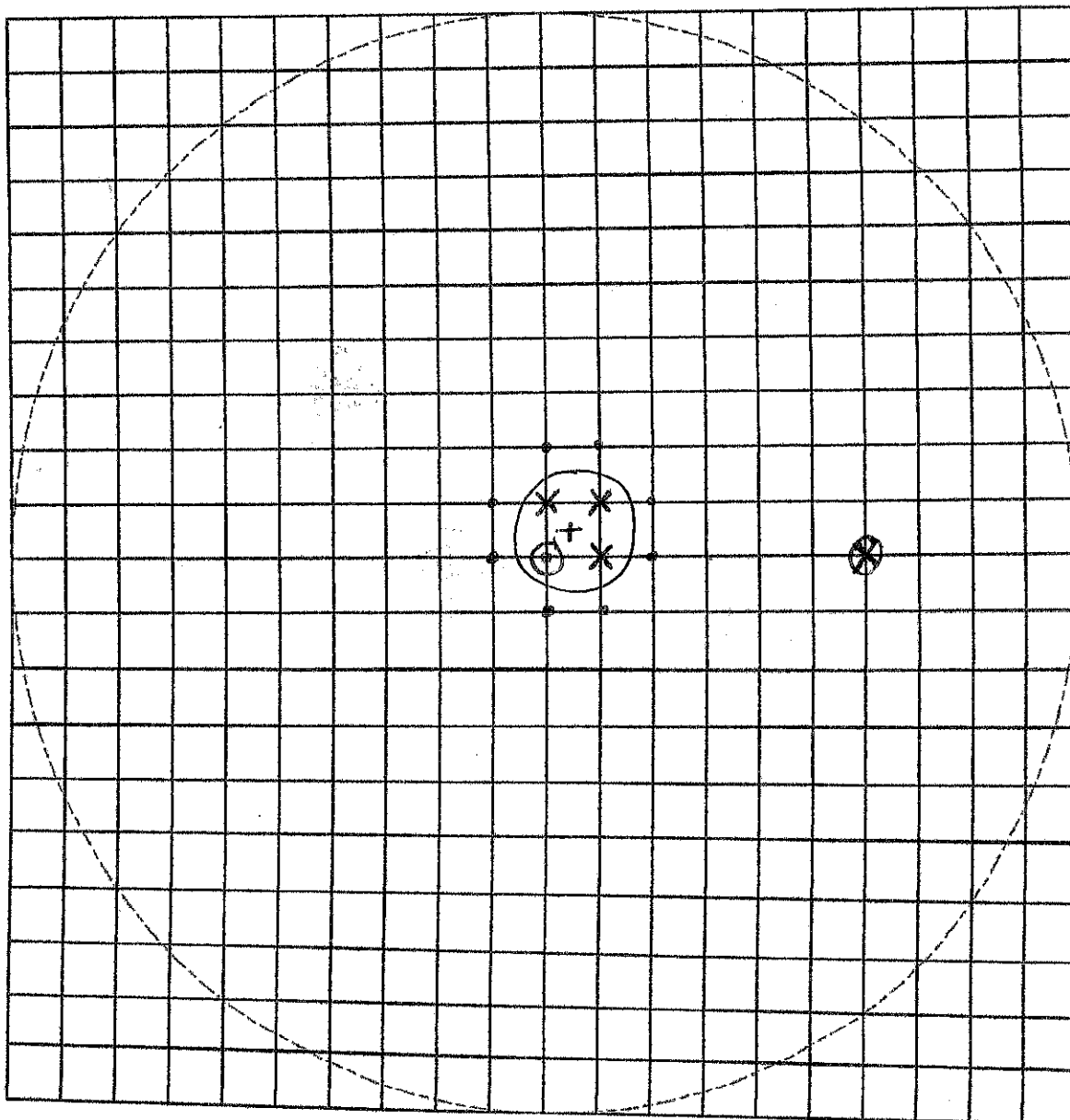
[illegible]

5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF DC 1.1/BA

5CM



LEGEND

⊕ Q23

⊗ Q23

+ CENTRE OF SHAFT

X PROBE HOLES INTO SHAFT

• PROBE HOLES OUT OF SHAFT

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Scale

Job Title

Date

M SMITH

1:125

LICKERS LANE
SITE B SHEET 3

31-8-2022

SITE / JOB No.	HICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO ₂	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M27								
	GL	1.5		FILL/CLAY				
	1.5	2-	2m	COAL				
	2-	3.3		MUDSTONE				
	3.3	7-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	7-	10		FIRM DRILLING				
N20								
	GL	1.7		FILL/CLAY				
	1.7	5-	2m	MUDSTONE				
	5-	8-		COAL				
	8-	9-		MUDSTONE				
	9-	12-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	12-	14-		FIRM DRILLING				
N22								
	GL	1.9		FILL/CLAY				
	1.9	4-	2m	MUDSTONE				
	4-	11-		SLIGHTLY BROKEN GROUND LOST FLUSH (FIRM BANDS)				
	11-	12-		FIRM DRILLING				
N24								
	GL	1.8		FILL/CLAY				
	1.8	4-	2m	MUDSTONE				
	4-	5.5		COAL				
	5.5	7-		MUDSTONE				
	7-	9.5		COAL				
	9.5	11-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITES SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N26								
	GL	1.8		FILL/CLAY				
	1.8	5-	2m	MUDSTONE				
	5-	9-		WEAK DRILLING, POOR COAL/MUDSTONE RETURNS				
	9-	11-		MUDSTONE				
L20								
	GL	1.5		FILL/CLAY				
	1.5	4.5	2m	MUDSTONE				
	4.5	10.5		SLIGHTLY BROKEN GROUND LAST FILLISH (FIRM BANDS)				
	10.5	12-		FIRM DRILLING				
L22								
	GL	1.7		FILL/CLAY/COAL TRACES				
	1.7	4-	2m	MUDSTONE				
	4-	9-		WEAK DRILLING, POOR COAL RETURNS				
	9-	11-		MUDSTONE				
L24								
	GL	1.8		FILL/CLAY				
	1.8	4.3	2m	MUDSTONE				
	4.3	8-		COAL/MUDSTONE				
	8-	10-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L26								
	GL	1-		FILL/CLAY				
	1-	3-	2m	CCAL				
	3-	4-		MUDSTONE				
	4-	6.5		CCAL				
	6.5	10-		MUDSTONE				
J20								
	GL	1.8		FILL/CLAY				
	1.8	4-	2m	MUDSTONE				
	4-	6-		CCAL				
	6-	7-		MUDSTONE				
	7-	9.5		SLIGHTLY BROKEN GROUND LOST	FUSH			
	9.5	11-		FIRM DRILLING				
H18								
	GL	1.8		FILL/CLAY				
	1.8	3.3	2m	MUDSTONE				
	3.3	5.7		CCAL				
	5.7	7-		MUDSTONE				
	7-	9.5		SLIGHTLY BROKEN GROUND LOST	FUSH			
	9.5	11-		FIRM DRILLING				
H20								
	GL	2.5		FILL/CLAY				
	2.5	8-	3m	SLIGHTLY BROKEN GROUND LOST	FUSH			
	8-	10-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO ₂	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H22								
	GL	1-		FILL/CLAY				
	1-	7-	2m	SLIGHTLY BROKEN GROUND LOST	FILL			
	7-	10-		FIRM DRILLING				
H26								
	GL	1-		FILL/CLAY				
	1-	6-	2m	SLIGHTLY BROKEN GROUND LOST	FILL			
	6-	10-		FIRM DRILLING				
Q21								
	GL	1.7		FILL/CLAY				
	1.7	6.5	2m	MUDSTONE				
	6.5	13.5		SLIGHTLY BROKEN GROUND LOST	FILL			
	13.5	15-		FIRM DRILLING				
S21								
	GL	1.7		FILL/CLAY				
	1.7	6	2m	MUDSTONE				
	6-	14-		SLIGHTLY BROKEN GROUND LOST	FILL			
	14-	16-		FIRM DRILLING				
U21								
	GL	1.6		FILL/CLAY				
	1.6	9.5	2m	MUDSTONE				
	9.5	15-		COAL/MUDSTONE				
	15-	17-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 31-8-2022	DRILLER	M SMITH
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[illegible][illegible][illegible]

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	wed 31/8/27	DRILLER	D. Holdcroft
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F 18	0	2-	2-	fill + clay mudstone				
	2-	3.4		weak, lost flush				
	3.4	8.6		firm				
	8.6	11-						
F 20	0	1.8	2-	fill + clay				
	1.8	7.3		Coal, mudstone				
	7.3	10-		mudstone				
F 22	0	1.5	2-	fill + clay				
	1.5	6.5		Coal, mudstone				
	6.5	10-		mudstone				
F 24	0	1.5	2-	fill + clay				
	1.5	4.8		Coal, mudstone				
	4.8	10-		mudstone				
F 26	0	1.5	2-	fill + clay				
	1.5	3.3		Coal, mudstone				
	3.3	10-		mudstone				
C 25	0	1.5	2-	fill + clay				
	1.5	2.8		Coal, mudstone				
	2.8	10-		mudstone				
C 27	0	1.8	2-	fill + clay				
	1.8	30		mudstone, sandstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO: 0 PPM	O ₂ : 20.4 %	
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	wed 31/8/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	wed 31/8/22	DRILLER	D. Holdnall
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[illegible][illegible][illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC 19	CL	1-0	2-0	fill + Clay				
	1-0	10-5		Mudstone				
	10-5	24-0		Slightly broken, loose flush				
	24-0	25-0		firm drilling.				
AC 23	CL	1-0	2-0	fill + Clay				
	1-0	11-9		Mudstone				
	11-9	13-7		coal				
	13-7	15-6		Mudstone				
	15-6	17-5		Weak drilling, Poor return				
	17-5	19-0		Mudstone				
AC 25	CL	1-0	2-0	fill + Clay				
	1-0	11-1		Mudstone				
	11-1	13-0		coal				
	13-0	15-0		Mudstone				
	15-0	16-2		coal				
	16-2	18-0		Mudstone				
AC 29	CL	1-0	2-0	fill + Clay				
	1-0	9-0		Mudstone				
	9-0	10-6		coal				
	10-6	12-5		Mudstone				
	12-5	13-8		coal				
	13-8	15-0		Mudstone				

REMARKS:	GAS MONITORING		
	$\text{CH}_4 :$	0 % LEL	$\text{H}_2\text{S} :$ 0 PPM
	$\text{CO} :$	0 PPM	$\text{O}_2 :$ 21.0 %
	NOTES:		
R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAINE SITE B SHEET 3	DAY / DATE	THURSDAY 1-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				W/23				
				10 HOLES AT 1m CENTRES				
				TO 3m				
	GL	2-		SOFT DRILLING				
	2-	3-		INTO SOLID				
				5 HOLES AT 1m CENTRES				
				TO 16m				
				2 HOLES AT 0.5m CENTRES				
				TO 1'6m				
	GL	15		SOFT DRILLING				
	15-	16-		INTO SOLID				
				1 HOLE INTO CENTRE OF				
				BELL PIT TO 16m				
	GL	15-		SOFT DRILLING				
	15-	16		INTO SOLID				
				TOTAL				
				18 HOLES				
				141 METRES				

[illegible][illegible]

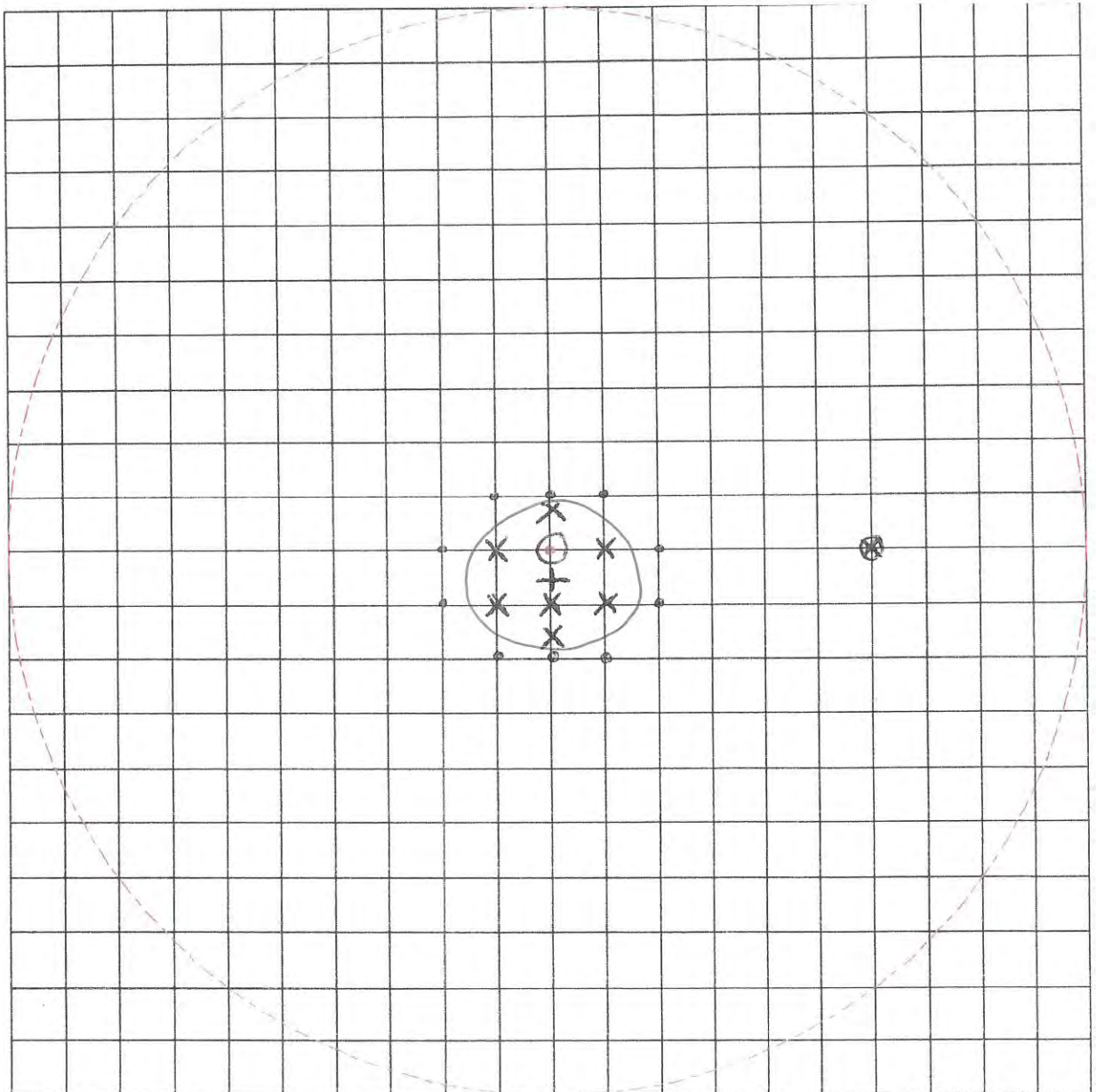
5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF OC 1.1/5A

LIR M/S 10

5CM



LEGEND

⊕ W23

⊗ W23

+ CENTRE OF BELL PIT

X PROBE HOLES IN BELL PIT

• PROBE HOLES OUT OF BELL PIT

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Scale

Job Title

Date

M. SMITH

1:125

LICKERS LANE
SITE B SHEET 3

1-9-2022

DAILY SITE RECORD

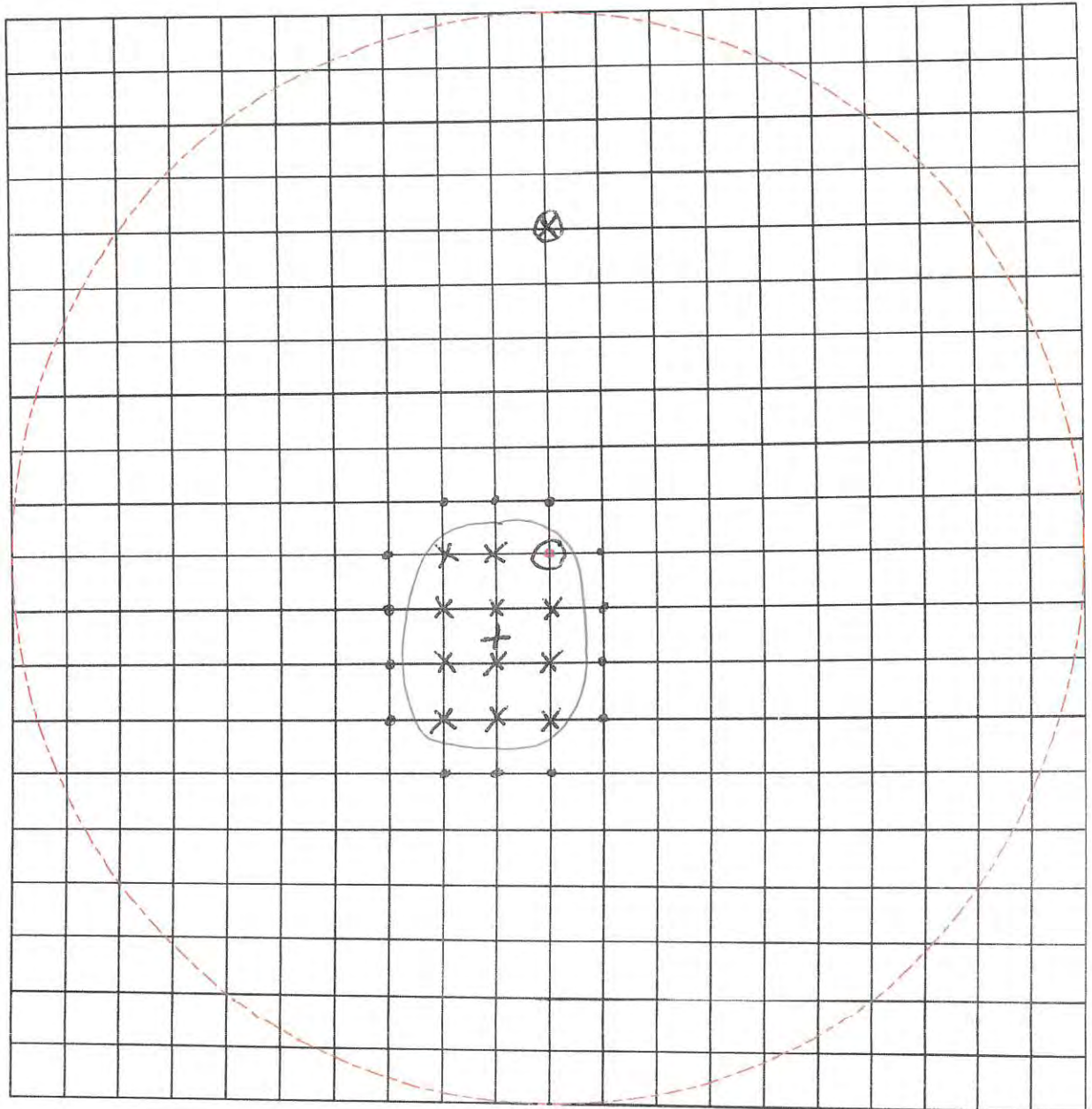
SITE / JOB No.	LICKERS LAINE SITE B SHEET 3	DAY / DATE	THURSDAY 1-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				U25				
				14 HOLES AT 1m CENTRES				
				TO 3m				
				TYPICAL LOG				
	GL	2-		SOFT DRILLING				
	2-	3		INTO SOLID				
				11 HOLES AT 1m CENTRES				
				TO 9m				
	GL	9-		SOFT DRILLING				
	9	-		FIRM				
				1 HOLE INTO CENTRE OF				
				BELL PIT -				
	GL	9-		SOFT DRILLING				
	9	9.7		FIRM DRILLING				
	9.7	13-		SOFT DRILLING				
	13-	14-		INTO SOLID				
				TOTAL				
				HOLES 26				
				METRES 155				

[illegible][illegible]

UR m/p 11

5CM



LEGEND

⊕ u25

⊗ u23

+ CENTRE OF BELL PIT

X PROBE HOLES INTO BELL PIT

• PROBE HOLES OUT OF BELL PIT

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Scale

Job Title

Date

M SMITH

1:125

LICKERS LANE

SITE B SHEET 2

M SMITH

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITER'S SHEET 3	DAY / DATE	THURSDAY 1-9-2022	DRILLER	MSMITH
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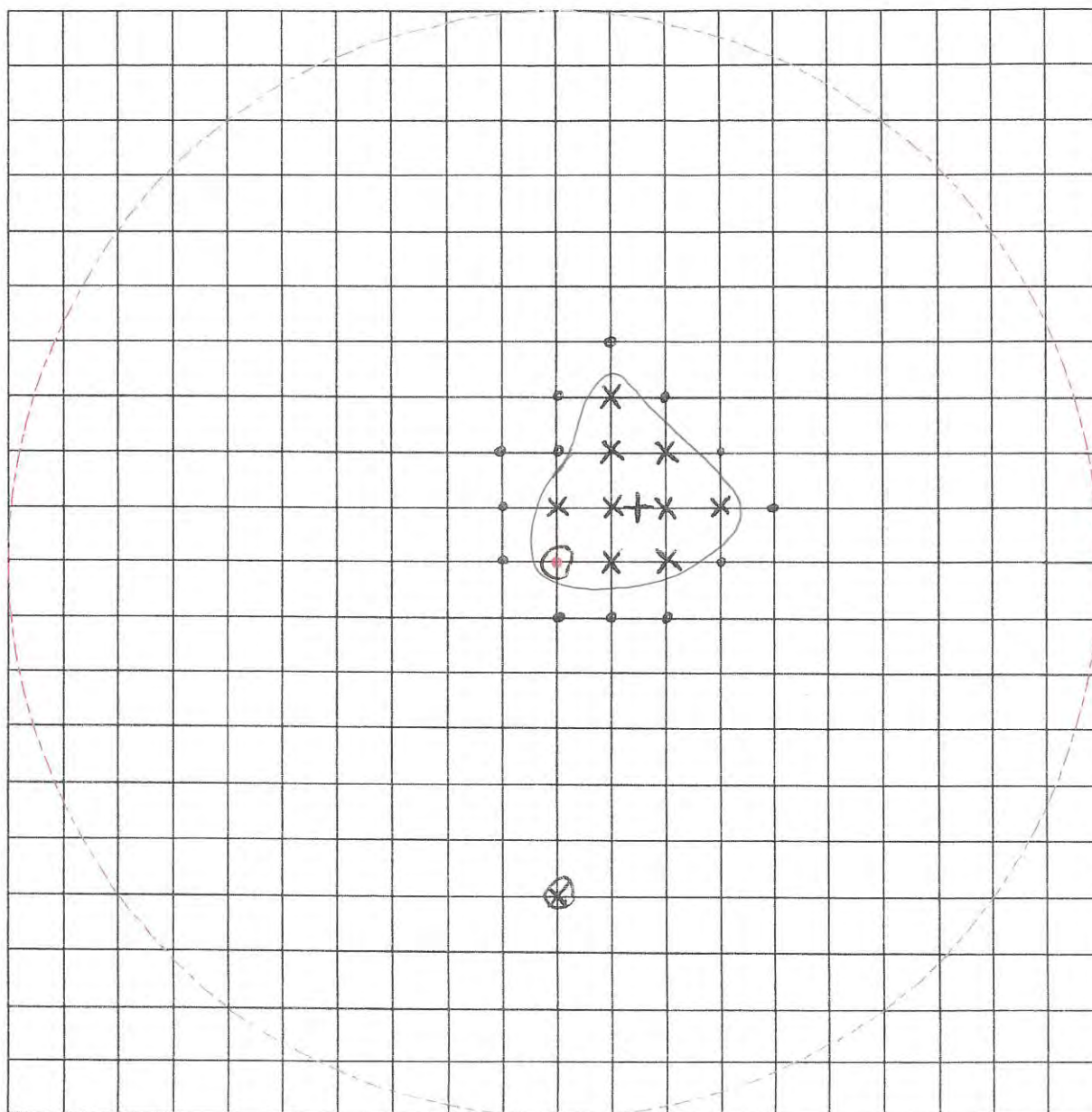
BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				P22				
				13 HOLES AT 1m CENTRE				
				TO 3m				
				TYPICAL LOG,				
	GL	2-		SOFT DRILLING				
	2-	3-		INTO SOLID				
				9 HOLES AT 1m CENTRE				
				TO 13m				
	GL	12-		SOFT DRILLING FIRM BANDS				
	12	13-		INTO SOLID				
				1 HOLE INTO CENTRE OF				
				BELL PIT				
	GL	12-		SOFT DRILLING FIRM BANDS				
	12-	13-		INTO SOLID				

