



DRILLER'S DAILY BOREHOLE LOG

5 Charles View, Hall Green, Wakefield,
West Yorkshire, WF4 3QH

Telephone: (01924) 249386 Mobile: 07710 390 021
stuart.smallwood@btinternet.com

Contract No.		Site:										Borehole No: BH 2						
Rig Beretta 441		Grave Street - Bamsley										Borehole Dia:						
Driller Gavin Williamson												Type of Bit/ Barrel: 4 3/4						
Date 26/11/18												Type of Flush: WGR						
CASING USED		Strata Description	Strata		Drilling / Coring							Penetration Tests						
Size	Depth to		FROM	TO	TYPE OHC	RUN NO.	TIME TAKEN	DEPTH FROM	DEPTH TO	RUN LENGTH	CORE RECOVERED	FLUSH RETURNS	75 MM	75 MM	75 MM	75 MM	75 MM	75 MM
1.6	Ps	Mob to site																
WATER STRIKES		Setup Rig on BH 2																
Depth																		
Inflow (Fast med seepage)		Dry Pit Back fill clay																
Water level after 20 mins		open holing																
Depth sealed off		Brown clay																
		Grey clay																
		Mudstone																
HOURS ON SITE		Mudstone coal traces																
From	To																	
Open holing (OH)	hrs	Mudstone																
Coring (C)	hrs	Coal																
Casing borehole	hrs	Seat earth																
Moving between boreholes	hrs	Siltstone																
Dayworks	hrs	Coal																
(Details)		Seat earth																
		Silty Mudstone																
Delays	hrs	add 1.6 Ps casing																
(Reasons)		Take Rig Down and take to yard 16:00 - 16:30																
CREW		FM 5 Bowers 2 hour																
Driller	hrs	G. Williamson																
2nd Man	hrs	N. P. W. L.																
3rd Man	hrs																	
REMARKS:																		
												SIGNED (Driller) <i>[Signature]</i>						
												SIGNED (for Client)						



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Contract No.		Site: <u>Grove Street - Burnstey</u>										Borehole No: <u>BH2/3</u>									
Rig <u>Beretta TH1</u>												Borehole Dia:									
Driller <u>Gavin Williamson</u>												Type of Bit/ Barrel: <u>4 3/4</u>									
Date <u>27/11/18</u>												Type of Flush: <u>Water</u>									
CASING USED		Strata Description	Strata		Drilling / Coring							Penetration Tests									
Size <u>RW</u>	FROM		TO	TYPE OHC	RUN NO.	TIME TAKEN	DEPTH FROM	DEPTH TO	RUN LENGTH	CORE RECOVERED	FLUSH RETURNS	75 MM	75 MM	75 MM	75 MM	75 MM	75 MM				
Depth to <u>31</u>		<u>07:30 - 08:00 - collect rig from yard</u>																			
WATER STRIKES		<u>Set up rig on BH2 open hole</u>																			
Depth		<u>Silty Mudstone</u>										<u>19.1</u>	<u>23.9</u>								
Inflow (Fast med seepage)		<u>Coal</u>										<u>23.9</u>	<u>24.1</u>								
Water level after 20 mins		<u>Siltstone</u>										<u>24.1</u>	<u>25.1</u>								
Depth sealed off		<u>Loss off flush instructed to keep drilling ground firm no voids</u>										<u>25.1</u>	<u>30.0</u>								
HOURS ON SITE		<u>From To Back PM and cap 30 minutes</u>																			
Open holing (OH)		hrs																			
Coring (C)		hrs <u>Move rig and equipment to BH3</u>																			
Casing borehole		hrs <u>Rig PIT Back PM clay rubble</u>										<u>0.0</u>	<u>1.2</u>								
Moving between boreholes		hrs <u>Brown clay</u>										<u>1.2</u>	<u>2.9</u>								
Dayworks		hrs <u>Grey clay</u>										<u>2.9</u>	<u>4.2</u>								
(Details)		<u>Silty Mudstone</u>										<u>4.2</u>	<u>7.6</u>								
Delays		hrs <u>advance casing 3.1m</u>																			
(Reasons)		<u>Coal</u>										<u>7.6</u>	<u>8.2</u>								
		<u>Silty Mudstone</u>										<u>8.2</u>	<u>9.6</u>								
CREW		<u>Take rig to yard 16:00 - 16:30</u>																			
Driller <u>G. Williamson</u>		hrs																			
2nd Man <u>N. Piller</u>		hrs																			
3rd Man		hrs																			
REMARKS:											SIGNED (Driller) <u>[Signature]</u>										
											SIGNED (for Client)										