REMARKS:	GAS MONITORING	
	$\text{CH}_4 :$	% LEL
	$\text{H}_2\text{S} :$	PPM
	$\text{CO} :$	PPM
	$\text{O}_2 :$	%
	NOTES:	
		R.E./SUPERVISOR

[illegible]

UR M/S 12

5CM



LEGEND

⊕ P22

⊗ R22

+ CENTRE OF BELL PIT

X PROBE HOLES INTO BELL PIT

• PROBE HOLES OUT OF BELL PIT

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

M SMITH

Scale

1:125

Job Title

LICKERS LANE

SITE B SHEET 3

Date

1-9-2022

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITERS SHEET 3	DAY / DATE	THURSDAY 1-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKER LANE SITE B SHEET 3	DAY / DATE	THURSDAY 1-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	THURSDAY 1-9-2022	DRILLER	M SMITH
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	Thu 1/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P 34	0	1.5	2-	Fill + clay				
	1.5	4.3		Coal, mudstone				
	4.3	10-		mudstone				
P 32	0	1.5	2-	Fill + clay				
	1.5	5-		Coal, mudstone				
	5-	10-		mudstone				
S 33	0	1.5	2-	Fill + clay				
	1.5	7-		Coal, mudstone				
	7-	10-		mudstone				
S 35	0	1.5	2-	Fill + clay				
	1.5	4-		Coal				
	4-	5.8		Slightly broke, lost flush				
	5.8	10-		Firm				
R 34	0	1.5	2-	Fill + clay				
	1.5	4.4		Coal				
	4.4	6.7		Weak, lost flush				
	6.7	10-		Firm				
R 32	0	1.5	2-	Fill + clay				
	1.5	6.4		Coal, mudstone				
	6.4	10-		mudstone				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	Thu 1/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U 31	U 1.5 3.8 8.3	1.5 3.8 8.3 11-	2-	Fill + clay Coal, mudstone Slightly broke, lost flush Firm				
U 33	U 1.8 7.6	1.8 7.6 10-	2-	Fill + clay Coal, mudstone mudstone				
U 35	U 1.5 6.2 10-	1.5 6.2 10-	2-	Fill + clay Coal, mudstone mudstone				
T 36	U 1.5 5- 10-	1.5 5- 10-	2-	Fill + clay Coal, mudstone mudstone				
T 34	U 1.5 3- 5.9 10-	1.5 3- 5.9 10-	2-	Fill + clay Coal, mudstone weak, lost flush Firm				
T 32	U 1.5 7.2 10-	1.5 7.2 10-	2-	Fill + clay Coal, mudstone Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20.9 %	
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

[illegible]

[illegible]

[illegible]

DAILY SITE RECORD

[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Fri 2/9/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC 35	0	1.0	2.0	fill + Clay				
	1.0	6.0		Mudstone				
	6.0	7.3		coal				
	7.3	9.0		Mudstone				
	9.0	10.9		Weak drilling, lost flush				
	10.9	12.0		firm drilling				
AC 37	0	1.0	2.0	fill + Clay				
	1.0	4.3		Mudstone				
	4.3	6.4		Weak drilling, Poor return				
	6.4	8.0		Mudstone				
	8.0	9.9		Broken ground, lost flush				
	9.9	11.0		firm drilling				
AC 39	0	1.0	2.0	fill + Clay				
	1.0	3.0		Mudstone				
	3.0	4.9		coal				
	4.9	6.5		Mudstone				
	6.5	8.8		Broken ground, lost flush				
	8.8	10.0		firm drilling				
AC 41	0	1.0	2.0	fill + Clay				
	1.0	3.5		coal				
	3.5	4.7		Mudstone				
	4.7	7.0		Broken ground, lost flush				
	7.0	10.0		firm drilling				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B; Sheet 3	DAY / DATE	Fr: 21/9/22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC	CL	1-0	2-0	fill + Clay				
43	1-0	2-0		COCI				
	2-0	3-0		Mudstone				
	3-0	5-8		Broken gravel, lost flush				
	5-8	10-0		firm drilling.				
AC	CL	1-0	2-0	fill + Clay				
45	1-0	30-0		Mudstone / Sandstone				
AE	CL	1-5	2-0	fill + Clay / COCI tracer				
45	1-5	10-0		Mudstone				
AE	CL	1-5	2-0	fill + Clay				
43	1-5	4-0		Weak drilling, lost flush				
	4-0	10-0		firm drilling.				
AE	CL	1-0	2-0	fill + Clay				
41	1-0	3-0		Mudstone				
	3-0	5-0		Weak drilling, poor return				
	5-0	6-5		Mudstone				
	6-5	7-7		Broken gravel, lost flush.				
	7-7	10-0		firm drilling.				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 21.0 %
	NOTES:	
	R E /SUPERVISOR	

[illegible]

Tel: 01902 885241

SITE / JOB No.	Luckers Lane, Site B, Sheet 3	DAY / DATE	Fri 2 / 9 / 22	DRILLER	L. Howarth
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[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	FRIDAY 2-9-2022	DRILLER	WISNITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W27								
	GL	1.6		FILL/CLAY				
	1.6	6.5	2m	MUDSTONE/SANDSTONE				
	6.5	9.5		CCAL				
	9.5	10.5		MUDSTONE				
	10.5	12.5		CCAL				
	12.5	14-		MUDSTONE				
V26								
	GL	1.7		FILL/CLAY				
	1.7	5-	2m	MUDSTONE				
	5-	9-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	9-	10-		FIRM DRILLING				
	10	13-		WEAK DRILLING				
	13-	15-		FIRM DRILLING				
T26								
	GL	2.3		FILL/CLAY				
	2.3	6-	3m	MUDSTONE				
	6-	8-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	8-	9		FIRM DRILLING				
	9-	12-		WEAK DRILLING				
	12-	14		FIRM DRILLING				
P26								
	GL	2.2		FILL/CLAY				
	2.2	4-	3m	MUDSTONE				
	4-	9		SLIGHTLY BROKEN GROUND LOST FLUSH				
	9	11		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	WICKER LANE SITE B SHEET 3	DAY / DATE	MONDAY 5-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA 21	GL	1.7		FILL/CLAY				
	1.7	9.5	2m	MUDSTONE/SANDSTONE				
	9.5	14-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	14-	15.5		FIRM DRILLING				
	15.5	17-		WEAK DRILLING				
	17	19-		FIRM DRILLING				
Y21								
	GL	1.7		FILL/CLAY				
	1.7	8.5	2m	MUDSTONE/SANDSTONE				
	8.5	13-		WEAK DRILLING POOR CEMENT RETURNS				
	13-	14.5		MUDSTONE				
	14.5	16-		CALC				
	16-	18-		MUDSTONE				
AA 19	GL	1.7		FILL/CLAY				
	1.7	12.5	2m	MUDSTONE/SANDSTONE				
	12.5	15.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	15.5	16.5		FIRM DRILLING				
	16.5	18.5		WEAK DRILLING				
	18.5	20-		FIRM DRILLING				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0	PPM
	CO : 0 PPM	O ₂ :	20.9 %
	NOTES: CO ₂		
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	MONDAY 5.9.2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Y19								
	GL	17		Fill/CLAY				
	17	11-	2m	MUDSTONE/SANDSTONE				
	11-	14-		COAL				
	14-	15.5		MUDSTONE				
	15.5	17.5		COAL				
	17.5	20-		MUDSTONE				
Z18								
	GL	18		Fill/CLAY				
	18	12.5	2m	MUDSTONE/SANDSTONE				
	12.5	15-		COAL				
	15-	16.4		MUDSTONE				
	16.4	18.4		COAL				
	18.4	20-		MUDSTONE				
Z20								
	GL	17		Fill/CLAY				
	17	12.5	2m	MUDSTONE/SANDSTONE				
	12.5	17.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	17.5	20-		FIRM DRILLING				
AB								
20	GL	1.6		Fill/CLAY				
	1.6	13-	2m	MUDSTONE/SANDSTONE				
	13-	15.5		WEAK DRILLING, POOR COAL RETURNS				
	15.5	16.5		MUDSTONE				
	16.5	18.5		COAL				
	18.5	20-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 3	DAY / DATE	MONDAY 5-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO2 0	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Mon 5/9/22	DRILLER	L. Henderson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AD 42	0	1.0	2.0	fill + Clay				
	1.0	3.0		Weak drilling, Poor core return				
	3.0	10.0		Mudstone				
AD 44	0	1.0	2.0	fill + Clay				
	1.0	2.0		core				
	2.0	10.0		Mudstone				
AD 46	0	1.5	2.0	fill + Clay				
	1.5	30.0		Sandstone				
AA 37	0	1.0	2.0	fill + Clay				
	1.0	4.0		Mudstone				
	4.0	9.0		Broken ground, lost flush.				
	9.0	10.0		firm drilling.				
AA 39	0	1.0	2.0	fill + Clay				
	1.0	3.0		Mudstone				
	3.0	4.0		Weak drilling, Poor return.				
	4.0	5.5		Mudstone				
	5.5	7.5		Slightly broken, lost flush				
	7.5	10.0		firm drilling				
AA 41	0	1.0	2.0	fill + Clay				
	1.0	3.0		core				
	3.0	3.5		Mudstone				
	3.5	6.0		Weak drilling, lost flush.				
	6.0	10.0		firm drilling.				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPMCO₂: 0 PPM O₂: 20.9 %

NOTES:

DELIVERY

TICKET No.

QUANTITY

R.E./SUPERVISOR

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Mon 5 / 9 / 22	DRILLER	L. Howdorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA 43	CL	1-0	2-0	fin + Clay				
	1-0	2-0		coar				
	2-0	3-5		Mudstone				
	3-5	5-0		Broken grana, lost flusl.				
	5-0	10-0		firm drilling.				
AA 45	CL	1-5	2-0	fin + Clay				
	1-5	30-0		Mudstone.				
AB 44	CL	1-0	2-0	fin + Clay				
	1-0	2-0		coar				
	2-0	10-0		Mudstone.				
AB 46	CL	1-0	2-0	fin + Clay				
	1-0	30-0		Sandstone				
AB 42	CL	1-0	2-0	fin + Clay				
	1-0	2-5		coar				
	2-5	6-0		Weak drilling, lost flusl.				
	6-0	10-0		firm drilling.				
AB 40	CL	1-0	2-0	fin + Clay				
	1-0	3-0		coar				
	3-0	5-7		Mudstone				
	5-7	7-0		Weak drilling. Poor return				
	7-0	10-0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 20 PPM	O_2 : 21.0 %
	NOTES:	
	R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Mon 5/9/22	DRILLER	L. Howden
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB 38	CL	1-0	2-0	fill + Clay				
	1-0	3-2		Mudstone				
	3-2	8-9		Broken ground, lost fluid.				
	8-9	10-0		firm drilling.				
AB 36	CL	1-0	2-0	fill + Clay				
	1-0	3-0		Mudstone				
	3-0	5-0		Weak drilling, Poor returns.				
	5-0	7-2		Mudstone				
	7-2	9-8		Weak drilling, lost fluid.				
	9-8	11-0		firm drilling.				
AB 34	CL	1-0	2-0	fill + Clay				
	1-0	6-0		Mudstone				
	6-0	7-5		COCI				
	7-5	8-7		Mudstone				
	8-7	11-5		Broken ground, lost fluid.				
	11-5	13-0		firm drilling.				
AB 32	CL	1-0	2-0	fill + Clay				
	1-0	9-0		Mudstone				
	9-0	12-0		Weak drilling, lost fluid.				
	12-0	13-0		firm drilling.				
AB 30	CL	1-0	2-0	fill + Clay				
	1-0	3-5		Mudstone				
	3-5	6-0		Broken ground, lost fluid.				
	6-0	15-0		firm drilling.				

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[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Cove, site B, Sheet 3	DAY / DATE	Mon 5/9/22	DRILLER	L-Hawson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X22	CL	1-0	2-0	fill + Clay				
	1-0	10-9		Mudstone				
	10-9	12-0		coal				
	12-0	13-5		Mudstone				
	13-5	15-6		Broken ground, lost flwr.				
	15-6	17-0		firm drilling.				
AA	CL	1-0	2-0	fill + Clay				
25	1-0	8-5		Mudstone				
	8-5	12-0		Weak drilling, lost flwr.				
	12-0	14-8		firm drilling				
	14-8	15-1		Weak drilling.				
	15-1	17-0		firm drilling				
X24	CL	1-0	2-0	fill + Clay				
	1-0	8-8		Mudstone				
	8-8	10-9		Weak drilling, Poor return.				
	10-9	13-0		Mudstone				
	13-0	14-8		Weak drilling, Poor return.				
	14-8	16-0		Mudstone				
Z24	CL	1-0	2-0	fill + Clay				
	1-0	7-4		Mudstone				
	7-4	11-3		Broken ground, lost flwr.				
	11-3	13-0		firm drilling				
	13-0	15-0		Weak drilling				
	15-0	16-0		firm drilling.				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	mon 5/9/22	DRILLER	D. Holdnall
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[illegible][illegible][illegible]

SITE / JOB No.	lickers lane Sheet 3	site B	DAY / DATE	mon 5/9/22	DRILLER	D. Moldnaill
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X 42	U 1-8	1-8 3-	2-	Fill + clay Coal Mudstone				
X 44	U 1-8	1-8 30-	2-	Fill + clay Mudstone				
V 40	U 1-5	1-5 3-8	2-	Fill + clay Coal Mudstone				
V 42	U 1-5	1-5 30-	2-	Fill + clay Mudstone				
T 42	U 1-5	1-5 30-	2-	Fill + clay Mudstone				
R 42	U 1-5	1-5 2-4	2-	Fill + clay Coal Mudstone				
R 44	U 1-5	1-5 30-	2-	Fill + clay Mudstone				
P 40	U 1-8	1-8 30-	2-	Fill + clay Mudstone				

[illegible]

R.E./SUPERVISOR

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers lane site B Sheet 3	DAY / DATE	Tue 6/8/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
08	0	2-	2-	fill + clay				
	2-	13.4		mudstone				
	13.4	18-		weak drilling, poor returns				
	18-	20-		mudstone				
09	0	2-	2-	fill + clay				
	2-	14.3		mudstone				
	14.3	17.8		weak drilling, poor returns				
	17.8	20-		mudstone				
10	0	2-	2-	fill + clay				
	2-	13-		mudstone				
	13-	14-		Coal				
	14-	17-		mudstone				
	17-	18.1		Coal				
	18.1	21-		mudstone				
11	0	2-	2-	fill + clay				
	2-	13-		mudstone				
	13-	17.9		weak drilling, poor returns				
	17.9	20-		mudstone				
12	0	2-	2-	fill + clay				
	2-	11.8		mudstone				
	11.8	17.4		weak drilling, poor returns				
	17.4	20-		mudstone				

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DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

[illegible]

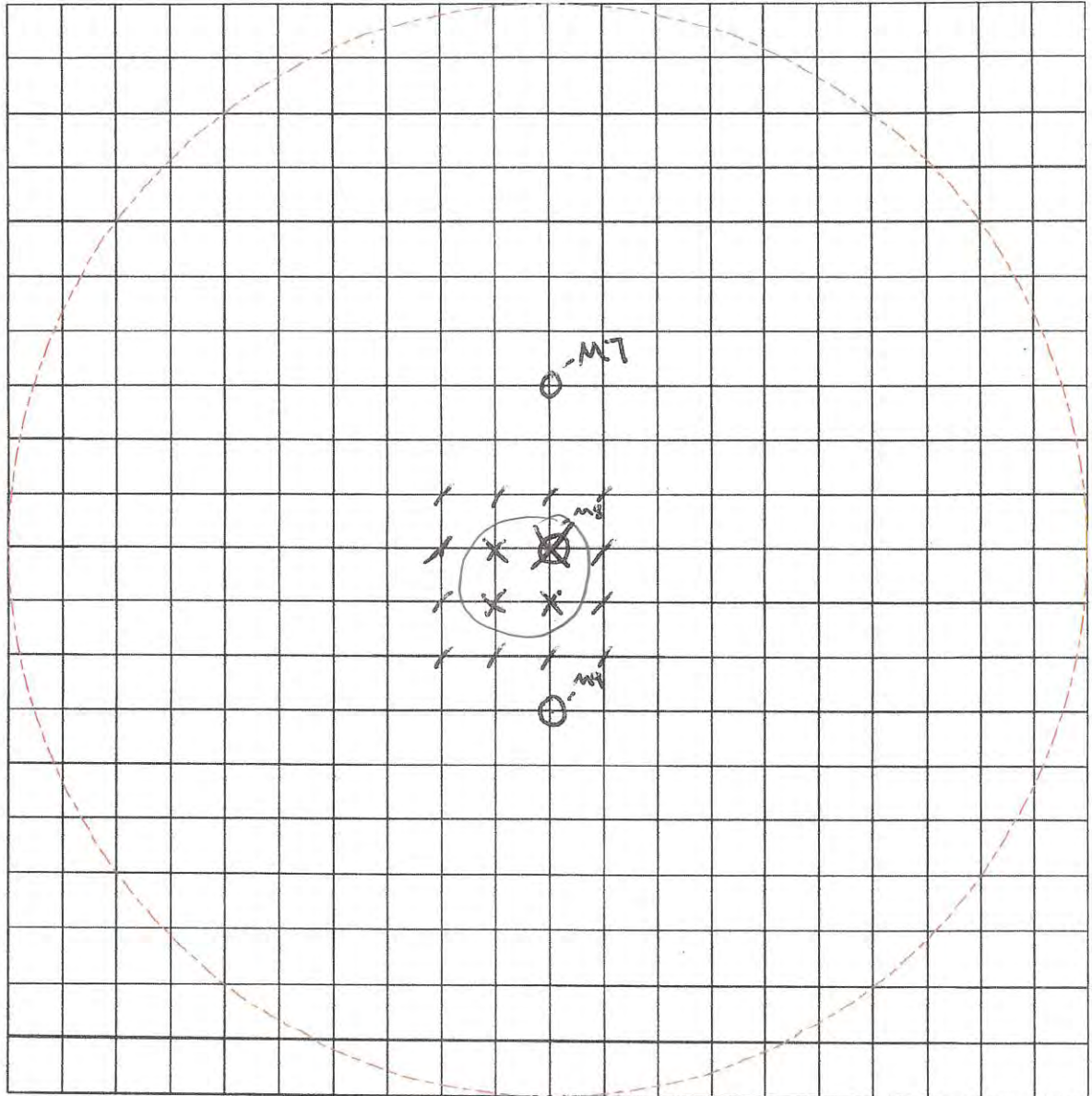
5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF QC 1.1/5A

M8 - Feature

5CM



1 - GL - 2 - Soft drilling
2 - 3 - firm drilling

~~X~~ - GL - 20 - Soft drilling
20 - 21 - firm drilling

X - 11 - 10 - Soft drilling
"Still going"

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By
D. Holdnall

Scale
1:125

Job Title
lickers lane site B
Sheet 3

Date
Tue
6/8/22

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAWE SITERS SHEET 3	DAY / DATE	TUESDAY 6-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S2								
	GL	1.8		Fill/CLAY				
	1.8	21-	2m	MUDSTONE/SANDSTONE				
	21-	22.5		Coal				
	22.5	24.5		MUDSTONE				
	24.5	26.5		Coal				
	26.5	28-		MUDSTONE				
S4								
	GL	1.7		Fill/CLAY				
	1.7	20.5	2m	MUDSTONE/SANDSTONE				
	20.5	26-		WEAK DRILLING POOR COAL RETURN				
	26-	28-		MUDSTONE				
S6								
	GL	1.7		Fill/CLAY				
	1.7	19-	2m	MUDSTONE/SANDSTONE				
	19-	21-		WEAK DRILLING POOR COAL RETURN				
	21-	23-		MUDSTONE				
	23-	24.5		Coal				
	24.5	26-		MUDSTONE				
R7								
	GL	1.7		Fill/CLAY				
	1.7	14-	2m	MUDSTONE				
	14-	19.5		WEAK DRILLING LOST FULLY FIRM BANDS				
	19.5	21-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	TUESDAY 6-4-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R5								
	GL	1.8		Fill/clay				
	1.8	19-	2m	MUDSTONE/SANDSTONE				
	19-	21-		COAL				
	21-	22.5		MUDSTONE				
	22.5	24-		COAL				
	24-	26-		MUDSTONE				
R9								
	GL	1.8		Fill/clay				
	1.8	15-	2m	MUDSTONE/SANDSTONE				
	15-	20.5		WEAK DRILLING POOR COAL/MUDSTONE RETURN				
	20.5	22-		MUDSTONE				
S10								
	GL	1.8		Fill/clay				
	1.8	15.5	2m	MUDSTONE/SANDSTONE				
	15.5	21.5		COAL/MUDSTONE				
	21.5	23-		MUDSTONE				
R11								
	GL	1.8		Fill/clay				
	1.8	12.5	2m	MUDSTONE/SANDSTONE				
	12.5	15.5		WEAK DRILLING LOST FILL				
	15.5	18-		FIRM DRILLING				
	18-	20		WEAK DRILLING				
	20-	22-		FIRM DRILLING				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q10								
	GL	1.8		FILL/CLAY				
	1.8	14.5	2m	MUDSTONE/SANDSTONE				
	14.5	19.5		COAL/MUDSTONE				
	19.5	22-		MUDSTONE				
Q8								
	GL	1.9		FILL/CLAY				
	1.9	13-	2m	MUDSTONE/SANDSTONE				
	13-	19-		WEAK DRILLING LOST FLUSH				
	19-	21-		FIRM DRILLING				
Q4								
	GL	1.8		FILL/CLAY				
	1.8	18.5	2m	MUDSTONE/SANDSTONE				
	18.5	19.5		COAL				
	19.5	21-		MUDSTONE				
	21-	22.5		COAL				
	22.5	24-		MUDSTONE				
III								
	GL	2.2		FILL/CLAY				
	2.2	15-	3m	MUDSTONE/SANDSTONE				
	15-	16.5		COAL				
	16.5	18.5		MUDSTONE				
	18.5	20.5		COAL				
	20.5	22-		MUDSTONE				

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Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	TUESDAY 6-9-2022	DRILLER	M SMITH
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[illegible][illegible][illegible]

DRILLER *L. Hawthorn*

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Tuesday	DATE	6/9/22	SITE	Lickers Lane, Site B, Sheet 6.
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
<i>AK</i>	<i>CL</i>	<i>1.0</i>	<i>4.0</i>	<i>fill</i>					
<i>15</i>	<i>1.0</i>	<i>3.0</i>		<i>Yellow Sand</i>					
	<i>3.0</i>	<i>27.2</i>		<i>Yellow Sandstone</i>					
	<i>27.2</i>	<i>30.0</i>		<i>Brown Sandstone</i>					
<i>AK</i>	<i>CL</i>	<i>0.5</i>	<i>2.0</i>	<i>fill</i>					
<i>3</i>	<i>0.5</i>	<i>1.6</i>		<i>Yellow Sand</i>					
	<i>1.6</i>	<i>30.0</i>		<i>Yellow Sandstone</i>					
<i>Q13</i>	<i>CL</i>	<i>0.5</i>	<i>4.0</i>	<i>fill</i>					
	<i>0.5</i>	<i>3.0</i>		<i>Yellow Sand</i>					
	<i>3.0</i>	<i>6.2</i>		<i>Yellow Sandstone</i>					
	<i>6.2</i>	<i>16.4</i>		<i>Brown Sandstone</i>					
	<i>16.4</i>	<i>30.0</i>		<i>Yellow Sandstone</i>					
<i>Q3</i>	<i>CL</i>	<i>0.4</i>	<i>4.0</i>	<i>fill</i>					
	<i>0.4</i>	<i>3.6</i>		<i>Yellow Sand</i>					
	<i>3.6</i>	<i>30.0</i>		<i>Yellow Sandstone</i>					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☒ FOAM ☐ OTHER ☐	<i>Klemm</i>
MID-SHIFT		LOSS OF FLUSH / EXTENT <i>None.</i>	START TIME
END OF SHIFT			BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE <i>Button.</i>	WEATHER <i>Sunny</i>
SEEPAGES		BIT SIZE <i>70mm.</i>	GAS MONITORING
DRYING OUT		CORE DRILLING	CH ₄ : <i>0</i> % LEL H ₂ S : <i>0</i> PPM
		BIT TYPE	CO ₂ : <i>0</i> PPM O ₂ : <i>20.9</i> %
CASING SIZE - DEPTH <i>101mm.</i>		BIT SIZE	NOTES:
		BACKFILL	REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS	
		INSTRUMENTATION	R.E.

WATER LEVELS	TIME	FLUSHING MEDIUM					PLANT IN USE
START OF SHIFT		AIR	WATER	☒ FOAM	OTHER		<i>Klemm.</i>
MID-SHIFT		LOSS OF FLUSH / EXTENT <i>None.</i>					START TIME
END OF SHIFT							BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING					FINISH TIME
FIRST STRUCK		BIT TYPE <i>Bullet.</i>					WEATHER <i>Sunny.</i>
SEEPAGES		BIT SIZE <i>7mm.</i>					GAS MONITORING
DRYING OUT		CORE DRILLING					CH ₄ : <i>0</i> % LEL H ₂ S : <i>0</i> PPM
		BIT TYPE					CO ₂ : <i>0</i> PPM O ₂ : <i>20.9</i> %
CASING SIZE - DEPTH <i>101mm.</i>		BIT SIZE					NOTES:
		BACKFILL					REMARKS - VISITORS
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS					
		INSTRUMENTATION					R.E.

SITE / JOB No.	Lickers Lane, Site B, Street 3	DAY / DATE	Tue 6/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X26	CL	1.0	2.0	fill + Clay				
	1.0	8.5		Mudstone				
	8.5	9.8		Broken ground, lost flush				
	9.8	13.0		firm drilling.				
	13.0	14.0		weak drilling				
	14.0	15.0		firm drilling.				
Z26	CL	1.0	2.0	fill + Clay				
	1.0	9.0		Mudstone				
	9.0	10.0		coal				
	10.0	11.9		Mudstone				
	11.9	14.5		Broken ground, lost flush				
	14.5	16.0		firm drilling.				
AA	CL	1.0	2.0	fill + Clay				
27	1.0	6.0		Mudstone				
	6.0	9.0		Broken ground, lost flush				
	9.0	10.5		firm drilling				
	10.5	14.9		weak drilling				
	14.9	16.0		firm drilling.				
Z38	CL	1.0	2.0	fill + Clay				
	1.0	2.2		coal				
	2.2	4.5		weak drilling, poor return				
	4.5	6.0		Mudstone				
	6.0	7.7		Broken ground, lost flush				
	7.7	10.0		firm drilling.				

REMARKS:	GAS MONITORING			
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM		
	CO ₂ : 0 PPM	O ₂ : 20.9 %		
	NOTES:			
	R.E./SUPERVISOR			

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B. Sheet 3	DAY / DATE	Tue 6 / 9 / 22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Z40	CL	1.0	2.0	fill + Clay				
	1.0	2.3		COCl				
	2.3	3.5		Mudstone				
	3.5	6.2		Broken gravel, lost plug.				
	6.2	10.0		firm drilling.				
Z42	CL	1.0	2.0	fill + Clay				
	1.0	1.5		COCl				
	1.5	2.0		Mudstone				
	3.0	5.0		COCl				
	5.0	10.0		Mudstone				
Z44	CL	1.0	2.0	fill + Clay				
	1.0	2.5		COCl				
	2.5	10.0		Mudstone				
Z46	CL	1.0	2.0	fill + Clay				
	1.0	30.0		Mudstone / Sandstone				
AF 46	CL	1.0	2.0	fill + Clay				
	1.0	30.0		Mudstone / Sandstone				
AF 42	CL	1.0	2.0	fill + Clay				
	1.0	2.8		COCl				
	2.8	4.0		Mudstone				
	4.0	7.5		Weak drilling, Poor return				
	7.5	10.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM

CO: 0 PPM O₂: 21.0 %

NOTES:

R.E./SUPERVISOR

DELIVERY

TICKET No.

QUANTITY

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickerr Lane, Site B, Sheet 3	DAY / DATE	Tue 6 / 9 / 22	DRILLER	L. Howson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF 38	CL	1.0	2.0	fill + Clay				
	1.0	5.8		Mudstone				
	5.8	6.7		COCl				
	6.7	9.3		Mudstone				
	9.3	10.5		COCl				
	10.5	12.0		Mudstone				
AE 36	CL	1.0	2.0	fill + Clay				
	1.0	3.7		Mudstone				
	3.7	7.5		Broken ground, lost flush.				
	7.5	9.8		firm drilling				
	9.8	11.0		Weak drilling				
	11.0	12.0		firm drilling.				
AF 34	CL	1.0	2.0	fill + Clay				
	1.0	7.2		Mudstone				
	7.2	8.3		COCl				
	8.3	9.5		Mudstone				
	9.5	12.7		Broken ground, lost flush				
	12.7	14.0		firm drilling.				
AE 32	CL	1.0	2.0	fill + Clay				
	1.0	5.5		Mudstone				
	5.5	14.0		Broken ground, lost flush.				
	14.0	15.0		firm drilling.				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Tue 6/9/22	DRILLER	L. Howdorn
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :		% LEL	H ₂ S : PPM
	CO :		PPM	O ₂ : 20.9 %
	NOTES:			
..... R.E./SUPERVISOR				

[illegible]

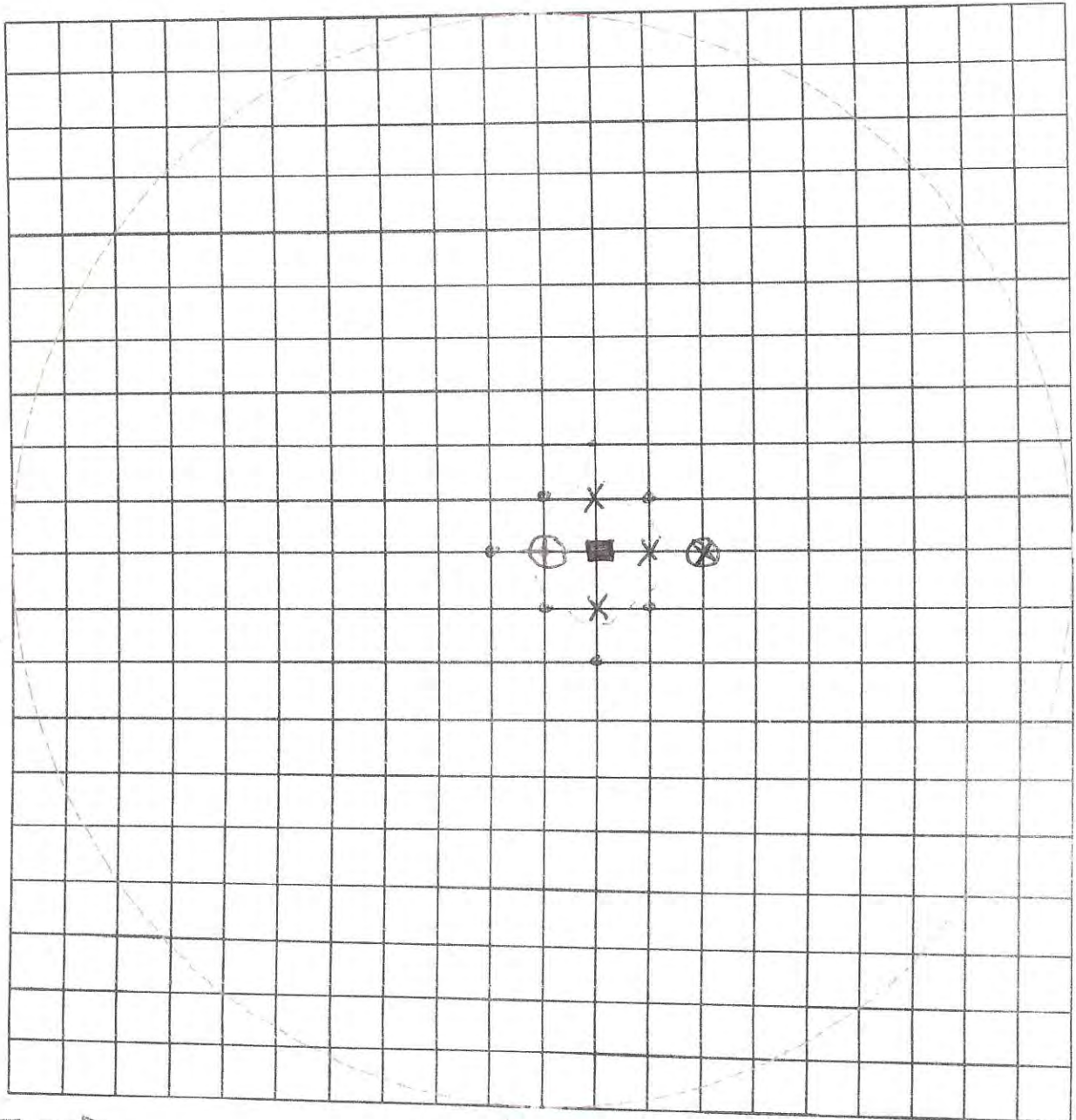
5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF DC 1.1/9A

V7 Core Hole drilled in wrong place etc. Missing

5CM



LEGEND

⊕ V7

⊗ W7

■ CENTRE OF SHAFT

X PROBE HOLES INTO SHAFT

• PROBE HOLES OUT OF SHAFT

CORROSION

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By

Scale

Job Title

Date

M SMITH

1:125

LICKERS LANE

[illegible]

DAILY SITE RECORD

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B. Sheet 4	DAY / DATE	Wed 7/9/22	DRILLER	L. Haines
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C29	CL	0.5	2.0	fin + Clay				
	0.5	6.3		Sandstone				
	6.3	7.8		COOL				
	7.8	9.3		Mudstone				
	9.3	10.0		COOL				
	10.0	11.0		Mudstone				
C41	CL	0.5	2.0	fin + Clay				
	0.5	5.5		Sandstone				
	5.5	6.0		COOL				
	6.0	8.0		Mudstone				
	8.0	10.0		COOL				
	10.0	11.0		Mudstone				
C43	CL	1.0	2.0	fin + Clay				
	1.0	8.5		Sandstone				
	8.5	9.1		COOL				
	9.1	12.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickerr Lane, Site B, Sheet 3	DAY / DATE	Wed 7/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF 26	CL	1.0	2.0	fill + Clay				
	1.0	11.4		Mudstone				
	11.4	16.7		Weak drilling, Poor return.				
	16.7	18.0		Mudstone				
AE 24	CL	1.0	2.0	fill + Clay				
	1.0	11.8		Mudstone				
	11.8	17.7		Broken drilling, lost flush				
	17.7	19.0		firm drilling				
AF 22	CL	1.0	2.0	fill + Clay				
	1.0	12.4		Mudstone				
	12.4	19.3		Weak drilling, Poor return				
	19.3	21.0		Mudstone				
AE 20	CL	1.0	2.0	fill + Clay				
	1.0	13.5		Mudstone				
	13.5	22.0		Weak drilling, Poor return				
	22.0	23.0		Mudstone				
X30	CL	1.0	2.0	fill + Clay				
	1.0	6.0		Mudstone				
	6.0	7.1		coal				
	7.1	9.0		Mudstone				
	9.0	10.5		Weak drilling. Poor return				
	10.5	12.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPMCO: 0 PPM O₂: 20.9 %

NOTES:

..... R.E./SUPERVISOR

DELIVERY

TICKET No.

QUANTITY

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Wed 7/9/22	DRILLER	L. Hawdon
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V29	CL	1.0	2.0	fill + Clay				
	1.0	5.6		Mudstone				
	5.6	7.0		COOL				
	7.0	9.1		Mudstone				
	9.1	10.4		COOL				
	10.4	12.0		Mudstone				
T30	CL	1.0	2.0	fill + Clay				
	1.0	3.1		Mudstone				
	3.1	4.8		COOL				
	4.8	6.7		Mudstone				
	6.7	7.9		COOL				
	7.9	10.0		Mudstone				
R29	CL	1.0	2.0	fill + Clay				
	1.0	3.0		Mudstone				
	3.0	5.0		Weak drilling, Poor return.				
	5.0	6.5		Mudstone				
	6.5	8.0		Weak drilling, Poor return.				
P30	CL	1.0	2.0	fill + Clay				
	1.0	2.7		COOL				
	2.7	3.8		Mudstone				
	3.8	6.5		Weak drilling, Poor return.				
	6.5	10.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPMCO: 0 PPM O₂: 20.9 %

NOTES:

R.E./SUPERVISOR

DELIVERY

TICKET No.

QUANTITY

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 3	DAY / DATE	wed 7/9/22	DRILLER	L. Hancock
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N29	CL	1.0	2.0	fill + Clay				
	1.0	2.0		Coal				
	2.0	3.3		Mudstone				
	3.3	6.0		Weak drilling,				
	6.0	10.0		Mudstone				
AF	CL	1.0	2.0	fill + Clay				
18	1.0	14.9		Mudstone				
	14.9	18.0		Broken ground, lost flush				
	18.0	19.9		firm drilling				
	19.9	21.5		Weak drilling				
	21.5	23.0		firm drilling				
AE	CL	1.0	2.0	fill + Clay				
16	1.0	14.7		Mudstone				
	14.7	17.7		Weak drilling, Poor return				
	17.7	20.0		Mudstone				
	20.0	21.4		Weak drilling, Poor return				
	21.4	23.0		Mudstone				
AF	CL	1.0	2.0	fill + Clay				
14	1.0	15.5		Mudstone				
	15.5	18.7		Weak drilling, Poor return				
	18.7	20.0		Mudstone				
	20.0	22.7		Weak drilling, Poor return				
	22.7	24.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 21.0 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 3	DAY / DATE	Wed 7/9/22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
<i>TS</i> AB 29	CL	1.0	2.0	fill + Clay				
	1.0	8.3		Mudstone				
	8.3	10.0		Weak drilling, Poor return				
	10.0	12.0		Mudstone				
	12.0	13.2		coal				
	13.2	15.0		Mudstone				
<i>S</i> AB 33	CL	1.0	2.0	fill + Clay				
	1.0	8.5		Mudstone				
	8.5	11.1		Weak drilling, Poor return				
	11.1	13.0		Mudstone				
<i>S</i> AB 35	CL	1.0	2.0	fill + Clay				
	1.0	5.0		Mudstone				
	5.0	10.3		Weak drilling, Poor return				
	10.3	12.0		Mudstone				
<i>S</i> AC 34	CL	1.0	2.0	fill + Clay				
	1.0	5.9		Mudstone				
	5.9	7.3		coal				
	7.3	9.2		Mudstone				
	9.2	10.8		Weak drilling, Poor return				
	10.8	12.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPMCO: 0 PPM O₂: 20.9 %

NOTES:

..... R.E./SUPERVISOR

DELIVERY

TICKET No.

QUANTITY

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 3	DAY / DATE	Wed 7/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S AA 34	0	1.0	2.0	fill + Clay				
	1.0	4.7		Mudstone				
	4.7	6.0		coal				
	6.0	7.9		Mudstone				
	7.9	9.4		Weak drilling. Poor returns.				
	9.4	11.0		Mudstone				
S AB 37	0	1.0	2.0	fill + Clay				
	1.0	3.0		Mudstone				
	3.0	5.0		coal				
	5.0	6.9		Mudstone				
	6.9	9.5		Weak drilling. Poor returns.				
	9.5	11.0		Mudstone				
S AB 39	0	1.0	2.0	fill + Clay				
	1.0	3.0		Mudstone				
	3.0	4.0		coal				
	4.0	6.5		Mudstone				
	6.5	8.0		Weak drilling. Poor returns.				
	8.0	10.0		Mudstone				
S AA 38	0	1.0	2.0	fill + Clay				
	1.0	2.9		Mudstone				
	2.9	4.0		Weak drilling. Poor returns.				
	4.0	5.8		Mudstone				
	5.8	7.5		Weak drilling. Poor returns.				
	7.5	10.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM

CO: 0 PPM O₂: 20.9 %

NOTES:

R.E./SUPERVISOR

DELIVERY

TICKET No.

QUANTITY

DAILY SITE RECORD

SITE / JOB No.	Lickers hore, site B, Sheet 3	DAY / DATE	wed 7/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC	CL	1.0	2.0	fill + Clay				
38	1.0	5.0		Mudstone				
	5.0	8.3		Weak drilling, Poor return.				
	8.3	10.0		Mudstone				
AD	CL	1.0	2.0	fill + Clay				
40	1.0	3.2		Mudstone				
	3.2	4.8		coal				
	4.8	6.5		Mudstone				
	6.5	8.5		Weak drilling, Poor return				
	8.5	10.0		Mudstone				
AC	CL	1.0	2.0	fill + Clay				
36	1.0	4.9		Mudstone				
	4.9	6.0		coal				
	6.0	7.5		Mudstone				
	7.5	10.2		Weak drilling, Poor return				
	10.2	12.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
	 R E /SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 3	DAY / DATE	wed 7/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M5	0	2-	2-	Fill + clay				
	2-	18-		Mudstone				
	18-	21.1		Coal, Mudstone				
	21.1	24-		Mudstone				
L7	0	2-	2-	Fill + clay				
	2-	13.9		Mudstone				
	13.9	18.2		Weak drilling, poor returns				
	18.2	21-		Mudstone				
M9	0	2-	2-	Fill + clay				
	2-	12.6		Mudstone				
	12.6	17.8		Weak drilling, poor returns				
	17.8	20-		Mudstone				
J10	0	2-	2-	Fill + clay				
	2-	11-		Mudstone				
	11-	17.1		Weak drilling, poor returns				
	17.1	20-		Mudstone				
K12	0	2-	2-	Fill + clay				
	2-	10.4		Mudstone				
	10.4	16.8		Weak drilling, poor returns				
	16.8	19-		Mudstone				
H11	0	2-	2-	Fill + clay				
	2-	9.7		Mudstone				
	9.7	16-		Weak drilling, poor returns				
	16-	18-		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO: 0 PPM	O ₂ : 20.9 %	
	NOTES:		
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
J 13	U 2- 8- 14-6	2- 8- 14-6 17-	2-	Fill + clay mudstone Weak drilling, poor returns mudstone				
K 14	U 2- 7-3 13-5	2- 7-3 13-5 16-	2-	Fill + clay mudstone Weak drilling, poor returns mudstone				
G 13	U 2- 0-4 13-2	2- 6-9 13-2 16-	2-	Fill + clay mudstone Weak drilling, poor returns mudstone				
F 15	U 2- 6- 10-7	2- 6- 10-7 13-	2-	Fill + clay mudstone Weak drilling, poor returns mudstone				
I 18	U 2- 5- 9-4	2- 5- 9-4 12-	2-	Fill + clay mudstone Weak drilling, poor returns mudstone				
D 24	U 1-5 2-4	1-5 2-4 10-	2-	Fill + clay Coal mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D 20	0	1.8	2-	Fill + clay				
	1.8	3.7		COal				
	3.7	6-		mudstone				
	6-	7.2		Weak, lost Flush				
	7.2	10-		Firm				
B 26	0	1.8	2-	Fill + clay				
	1.8	30-		mudstone				
F 29	0	2-	2-	Fill + clay				
	2-	30-		mudstone				
H 27	0	1.8	2-	Fill + clay				
	1.8	4-		Weak COal, poor returns				
	4-	10-		mudstone				
H 25	0	1.6	2-	Fill + clay				
	1.6	5.1		coal, mudstone				
	5.1	10-		mudstone				
H 30	0	1.8	2-	Fill + clay				
	1.8	2.3		COal				
	2.3	10		mudstone				
J 29	0	1.8	2-	Fill + clay				
	1.8	3.3		COal				
	3.3	10-		Mudstone				

REMARKS:	GAS MONITORING		
	CH_4 :	0 % LEL	H_2S : 0 PPM
	$\text{CO}?$:	0 PPM	O_2 : 20.9 %
	NOTES:		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 3	DAY / DATE	wed 7/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M 26	0	1.8	2-	Fill + clay				
	1.8	3-		mudstone				
	3-	6.5		Coal, mudstone				
	6.5	10-		mudstone				
P 25	0	1.8	2-	Fill + clay				
	1.8	3.8		mudstone				
	3.8	9.4		Weak drilling, poor returns				
	9.4	12-		mudstone				
S 24	0	2-	2-	Fill + clay				
	2-	6.5		mudstone				
	6.5	12.6		Weak drilling, poor returns				
	12.6	15-		mudstone				
V 25	0	1.8	2-	Fill + clay				
	1.8	6.7		mudstone				
	6.7	13.2		Weak drilling, poor returns				
	13.2	16-		mudstone				
S 34	0	1.5	2-	Fill + clay				
	1.5	6.2		Coal, mudstone				
	6.2	10-		mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO ₂ :	0 PPM	O ₂ : 20.9 %
	NOTES:		
	R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE 3 SHEET 3	DAY / DATE	WEDNESDAY 7-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
TS J19	GL	1.9		FILL/CLAY				
	1.9	4-	2m	MUDSTONE				
	4-	6-		WEAK DRILLING POOR COAL RETURNS				
	6-	8-		MUDSTONE				
	8-	10-		COAL				
	10	12		MUDSTONE				
TS I22	GL	1-		FILL				
	1-	4	2m	COAL				
	4-	5-		MUDSTONE				
	5-	7-		WEAK DRILLING POOR COAL RETURNS				
	7-	10-		MUDSTONE				
J H21	GL	1.5		FILL				
	1.5	4-	2m	COAL				
	4-	5.5		MUDSTONE				
	5.5	7.5		COAL				
	7.5	10-		MUDSTONE				
J G20	GL	1.5		FILL				
	1.5	4.5	2m	COAL				
	4.5	5.5		MUDSTONE				
	5.5	7.5		COAL				
	7.5	10-		MUDSTONE				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM

CO: 0 PPM O₂: 20.9 %

NOTES: CO₂ 0

DELIVERY

TICKET No.

QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

REMARKS:	GAS MONITORING		
	CH_4 : 0 % LEL	H_2S : 0 PPM	
	CO : 0 PPM	O_2 : 20.9 %	
	NOTES: CO_2 0		
		R E / SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	WICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 7-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X7								
	GL	2.2		FILL/CLAY				
	2.2	20-	3m	MUDSTONE/SANDSTONE				
	20-	25.5		WEAK DRILLING POOR COAL RETURN				
	25.5	27-		MUDSTONE				
AB								
11	GL	1.9		FILL/CLAY				
	1.9	18-	2m	MUDSTONE/SANDSTONE				
	18-	24-		COAL/MUDSTONE				
	24-	26-		MUDSTONE				
AE								
4	GL	1.9		FILL/CLAY				
	1.9	3.5	2m	COAL				
	3.5	26-		MUDSTONE				
	26-	28-		SLIGHTLY BROKEN GROUND LOST FILL SH				
	28-	29.5		FIRM DRILLING				
	29.5	32-		WEAK DRILLING				
	33	35-		FIRM DRILLING				
AE								
8	GL	1.7		FILL/CLAY				
	1.7	23-	2m	MUDSTONE/SANDSTONE				
	23-	25		COAL				
	25-	26.5		MUDSTONE				
	26.5	28.5		COAL				
	28.5	30		MUDSTONE				

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DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 3	DAY / DATE	WEDNESDAY 7-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING
	CH_4 : 0 % LEL H_2S : 0 PPM
	CO : 0 PPM O_2 : 20.9 %
	NOTES: CO_2 0
	R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 3	DAY / DATE	WEDNESDAY 7-9-2022	DRILLER	W SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AE 12	GL	2-2		FILL/CLAY				
	2-2	20	3m	MUDSTONE/SILTSTONE				
	20	25.5		WEAK DRILLING POOR COAL RETURN				
	25.5	27-		MUDSTONE				
AF 10	GL	1.9		FILL/CLAY				
	1.9	22-	2m	MUDSTONE/SILTSTONE				
	22-	24-		COAL				
	24-	25.5		MUDSTONE				
	25.5	27.5		COAL				
	27.5	30-		MUDSTONE				
AF 6	GL	1.8		FILL/CLAY				
	1.8	3-	2m	MUDSTONE				
	3-	3.5		COAL				
	3.5	24.5		MUDSTONE				
	24.5	26-		COAL				
	26-	28.5		MUDSTONE				
	28.5	30-		COAL				
	30	32-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

T_s

T_s

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 4	DAY / DATE	THURSDAY 8-9-2022	DRILLER	MSMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A23								
	GL	1.7		FILL/CLAY				
	1.7	13-	2m	MUDSTONE/SANDSTONE				
	13-	18-		COAL/MUDSTONE				
	18-	20		MUDSTONE				
B22								
	GL	1.8		FILL/CLAY				
	1.8	12.5	2m	MUDSTONE/SANDSTONE				
	12.5	19.4		SLIGHTLY BROKEN GROUND LOST FLUSH				
	19.4	21-		FIRM DRILLING				
C21								
	GL	1.9		FILL/CLAY				
	1.9	14.5	2m	MUDSTONE/SANDSTONE				
	14.5	19.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	19.5	21-		FIRM DRILLING				
C19								
	GL	1.9		FILL/CLAY				
	1.9	16	2m	MUDSTONE/SANDSTONE				
	16-	17.5		COAL				
	17.5	19-		MUDSTONE				
	19-	21-		COAL				
	21-	23-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	THURSDAY 8-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B20								
	GL	2.2		FILL/CLAY				
	2.2	15.5	3m	MUDSTONE/SANDSTONE				
	15.5	20.5		WEAK DRILLING POOR CORE RETURNS				
	20.5	22		MUDSTONE				
C17								
	GL	2.2		FILL/CLAY				
	2.2	15-	2	MUDSTONE/SANDSTONE				
	15-	21.5		WEAK DRILLING POOR RETURNS				
	21.5	23-		MUDSTONE				
B18								
	GL	2.2		FILL/CLAY				
	2.2	14.5	3m	MUDSTONE/SANDSTONE				
	14.5	18-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	18-	19-		FIRM DRILLING				
	19-	21-		WEAK DRILLING				
	21	23-		FIRM DRILLING				
C15								
	GL	2.2		FILL/CLAY				
	2.2	15-	3m	MUDSTONE/SANDSTONE				
	15-	21-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	21-	22-		FIRM DRILLING				
	22-	23-		WEAK DRILLING				
	23-	25-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 4	DAY / DATE	THURSDAY 8-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	WICKERS LANE SITE B SHEET 4	DAY / DATE	THURSDAY 8-9-2022	DRILLER	M. SMITH
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[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
				R.E./SUPERVISOR

[illegible]

SITE / JOB NO.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Thurs 8/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E39	CL	1.0	2.0	fill + Clay				
	1.0	5.3		Mudstone				
	5.3	7.0		COOL				
	7.0	9.0		Mudstone				
	9.0	10.3		Broken ground, lost fluid.				
	10.3	12.0		firm drilling.				
E41	CL	0.5	2.0	fill + Clay				
	0.5	8.6		Mudstone				
	8.6	9.2		COOL				
	9.2	11.0		Mudstone				
E43	CL	0.5	2.0	fill + Clay				
	0.5	8.2		Mudstone				
	8.2	8.5		COOL				
	8.5	11.0		Mudstone				
D44	CL	1.0	2.0	fill + Clay				
	1.0	8.0		Mudstone				
	8.0	8.5		COOL				
	8.5	10.0		Mudstone				
D42	CL	0.5	2.0	fill + Clay				
	0.5	6.3		Mudstone				
	6.3	6.8		COOL				
	6.8	8.0		Mudstone				
	8.0	8.5		COOL				
	8.5	10.0		Mudstone				

[illegible]

R.E./SUPERVISOR

SITE / JOB No.	Lickers Lane, site B, Sheet 4	DAY / DATE	Thurs 8/9/22	DRILLER	L. Handerson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A43	CL	0.5	2.0	fill + Clay				
	0.5	6.0		Mudstone				
	6.0	6.7		coal				
	6.7	8.0		Mudstone				
	8.0	8.5		coal				
	8.5	10.0		Mudstone				
A41	CL	0.5	2.0	fill + Clay				
	0.5	5.8		Mudstone				
	5.8	6.8		coal				
	6.8	8.5		Mudstone				
	8.5	9.1		coal				
	9.1	11.0		Mudstone				
B44	CL	1.0	2.0	fill + Clay				
	1.0	30.0		Sandstone / Mudstone				
B42	CL	0.5	2.0	fill + Clay				
	0.5	5.6		Mudstone				
	5.6	6.1		coal				
	6.1	8.0		Mudstone				
	8.0	8.6		coal				
	8.6	10.0		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ :	% LEL	H ₂ S : PPM
	CO ₂ :	PPM	O ₂ : 21.0 %
	NOTES:		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	L.icken hore, Site B, Sheet 4	DAY / DATE	Thurs 8/9/22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C37	CL	1.0	2.0	fill + Clay				
	1.0	6.3		Mudstone				
	6.3	7.1		coral				
	7.1	8.5		Mudstone				
	8.5	11.0		Broken ground, lost flush				
	11.0	12.0		firm drilling.				
C85	CL	1.0	2.0	fill + Clay				
	1.0	3.7		Mudstone				
	3.7	8.8		Broken ground, lost flush.				
	8.8	14.0		firm drilling.				
C33	CL	1.0	2.0	fill + Clay				
	1.0	6.5		Mudstone				
	6.5	9.8		Broken ground, lost flush.				
	9.8	15.0		firm drilling.				
C31	CL	1.0	2.0	fill + Clay				
	1.0	9.0		Mudstone				
	9.0	10.5		coral				
	10.5	13.3		Mudstone				
	13.3	14.0		coral				
	14.0	15.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 20 PPM	O_2 : 21.0 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Thurs 8/9/22	DRILLER	L. Hanton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C29	CL	1-0	2-0	fill + Clay				
	1-0	10-7		Mudstone				
	10-7	12-4		coal				
	12-4	13-8		Mudstone				
	13-8	15-5		Broken ground, lost flush				
	15-5	17-0		firm drilling.				
C27	CL	1-0	2-0	fill + Clay				
	1-0	12-2		Mudstone				
	12-2	17-0		Weak drilling, Poor coal return				
	17-0	18-0		Mudstone				
C23	CL	2-0	2-0	fill + Clay				
	2-0	14-0		Mudstone				
	14-0	19-2		Slightly broken, lost flush				
	19-2	22-0		firm drilling.				

REMARKS:	GAS MONITORING			
	CH ₄ :	% LEL	H ₂ S :	PPM
	CO :	PPM	O ₂ :	%
	NOTES:			
				R.E./SUPERVISOR

[illegible]

SITE / JOB No.	Lickers Lane, site B, Sheet 3	DAY / DATE	Thurs 8 / 9 / 22	DRILLER	L. Hancock
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R27	CL	1-0	2-0	fill + Clay				
	1-0	3-0		Mudstone				
	3-0	6-0		Weak drilling, Poor returns				
	6-0	8-1		Mudstone				
	8-1	13-0		Weak drilling, Poor returns				
	13-0	14-0		Mudstone				
S26	CL	1-5	2-0	fill + Clay				
	1-5	3-5		Mudstone				
	3-5	7-4		Weak drilling, Poor returns				
	7-4	9-0		Mudstone				
	9-0	13-6		Weak drilling, Poor returns				
	13-6	15-0		Mudstone				
S28	CL	1-0	2-0	fill + Clay				
	1-0	4-5		Mudstone				
	4-5	6-5		COOL				
	6-5	8-0		Mudstone				
	8-0	13-5		Weak drilling, Poor returns				
	13-5	15-0		Mudstone				
T27	CL	1-5	2-0	fill + Clay				
	1-5	5-5		Mudstone				
	5-5	9-3		Weak drilling, Poor returns				
	9-3	12-0		Mudstone				
	12-0	13-0		Weak drilling, Poor returns				
	13-0	14-0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Licker Lane, Site B, Sheet 3	DAY / DATE	Thurs 8/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W26	CL	1-0	2-0	fill + Clay				
	1-0	7-0		Mudstone				
	7-0	9-7		Weak drilling, lost flush				
	9-7	11-5		firm drilling				
	11-5	13-0		Weak drilling				
	13-0	14-0		firm drilling				
X25	CL	1-0	2-0	fill + Clay				
	1-0	7-6		Mudstone				
	7-6	10-1		Weak drilling, Poor return.				
	10-1	12-0		Mudstone				
	12-0	13-4		Weak drilling, Poor return.				
	13-4	15-0		Mudstone				
X27	CL	1-0	2-0	fill + Clay				
	1-0	4-5		Mudstone				
	4-5	5-8		Weak drilling, lost flush.				
	5-8	8-7		firm drilling				
	8-7	10-3		Weak drilling				
	10-3	15-0		firm drilling.				
Y26	CL	1-0	2-0	fill + Clay				
	1-0	8-1		Mudstone				
	8-1	9-2		Coal				
	9-2	11-0		Mudstone				
	11-0	13-2		Weak drilling, Poor return.				
	13-2	15-0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 20 PPM	O ₂ : 21.0 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 3	DAY / DATE	Thurs 8/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Z27	CL	1-0	2-0	fill + Clay				
	1-0	7-3		Mudston				
	7-3	9-0		Weak drilling, Poor return				
	9-0	11-0		Mudston				
	11-0	13-1		COOL				
	13-1	15-0		Mudston				
Z25	CL	1-0	2-0	fill + Clay				
	1-0	10-2		Mudston				
	10-2	11-5		COOL				
	11-5	13-4		Mudston				
	13-4	15-7		Weak drilling, Poor return				
	15-7	17-0		Mudston				
Z23	CL	1-0	2-0	fill + Clay				
	1-0	9-4		Mudston				
	9-4	11-5		Weak drilling, Poor return				
	11-5	13-7		Mudston				
	13-7	15-2		Weak drilling, Poor return				
	15-2	17-0		Mudston				
Y24	CL	1-0	2-0	fill + Clay				
	1-0	7-5		Mudston				
	7-5	10-7		Weak drilling, lost plug				
	10-7	11-6		firm drilling				
	11-6	14-0		Weak drilling				
	14-0	16-0		firm drilling				

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DAILY SITE RECORD

SITE / JOB No.	WICKER LANE SITE 13 SHEET 4	DAY / DATE	FRIDAY 9-9-2022	DRILLER	MSMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B8								
	GL	2.2		FILL/CLAY				
	2.2	21-	3m	MUDSTONE/SANDSTONE				
	21-	25-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	25-	27-		FIRM DRILLING				
	27-	29-		WEAK DRILLING				
	29-	31-		FIRM DRILLING				
E3								
	GL	1.8		FILL/CLAY				
	1.8	4.5	2m	MUDSTONE/SANDSTONE				
	4.5	6-		COAL				
	6-	30-		MUDSTONE/SANDSTONE				
	30-	32-		COAL				
	32-	34-		MUDSTONE				
	34-	35-		COAL				
	35-	37-		MUDSTONE				
E5								
	GL	1.7		FILL/CLAY				
	1.7	3.5	2m	MUDSTONE				
	3.5	4.5		WEAK DRILLING POOR COAL RETURNS				
	4.5	28.5		MUDSTONE/SANDSTONE				
	28.5	30.5		COAL				
	30.5	32-		MUDSTONE				
	32-	33.5		SLIGHTLY BROKEN GROUND LOST FLUSH				

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DAILY SITE RECORD

SITE / JOB No.	WICKER LANE SITE B SHEET 4	DAY / DATE	FRIDAY 9-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D4								
	GL	1.9		Fill/clay				
	1.9	3-	2m	MUDSTONE				
	3-	4.5		Coal				
	4.5	28-		MUDSTONE/SANDSTONE				
	28-	30-		WEAK DRILLING FOR COAL RETURNS				
	30-	31.5		MUDSTONE				
	31.5	33-		COAL				
	33-	35-		MUDSTONE				
G5								
	GL	1.9		Fill/clay				
	1.9	4-	2m	MUDSTONE				
	4-	5-		COAL				
	5-	29-		MUDSTONE/SANDSTONE				
	29-	31-		COAL				
	31-	33-		MUDSTONE				
	33-	34.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	34.5	36-		FIRM DRILLING				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane Site B Sheet 4	DAY / DATE	9/9/22 Fri	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C 25	0	2-	2-	Fill + clay				
	2-	13.8		mudstone				
	13.8	18.4		Coal, mudstone				
	18.4	21-		mudstone				
E 23	0	2-	2-	Fill + clay				
	2-	16-		mudstone				
	16-	20-		Slightly broke, lost flush				
	20-	22-		Firm				
E 21	0	2-	2-	Fill + clay				
	2-	16-		mudstone				
	16-	20.6		Coal, mudstone				
	20.6	23-		mudstone				
E 19	0	2-	2-	Fill + clay				
	2-	17-		mudstone				
	17-	21.6		Weak, drilling, poor coal returns				
	21.6	24-		mudstone				
E 17	0	2-	2-	Fill + clay				
	2-	18.3		mudstone				
	18.3	22.7		Slightly broke, lost flush				
	22.7	25-		Firm				
E 15	0	2-	2-	Fill + clay				
	2-	19-		mudstone				
	19-	22.8		Weak coal, poor returns				
	22.8	25-		mudstone				

REMARKS:	GAS MONITORING		DELIVERY	TICKET No.	QUANTITY
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM			
	CO ₂ : 0 PPM	O ₂ : 20.9 %			
	NOTES:				

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	9/9/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES:	

[illegible]

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Fr: 9 / 9 / 22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B36	CL	0.5	2.0	fill + Clay				
	0.5	3.0		Mudstone				
	3.0	7.2		Broken ground, lost flush				
	7.2	12.0		firm drilling.				
B34	CL	1.0	2.0	fill + Clay				
	1.0	6.5		Mudstone				
	6.5	8.9		COCI				
	8.9	11.0		Mudstone				
	11.0	11.9		COCI				
	11.9	13.0		Mudstone				
B32	CL	1.0	2.0	fill + Clay				
	1.0	4.8		Mudstone				
	4.8	9.4		Broken ground, lost flush				
	9.4	14.0		firm drilling.				
B30	CL	1.0	2.0	fill + Clay				
	1.0	11.7		Mudstone				
	11.7	13.0		COCI				
	13.0	13.7		Mudstone				
	13.7	14.9		COCI				
	14.9	16.0		Mudstone				
B28	CL	1.0	2.0	fill + Clay				
	1.0	11.5		Mudstone				
	11.5	15.4		Weak drilling, lost flush				
	15.4	17.0		firm drilling.				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 3	DAY / DATE	Fr: 9/9/22	DRILLER	L. Harrison
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
TS Y22	CL	1.0	2.0	fill + Clay				
	1.0	11.1		Mudstone				
	11.1	12.4		coal				
	12.4	13.9		Mudstone				
	13.9	16.0		Weak drilling, Poor return.				
	16.0	17.0		Mudstone				
S AA 28	CL	1.0	2.0	fill + Clay				
	1.0	5.2		Mudstone				
	5.2	8.4		Weak drilling, Poor return.				
	8.4	10.0		Mudstone				
	10.0	14.0		Weak drilling, Poor return.				
	14.0	15.0		Mudstone				
S AA 26	CL	1.0	2.0	fill + Clay				
	1.0	7.0		Mudstone				
	7.0	11.1		Weak drilling, Poor return.				
	11.1	14.0		Mudstone				
	14.0	14.9		Weak drilling, Poor return.				
	14.9	16.0		Mudstone				
S AA 24	CL	1.0	2.0	fill + Clay				
	1.0	9.1		Mudstone				
	9.1	12.7		Weak drilling, Poor return.				
	12.7	15.5		Mudstone				
	15.5	16.7		coal				
	16.7	18.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	Lickers Lake, site B, Sheet 3	DAY / DATE	Fri 9 / 9 / 22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB	CL	1-0	2-0	fill + Clay				
27	1-0	6-9		Mudstone				
	6-9	10-0		Weak drilling, Poor return.				
	10-0	12-7		Mudstone				
	12-7	15-4		Weak drilling, Poor return.				
	15-4	17-0		Mudstone				
N21	CL	1-0	2-0	fill + Clay				
	1-0	3-0		Mudstone				
	3-0	6-5		Weak drilling, Poor return.				
	6-5	8-5		Mudstone				
	8-5	11-3		Weak drilling, Poor return.				
	11-3	13-0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 20 PPM	O ₂ : 20.7 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	lickers lane Site B Sheet 4	DAY / DATE	mon 12/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E9	U	2-	2-	Fill + clay				
	2-	23		Coal				
	23	23-		Mudstone				
	23-	29.2		Coal, mudstone				
	29.2	32-		Mudstone				
E7	U	1.8	2-	Fill + clay				
	1.8	2.8		Coal				
	2.8	24-		Mudstone				
	24-	30.4		Coal, mudstone				
	30.4	33-		Mudstone				
D8	U	2-	2-	Fill + clay				
	2-	22.2		Mudstone				
	22.2	28.3		Coal, mudstone				
	28.3	31-		Mudstone				
D12	U	2-	2-	Fill + clay				
	2-	20-		Mudstone				
	20-	24.7		Weak drilling, poor coal returns				
	24.7	27-		Mudstone				
D16	U	2-	2-	Fill + clay				
	2-	18.5		Mudstone				
	18.5	23.4		Weak drilling, poor returns				
	23.4	26-		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO ₂ : 0 PPM	O ₂ : 20.9 %	
	NOTES: CO ₂ O ₂		
..... R.E./SUPERVISOR			

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D 18	0	2-	2-	fill + clay				
	2-	18.1		mudstone				
	18.1	22.2		weak coal, poor returns				
	22.2	25-		mudstone				
D 20	0	2-	2-	fill + clay				
	2-	16.7		mudstone				
	16.7	21.4		coal, mudstone				
	21.4	24-		mudstone				
D 22	0	2-	2-	fill + clay				
	2-	16.3		mudstone				
	16.3	20.8		weak drilling, poor returns				
	20.8	23-		mudstone				
G 24	0	2-	2-	fill + clay				
	2-	14-		mudstone				
	14-	19.7		slightly broke, lost flush				
	19.7	22-		firm				
I 23	0	2.2	2-	fill + clay				
	2.2	15.5		mudstone				
	15.5	21.3		slightly broke, lost flush				
	21.3	24-		firm				
B 26	0	1.5	2-	fill + clay				
	1.5	12.7		mudstone				
	12.7	17-		weak drilling, poor coal returns				
	17-	19-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Mon 12/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I 21	0	2.2	2-	fill + clay				
	2.2	16-		mudstone				
	16-	22.2		weak drilling, poor coal returns				
	22.2	25-		mudstone				
I 19	0	2.2	2-	fill + clay				
	2.2	16.5		mudstone				
	16.5	23.2		Slightly broke, lost flush				
	23.2	26-		firm				
K 19	0	2.2	2-	fill + clay				
	2.2	16.8		mudstone				
	16.8	23.1		weak coal, poor returns				
	23.1	26-		mudstone				
K 21	0	2.2	2-	fill + clay				
	2.2	17.2		mudstone				
	17.2	23-		coal, mudstone				
	23-	25-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

(1 of 4)

SITE / JOB NO.	LICKERS LANE WHISTON	SHEET 4 SITE 3.	DAY / DATE	MONDAY 12/09/2022	DRILLER	M. Taylor
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G3	GL	1.5	2m	FILL				
	1.5	6		MUDSTONE				
	6	7.2		COAL				
	7.2	29.2		MUDSTONE / SANDSTONE				
	29.2	32		BROKEN GROUND LOST FLUSH				
	32	34		HARD DRILLING				
	34	35		WEAK DRILLING				
	35	37		HARD DRILLING				
F2	GL	1.7	2m	FILL				
	1.7	6.5		MUDSTONE				
	6.5	7.5		COAL				
	7.5	30.5		MUDSTONE / SANDSTONE				
	30.5	32.5		COAL				
	32.5	34.5		MUDSTONE				
	34.5	35.5		WEAK DRILLING POOR RETURNS				
	35.5	37		HARD DRILLING				
F4	GL	1.8	2m	FILL				
	1.8	4.8		MUDSTONE				
	4.8	5.9		COAL				
	5.9	29.5		MUDSTONE / SANDSTONE				
	29.5	31.3		COAL				
	31.3	33.4		MUDSTONE				
	33.4	34.4		COAL				
	34.4	36		MUDSTONE				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

(2 of 4)

SITE / JOB No.	LICKERS LANE WHISTON	SITE B SHEET 4	DAY / DATE	MONDAY 12/09/2012	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F6	GL	1.6	2m	FILL				
	1.6	5		MUDSTONE				
	5	6		COAL				
	6	29.7		MUDSTONE / SANDSTONE				
	29.7	31.6		COAL				
	31.6	33.7		MUDSTONE				
	33.7	34.8		COAL				
	34.8	36		MUDSTONE				
H4	GL	1.9	2m	FILL				
	1.9	5.5		MUDSTONE				
	5.5	6.7		COAL				
	6.7	29.8		MUDSTONE / SANDSTONE				
	29.8	32.2		COAL				
	32.2	32.8		MUDSTONE				
	32.8	34.9		WEAK DRILLING LAST FLUSH				
	34.9	36		HARD DRILLING				
M5	GL	1.7	2m	FILL				
	1.7	7.5		MUDSTONE				
	7.5	8.6		COAL				
	8.6	29.5		MUDSTONE / SANDSTONE				
	29.5	31.4		COAL				
	31.4	33.2		MUDSTONE				
	33.2	34.5		COAL				
	34.5	36		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E / SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

(3 of 4)

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M7	GL	2	2m	FILL				
	2	5.4		MUDSTONE				
	5.4	6.5		COAL				
	6.5	7.3		MUDSTONE				
	7.3	8.8		COAL				
	8.8	29		MUDSTONE / SANDSTONE				
	29	32		WEAK DRILLING - LOST FLUSH				
	32	34		HARD DRILLING				
	34	35.1		WEAK DRILLING				
	35.1	37		HARD DRILLING				
M9	GL	1.7	2m	FILL				
	1.7	4.5		MUDSTONE				
	4.5	5.5		COAL				
	5.5	6.7		MUDSTONE				
	6.7	7.6		COAL				
	7.6	29.2		MUDSTONE / SANDSTONE				
	29.2	31.6		COAL				
	31.6	33		MUDSTONE				
	33	34.2		COAL				
	34.2	36		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
R.F. / SUPERVISOR		

[illegible]

DAILY SITE RECORD

(4 of 4)

SITE / JOB No.	LICKERS LANE WHISTON	SHEET 3 SHEET 4-	DAY / DATE	MONDAY 12/09/2012	DRILLER	N. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K7	GL	1.9	2M	FILL				
	1.9	4.4		MUDSTONE				
	4.4	5.3		COAL				
	5.3	6.4		MUDSTONE				
	6.4	7.5		COAL				
	7.5	31.5		MUDSTONE / SANDSTONE				
	31.5	33.2		COAL				
	33.2	34.5		MUDSTONE				
	34.5	35.5		COAL				
	35.5	37		MUDSTONE				
K9	GL	2	2M	FILL				
	2	3.2		MUDSTONE				
	3.2	4		COAL				
	4	5		MUDSTONE				
	5	6		COAL				
	6	29		MUDSTONE / SANDSTONE				
	29	30.3		COAL				
	30.3	33.5		MUDSTONE				
	33.5	34.5		COAL				
	34.5	36		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

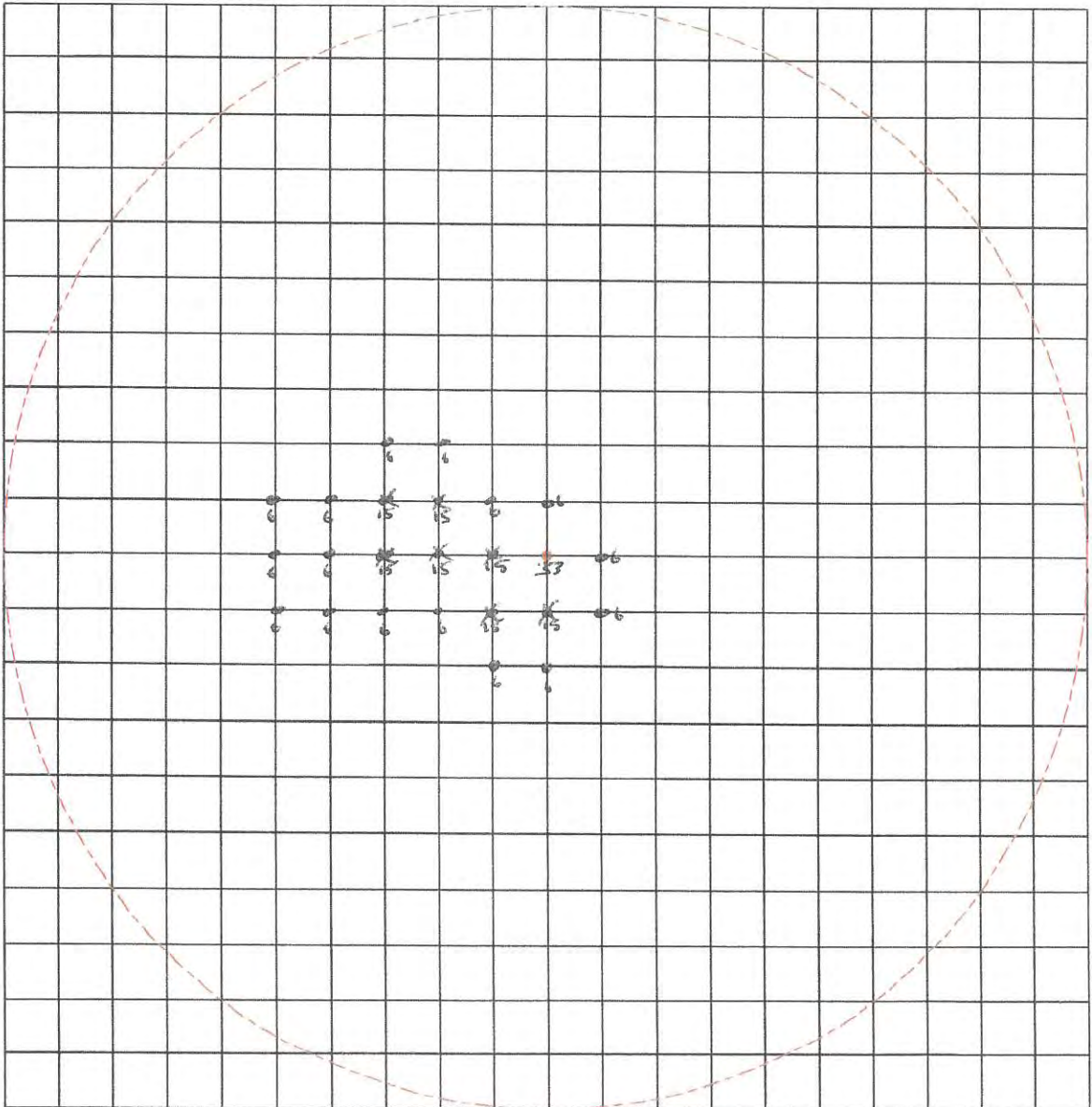
5CM

SCALE WITH CAUTION AS DISTORTION CAN OCCUR

DRG FRAME REF OC 1.1/5A

J8 ANOMALY

5CM



100m 216m

X 15m

X 15m

No 3 PEG LINE

M & J Drilling Services Ltd - Probing Record

Job No.