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Contract No.		Site: Grove Street Barnsley										Borehole No: BH 3/4						
Rig Beretta 4x1												Borehole Dia:						
Driller Gavin Williamson												Type of Bit/ Barrel: 4 3/4						
Date 28/11/18												Type of Flush: Water						
CASING USED		Strata Description	Strata		Drilling / Coring							Penetration Tests						
Size	Depth to		FROM	TO	TYPE OHC	RUN NO.	TIME TAKEN	DEPTH FROM	DEPTH TO	RUN LENGTH	CORE RECOVERED	FLUSH RETURNS	75 MM	75 MM	75 MM	75 MM	75 MM	75 MM
		Collect Rig from Yards	07:30	08:00														
		Set up Rig on BH3																
WATER STRIKES																		
Depth		Seat earth	8.6	9.1														
Inflow (Fast med seepage)		Siltstone	9.1	9.8														
Water level after 20 mins		COAL	9.8	10.3														
Depth sealed off		Seat earth	10.3	10.7														
		Siltstone	10.7	14.1														
HOURS ON SITE		Silty Mudstone	14.1	30.0														
From To		Backfill and cap 30 minutes																
Open holing (OH) hrs																		
Coring (C) hrs		Move to BH 4																
Casing borehole hrs		Dig Pit 0.0 - 0.4 Back fill rubble clay																
Moving between boreholes hrs		0.4 - 1.2 Brown clay																
Dayworks hrs		Brown clay																
(Details)		Mudstone	1.2	2.2														
		COAL	2.2	5.0														
Delays hrs		Seat earth																
(Reasons)		Silty Mudstone	6.0	6.7														
		add 1.6m PU casing																
CREW		Take Rig to compound 16:00 - 16:30																
Driller G. Williamson hrs																		
2nd Man N. Fuller hrs																		
3rd Man hrs																		
REMARKS:												SIGNED (Driller)						
												SIGNED (for Client)						



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Contract No.		Site: Grove Street Barnsley										Borehole No: BH4/5						
Rig Beretta t41												Borehole Dia:						
Driller Gavin Williamson												Type of Bit/ Barrel: 4 3/4						
Date 29/11/18												Type of Flush: Water						
CASING USED		Strata Description	Strata		Drilling / Coring								Penetration Tests					
Size			FROM	TO	TYPE OHC	RUN NO.	TIME TAKEN	DEPTH FROM	DEPTH TO	RUN LENGTH	CORE RECOVERED	FLUSH RETURNS	75 MM	75 MM	75 MM	75 MM	75 MM	75 MM
Depth to		Collect Rig from compound					07:30	08:00										
WATER STRIKES		set up Rig on BH4																
		open hole:																
Depth		COAL	9.0	9.3														
Inflow (Fast med seepage)		sect earth	9.3	9.5														
Water level after 20 mins		Sandstone clay Bands	9.5	11.0														
Depth sealed off		Weak Sandstone	11.0	12.0														
		Silty Mudstone	12.0	14.3														
HOURS ON SITE		COAL	14.3	20.0														
From To		sect earth	20.0	20.8														
Open holing (OH) hrs		Siltstone	20.8	30.0														
Coring (C) hrs		Back fill and cap 30 minutes																
Casing borehole hrs																		
Moving between boreholes hrs		Move Rig to BH5																
Dayworks hrs		Dig PIT Backfill Soil Rubble	0.0	1.0														
(Details)		Brown clay	1.0	1.2														
Delays hrs		Take Rig Back to compound					16:00	16:30										
(Reasons)		Set up Rig on BH5 add 1.6m PW casing																
CREW																		
Driller G. Williamson hrs																		
2nd Man N. Fisher hrs																		
3rd Man hrs																		
REMARKS:											SIGNED (Driller) G. Williamson							
											SIGNED (for Client)							