Drilled By
M. TAYLORScale
1:125Job Title
WICKERS LANE
SITE 'C' SHEET 'B'Date
13-SEP-21

Tel: 01902 885241

DAILY SITE RECORD

[illegible][illegible][illegible]

DAILY SITE RECORD

[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Tue 13/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L 20	0	2.2	2-	Fill + clay				
	2.2	17.5		Mudstone				
	17.5	23.4		Coal, Mudstone				
	23.4	26-		Mudstone				
L 18	0	2.2	2-	Fill + clay				
	2.2	17.9		Mudstone				
	17.9	23.6		Coal, Mudstone				
	23.6	26-		Mudstone				
D 14	0	2-	2-	Fill + clay				
	2-	19.6		Mudstone				
	19.6	23.3		Coal, Mudstone				
	23.3	26-		Mudstone				
O 21	0	2.6	2-	Fill + clay				
	2.6	19-		Mudstone				
	19-	24.5		Weak drilling, Coal returns				
	24.5	27-		Mudstone				
O 19	0	2.7	2-	Fill + clay				
	2.7	19.9		Mudstone, Sandstone				
	19.9	26.1		Weak coal, poor returns				
	26.1	29-		Mudstone				
O 17	0	2.7	2-	Fill + clay				
	2.7	21.3		Mudstone, Sandstone				
	21.3	27.1		Slightly broke, lost flush				
	27.1	30-		Firm				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	

DELIVERY	TICKET No.	QUANTITY

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane Site B Sheet 4	DAY / DATE	Tue 13/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P18	0	2.6	2-	Fill + clay				
	2.6	20.4		mudstone, Sandstone				
	20.4	26.6		Weak coal, poor returns				
	26.6	29-		Mudstone				
P20	0	2-	2-	Fill + clay				
	2-	19.6		Mudstone				
	19.6	25.2		Weak coal, poor returns				
	25.2	28-		Mudstone				
O24	0	2.2	2-	Fill + clay				
	2.2	14.9		Mudstone				
	14.9	20.7		Coal, Mudstone				
	20.7	23-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO ₂ : 0 PPM	O ₂ : 20.9 %
	NOTES: Co ² 0.01	

DELIVERY	TICKET No.	QUANTITY



DRILLING SERVICES LTD.

Tel: 01902 885241

QC 4.1/7B

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Tue 13/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K 24	0	2.3	2-	Fill + clay				
	2.3	15.3		Mudstone				
	15.3	21.1		weak drilling, poor coal returns				
	21.1	24-		Mudstone				
M 23	0	2.3	2-	Fill + clay				
	2.3	16.2		Mudstone				
	16.2	22.6		Coal, mudstone				
	22.6	25-		Mudstone				
M 21	0	2.5	2-	Fill + clay				
	2.5	16.4		Mudstone				
	16.4	23-		Weak coal, poor returns				
	23-	25-		Mudstone				
M 19	0	2.5	2-	Fill + clay				
	2.5	16.4		Mudstone				
	16.4	23.3		Slightly broke, firm in places, lost flush				
	23.3	26-		Firm				
J 20	0	2.2	2-	Fill + clay				
	2.2	16.5		Mudstone				
	16.5	22.4		weak, coal, poor returns				
	22.4	25-		Mudstone				
J 18	0	2.2	2-	Fill + clay				
	2.2	17-		Mudstone				
	17-	23.3		weak coal, poor returns				
	23.3	26-		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPMCO: 0 PPM O₂: 20.9 %NOTES: Co² 0.01

DELIVERY

TICKET No.

QUANTITY

R F / SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE WHISTON	DAY / DATE	TUESDAY 13/09/2022	DRILLER	M. TAYLOR
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE WHISTON	DAY / DATE	TUESDAY 13 / 09 / 2022	DRILLER	M. TAYLOR
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ O.OI	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LANE WHISTON	DAY / DATE	TUESDAY 13/09/2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L10	GL	1.9	2m	FILL				
	1.9	2.8		MUDSTONE				
	2.8	3.5		COAL				
	3.5	4.1		MUDSTONE				
	4.1	5		COAL				
	5	26.8		MUDSTONE / SANDSTONE				
	26.8	27.9		COAL				
	27.9	28.4		MUDSTONE				
	28.4	29.3		COAL				
	29.3	33		MUDSTONE				
J10	GL	1.8	2m	FILL				
	1.8	2.2		COAL				
	2.2	2.8		MUDSTONE				
	2.8	3.5		COAL				
	3.5	26.3		MUDSTONE / SANDSTONE				
	26.3	27.5		COAL				
	27.5	28.2		MUDSTONE				
	28.2	29.1		COAL				
	29.1	33		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE WHISTON	DAY / DATE	TUESDAY 13/09/2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L8	GL	1.6	2m	FILL				
	1.6	4		MUDSTONE				
	4	5.1		COAL				
	5.1	6.5		MUDSTONE				
	6.5	7		COAL				
	7	27.3		MUDSTONE / SANDSTONE				
	27.3	28.2		COAL				
	28.2	29		MUDSTONE				
	29	30.1		COAL				
	30.1	33		MUDSTONE				
N8	GL	2	2m	FILL				
	2	4.6		MUDSTONE				
	4.6	5.1		COAL				
	5.1	6.8		MUDSTONE				
	6.8	7.7		COAL				
	7.7	26.6		MUDSTONE / SANDSTONE				
	26.6	27.4		COAL				
	27.4	28		MUDSTONE				
	28	29		COAL				
	29	30		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB No.	LICKERS LANE WHISTON	DAY / DATE		DRILLER	M. TAYLOR
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[illegible][illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	wed 14/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q 23	U	2-2	2-	Fill + clay				
	2-2	19-		mudstone				
	19-	24.5		Slightly broke, lost flush				
	24.5	27-		Firm				
S 24	U	2-2	2-	Fill + clay				
	2-2	19.8		mudstone				
	19.8	24.7		Weak coal, poor returns				
	24.7	27-		Mudstone				
U 19	U	2-2	2-	Fill + clay				
	2-2	23-		mudstone				
	23-	29.4		Slightly broke, lost flush				
	29.4	32-		Firm				
U 21	U	2-2	2-	Fill + clay				
	2-2	22.1		mudstone, Sandstone				
	22.1	28.3		Weak drilling, poor coal + mudstone returns				
	28.3	31-		mudstone				
U 23	U	2-3	2-	Fill + clay				
	2-3	21.5		mudstone, Sandstone				
	21.5	27.2		Coal, mudstone				
	27.2	30-		mudstone				
W 19	U	2-2	2-	Fill + clay				
	2-2	25-		mudstone, Sandstone				
	25-	30.6		Coal, mudstone				
	30.6	33-		mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 4	DAY / DATE	wed 14/9/22	DRILLER	D. Moldnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W 21	U	2.3	2-	Fill + clay				
	2.3	24.5		Mudstone				
	24.5	29.4		Weak coal, poor returns				
	29.4	32-		Mudstone				
V 22	U	2.3	2-	Fill + clay				
	2.3	22.8		Mudstone				
	22.8	29-		Coal, mudstone				
	29-	31-		Mudstone				
V 20	U	2.3	2-	Fill + clay				
	2.3	20.8		Mudstone				
	20.8	26.6		Coal, mudstone				
	26.6	29-		Mudstone				
N 20	U	2.3	2-	Fill + clay				
	2.3	17.4		Mudstone				
	17.4	23.3		Coal, mudstone				
	23.3	26-		Mudstone				
N 18	U	2.5	2-	Fill + clay				
	2.5	17.1		Mudstone				
	17.1	23.6		Weak drilling, poor returns				
	23.6	26-		Mudstone				
Y 19	U	2.2	2-	Fill + clay				
	2.2	26-		Mudstone				
	26-	32.4		Slightly broke, lost flush				
	32.4	35-		firm				

[illegible]

[illegible][illegible][illegible]

DAILY SITE RECORD

1 of 6

SITE / JOB No.	LICKERS LANE WHISTON	SIT 4.	DAY / DATE	WEDNESDAY 14/09/2022	DRILLER	M. TAYLOR
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[illegible][illegible][illegible]

DAILY SITE RECORD

2 of 6

SITE / JOB No.	LICKERS LANE WHISTON	SIT 4	DAY / DATE	WEDNESDAY 14/09/2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
N2	GL	2	2M	FILL				
	2	10.5		MUDSTONE				
	10.5	11.5		COAL				
	11.5	13.3		MUDSTONE				
	13.3	13.9		COAL				
	13.9	33		MUDSTONE / SANDSTONE				
	33	34.2		COAL				
	34.2	34.9		MUDSTONE				
	34.9	35.8		COAL				
	35.8	37		MUDSTONE				
O1	GL	2	2M	FILL				
	2	2.6		MUDSTONE				
	2.6	3.3		COAL				
	3.3	12.6		MUDSTONE				
	12.6	13.5		COAL				
	13.5	14		MUDSTONE				
	14	14.6		COAL				
	14.6	33.2		MUDSTONE / SANDSTONE				
	33.2	34		BECKEN GROUND				
	34	34.8		HARD DRILLING				
	34.8	35.2		WEAK DRILLING				
	35.2	37		HARD DRILLING				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 209 %
	NOTES: C02 O.OI	
	 R.E./SUPERVISOR	

[illegible]



DAILY SITE RECORD

4 of 6

SITE / JOB No.	LICKERS LANE WHISTON	Sit 4	DAY / DATE	WEDNESDAY 14 / 09 / 2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
04	GL	1.8	2M	FILL				
	1.8	10.2		MUDSTONE				
	10.2	10.9		COAL				
	10.9	11.8		MUDSTONE				
	11.8	12.5		COAL				
	12.5	29.8		MUDSTONE / SANDSTONE				
	29.8	31		COAL				
	31	32.2		MUDSTONE				
	32.2	33		COAL				
	33	35		MUDSTONE				
011	GL	2	2M	FILL				
	2	2.7		MUDSTONE				
	2.7	3.4		COAL				
	3.4	4		MUDSTONE				
	4	4.6		COAL				
	4.6	27.2		MUDSTONE / SANDSTONE				
	27.2	28		COAL				
	28	28.7		MUDSTONE				
	28.7	29.9		COAL				
	29.9	31		MUDSTONE				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

5 of 6

SITE / JOB NO.	LICKERS LANE S + 4 WHISTON	DAY / DATE	WEDNESDAY 14 / 09 / 2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T6	GL	2.3	4m	FILL				
	2.3	11.5		MUDSTONE				
	11.5	12.3		COAL				
	12.3	13		MUDSTONE				
	13	14.1		COAL				
	14.1	33		MUDSTONE / SANDSTONE				
	33	34.2		COAL				
	34.2	35		MUDSTONE				
	35	36		COAL				
	36	37		MUDSTONE				
Q5	GL	2	2M	FILL				
	2	10.4		MUDSTONE				
	10.4	11.8		COAL				
	11.8	12.3		MUDSTONE				
	12.3	13.4		COAL				
	13.4	31.7		MUDSTONE / SANDSTONE				
	31.7	32.6		COAL				
	32.6	34		MUDSTONE				
	34	35.3		COAL				
	35.3	37		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

6 of 6

SITE / JOB No.	LICKERS LANE WHISTON	SHT 4.	DAY / DATE	WEDNESDAY 14/09/2022	DRILLER	M. TAYLOR
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[illegible][illegible][illegible]

DAILY SITE RECORD

1 of 5

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

2 of 5

SITE / JOB No.	LICKERS LANE WILSTAD	DAY / DATE	THURSDAY 15/09/2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
54	GL	1.6	2M	FILL				
	1.6	2.8		MUDSTONE				
	2.8	3.2		COAL				
	3.2	12.5		MUDSTONE				
	12.5	13.6		COAL				
	13.6	14.2		MUDSTONE				
	14.2	15		COAL				
	15	30.5		MUDSTONE / SANDSTONE				
	30.5	31.5		BROKEN GROUND				
	31.5	33.4		HARD DRILLING				
	33.4	35.4		WEAK DRILLING				
	35.4	37		HARD DRILLING				
83	GL	2	2M	FILL				
	2	3		MUDSTONE				
	3	3.6		COAL				
	3.6	12.8		MUDSTONE				
	12.8	14		COAL				
	14	15.2		MUDSTONE				
	15.2	16		COAL				
	16	31.7		MUDSTONE / SANDSTONE				
	31.7	33		COAL				
	33	34.6		MUDSTONE				
	34.6	35.8		COAL				
	35.8	37		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

3 of 5

SITE / JOB NO.	LICKERS LANE WHISTON	DAY / DATE	THURSDAY 15/09/2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q3	GL	1.7	2m	FILL				
	1.7	2.8		MUDSTONE				
	2.8	3.3		COAL				
	3.3	12.4		MUDSTONE				
	12.4	13.3		COAL				
	13.3	13.9		MUDSTONE				
	13.9	14.8		COAL				
	14.8	30.4		MUDSTONE / SANDSTONE				
	30.4	31.7		COAL				
	31.7	32.5		MUDSTONE				
	32.5	34		COAL				
	34	35		MUDSTONE				
Q1	GL	2.3	4m	FILL				
	2.3	3		MUDSTONE				
	3	3.6		COAL				
	3.6	13.6		MUDSTONE				
	13.6	14.3		COAL				
	14.3	15.1		MUDSTONE				
	15.1	15.6		COAL				
	15.6	36		MUDSTONE / SANDSTONE				
	36	37.5		COAL				
	37.5	39.8		MUDSTONE				
	39.8	40.9		COAL				
	40.9	42		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

4 of 5

SITE / JOB NO.	LICKERS LANE WHISTON	DAY / DATE	THURSDAY 15/04/2022	DRILLER	M. TAYLOR
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

5 of 5

SITE / JOB NO.	LICKERS LANE Whiston	DAY / DATE	THURSDAY 15/09/2012	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P10	GL	2	2M	FILL				
	2	4.5		MUDSTONE				
	4.5	6.4		COAL				
	6.4	6.9		MUDSTONE				
	6.9	7.6		COAL				
	7.6	24.8		MUDSTONE / SANDSTONE				
	24.8	25.6		COAL				
	25.6	26.1		MUDSTONE				
	26.1	26.6		COAL				
	26.6	28	MUDSTONE					
Q7	GL	1.8	2M	FILL				
	1.8	7		MUDSTONE				
	7	7.6		COAL				
	7.6	8.2		MUDSTONE				
	8.2	9.3		COAL				
	9.3	25		MUDSTONE / SANDSTONE				
	25	26		COAL				
	26	26.8		MUDSTONE				
		26.8		27.6	COAL			
	27.6	29	MUDSTONE					

[illegible][illegible]

SITE / JOB No.	Vickers lane site B Sheet 4	DAY / DATE	Thu 15/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X 22	U	2.3	2-	Fill + clay				
	2.3	24-		Mudstone				
	24-	28.8		Coal, Mudstone				
	28.8	31-		Mudstone				
X 20	U	2.3	2-	Fill + clay				
	2.3	25.1		Mudstone				
	25.1	30.6		Coal, Mudstone				
	30.6	33-		Mudstone				
W 24	U	2.2	2-	Fill + clay				
	2.2	22.2		Mudstone, Sandstone				
	22.2	27.6		Coal, Mudstone				
	27.6	30-		Mudstone				
AA 19	U	2.6	2-	Fill + clay, Coal traces				
	2.6	26-		Mudstone				
	26-	32.6		Slightly broke, lost flush				
	32.6	35-		Firm				
AA 21	U	2.4	2-	Fill + clay, Coal traces				
	2.4	25.5		Mudstone				
	25.5	32-		Slightly broke, lost flush				
	32-	34-		Firm				
AA 24	U	2.2	2-	Fill + clay				
	2.2	24.7		Mudstone				
	24.7	30.4		Coal, Mudstone				
	30.4	33-		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0	PPM
	CO ₂ : 0 PPM	O ₂ : 20.9	%
	NOTES: CO ₂ 0-01		
	 R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers lane Site B Sheet 4	DAY / DATE	Thu 15/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
22	0	2.2	2-	fill + clay				
	2.2	25.9		mudstone				
	25.9	31.6		weak, lost flush				
	31.6	34-		firm				
20	0	2.2	2-	fill + clay				
	2.2	26-		mudstone				
	26-	31.9		coal, mudstone				
	31.9	34-		mudstone				
19	0	2.2	2-	fill + clay				
	2.2	26.7		mudstone				
	26.7	32.5		weak coal, poor returns				
	32.5	35-		mudstone				
23	0	2.2	2-	fill + clay				
	2.2	25.6		mudstone				
	25.6	31-		coal, mudstone				
	31-	33-		mudstone				
AC 19	0	2-	2-	fill + clay				
	2-	4.7		mudstone				
	4.7	5.5		coal				
	5.5	27.4		mudstone				
	27.4	33.5		coal mudstone				
	33.5	36-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO: 20 PPM	O ₂ : 20.9 %
	NOTES: C-2 O-CI	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Thu 15/9/22	DRILLER	D. Holdnall
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[illegible]

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO_2 : 0 PPM	O_2 : 20.9 %
	NOTES: 6'Z 6-01	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Core, Site B; Sheet 3	DAY / DATE	Fri 16/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF 4	CL	1.5	2.0	fill + Clay				
	1.5	3.0		Mudstone				
	3.0	3.6		COOL				
	3.6	26.4		Mudstone				
	26.4	30.6		Weak drilling, Poor returns				
	30.6	32.0		Mudstone				
AE 5	CL	1.5	2.0	fill + Clay				
	1.5	2.7		COOL				
	2.7	25.0		Mudstone				
	25.0	30.0		Weak drilling, Poor returns				
	30.0	31.0		Mudstone				
AD 4	CL	1.0	2.0	fill + Clay				
	1.0	2.0		COOL				
	2.0	24.2		Mudstone				
	24.2	25.6		COOL				
	25.6	27.5		Mudstone				
	27.5	28.5		COOL				
	28.5	30.0		Mudstone				
AE 3	CL	1.5	2.0	fill + Clay				
	1.5	3.4		Mudstone				
	3.4	3.9		COOL				
	3.9	26.9		Mudstone				
	26.9	31.4		Weak drilling, Poor returns				
	31.4	33.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO ₂ : 2 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, site B, Sheet 4	DAY / DATE	Fri 16/9/22	DRILLER	L. Howarth
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E25	CL	1-0	2-0	fill + Clay				
	1-0	12-0		Mudstone				
	12-0	15-0		Broken gravel, lost flint.				
	15-0	19-0		firm drilling				
E27	CL	1-5	2-0	fill + Clay				
	1-5	11-1		Mudstone				
	11-1	16-9		Weak drilling, Poor return.				
	16-9	18-0		Mudstone				
E29	CL	1-0	2-0	fill + Clay				
	1-0	12-0		Mudstone				
	12-0	13-4		COOL				
	13-4	14-9		Mudstone				
	14-9	16-0		COOL				
	16-0	17-0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
NOTES:		
		R.E./SUPERVISOR

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC 23	0	2-	2-	Fill + clay				
	2-	28-		Mudstone				
	28-	32.7		Coal, mudstone				
	32.7	35-		Mudstone				
AB 20	0	2-	2-	Fill + clay				
	2-	2.7		Coal				
	2.7	26.1		Mudstone				
	26.1	32.7		Coal, mudstone				
	32.7	35-		Mudstone				
AB 22	0	2-	2-	Fill + clay				
	2-	2.4		Coal				
	2.4	25.8		Mudstone				
	25.8	32.1		Coal, mudstone				
	32.1	35-		Mudstone				
AE 19	0	2-	2-	Fill + clay				
	2-	6.5		Mudstone				
	6.5	7.5		Coal				
	7.5	29.3		Mudstone				
	29.3	34.7		Coal, mudstone				
	34.7	37-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ - 0.01	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LIKKERS LANE WHISTON	DAY / DATE	TUESDAY 20/09/2022	DRILLER	M. TAYLOR
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
				SHEET 3				
V6	GL	2.2	4m	FILL				
	2.2	20		MUDSTONE / SANDSTONE				
	20	21.5		COAL				
	21.5	23		MUDSTONE				
	23	25.5		COAL				
	25.5	27		MUDSTONE				
V4	GL	2.4	4m	FILL				
	2.4	21.5		MUDSTONE / SANDSTONE				
	21.5	22.3		COAL				
	22.3	23.5		MUDSTONE				
	23.5	25		WEAK DRILLING LAST FLUSH				
	25	27		HARD DRILLING				
V8	GL	2.2	4m	FILL				
	2.2	18.9		MUDSTONE / SANDSTONE				
	18.9	20.4		COAL				
	20.4	21.6		MUDSTONE				
	21.6	23		COAL				
	23	24		MUDSTONE				
W5	GL	2.2	4m	FILL				
	2.2	21.9		MUDSTONE / SANDSTONE				
	21.9	23.2		COAL				
	23.2	24.5		MUDSTONE				
	24.5	26		COAL				
	26	27		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

REMARKS:	GAS MONITORING		DELIVERY	TICKET No.	QUANTITY
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM			
	CO : 0 PPM	O ₂ : 20.9 %			
	NOTES: CO ₂ 0.01				
	R.E./SUPERVISOR				

[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 4	DAY / DATE	Tue 20/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AE 21	0	2-	2-	fill + clay				
	2-	2.7		mudstone				
	2.7	3.9		coal				
	3.9	28.3		mudstone				
	28.3	33.8		coal, mudstone				
	33.8	36-		mudstone				
AE 24	0	2-	2-	fill + clay				
	2-	3-		coal				
	3-	25.7		mudstone				
	25.7	32.4		weak coal, poor returns				
	32.4	35-		mudstone				
AD 20	0	2.2	2-	fill + clay				
	2.2	3.4		coal				
	3.4	26.3		mudstone				
	26.3	33.8		weak drilling, poor coal returns				
	33.8	36-		mudstone				
AD 22	0	2-	2-	fill + clay				
	2-	2.5		coal				
	2.5	26.8		mudstone				
	26.8	33.3		coal, mudstone				
	33.3	36-		mudstone				

REMARKS:	GAS MONITORING			
	CH ₄ :	0 % LEL	H ₂ S :	0 PPM
	CO :	0 PPM	O ₂ :	20.9 %
	NOTES: CO ₂ - 0.01			
..... R.E./SUPERVISOR				

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Tue 20/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG 19	0	2-	2-	Fill + clay				
	2-	9.5		Mudstone				
	9.5	10.2		Coal				
	10.2	34-		Mudstone				
	34-	39.3		Coal, Mudstone				
	39.3	42-		Mudstone				
AG 21	0	2-	2-	Fill + clay				
	2-	8.1		Mudstone				
	8.1	8.8		Coal				
	8.8	32.7		Mudstone				
	32.7	38-		Coal, Mudstone				
	38-	40-		Mudstone				
AG 23	0	2-	2-	Fill + clay				
	2-	6.4		Mudstone				
	6.4	7.2		Coal				
	7.2	31.5		Mudstone				
	31.5	36.8		Coal, Mudstone				
	36.8	39-		Mudstone				
AI 24	0	2-	2-	Fill + clay				
	2-	4.7		Mudstone				
	4.7	5.3		Coal				
	5.3	30.2		Mudstone				
	30.2	35.8		Coal, Mudstone				
	35.8	38-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO2 - 0.01	
	R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Tue 20/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AI	0	2-	2-	Fill + clay				
21	2-	6.6		Mudstone				
	6.6	7.4		Coal				
	7.4	33.5		Mudstone				
	33.5	38.6		Coal, mudstone				
	38.6	41-		Mudstone				
AI	0	2-	2-	Fill + clay				
19	2-	9.9		Mudstone				
	9.9	10.5		Coal				
	10.5	34.8		Mudstone				
	34.8	40-		Coal, mudstone				
	40-	42-		Mudstone				
AI	0	2-	2-	Fill + clay				
20	2-	8.8		Mudstone				
	8.8	9.6		Coal				
	9.6	33.4		Mudstone				
	33.4	38.4		Coal, mudstone				
	38.4	41-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKER LANE SITE B SHEET 4	DAY / DATE	TUESDAY 20-9-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q9								
	GL	2-		FILL/CLAY				
	2-	6.5	3m	MUDSTONE				
	6.5	7.4		COAL				
	7.4	8-		MUDSTONE				
	8-	9.3		COAL/MUDSTONE				
	9.3	26.5		MUDSTONE/SANDSTONE				
	26.5	30.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	30.5	33-		FIRM DRILLING				
A1								
	GL	2.2		FILL/CLAY				
	2.2	4-	3m	MUDSTONE				
	4-	4.7		COAL				
	4.7	26.5		MUDSTONE/SANDSTONE				
	26.5	31.5		SLIGHTLY BROKEN GROUND LOST FLUSH				
	31.5	33-		FIRM DRILLING				
	33-	34.5		WEAK DRILLING				
	34.5	36-		FIRM DRILLING				
C1								
	GL	2-		FILL/CLAY				
	2-	5.5	3m	MUDSTONE				
	5.5	6.5		COAL				
	6.5	29.5		MUDSTONE				
	29.5	32-		WEAK DRILLING FOR COAL RETURNS				
	32-	33.5		MUDSTONE				
	33.5	35-		COAL				
	35-	37-		MUDSTONE				

[illegible][illegible]

SITE / JOB NO.	Lickers Lane, site B, Sheet 4	DAY / DATE	Wed 21/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A25	CL	1-5	2-0	fill + Clay				
	1-5	10-0		Mudstone				
	10-0	11-0		Weak drilling, Poor return.				
	11-0	12-0		Mudstone				
	12-0	17-0		Weak drilling, Poor return.				
	17-0	18-0		Mudstone				
A27	CL	1-5	2-0	fill + Clay				
	1-5	11-2		Mudstone				
	11-2	15-9		Weak drilling, Poor return.				
	15-9	17-0		Mudstone				
A29	CL	1-0	2-0	fill + Clay				
	1-0	6-5		Mudstone				
	6-5	12-0		Weak drilling, lost flush.				
	12-0	13-2		firm drilling				
	13-2	15-0		Weak drilling				
	15-0	16-0		firm drilling.				
A31	CL	1-0	2-0	fill + Clay				
	1-0	8-0		Mudstone				
	8-0	13-7		Weak drilling, Poor return.				
	13-7	15-0		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ :	<u>0</u>	% LEL
	H ₂ S :	<u>0</u>	PPM
	CO :	<u>20</u>	PPM
	O ₂ :	<u>20.7</u>	%
	NOTES: <u>Co²</u> <u>0.01</u>		
..... R.E./SUPERVISOR			

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B1 Sheet 4	DAY / DATE	Wed 21/9/22	DRILLER	L. Hawthorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A33	CL	1-5	2-0	fill + Clay				
	1.5	7-2		Mudstone				
	7-2	9-0		coal				
	9-0	11-6		Mudstone				
	11-6	12-7		coal				
	12-7	14-0		Mudstone				
A35	CL	1-5	2-0	fill + Clay				
	1-5	5-9		Mudstone				
	5-9	7-5		coal				
	7-5	9-4		Mudstone				
	9-4	11-8		Broken ground, lost flush				
	11-8	13-0		firm drilling				
A37	CL	1-5	2-0	fill + Clay				
	1-5	4-0		Mudstone				
	4-0	6-8		Weak drilling, poor returns				
	6-8	8-7		Mudstone				
	8-7	10-0		coal				
	10-0	11-0		Mudstone				
A39	CL	1-0	2-0	fill + Clay				
	1-0	3-8		Mudstone				
	3-8	5-0		coal				
	5-0	6-7		Mudstone				
	6-7	8-9		Broken ground, lost flush				
	8-9	10-0		firm drilling				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, site B, Sheet 4	DAY / DATE	wed 21 / 9 / 22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A45	CL	4.5	6.0	fill + Clay				
	4.5	30.0		Sandstone / Mudstone				
C45	CL	5.0	6.0	fill + Clay				
	5.0	30.0		Sandstone / Mudstone				
E45	CL	4.5	6.0	fill + Clay				
	4.5	30.0		Sandstone / Mudstone				
B40	CL	1.5	2.0	fill + Clay				
	1.5	2.3		Mudstone				
	2.3	8.0		Slightly broken, lost flush				
	8.0	10.0		firm drilling.				
B38	CL	1.0	2.0	fill + Clay				
	1.0	5.0		Mudstone				
	5.0	9.8		Slightly broken, lost flush.				
	9.8	11.0		firm drilling.				
E37	CL	1.5	2.0	fill + Clay				
	1.5	3.5		Mudstone				
	3.5	8.7		Broken ground, lost flush				
	8.7	10.0		firm drilling.				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: 6 ² 001	
..... R.E./SUPERVISOR		

[illegible]

SITE / JOB NO.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Wed 21 / 9 / 22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
E35	CL	1.5	2.0	fill + Clay				
	1.5	4.2		Mudstone				
	4.2	6.0		Slightly broken, lost flush				
	6.0	8.5		firm drilling				
	8.5	9.9		Weak drilling				
	9.9	12.0		firm drilling.				
E33	CL	1.5	2.0	fill + Clay				
	1.5	6.0		Mudstone				
	6.0	10.5		Broken ground, lost flush.				
	10.5	14.0		firm drilling.				
E31	CL	1.5	2.0	fill + Clay				
	1.5	9.6		Mudstone				
	9.6	12.0		Weak drilling. Poor return.				
	12.0	13.7		Mudstone				
	13.7	15.0		Coal				
	15.0	16.0		Mudstone				

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO: 0 PPM O ₂ : 21.0 %
	NOTES: C-2 0-01
	R.E./SUPERVISOR

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AF 33	CL	1.0	2.0	fin. + Clay				
	1.0	7.6		Mudstone				
	7.6	8.7		coar				
	8.7	10.0		Mudstone				
	10.0	13.3		Weak drilling, Poor coar return.				
	13.3	15.0		Mudstone				
AG 34	CL	1.0	2.0	fin. + Clay				
	1.0	7.8		Mudstone				
	7.8	13.5		Weak drilling, Poor coar return.				
	13.5	15.0		Mudstone				
AF 35	CL	1.0	2.0	fin. + Clay				
	1.0	6.5		Mudstone				
	6.5	7.6		coar				
	7.6	8.9		Mudstone				
	8.9	12.0		Weak drilling, Poor coar return.				
	12.0	13.0		Mudstone				
AE 34	CL	1.0	2.0	fin. + Clay				
	1.0	6.3		Mudstone				
	6.3	11.4		Weak drilling, Poor return.				
	11.4	13.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.01	
R E / SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Wed 21/9/22	DRILLER	L. Hancock
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AE	CL	1.0	2.0	fill + Clay				
81	1.0	10.3		Mudstone				
	10.3	11.5		coal				
	11.5	12.7		Mudstone				
	12.7	14.8		Weak drilling, Poor coal returns				
	14.8	16.0		Mudstone				
F21	CL	2.0	2.0	fill + Clay				
	2.0	3.8		Mudstone				
	3.8	7.0		Weak drilling, Poor coal returns				
	7.0	10.0		Mudstone				
J21	CL	1.7	2.0	fill + Clay				
	1.7	4.4		Mudstone				
	4.4	8.3		coal / Mudstone				
	8.3	10.0		Mudstone				
O22	CL	1.7	2.0	fill + Clay				
	1.7	3.8		Mudstone				
	3.8	8.6		coal				
	8.6	9.4		Mudstone				
	9.4	11.7		coal / Mudstone				
	11.7	13.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 2 PPM	O ₂ : 21.0 %
	NOTES: CO ₂ 0.01.	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	wed 21/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AH 22	0	2-	2-	Fill + clay				
	2-	6.8		mudstone				
	6.8	7.4		Coal				
	7.4	32.1		mudstone				
	32.1	37.6		Coal, mudstone				
	37.6	40-		mudstone				
AF 20	0	2-	2-	Fill + clay				
	2-	7.7		mudstone				
	7.7	8.3		Coal				
	8.3	31.8		mudstone				
	31.8	37.6		Coal, mudstone				
	37.6	40-		mudstone				
AF 22	0	2-	2-	Fill + clay				
	2-	7.9		mudstone				
	7.9	8.6		Coal				
	8.6	32.4		mudstone				
	32.4	37.6		Coal, mudstone				
	37.6	40-		mudstone				
AG 17	0	2-	2-	Fill + clay				
	2-	9.7		Mudstone				
	9.7	10.6		Coal				
	10.6	35-		mudstone				
	35-	39.9		Coal, mudstone				
	39.9	42-		mudstone				

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[illegible]

DAILY SITE RECORD

[illegible][illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITERS SHEET 4	DAY / DATE	WEDNESDAY 21-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A3								
	GL	1.8		FILL/CLAY				
	1.8	27.5	2m	MUDSTONE/SANDSTONE				
	27.5	29-		COAL				
	29-	31-		MUDSTONE				
	31-	32-		COAL				
	32-	34-		MUDSTONE				
C3								
	GL	1.8		FILL/CLAY				
	1.8	3.5	2m	MUDSTONE				
	3.5	4.5		COAL				
	4.5	28.5		MUDSTONE/SANDSTONE				
	28.5	30.5		COAL				
	30.5	32.5		MUDSTONE				
	32.5	34-		COAL				
	34	36-		MUDSTONE				
D2								
	GL	1.9		FILL/CLAY				
	1.9	5.5	2m	MUDSTONE				
	5.5	6.5		COAL				
	6.5	29-		MUDSTONE				
	29-	31-		COAL				
	31-	33-		MUDSTONE				
	33-	34.5		COAL				
	34.5	36-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	WEDNESDAY 21-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A7								
	9L	1.9		FILL/CLAY				
	1.9	23	2m	MUDSTONE/SANDSTONE				
	23	25.5		COAL				
	25.5	27-		MUDSTONE				
	27-	28.5		COAL				
	28.5	30-		MUDSTONE				
B6								
	9L	1.8		FILL/CLAY				
	1.8	2.4	2m	COAL				
	2.4	24-		MUDSTONE				
	24-	26.5		COAL				
	26.5	28.3		MUDSTONE				
	28.3	29.5		COAL				
	29.5	31-		MUDSTONE				
A9								
	9L	2.3		FILL/CLAY				
	2.3	20.5	3m	MUDSTONE/SANDSTONE				
	20.5	24-		SLIGHTLY BROKEN GROUND LOST FILLISH				
	24-	26-		FIRM DRILLING				
	26-	27.5		WEAK DRILLING				
	27.5	30-		FIRM DRILLING				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO_2	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LUCKERS LANE SITE B SHEET 4	DAY / DATE	WEDNESDAY 21-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
A11								
	GL	2.3		FILL/CLAY				
	2.3	19.5	3m	MUDSTONE/SANDSTONE				
	19.5	21-		COAL				
	21-	23.5		MUDSTONE				
	23.5	25.5		COAL				
	25.5	27-		MUDSTONE				
A13								
	GL	2.3		FILL/CLAY				
	2.3	19-	3m	MUDSTONE/SANDSTONE				
	19-	20.5		COAL				
	20.5	22-		MUDSTONE				
	22-	24.3		WEAK DRILLING POOR COAL RETURNS				
	24.3	26-		MUDSTONE				
A15								
	GL	2.4		FILL/CLAY				
	2.4	18.5	3m	MUDSTONE/SANDSTONE				
	18.5	20-		COAL				
	20-	21-		MUDSTONE				
	21-	22.5		COAL				
	22.5	24-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	WEDNESDAY 21-9-2022	DRILLER	M SMITH
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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Thu 22/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AB 18	0	2.2	2-	Fill + clay				
	2.2	3.8		mudstone				
	3.8	4.5		Coal				
	4.5	30.2		mudstone				
	30.2	36-		Coal, mudstone				
	36-	38-		mudstone				
Y 17	0	2-	2-	Fill + clay				
	2-	3.3		mudstone				
	3.3	4-		Coal				
	4-	28.7		mudstone				
	28.7	34.2		Coal, mudstone				
	34.2	37-		mudstone				
W 17	0	2-	2-	Fill + clay				
	2-	3.2		Coal				
	3.2	28-		mudstone				
	28-	33.2		Coal, mudstone				
	33.2	36-		mudstone				
X 18	0	2-	2-	Fill + clay				
	2-	2.5		mudstone				
	2.5	3.2		Coal				
	3.2	26.8		mudstone				
	26.8	32-		Coal, mudstone				
	32-	34-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ - 0.00	

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DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Thu 22/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U 17	U	2-	2-	Fill + clay				
	2-	2.4		Coal				
	2.4	25-		Mudstone				
	25-	31.8		Slightly brone, lost flush				
	31.8	34-		Firm				
V 18	U	2-	2-	Fill + clay				
	2-	2.9		Coal				
	2.9	26.2		Mudstone				
	26.2	31.5		Weak drilling, poor coal returns				
	31.5	34-		Mudstone				
T 18	U	2-	2-	Fill + clay				
	2-	2.3		Coal				
	2.3	26-		Mudstone				
	26-	31.2		Coal, mudstone				
	31.2	34-		Mudstone				
S 19	U	2-	2-	Fill + clay				
	2-	24-		Mudstone				
	24-	30.2		Coal, Mudstone				
	30.2	33-		Mudstone				
S 21	U	2-	2-	Fill + clay				
	2-	23.1		Mudstone				
	23.1	29.2		Coal, Mudstone				
	29.2	32-		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: CO2 - 0.01	

DELIVERY	TICKET No.	QUANTITY

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 4	DAY / DATE	22/9/22 Thu	DRILLER	D. Moldnall
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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Thurs 22 / 9 / 22	DRILLER	L. Howdorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I41	0	1.0	2.0	fill + Clay				
	1.0	7.2		Mudstone				
	7.2	7.6		coal				
	7.6	9.5		Mudstone				
	9.5	10.5		coal				
	10.5	12.0		Mudstone				
I43	0	1.0	2.0	fill + Clay				
	1.0	8.4		Mudstone				
	8.4	9.4		coal				
	9.4	11.0		Mudstone				
I45	0	4.0	4.0	fill + Clay				
	4.0	30.0		Mudstone / Sandstone				
H44	0	1.5	2.0	fill + Clay				
	1.5	30.0		Mudstone / Sandstone				
H42	0	1.0	2.0	fill + Clay				
	1.0	9.0		Mudstone				
	9.0	10.1		coal				
	10.1	12.0		Mudstone				
K39	0	1.5	2.0	fill + Clay				
	1.5	6.0		Mudstone				
	6.0	9.5		Broken ground, lost flush				
	9.5	13.0		firm drilling				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B1 Sheet 4	DAY / DATE	Thurs 22 / 9 / 22	DRILLER	L. Hounson
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
G41	CL	1.0	2.0	fill + Clay				
	1.0	9.0		Mudstone				
	9.0	10.0		coral				
	10.0	15.0		Mudstone				
G43	CL	1.0	2.0	fill + Clay				
	1.0	8.2		Mudstone				
	8.2	9.1		coral				
	9.1	11.0		Mudstone				
G45	CL	4.5	6.0	fill + Clay				
	4.5	30.0		Mudstone / Sandstone				
F42	CL	1.0	2.0	fill + Clay				
	1.0	8.4		Mudstone				
	8.4	9.3		coral				
	9.3	11.0		Mudstone				
F44	CL	3.5	4.0	fill + Clay				
	3.5	30.0		Mudstone / Sandstone				
I39	CL	1.5	2.0	fill + Clay				
	1.5	6.5		Mudstone				
	6.5	8.9		Broken ground, lost flush				
	8.9	15.0		firm drilling				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO ₂ : 0 PPM	O ₂ : 21.0 %
	NOTES: CO ₂ 0.01	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Thurs 22 / 9 / 22	DRILLER	L. Hawdon
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[illegible][illegible][illegible]

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 21.0 %
	NOTES: CO ₂ O.C.I.	

R E / SUPERVISOR

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B Sheet 4	DAY / DATE	Thurs 22 / 9 / 22	DRILLER	L. Hancock
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D24	CL	1.5	2.0	fill + Clay				
	1.5	12.6		Mudstone				
	12.6	18.3		Broken gravel, lost flush				
	18.3	20.0		from drilling.				
D26	CL	1.5	2.0	fill + Clay				
	1.5	12.0		Mudstone				
	12.0	17.2		Weak drilling, Poor returns				
	17.2	19.0		Mudstone				
D28	CL	1.5	2.0	fill + Clay				
	1.5	11.4		Mudstone				
	11.4	14.4		Weak drilling, Poor coal returns.				
	14.4	15.0		Mudstone				
	15.0	16.5		Weak drilling, lost flush				
	16.5	18.0		from drilling				
B24	CL	1.5	2.0	fill + Clay				
	1.5	10.7		Mudstone				
	10.7	11.9		Weak drilling, Poor returns				
	11.9	13.2		Mudstone				
	13.2	18.3		Weak drilling, Poor returns				
	18.3	20.0		Mudstone				
D30	CL	1.5	2.0	fill + Clay				
	1.5	9.7		Mudstone				
	9.7	16.0		Weak drilling, Poor returns				
	16.0	17.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO_2 : 0 PPM	O_2 : 20.9 %
	NOTES: 6 ² e-01	

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	THURSDAY 22-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
C11								
	GL	2.1		FILL/CLAY				
	2.1	20.5	3m	MUDSTONE				
	20.5	22-		COAL				
	22-	24-		MUDSTONE				
	24-	25.5		WEAK DRILLING, POOR COAL RETURNS				
	25.5	27-		MUDSTONE				
D6								
	GL	2.2		FILL/CLAY				
	2.2	3	3m	MUDSTONE				
	3-	3.5		COAL				
	3.5	25		MUDSTONE/SAUDSTONE				
	25-	26.8		COAL				
	26.8	28.5		MUDSTONE				
	28.5	29.5		COAL				
	29.5	31-		MUDSTONE				
F8								
	GL	2.2		FILL/CLAY				
	2.2	2.8	3m	MUDSTONE				
	2.8	3.2		COAL				
	3.2	25-		MUDSTONE/SAUDSTONE				
	25-	26.5		COAL				
	26.5	28.5		MUDSTONE				
	28.5	29.5		COAL				
	29.5	31-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ O	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	THURSDAY 22-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
F10								
	GL	2.2		FILL/CLAY				
	2.2	24-	3m	MUDSTONE/SANDSTONE				
	24-	25-		COAL				
	25-	27-		MUDSTONE				
	27-	28-		COAL				
	28-	30-		MUDSTONE				
G9								
	GL	2.2		FILL/CLAY				
	2.2	2.8	3m	MUDSTONE				
	2.8	3.2		COAL				
	3.2	23-		MUDSTONE/SANDSTONE				
	23-	30-		SLIGHTLY BROKEN GROUND LOST FILLISH				
	30-	32-		FIRM DRILLING				
G7								
	GL	2.2		FILL/CLAY				
	2.2	2.6	3m	MUDSTONE				
	2.6	3.4		COAL				
	3.4	4-		MUDSTONE				
	4-	5-		COAL				
	5-	26		MUDSTONE				
	26-	28.3		COAL				
	28.3	29.3		MUDSTONE				
	29.3	30.5		COAL				
	30.5	32		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	

DELIVERY	TICKET No.	QUANTITY

SITE / JOB No.	WICKERS LANE SITE B SHEET 4	DAY / DATE	THURSDAY 22-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I11								
	GL	2.2		FILL/CLAY				
	2.2	21-	3m	MUDSTONE				
	21-	25.5		SLIGHTLY BROKEN GROUND LOST FULSH				
	25.5	27-		FIRM DRILLING				
	27-	28.5		WEAK DRILLING				
	28.5	30-		FIRM DRILLING				
I9								
	GL	1.9		FILL/CLAY				
	1.9	3-	2m	COAL				
	3-	26-		MUDSTONE/SANDSTONE				
	26-	28-		COAL				
	28-	29.5		MUDSTONE				
	29.5	31-		WEAK DRILLING FOR COAL RETURNS				
	31	33		MUDSTONE				
I7								
	GL	2.2		FILL/CLAY				
	2.2	3.3	3m	MUDSTONE				
	3.3	4.3		COAL				
	4.3	27-		MUDSTONE				
	27-	29-		COAL				
	29-	30.5		MUDSTONE				
	30.5	31.5		COAL				
	31.5	33-		MUDSTONE				

REMARKS:	GAS MONITORING			
	CH_4 : 0 % LEL	H_2S : 0 PPM		
	CO : 0 PPM	O_2 : 20.9 %		
	NOTES: CO ₂ O			
			R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	THURSDAY 22-9-2022	DRILLER	M. SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R 22	U 2-	2- 22-	2-	Fill + clay mudstone				
	22- 26.1	26.1 29-		Coal, mudstone mudstone				
Q 19	U 2-	2- 22.7	2-	Fill + clay mudstone				
	22.7 27.6	27.6 30-		Coal, mudstone mudstone				
R 20	U 2-	2- 23-	2-	Fill + clay mudstone				
	23- 27.2	27.2 30-		Coal, mudstone mudstone				
R 18	U 2-	2- 23.2	2-	Fill + clay mudstone				
	23.2 28.1	28.1 31-		Coal, mudstone mudstone				
Q 15	U 2-	2- 24.5	2-	Fill + clay mudstone				
	24.5 29.3	29.3 32-		Coal, mudstone mudstone				

[illegible][illegible]



DRILLING SERVICES LTD.