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E

Contract No.		Site: Grove Street Burnley										Borehole No: BH5								
Rig Beretta 4kl												Borehole Dia:								
Driller Gavin Williamson												Type of Bit/ Barrel: 4 3/4								
Date 30/11/18												Type of Flush: water								
CASING USED		Strata Description		Strata		Drilling / Coring						Penetration Tests								
Size				FROM	TO	TYPE OHC	RUN NO.	TIME TAKEN	DEPTH FROM	DEPTH TO	RUN LENGTH	CORE RECOVERED	FLUSH RETURNS	75 MM	75 MM	75 MM	75 MM	75 MM	75 MM	
Depth to		collect Rig from compound						7:30 - 08:00												
WATER STRIKES		set up Rig on BH5																		
Depth		Brown clay		1.2	2.3															
Inflow (Fast med seepage)		Mudstone		2.3	4.5															
Water level after 20 mins		coal		4.5	5.5															
Depth sealed off		seal earth		5.5	6.0															
HOURS ON SITE		Siltstone		6.0	8.3															
From	To	Silty Mudstone		8.3	10.5															
Open holing (OH)	hrs	Siltstone		10.5	15.0															
Coring (C)	hrs	Silty Mudstone		15.0	19.5															
Casing borehole	hrs	coal		19.5	20.0															
Moving between boreholes	hrs	seal earth		20.0	20.6															
Dayworks	hrs	Silty Mudstone		20.6	24.0															
(Details)		Backfill and cap 30 minutes																		
Delays	hrs	Take Rig to compound		16:00	16:30															
(Reasons)																				
CREW																				
Driller	hrs	G Williamson																		
2nd Man	hrs	N. Fisher																		
3rd Man	hrs																			
REMARKS:												SIGNED (Driller) G Williamson								
												SIGNED (for Client)								



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F

Contract No.		Site: <u>Grove Street - Bunnley</u>										Borehole No: <u>BH1</u>								
Rig <u>Boretta 441</u>												Borehole Dia:								
Driller <u>Gavin Williamson</u>												Type of Bit/ Barrel: <u>4 3/4</u>								
Date <u>3/12/18</u>												Type of Flush: <u>Water</u>								
CASING USED		Strata Description		Strata		Drilling / Coring						Penetration Tests								
Size				FROM	TO	TYPE OHC	RUN NO.	TIME TAKEN	DEPTH FROM	DEPTH TO	RUN LENGTH	CORE RECOVERED	FLUSH RETURNS	75 MM	75 MM	75 MM	75 MM	75 MM	75 MM	
Depth to		<u>cased 1.6 Psi casing</u>																		
WATER STRIKES		<u>Collect Rig from yard 07</u>		<u>0:30</u>	<u>08:00</u>															
		<u>Dig Pit Backfill Rubble soil</u>		<u>0:0</u>	<u>1:2</u>															
		<u>Back Fill Rubble soil</u>		<u>1:2</u>	<u>1:5</u>															
Depth		<u>Brown clay Sandstone Bands</u>		<u>1:5</u>	<u>4:0</u>															
Inflow (Fast med seepage)		<u>Mudstone</u>		<u>4:0</u>	<u>4:0</u>															
Water level after 20 mins		<u>Coal</u>		<u>4:0</u>	<u>4:7</u>															
Depth sealed off		<u>Seal earth</u>		<u>4:7</u>	<u>10:2</u>															
		<u>Silty Mudstone</u>		<u>10:2</u>	<u>18:9</u>															
HOURS ON SITE		<u>Coal</u>		<u>18:9</u>	<u>19:5</u>															
From To		<u>Seal earth</u>		<u>19:5</u>	<u>20:0</u>															
Open holing (OH) hrs		<u>Silty Mudstone</u>		<u>20:0</u>	<u>30:0</u>															
Coring (C) hrs																				
Casing borehole hrs		<u>Back Fill and cap 30 minutes</u>																		
Moving between boreholes hrs																				
Dayworks hrs																				
(Details)																				
Delays hrs																				
(Reasons)																				
CREW																				
Driller <u>G Williamson</u> hrs																				
2nd Man <u>N Fuller</u> hrs																				
3rd Man hrs																				
REMARKS:												SIGNED (Driller) <u>[Signature]</u>								
												SIGNED (for Client)								