Tel: 01902 885241

QC 4.1/7B

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Fri 23/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
K4.5	CL	4.0	6.0	fin + Clay				
	4.0	30.0		Sandstone / Mudstone				
J40	CL	1.0	2.0	fin + Clay				
	1.0	4.5		Mudstone				
	4.5	8.9		Broken ground, lost flush				
	8.9	13.0		from drilling.				
J42	CL	1.0	2.0	fin + Clay				
	1.0	8.5		Mudstone				
	8.5	11.3		coal + Mudstone bands				
	11.3	13.0		Mudstone				
J44	CL	3.0	4.0	fin + Clay				
	3.0	30.0		Mudstone / Sandstone				
M41	CL	1.0	2.0	fin + Clay				
	1.0	7.0		Mudstone				
	7.0	12.3		coal + Mudstone bands				
	12.3	14.0		Mudstone				
M43	CL	1.0	2.0	fin + Clay				
	1.0	7.5		Mudstone				
	7.5	12.0		coal + Mudstone bands				
	12.0	13.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 4	DAY / DATE	FR: 23/9/22	DRILLER	L. Howerton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
M45	CL	1-0	2-0	fill + Clay				
	1-0	30-0		Sandstone / Mudstone				
L40	CL	1-0	2-0	fill + Clay				
	1-0	3-5		Mudstone				
	3-5	9-0		Broken gravel, lost flush				
	9-0	15-0		firm drilling				
L42	CL	1-0	2-0	fill + Clay				
	1-0	7-0		Mudstone				
	7-0	12-0		coal + Mudstone bands.				
	12-0	13-0		Mudstone				
L44	CL	1-0	2-0	fill + Clay				
	1-0	7-3		Mudstone				
	7-3	12-1		coal + Mudstone bands.				
	12-1	14-0		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	FRIDAY 23-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H10								
	GL	1.9		FILL/CLAY				
	1.9	2.5	2m	CoAL				
	2.5	24.5		MUDSTONE				
	24.5	25.5		CoAL				
	25.5	26.5		MUDSTONE				
	26.5	28-		CoAL				
	28-	30-		MUDSTONE				
J6								
	GL	1.9		FILL/CLAY				
	1.9	5-	2m	MUDSTONE				
	5-	6-		CoAL				
	6-	28.5		MUDSTONE				
	28.5	31-		CoAL				
	31-	32-		MUDSTONE				
	32-	33-		CoAL				
	33	35-		MUDSTONE				
I5								
	GL	1.9		FILL/CLAY				
	1.9	5-	2m	MUDSTONE				
	5-	6.5		CoAL				
	6.5	29-		MUDSTONE				
	29-	30.5		CoAL				
	30.5	31.5		MUDSTONE				
	31.5	32.5		CoAL				
	32.5	34-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO ₂ O	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	26 / 9 / 22 ^{Mon}	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
O 15	U	2-	2-	fill + clay				
	2-	23.6		Mudstone				
	23.6	28.4		Coal, mudstone				
	28.4	31-		mudstone				
P 14	U	2-	2-	fill + clay				
	2-	24-		Mudstone				
	24-	28.9		Coal, mudstone				
	28.9	31-		mudstone				
P 16	U	2-	2-	fill + clay				
	2-	24-		Mudstone				
	24-	28.4		Coal, mudstone				
	28.4	31-		mudstone				
N 22	U	2.2	2-	fill + clay				
	2.2	17-		Mudstone				
	17-	23.1		Coal, mudstone				
	23.1	26-		mudstone				
L 22	U	2.2	2-	fill + clay				
	2.2	17-		Mudstone				
	17-	22.9		Coal, mudstone				
	22.9	25-		mudstone				
S 22	U	2.2	2-	fill + clay				
	2.2	16.7		Mudstone				
	16.7	21.6		Weak coal + mudstone returns				
	21.6	24-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ - 0.00	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site 3 Sheet 4	DAY / DATE	mon 26/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
H 22	0	2.2	2-	Fill + clay				
	2.2	16.2		mudstone				
	16.2	21.3		weak coal + mudstone returns				
	21.3	24-		mudstone				
H 20	0	2.2	2-	Fill + clay				
	2.2	17.1		mudstone				
	17.1	22.7		coal, mudstone				
	22.7	25-		mudstone				
H 18	0	2.2	2-	Fill + clay				
	2.2	17.9		mudstone				
	17.9	23.6		weak coal + mudstone returns				
	23.6	26-		mudstone				
I 17	0	2.2	2-	Fill + clay				
	2.2	17.5		mudstone				
	17.5	23.7		coal, mudstone				
	23.7	26-		mudstone				
K 17	0	2.2	2-	Fill + clay				
	2.2	17.8		mudstone				
	17.8	24.1		coal, mudstone				
	24.1	27-		mudstone				
M 17	0	2.2	2-	Fill + clay				
	2.2	18-		mudstone				
	18-	24.3		coal, mudstone				
	24.3	27-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO2 - 0.00	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

[illegible]

REMARKS:	GAS MONITORING			
	CH ₄ :	0 % LEL	H ₂ S :	0 PPM
	CO :	0 PPM	O ₂ :	20.9 %
	NOTES: CO2 - 0.00			
..... R.E./SUPERVISOR				

[illegible]

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.

ORIENTATION

DAY	Monday	DATE	26/9/22	SITE	Lickers Lane, Site B, Sheet 6
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
Z10	CL	0.5	6.0	fill					
	0.5	5.0		Yellow Sand					
	5.0	24.0		Yellow Sandstone					
	24.0	30.0		Brown Sandstone					
P16	CL	0.3	6.0	fill					
	0.3	4.5		Brown Sand					
	4.5	30.0		Brown Sandstone					
P10	CL	0.3	6.0	fill					
	0.3	5.0		Brown Sand					
	5.0	15.8		Brown Sandstone					
	15.8	20.0		Yellow Sandstone					
	20.0	30.0		Brown Sandstone					
PA	CL	0.3	6.0	fill					
	0.3	5.5		Yellow Sand					
	5.5	12.8		Yellow Sandstone					
	12.8	16.0		Brown Sandstone					
	16.0	25.0		Yellow Sandstone					
	25.0	30.0		Brown Sandstone					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☐ ☒ FOAM ☐ OTHER ☐	Klemm.
MID-SHIFT		LOSS OF FLUSH / EXTENT	START TIME
END OF SHIFT		None.	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE	WEATHER
SEEPAGES		BIT SIZE	Sunny / Shower.
DRYING OUT		CORE DRILLING	GAS MONITORING
		BIT TYPE	CH ₄ : ☐ % LEL H ₂ S : ☐ PPM
CASING SIZE - DEPTH	10mm.	BIT SIZE	CO : ☐ PPM O ₂ : 21.0 %
CORE BARREL - LINER		BACKFILL	NOTES:
		STANDPIPES/PIEZOMETERS	REMARKS - VISITORS
		INSTRUMENTATION	R.E.

DAILY SITE RECORD GROUND INVESTIGATION

ORIENTATION

DAY	Monday	DATE	26/9/22	SITE	Lickerr Lane, Site B, Sheet 6
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
K3	0	0.3	4-0	fill					
	0.3	4.0		Yellow Sand					
	4.0	30.0		Yellow Sandstone					
E3	0	0.5	6.0	fill					
	0.5	4.5		Yellow Sand					
	4.5	6.0		Yellow Sandstone					
	6.0	8.4		Brown Sandstone					
	8.4	30.0		Yellow Sandstone					

WATER LEVELS	TIME	FLUSHING MEDIUM					PLANT IN USE	Klemm.					
START OF SHIFT		AIR		WATER	☒	FOAM		OTHER					
MID-SHIFT		LOSS OF FLUSH / EXTENT					None						
END OF SHIFT							START TIME						
							BREAK TIME						
OTHER COMMENTS		OPEN HOLE DRILLING					FINISH TIME						
FIRST STRUCK		BIT TYPE					Button						
SEEPAGES		BIT SIZE					70mm						
DRYING OUT		CORE DRILLING					GAS MONITORING						
		BIT TYPE					CH ₄ :		0	% LEL	H ₂ S :	0	PPM
		BIT SIZE					CO ₂ :		0	PPM	O ₂ :	20.9	%
CASING SIZE - DEPTH		101mm					NOTES:						
		BACKFILL					REMARKS - VISITORS						
CORE BARREL - LINER		STANDPIPES/ PIEZOMETERS											
		INSTRUMENTATION					R F						

DRILLER L. Hawthorn

DAILY SITE RECORD GROUND INVESTIGATION

BOREHOLE No.
ORIENTATION

DAY	Monday	DATE	26/9/22	SITE	Lickers Lane, Site B, Street 6
CLIENT / CONTRACT					JOB No.

BH	DEPTH		CASING	FORMATION	RUN No.	DEPTH		T.C.R.	PENETRATION RATE
	FROM	TO				FROM	TO		
AJ	CL	0.3	8.0	fill					
10	0.3	6.3		Yellow Sand					
	6.3	24.5		Yellow Sandstone					
	24.5	27.0		Brown Sandstone					
	27.0	30.0		Yellow Sandstone					
AE	CL	1.0	8.0	fill					
3	1.0	7.0		Yellow Sand					
	7.0	30.0		Yellow Sandstone					
AA	CL	0.3	6.0	fill					
3	0.3	4.5		Yellow Sand					
	4.5	30.0		Yellow Sandstone					
AA	CL	0.5	6.0	fill					
15	0.5	5.5		Yellow Sand					
	5.5	12.5		Yellow Sandstone					
	12.5	13.4		Brown Sandstone					
	13.4	19.0		Yellow Sandstone					
	19.0	20.3		Brown Sandstone					
	20.3	30.0		Yellow Sandstone					

WATER LEVELS	TIME	FLUSHING MEDIUM	PLANT IN USE
START OF SHIFT		AIR ☐ WATER ☐ ☒ FOAM ☐ OTHER ☐	Klemm.
MID-SHIFT		LOSS OF FLUSH / EXTENT	START TIME
END OF SHIFT		None.	BREAK TIME
OTHER COMMENTS		OPEN HOLE DRILLING	FINISH TIME
FIRST STRUCK		BIT TYPE	WEATHER
SEEPAGES		BIT SIZE	Sunny / Showers.
DRYING OUT		CORE DRILLING	GAS MONITORING
		BIT TYPE	CH ₄ : 0 % LEL H ₂ S : 0 PPM
CASING SIZE - DEPTH	101MM	BIT SIZE	CO : 0 PPM O ₂ : 20.9 %
		BACKFILL	NOTES:
CORE BARREL - LINER		STANDPIPES / PIEZOMETERS	REMARKS - VISITORS
		INSTRUMENTATION	R.E.

DAILY SITE RECORD

SITE / JOB No.	Lukers Lane, Site B, Sheet 4	DAY / DATE	Mon 26/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
039	CL	1.0	2.0	fill + Clay				
	1.0	9.5		Sandstone / Mudstone				
	9.5	11.4		coal				
	11.4	13.3		Mudstone				
	13.3	14.9		coal				
	14.9	16.0		Mudstone				
041	CL	1.5	2.0	fill + Clay				
	1.5	8.5		Sandstone / Mudstone				
	8.5	13.9		coal + Mudstone bands.				
	13.9	15.0		Mudstone.				
043	CL	2.0	2.0	fill + Clay				
	2.0	7.2		Sandstone / Mudstone				
	7.2	13.1		coal + Mudstone bands.				
	13.1	15.0		Mudstone				
045	CL	4.0	4.0	fill + Clay				
	4.0	30.0		Sandstone / Mudstone				
N40	CL	1.5	2.0	fill + Clay				
	1.5	8.8		Sandstone / Mudstone				
	8.8	14.0		coal + Mudstone bands.				
	14.0	15.0		Mudstone.				
N42	CL	1.5	2.0	fill + Clay				
	1.5	8.0		Sandstone / Mudstone				
	8.0	13.2		coal + Mudstone bands.				
	13.2	15.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO_2 : 0 PPM	O_2 : 20.9 %
	NOTES:	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Mon 26/9/22	DRILLER	L. Handborne
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[illegible]

REMARKS:	GAS MONITORING					
	CH ₄ :	<u>0</u>	% LEL	H ₂ S :	<u>0</u>	PPM
	CO :	<u>0</u>	PPM	O ₂ :	<u>21.0</u>	%
	NOTES:					
..... R.E./SUPERVISOR						

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	MONDAY 26-9-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
U3								
	9L	2.5		Fill/Cumy				
	2.5	4.5	3m	Coal				
	4.5	17-		MUDSTONE				
	17-	18.3		Coal				
	18.3	36-		MUDSTONE/SANDSTONE				
	36-	38.5		Coal				
	38.5	40-		MUDSTONE				
	40-	41.5		Coal				
	41.5	43-		MUDSTONE				
U5								
	9L	2.5		Fill/Cumy				
	2.5	3.5	3m	Coal				
	3.5	13-		MUDSTONE				
	13-	14-		Coal				
	14-	36-		MUDSTONE/SANDSTONE				
	36-	37.5		Coal				
	37.5	39.5		MUDSTONE				
	39.5	40.5		WEAK DRILLING POOR COAL RETURNS				
	40.5	42-		MUDSTONE				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	MONDAY 26-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
52								
	9L	2.2		FILL/CLAY				
	2.2	8.8	3m	MUDSTONE				
	8.8	9.8		COAL				
	9.8	32-		MUDSTONE/SANDSTONE				
	32	34-		COAL				
	34-	35-		MUDSTONE				
	35-	37.5		COAL				
	37.5	39-		MUDSTONE				
U1								
	9L	2.5		FILL/CLAY				
	2.5	4.5	3m	WEAK DRILLING POOR COAL RETURN				
	4.5	16-		MUDSTONE				
	16-	17-		COAL				
	17-	36-		MUDSTONE/SANDSTONE				
	36-	40		SLIGHTLY BROKEN GROUND LOST FLUSH				
	40	41		FIRM DRILLING				
	41	42.5		WEAK DRILLING				
	42.5	44		FIRM DRILLING				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SIDERS SHEET 4	DAY / DATE	MONDAY 26.9.2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
I3								
	GL	2.2		FILL/CLAY				
	2.2	7-	3m	MUDSTONE				
	7-	8-		CLAY				
	8-	29.5		MUDSTONE/SANDSTONE				
	29.5	31-		SLIGHTLY BROKEN GROUND LOST	FULL			
	31-	32-		FIRM DRILLING				
	32-	33-		WEAK DRILLING				
	33-	35-		FIRM DRILLING				
H2								
	GL	2.2		FILL/CLAY				
	2.2	6.5	3m	MUDSTONE				
	6.5	7.5		CLAY				
	7.5	29.7		MUDSTONE/SANDSTONE				
	29.7	32.7		SLIGHTLY BROKEN GROUND LOST	FULL			
	32.7	34-		FIRM DRILLING				
	34-	36.5		WEAK DRILLING				
	36.5	38		FIRM DRILLING				
K1								
	GL	2.4		FILL/CLAY				
	2.4	11-	3m	MUDSTONE				
	11-	12.5		CLAY				
	12.5	33-		MUDSTONE				
	33-	35		CLAY				
	35-	36.5		MUDSTONE				
	36.5	38-		CLAY				
	38-	40-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LANE SITES SHEET 4	DAY / DATE	MONDAY 26-9-2022	DRILLER	M. SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
L6								
	GL	1.9		FILL/CLAY				
	1.9	6.5	2m	MUDSTONE				
	6.5	7.5		CCAL				
	7.5	30-		MUDSTONE/SANDSTONE				
	30-	32-		CCAL				
	32-	33-		MUDSTONE				
	33-	34-		CCAL				
	34-	36-		MUDSTONE				
M3								
	GL	2-		FILL/CLAY				
	2-	9.5	3m	MUDSTONE				
	9.5	10.5		CCAL				
	10.5	27.5		MUDSTONE/SANDSTONE				
	27.5	32-		SLIGHTLY BROKEN GROUND LOST FULLY				
	32-	33-		FIRM DRILLING				
	33-	36-		WEAK DRILLING				
	36-	38-		FIRM DRILLING				
K4								
	GL	2.3		FILL/CLAY				
	2.3	7-	3m	MUDSTONE				
	7-	8-		CCAL				
	8-	31.7		MUDSTONE/SANDSTONE				
	31.7	33-		WEAK DRILLING PER CCAL RETURNS				
	33-	35.5		MUDSTONE				
	35.5	36.5		CCAL				
	36.5	38		MUDSTONE				

[illegible][illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
V 16	0	2-	2-	Fill + clay				
	2-	3.7		mudstone				
	3.7	4.7		Coal				
	4.7	28.3		mudstone				
	28.3	32.8		Coal, mudstone				
	32.8	35-		mudstone				
X 16	0	2-	2-	Fill + clay				
	2-	5-		mudstone				
	5-	6.1		Coal				
	6.1	29.6		mudstone				
	29.6	34.2		Coal, mudstone				
	34.2	37-		mudstone				
AB 16	0	2-	2-	Fill + clay				
	2-	8.1		mudstone				
	8.1	9.1		Coal				
	9.1	33.8		mudstone				
	33.8	38.9		Coal, mudstone				
	38.9	41-		mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ - 0.00	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane Sheet 4	SITE B	DAY / DATE	Tue 27/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Z 15	0	2-	2-	Fill + clay				
	2-	6.9		Mudstone				
	6.9	7.8		Coal				
	7.8	32.5		Mudstone				
	32.5	37.2		Coal, mudstone				
	37.2	40-		Mudstone				
W 15	0	2-	2-	Fill + clay				
	2-	4.2		Mudstone				
	4.2	5.3		Coal				
	5.3	28.7		Mudstone				
	28.7	33.5		Coal, mudstone				
	33.5	36-		Mudstone				
U 15	0	2-	2-	Fill + clay				
	2-	2.8		Mudstone				
	2.8	3.9		Coal				
	3.9	27.2		Mudstone				
	27.2	32.4		Coal, mudstone				
	32.4	35-		Mudstone				
T 16	0	2-	2-	Fill + clay				
	2-	2.3		Mudstone				
	2.3	3.4		Coal				
	3.4	27-		Mudstone				
	27-	31.8		Coal, Mudstone				
	31.8	34-		Mudstone				

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Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	Tue 27/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG 15	0	2-	2-	Fill + clay				
	2-	11-		Mudstone				
	11-	12.1		Coal				
	12.1	36.3		Mudstone				
	36.3	41-		weak, drilling, poor coal, mudstone				
	41-	43-		Mudstone				
AE 15	0	2-	2-	Fill + clay				
	2-	10.4		Mudstone				
	10.4	11.6		Coal				
	11.6	35.5		Mudstone				
	35.5	40.4		Coal, mudstone				
	40.4	43-		Mudstone				
AC 15	0	2-	2-	Fill + clay				
	2-	9-		Mudstone				
	9-	10-		Coal				
	10-	34.4		Mudstone				
	34.4	39.5		Coal, Mudstone				
	39.5	42-		Mudstone				
AA 15	0	2-	2-	Fill + clay				
	2-	7.5		Mudstone				
	7.5	8.6		Coal				
	8.6	33.1		Mudstone				
	33.1	38-		Coal, Mudstone				
	38-	40-		Mudstone				

REMARKS:	GAS MONITORING		
	CH ₄ :	0 % LEL	H ₂ S : 0 PPM
	CO :	0 PPM	O ₂ : 20.9 %
	NOTES: CO2 - 0.00		
R F / SUPERVISOR			

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Tue 27/9/22	DRILLER	L. Howdore
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q39	CL	1.5	2.0	fill + Clay				
	1.5	7.9		Sandstone / Mudstone				
	7.9	13.3		Broken ground, lost Aust				
	13.3	15.0		firm drilling.				
Q41	CL	1.5	2.0	fill + Clay				
	1.5	9.1		Sandstone / Mudstone				
	9.1	14.8		Coal + Mudstone band.				
	14.8	16.0		Mudstone				
Q43	CL	2.0	2.0	fill + Clay				
	2.0	8.4		Sandstone / Mudstone				
	8.4	14.0		Coal + Mudstone				
	14.0	15.0		Mudstone				
Q45	CL	3.0	4.0	fill + Clay				
	3.0	30.0		Sandstone / Mudstone				
P40	CL	1.5	2.0	fill + Clay				
	1.5	9.1		Sandstone / Mudstone				
	9.1	14.7		Coal + Mudstone band.				
	14.7	16.0		Mudstone				
P42	CL	2.0	2.0	fill + Clay				
	2.0	8.5		Sandstone / Mudstone				
	8.5	14.0		Coal + Mudstone band.				
	14.0	15.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Tue 27/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P44	CL	2-0	2-0	fill + Clay				
	2-0	7-9		Sandstone / Mudstone				
	7-9	12-4		Coal + Mudstone band				
	12-4	14-0		Mudstone				
S39	CL	1-5	2-0	fill + Clay				
	1-5	12-0		Sandstone / Mudstone				
	12-0	14-0		Weak drilling, poor returns				
	14-0	17-0		Mudstone				
S41	CL	1-5	2-0	fill + Clay				
	1-5	8-9		Sandstone / Mudstone				
	8-9	13-2		Broken sand, lost fluid.				
	13-2	15-0		firm drilling.				
S43	CL	1-5	2-0	fill + Clay				
	1-5	9-4		Sandstone / Mudstone				
	9-4	12-3		Coal + Mudstone band.				
	12-3	14-0		Mudstone				
S45	CL	3-0	4-0	fill + Clay				
	3-0	30-0		Sandstone / Mudstone				
S37	CL	1-5	2-0	fill + Clay				
	1-5	13-0		Sandstone / Mudstone				
	13-0	14-9		Coal				
	14-9	16-5		Mudstone				
	16-5	17-5		Coal				
	17-5	19-0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Tue 27 / 9 / 22	DRILLER	L. Harrison
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
525	CL	1-5	2-0	fill + Clay				
	1-5	13-6		Sandstone / Mudstone				
	13-6	15-5		coal				
	15-5	17-1		Mudstone				
	17-1	18-3		coal				
	18-3	20-0		Mudstone				
533	CL	2-0	2-0	fill + Clay				
	2-0	12-9		Sandstone / Mudstone				
	12-9	19-5		Slightly broken, lost flush				
	19-5	21-0		firm drilling				
531	CL	2-0	2-0	fill + Clay				
	2-0	16-0		Sandstone / Mudstone				
	16-0	18-0		coal				
	18-0	19-5		Mudstone				
	19-5	21-0		coal				
	21-0	22-0		Mudstone				
529	CL	2-0	2-0	fill + Clay				
	2-0	17-2		Sandstone / Mudstone				
	17-2	19-8		coal				
	19-8	21-3		Mudstone				
	21-3	22-2		coal				
	22-2	24-0		Mudstone				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Tue 27/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
S27	CL	2.0	2.0	fill + Clay				
	2.0	17.8		Sandstone / Mudstone				
	17.8	19.5		coal				
	19.5	21.4		Mudstone				
	21.4	22.5		coal				
	22.5	24.0		Mudstone				
S25	CL	2.0	2.0	fill + Clay				
	2.0	18.3		Sandstone / Mudstone				
	18.3	20.1		coal				
	20.1	21.9		Mudstone				
	21.9	23.0		coal				
	23.0	24.0		Mudstone				
Q25	CL	2.0	2.0	fill + Clay				
	2.0	18.5		Sandstone / Mudstone				
	18.5	19.7		coal				
	19.7	21.6		Mudstone				
	21.6	22.5		coal				
	22.5	24.0		Mudstone				
Q27	CL	2.0	2.0	fill + Clay				
	2.0	14.7		Sandstone / Mudstone				
	14.7	21.7		Weak drilling, Poor return				
	21.7	23.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : ○ % LEL	H ₂ S : ○ PPM
	CO ₂ : ○ PPM	O ₂ : 21.0 %
	NOTES:	
	R.E./SUPERVISOR	

[illegible]

SITE / JOB No.	LURBERS LANE SITE B SHEET 4	DAY / DATE	TUESDAY 27-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG								
3	GL	2.2		FILL/CLAY				
	2.2	9.5	3m	MUDSTONE				
	9.5	12-		WEAK DRILLING POOR CGL RETURNS				
	12-	20-		MUDSTONE				
	20-	21.2		CGL				
	21.2	43.5		MUDSTONE/SANDSTONE				
	43.5	45-		WEAK DRILLING POOR CGL RETURNS				
	45-	46.5		MUDSTONE				
	46.5	47.5		CGL				
	47.5	49-		MUDSTONE				
AE3								
	GL	2.2		FILL/CLAY				
	2.2	9-	3m	MUDSTONE				
	9-	10.5		CGL				
	10.5	19.6		MUDSTONE				
	19.6	20.6		CGL				
	20.6	42		MUDSTONE/SANDSTONE				
	42	43.3		CGL				
	43.3	45-		MUDSTONE				
	45	46-		CGL				
	46	48		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.4 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE SHEET 4	DAY / DATE	TUESDAY 27-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AE								
1	GL	1.7		FILL/CLAY				
	1.7	10.5	2m	MUDSTONE				
	10.5	12-		COAL				
	12-	21-		MUDSTONE				
	21-	22-		COAL				
	22-	43.5		MUDSTONE/SANDSTONE				
	43.5	45.5		COAL				
	45.5	47-		MUDSTONE				
	47-	48.4		COAL				
	48.4	50-		MUDSTONE				
AG1								
	GL	2-		FILL/CLAY/COAL TRACES				
	2-	9.5	3m	MUDSTONE				
	9.5	13.5		WEAK DRILLING POOR COAL RETURNS				
	13.5	22-		MUDSTONE				
	22-	23-		COAL				
	23-	44.3		MUDSTONE				
	44.3	45.8		COAL				
	45.8	48-		MUDSTONE				
	48-	49.5		COAL				
	49.5	51-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO: 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	

DELIVERY	TICKET No.	QUANTITY

R.E./SUPERVISOR

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITERB SHEET 4	DAY / DATE	TUESDAY 27-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AA1								
	GL	2.3		FILL/CLAY				
	2.3	8.5	3m	MUDSTONE				
	8.5	10-		WEAK DRILLING POOR CORE RETURNS				
	10-	20-		MUDSTONE				
	20-	21-		CORE				
	21-	42		MUDSTONE/SANDSTONE				
	42-	43-		CORE				
	43-	45.5		MUDSTONE				
	45.5	46.5		CORE				
	46.5	48-		MUDSTONE				
AC1								
	GL	1.8		FILL/CLAY				
	1.8	9.5	2m	MUDSTONE				
	9.5	10.5		WEAK DRILLING POOR CORE RETURNS				
	10.5	20.5		MUDSTONE				
	20.5	21.5		CORE				
	21.5	43-		MUDSTONE/SANDSTONE				
	43-	44.4		CORE				
	44.4	46-		MUDSTONE				
	46-	47.5		CORE				
	47.5	49-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LUCKERS LAKE SITE B SHEET 4	DAY / DATE	TUESDAY 27-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W1								
	GL	2.5		FILL/CLAY				
	2.5	4.8	3m	MUDSTONE				
	4.8	7-		WEAK DRILLING POOR COAL RETURNS				
	7-	18.5		MUDSTONE				
	18.5	19.5		COAL				
	19.5	40-		MUDSTONE/SANDSTONE				
	40	41.3		COAL				
	41.3	42.5		MUDSTONE				
	42.5	43.5		COAL				
	43.5	45-		MUDSTONE				
Y1								
	GL	2.6		FILL/CLAY				
	2.6	5.7	3m	MUDSTONE				
	5.7	8.3		WEAK DRILLING POOR COAL RETURNS				
	8.3	19-		MUDSTONE				
	19-	20-		COAL				
	20-	41-		MUDSTONE/SANDSTONE				
	41-	42-		COAL				
	42-	43-		MUDSTONE				
	43-	44.5		COAL				
	44.5	46-		MUDSTONE				

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DAILY SITE RECORD

SITE / JOB No.	lickers lane Site B Sheet 4	DAY / DATE	wed 28/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AD 16	0	2-	2-	Fill + clay				
	2-	9.9		mudstone				
	9.9	11-		Coal				
	11-	33.8		mudstone				
	33.8	38.6		Coal, mudstone				
	38.6	41-		mudstone				
AF 16	0	2-	2-	Fill + clay				
	2-	10.6		mudstone				
	10.6	11.7		Coal				
	11.7	35.9		mudstone				
	35.9	40.6		Coal, mudstone				
	40.6	43-		mudstone				
AH 16	0	2-	2-	Fill + clay				
	2-	11-		mudstone				
	11-	12-		Coal				
	12-	36.7		mudstone				
	36.7	41.5		Coal, mudstone				
	41.5	44-		mudstone				
U 13	0	2-	2-	Fill + clay				
	2-	4.1		mudstone				
	4.1	5.1		Coal				
	5.1	29.8		mudstone				
	29.8	35-		Coal, mudstone				
	35-	37-		mudstone				

[illegible][illegible]

SITE / JOB No.	lickers lane site B Sheet 4	DAY / DATE	wed 28/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W 13	0	2-	2-	fill + clay				
	2-	6.7		mudstone				
	6.7	7.8		coal				
	7.8	29.2		mudstone				
	29.2	36.1		Slightly broke, lost flush				
	36.1	39-		firm				
Y 13	0	2-	2-	fill + clay				
	2-	8-		mudstone				
	8-	9.1		coal				
	9.1	32-		mudstone				
	32-	37.2		weak coal, poor returns				
	37.2	40-		mudstone				
AA 13	0	2-	2-	fill + clay				
	2-	9.5		mudstone				
	9.5	10.5		coal				
	10.5	32.9		mudstone				
	32.9	38.6		Slightly broke, lost flush				
	38.6	41-		firm				
AC 13	0	2-	2-	fill + clay				
	2-	10.6		mudstone				
	10.6	11.6		coal				
	11.6	34.7		mudstone				
	34.7	40.1		Weak coal, mudstone returns				
	40.1	43-		mudstone				

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20.9 %
	NOTES: CO ₂ - 0.00
<i>(Signature)</i> R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane site B sheet 4	DAY / DATE	wed 28/9/22	DRILLER	D. Holdnall
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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Wed 28/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
Q29	CL	2.0	2.0	fill + Clay				
	2.0	12.0		Sandstone / Mudstone				
	12.0	21.0		Broken ground, lost flush				
	21.0	22.0		firm drilling.				
Q31	CL	2.0	2.0	fill + Clay				
	2.0	12.2		Sandstone / Mudstone				
	12.2	20.2		Weak drilling, Poor returns				
	20.2	22.0		Mudstone				
Q33	CL	2.0	2.0	fill + Clay				
	2.0	12.5		Sandstone / Mudstone				
	12.5	18.7		Weak drilling, Poor returns				
	18.7	20.0		Mudstone				
Q35	CL	2.0	2.0	fill + Clay				
	2.0	12.7		Sandstone				
	12.7	14.6		coal				
	14.6	16.8		Mudstone				
	16.8	17.9		coal				
	17.9	19.0		Mudstone				
Q37	CL	2.0	2.0	fill + Clay				
	2.0	12.0		Sandstone				
	12.0	13.8		coal				
	13.8	15.6		Mudstone				
	15.6	17.2		coal				
	17.2	19.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.00	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	wed 28/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P38	CL	2.0	2.0	fill + Clay				
	2.0	9.8		Sandstone				
	9.8	13.0		Weak drilling, Poor return.				
	13.0	14.6		Mudstone				
	14.6	15.7		COOL				
	15.7	17.0		Mudstone				
P36	CL	2.0	2.0	fill + Clay				
	2.0	12.3		Sandstone				
	12.3	14.1		COOL				
	14.1	16.0		Mudstone				
	16.0	17.0		COOL				
	17.0	18.0		Mudstone				
P34	CL	2.0	2.0	fill + Clay				
	2.0	14.8		Sandstone				
	14.8	18.5		Broken ground, lost flush.				
	18.5	20.0		firm drilling.				
P32	CL	2.0	2.0	fill + Clay				
	2.0	14.9		Sandstone				
	14.9	19.0		Broken ground, lost flush.				
	19.0	20.0		firm drilling.				
P30	CL	3.0	4.0	fill + Clay				
	3.0	15.4		Sandstone				
	15.4	20.2		Weak drilling, Poor return.				
	20.2	22.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0.00	
..... R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Core, Site B1 Sheet 4	DAY / DATE	Wed 28/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
P28	CL	2.0	2.0	fill + Clay				
	2.0	16.1		Sandstone				
	16.1	21.0		Broken ground, lost flush				
	21.0	22.0		firm drilling.				
P26	CL	2.0	2.0	fill + Clay				
	2.0	17.3		Sandstone				
	17.3	21.9		Weak drilling, Poor return.				
	21.9	23.0		Mudstone				
R26	CL	2.0	2.0	fill + Clay				
	2.0	18.0		Sandstone				
	18.0	19.7		coal				
	19.7	21.5		Mudstone				
	21.5	22.6		coal				
	22.6	24.0		Mudstone				
R28	CL	2.0	2.0	fill + Clay				
	2.0	17.5		Sandstone				
	17.5	19.6		coal				
	19.6	21.3		Mudstone				
	21.3	22.3		coal				
	22.3	24.0		Mudstone				
R30	CL	2.0	2.0	fill + Clay				
	2.0	15.4		Sandstone				
	15.4	21.4		Weak drilling, Poor return.				
	21.4	23.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: C62 0.00	
	 R.E./SUPERVISOR	

[illegible]

SITE / JOB NO.	Lickers Lane, Site B, Sheet 4	DAY / DATE	wed 28/9/22	DRILLER	L. Hawdon
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R32	CL	2.0	2.0	fill + Clay				
	2.0	16.5		Sandstone				
	16.5	18.2		coal				
	18.2	20.4		Mudstone				
	20.4	21.6		coal				
	21.6	23.0		Mudstone.				
R34	CL	2.0	2.0	fill + Clay				
	2.0	12.4		Sandstone				
	12.4	15.5		Weak drilling, lost flush				
	15.5	21.0		from drilling				
R36	CL	1.5	2.0	fill + Clay				
	1.5	13.4		Sandstone				
	13.4	15.2		coal				
	15.2	16.7		Mudstone				
	16.7	17.9		coal				
	17.9	19.0		Mudstone				
R38	CL	1.5	2.0	fill + Clay				
	1.5	12.2		Sandstone				
	12.2	14.7		Weak drilling, Poor return				
	14.7	16.5		Mudstone				
	16.5	17.2		coal				
	17.2	19.0		Mudstone				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	WEDNESDAY 28-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AC3								
	GL	1.9		FILL/CLAY				
	1.9	7.5	2m	MUDSTONE				
	7.5	9.5		WEAK DRILLING Poor Core RETURNS				
	9.5	18.5		MUDSTONE				
	18.5	19.5		COAL				
	19.5	36.5		MUDSTONE				
	36.5	41-		SLIGHTLY BROKEN GROUND LOST FLUSH				
	41-	44-		FIRM DRILLING				
	44-	45.5		WEAK DRILLING				
	45.5	47-		FIRM DRILLING				
AA3								
	GL	2.2		FILL/CLAY				
	2.2	6.5	3m	MUDSTONE				
	6.5	8-		COAL				
	8-	17.5		MUDSTONE				
	17.5	18.5		COAL				
	18.5	38.5		MUDSTONE/SANDSTONE				
	38.5	40.5		COAL				
	40.5	41.5		MUDSTONE				
	41.5	43-		COAL				
	43-	45-		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH_4 : 0 % LEL	H_2S : 0 PPM
	CO : 0 PPM	O_2 : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	WICKERS LANE SITE 73 SHEET 4	DAY / DATE	WEDNESDAY 25-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20.9 %	
	NOTES: CO ₂ 0		
			R.E./SUPERVISOR

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB NO.	LICKERS LAKE SITE B SHEET 4	DAY / DATE	WEDNESDAY 28-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
W4								
	9L	2.7		FILL/CLAY				
	2.7	4-	3m	MUDSTONE				
	4-	4.7		CLAL				
	4.7	14-		MUDSTONE				
	14-	15.5		CLAL				
	15.5	36-		MUDSTONE/SHALLOSTONE				
	36-	39-		SLIGHTLY BROKEN GROUND LOST FILL SH				
	39-	40		FIRM DRILLING				
	40	41.5		WEAK DRILLING				
	41.5	43-		FIRM DRILLING				
V2								
	9L	2.6		FILL/CLAY				
	2.6	3.8	3m	MUDSTONE				
	3.8	5.5		WEAK DRILLING, POOR CLAL RETURNS				
	5.5	15.7		MUDSTONE				
	15.7	16.7		CLAL				
	16.7	36.3		MUDSTONE				
	36.3	39.3		CLAL				
	39.3	40.5		MUDSTONE				
	40.5	41.5		CLAL				
	41.5	43-		MUDSTONE				

REMARKS:	GAS MONITORING		
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM	
	CO : 0 PPM	O ₂ : 20.9 %	
	NOTES: CO ₂ 0		
			R.E./SUPERVISOR

[illegible]

DAILY SITE RECORD

[illegible][illegible]

DAILY SITE RECORD

[illegible]

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	lickers lane Sheet 4	site B	DAY / DATE	Thu 29/9/22	DRILLER	D. Holdnall
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AD	0	2-	2-	fill + clay				
14	2-	11-1		mudstone				
	11-1	12-1		coal				
	12-1	35-4		mudstone				
	35-4	40-2		coal, mudstone				
	40-2	43-		mudstone				
AB	0	2-	2-	fill + clay				
14	2-	10-		mudstone				
	10-	11-		coal				
	11-	34-		mudstone				
	34-	39-5		coal, mudstone				
	39-5	42-		mudstone				
X	0	2-	2-	fill + clay				
14	2-	7-6		mudstone				
	7-6	8-6		coal				
	8-6	31-2		mudstone				
	31-2	36-4		weak drilling, poor returns				
	36-4	39-		mudstone				
V	0	2-	2-	fill + clay				
14	2-	6-2		mudstone				
	6-2	7-2		coal				
	7-2	29-9		mudstone				
	29-9	35-5		weak drilling, poor returns				
	35-5	38-		mudstone				

[illegible][illegible]

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
R40	CL	1.5	2.0	fill + Clay				
	1.5	9.7		Sandstone				
	9.7	13.7		Weak drilling, Poor returns.				
	13.7	19.0		Mudstone				
R42	CL	1.5	2.0	fill + Clay				
	1.5	9.2		Sandstone				
	9.2	12.9		Coal + Mudstone bands.				
	12.9	14.0		Mudstone				
R44	CL	3.5	4.0	fill + Clay				
	3.5	30.0		Sandstone / Mudstone				
E32	CL	1.5	2.0	fill + Clay				
	1.5	9.3		Mudstone				
	9.3	11.7		Weak drilling, Poor coal returns.				
	11.7	12.8		Mudstone				
	12.8	15.0		Weak drilling, lost flush				
	15.0	16.0		firm drilling.				
F33	CL	1.5	2.0	fill + Clay				
	1.5	8.9		Mudstone				
	8.9	11.3		Weak drilling, Poor coal returns.				
	11.3	12.9		Mudstone				
	12.9	14.1		Weak drilling, Poor returns				
	14.1	16.0		Mudstone				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 21.0 %
	NOTES: Cal 0.00	
	R.E / SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Thurs 29/9/22	DRILLER	L. Howdorne
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
D33	CL	1-5	2-0	fin + Clay				
	1-5	8-5		Mudstone				
	8-5	10-1		Weak drilling, lost flush.				
	10-1	15-0		firm drilling.				
E34	CL	1-5	2-0	fin + Clay				
	1-5	4-1		Mudstone				
	4-1	10-0		Weak drilling, lost flush				
	10-0	15-0		firm drilling.				
E36	CL	1-5	2-0	fin + Clay				
	1-5	7-5		Mudstone				
	7-5	9-0		Weak drilling, lost flush				
	9-0	14-0		firm drilling.				
D37	CL	1-5	2-0	fin + Clay				
	1-5	3-0		Mudstone				
	3-0	8-5		Slightly broken, lost flush.				
	8-5	12-0		firm drilling.				
E37	CL	1-5	2-0	fin + Clay				
	1-5	4-7		Mudstone				
	4-7	9-3		Weak drilling, Poor return.				
	9-3	13-0		Mudstone				
E38	CL	1-5	2-0	fin + Clay				
	1-5	5-5		Mudstone				
	5-5	8-0		Weak drilling, Poor return				
	8-0	11-0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B. Sheet 4	DAY / DATE	Thurs 29 / 9 / 22	DRILLER	L. Howdorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
B39	CL	1.0	2.0	fill + Clay				
	1.0	5.1		Mudstone				
	5.1	9.3		Weak drilling, Poor return.				
	9.3	11.0		Mudstone				
C40	CL	1.0	2.0	fill + Clay				
	1.0	6.0		Mudstone				
	6.0	10.0		coal + Mudstone				
	10.0	11.0		Mudstone				
B41	CL	0.5	2.0	fill + Clay				
	0.5	6.0		Mudstone				
	6.0	6.7		coal				
	6.7	8.3		Mudstone				
	8.3	9.1		coal				
	9.1	11.0		Mudstone				
A40	CL	0.5	2.0	fill + Clay				
	0.5	3.5		Mudstone				
	3.5	4.7		coal				
	4.7	6.4		Mudstone				
	6.4	8.5		coal				
	8.5	10.0		Mudstone				
C22	CL	2.0	2.0	fill + Clay				
	2.0	14.9		Mudstone				
	14.9	20.0		coal + Mudstone band.				
	20.0	21.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Here, Site B, Sheet 4	DAY / DATE	Thurs 29 / 9 / 22	DRILLER	L. Hancock
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
TS G23	CL	2.0	2.0	fill + Clay				
	2.0	15.1		Mudstone				
	15.1	21.6		Weak drilling, Poor returns				
	21.6	23.0		Mudstone				
TS P17	CL	2.5	2.0	fill + Clay				
	2.5	21.9		Mudstone				
	21.9	27.8		Weak drilling, Poor returns.				
	27.8	29.0		Mudstone				
TS AA 20	CL	2.5	2.0	fill + Clay				
	2.5	26.1		Mudstone				
	26.1	32.3		Weak drilling, Poor returns.				
	32.3	34.0		Mudstone				
TS D29	CL	1.5	2.0	fill + Clay				
	1.5	11.0		Mudstone				
	11.0	13.9		Weak drilling, Poor returns				
	13.9	14.5		Mudstone				
	14.5	16.2		Weak drilling, Poor returns.				
	16.2	18.0		Mudstone				
TS C32	CL	1.0	2.0	fill + Clay				
	1.0	8.3		Mudstone				
	8.3	9.9		coal				
	9.9	12.8		Mudstone				
	12.8	13.5		coal				
	13.5	15.0		Mudstone				

REMARKS:

GAS MONITORING

CH₄: 0 % LEL H₂S: 0 PPM

CO: 0 PPM O₂: 21.0 %

NOTES: CO₂ 0.00

DELIVERY

TICKET No.

QUANTITY

R.E./SUPERVISOR

[illegible]

REMARKS:	GAS MONITORING
	CH ₄ : 0 % LEL H ₂ S : 0 PPM
	CO : 0 PPM O ₂ : 20.9 %
	NOTES: C-2 0-00
	R E /SUPERVISOR

[illegible]

DAILY SITE RECORD

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE B SHEET 4	DAY / DATE	THURSDAY 29.9.2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AI								
3	GL	2.2		FILL/CLAY				
	2.2	9.5	3m	MUDSTONE				
	9.5	13-		WEAK DRILLING POOR CORE RETURNS				
	13-	21-		MUDSTONE				
	21-	22-		COAL				
	22-	45-		MUDSTONE/SANDSTONE				
AI								
S	GL	1.6		FILL/CLAY				
	1.6	8.5	2m	MUDSTONE				
	8.5	11.5		WEAK DRILLING POOR CORE RETURNS				
	11.5	20-		MUDSTONE				
	20-	21-		COAL				
	21-	43.4		MUDSTONE/SANDSTONE				
	43.4	45-		COAL				
	45-	46.7		MUDSTONE				
	46.7	47.7		COAL				
	47.7	49-		MUDSTONE				

[illegible][illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	LICKERS LAKE SITE 3 SHEET 4	DAY / DATE	FRIDAY 30-9-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG								
S	9.6	19		FILL/CLAY				
	19	7	2m	MUDSTONE				
	7-	10.5		COAL				
	10.5	19-		MUDSTONE				
	19-	20		COAL				
	20-	42.7		MUDSTONE/SANDSTONE				
	42.7	43.7		COAL				
	43.7	45-		MUDSTONE				
	45-	46.7		COAL				
	46.7	48		MUDSTONE				
AE								
S	9.6	26		FILL/CLAY/COAL TRACES				
	26	76	3m	MUDSTONE				
	76	9.3		COAL				
	9.3	18-		MUDSTONE				
	18-	19-		COAL				
	19-	42		MUDSTONE/SANDSTONE				
	42	43-		COAL				
	43-	45-		MUDSTONE				
	45-	46.4		COAL				
	46.4	48		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
..... R.E./SUPERVISOR		

[illegible]

Tel: 01902 885241

DAILY SITE RECORD

SITE / JOB No.	WICKERS LANE SITE IS SHEET 4	DAY / DATE	FRIDAY 30-9-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S: 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES:	
..... R.E./SUPERVISOR		

[illegible]

BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AG	0	2-	2-	Fill + clay				
II	2-	3.7		Mudstone				
	3.7	4.7		Coal				
	4.7	14.6		Mudstone				
	14.6	15.7		Coal				
	15.7	38.5		Mudstone				
	38.5	43.9		Weak drilling, poor returns				
	43.9	46-		Mudstone				
AE	0	2.3	2-	Fill + clay				
II	2.3	3.6		Coal				
	3.6	13.7		Mudstone				
	13.7	14.8		Coal				
	14.8	39-		Mudstone				
	39-	43-		Coal, Mudstone				
	43-	45-		Mudstone				
AC	0	2.3	2-	Fill + clay, Coal traces				
II	2.3	12.8		Mudstone				
	12.8	13.8		Coal				
	13.8	37.8		Mudstone				
	37.8	42.2		Coal, Mudstone				
	42.2	45-		Mudstone				

[illegible][illegible]

SITE / JOB No.	Lickers Lane, Site B, Sheet 3	DAY / DATE	Fri 30/9/22	DRILLER	L. Hawthorn
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
X3	CL	2.5	2.0	fill + Clay				
	2.5	22.0		Mudstone				
	22.0	26.3		Weak drilling, Poor returns.				
	26.3	28.0		Mudstone				
X5	CL	2.5	2.0	fill + Clay				
	2.5	21.9		Mudstone				
	21.9	25.2		Weak drilling, Poor returns.				
	25.2	27.0		Mudstone				
W4	CL	2.0	2.0	fill + Clay				
	2.0	22.3		Mudstone				
	22.3	23.9		COOL				
	23.9	26.0		Mudstone				
	26.0	27.2		COOL				
	27.2	29.0		Mudstone				
Y4	CL	2.0	2.0	fill + Clay				
	2.0	23.2		Mudstone				
	23.2	28.1		Weak drilling, Poor returns.				
	28.1	30.0		Mudstone				

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DAILY SITE RECORD

SITE / JOB No.	Lickers Lane, Site B, Sheet 4	DAY / DATE	Fri 29/9/22	DRILLER	L. Hamilton
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
T28	CL	2.5	2.0	fill + Clay				
	2.5	17.7		Mudstone				
	17.7	22.4		Weak drilling, Poor returns.				
	22.4	24.0		Mudstone				
T30	CL	2.5	2.0	fill + Clay				
	2.5	17.4		Mudstone				
	17.4	21.7		Slightly broken, lost flush.				
	21.7	23.0		firm drilling				

[illegible][illegible]

DAILY SITE RECORD

SITE / JOB No.	LUCKERS LANE SITE B SHEET 4	DAY / DATE	MONDAY 3-10-2022	DRILLER	M. SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
R.E./SUPERVISOR		

[illegible]

DAILY SITE RECORD

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITETB SHEET 4	DAY / DATE	MONDAY 3-10-2022	DRILLER	M SMITH
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BH	DEPTH		CASING	FORMATION	GROUTING			
	FROM	TO			PFA	CEMENT	SAND	OTHER
AH								
4	GL	2-		FILL/CLAY				
	2-	10-	3m	MUDSTONE				
	10-	12.4		COAL				
	12.4	20.7		MUDSTONE				
	20.7	22-		COAL				
	22-	43-		MUDSTONE/SANDSTONE				
	43-	44.5		COAL				
	44.5	45.5		MUDSTONE				
	45.5	46.5		COAL				
	46.5	48-		MUDSTONE				
AI								
7	GL	1.7		FILL/CLAY				
	1.7	6.5	2m	MUDSTONE				
	6.5	10-		WEAK DRILLING, POOR COAL/MUDSTONE RETURNS				
	10-	18.5		MUDSTONE				
	18.5	19.5		COAL				
	19.5	42.7		MUDSTONE/SANDSTONE				
	42.7	43.3		COAL				
	43.3	45.5		MUDSTONE				
	45.5	47-		COAL				
	47	49		MUDSTONE				

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO₂ 0	
	 R.E./SUPERVISOR	

[illegible]

DAILY SITE RECORD

SITE / JOB No.	LICKERS LANE SITE B SHEET 4	DAY / DATE	MONDAY 3-10-2022	DRILLER	M SMITH
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[illegible]

REMARKS:	GAS MONITORING	
	CH ₄ : 0 % LEL	H ₂ S : 0 PPM
	CO : 0 PPM	O ₂ : 20.9 %
	NOTES: CO ₂ 0	
	 R.E./SUPERVISOR	

[illegible]