

Borrisbeg Grid Connection

Appendix 7-2 Borehole Logs

IE002700 Borrisbeg Grid Connection F 18.09.2025

Pe	Petersen Drilling Services Ltd. on behalf of													nvir	onme	Rotary Drilling Log														
Depth of			Drille	er's Stra	tum				Sample /	Hole / Te	est Details	5				Details					Standard	d Penetrat	tion Test	on Test				Keyne		
Stratum Top (m)				escriptio				No	Туре	Insitu test	From (m)	To (m)	Liner Dia (mm)	Core run time (hhmm)	Total core Recovery (m)	Flush Return %	Flush Colour	Self Weight Pen (mm)	75 mm	150 mm	Seating Pen (mm)	75 mm	150 mm	225 mm	300 mm	Main Pen (mm)	N value	Casing Depth (m)	Water/ flush level (m)	
									RO		0.00	15.00		0000		100	grey											0.00	0.00	
0.00			Firm	brown TOPS	OIL																									
0.40		M/-	-1. 1. (-1. 1		LIMEOT	ONE																								
0.40		vve	ak nigniy we	eathered grey	LIMESIC	JNE																								
1.00		Very st	rong light gr	rey LIMESTO	NE rare fi	ractures																								
		,	0 0 0	•																										
5.00	Medium	strong to Str	ong grey LI	MESTONE w	ith freque	ent clay filled	fractures																							
	Shift	details						Dril	ling E	quipm	nent De	etails					ı	<u> </u>		G	round	Water	Reco	rd	•		Bac	ckfill (m	1)	
Start time (hhmm)	Hole (m)	Water (m)	Casing (m)	Casing (C) Open Hole (RO) Coring (RC)	Dia. (mm)	From (m)	To (m)	Barrel	Liner Type				Casing	ј Туре	Bit serial No	Flush	Polymer	Time of strike	Depth Struck (m)	Casing (m)	Inflow	5 min	10 min	15 min	20 min	Depth Sealed (m)	Туре	From (m)	To (m)	
0945				С	140.00	0.00	2.00					Sim.						1145	9.00	2.00	Fast	0.00	0.00	0.00	0.00	N/S				
Finish time	Hole	Water	Casing	RO RO	154.00 120.00	0.00 2.00	2.00 15.00					utton Bit utton Bit			115	Air Air	No No													
(hhmm)	(m)	(m)	(m)																											
1410																														
Time	Duration (hhmm)	Remarks	or details	s of any ad	ditional	testing inf	ormation,	Dayworl	ks	I		SPT I.I). Numb	er	PE	01	Calibrat	ion	01/02	2/2021	Proi	ject T	Title							
0945	(nninin)	CAT Scann	ed: Yes									SPT Ro	d Type		2 3/8 F	Regular	Date SPT End	ergy	0.	.00		,		_			<i>,</i> _			
0945		Permit Com	pleted: Yes	i								Drilling	Crew D	etails	<u> </u>		Ratio		CSC	S No				Ror	risde	eg V	/ 			
		DREM (7.50m - 9.50m): highly fractured rock with clay infill												tive		J	ohn Whyt	te			Weathe	er		Vari	iable		Project No	30/	23	
1310	0030	Dayworks: Airlift development of well											riller			Step	han Pete	ersen			Date			10/07	7/2023		Day	Mon	day	
													egory				Green					е		Knebe	HY79		Borehole Numbe			
													Engine	er				J Law			Inclinat	ion		Orienta	ation		BH 1			
												Lead D	riller's si	ignatur	е						Sheet 1 of 1						Completed Y			



Pe	eterse	en Dril	ling S	Service	es Lt	d.	on bel	nalf of	alf of Hydro Environmental Rotary Drilling Lo													ng Log	_og							
Depth of			Drille	er's Stra	tum				Sample /	Hole / Te	est Details	s				Details					Standard	l Penetrat	tion Test				Keynetix			
Stratum Top (m)				escriptio				No	Туре	Insitu test	From (m)	To (m)	Liner Dia (mm)	Core run time (hhmm)	Total core Recovery (m)	Flush Return %	Flush Colour	Self Weight Pen (mm)	75 mm	150 mm	Seating Pen (mm)	75 mm	150 mm	225 mm	300 mm	Main Pen (mm)	N value	Casing Depth (m)	Water/ flush level (m)	
									RO		0.00	24.50		0000		100	grey											0.00	0.00	
0.00			Firm br	own silty TOF	PSOIL																									
								<u> </u>																						
0.30		Firm br	own silty gra	avelly CLAY [I	BOULDER	₹ CLAY]																								
								—																						
0.70			C-# -	dod brown D				<u> </u>																						
0.70			Son o	dark brown Pl	EAI																									
								\vdash																						
1.50			Loose	grey gravelly	SAND																									
1.00			20000 (groy gravony	0712																									
								+																						
5.30			Firm grey ve	ery sandy gra	velly CLA	Y																								
8.80		Stror	ng dark grey	LIMESTONE	E rare frac	tures																								
	Shift	details						Drilling Equipment Details												Backfill (m)										
Start time (hhmm)	Hole (m)	Water (m)	Casing (m)	Casing (C) Open Hole (RO) Coring (RC)	Dia. (mm)	From (m)	To (m)	Barrel	Liner Core Dia Type (mm) Bit			Туре	Casing		Bit serial No	Flush	Polymer	Time of strike	Depth Struck (m)	Casing (m)	Inflow	5 min	10 min	15 min	20 min	Depth Sealed (m)	Туре	From (m)	To (m)	
1410				C RO	140.00 154.00	0.00	9.50 9.50	—			DTH B	utton Bit	Sim. C	Casing	115	Air	No	1505	2.00	2.00	Medium	0.00	0.00	0.00	0.00	5.50				
Finish time	Hole	Water	Casing	RO	120.00		24.50	+				utton Bit			113	Air	No	4040	40.00	9.50	Seepag	0.00	0.00	0.00	0.00	N/S				
(hhmm)	(m)	(m)	(m)															1640	18.00	9.50	е	0.00	0.00	0.00	0.00	IN/S				
1715	24.50	0.00	9.50			 		+																						
Time from	Duration (hhmm)	Remarks	or details	s of any ad	ditional	testing inf	formation,	, Daywor	ks			SPT I.I	D. Numb	er	PE	01	Calibrat	ion	01/02	2/2021	Proi	ect T	itle	l .						
1410	(11111111)	CAT Scann	od: Voc						CDT D	d Tuna		2 3/8 R	Pogular	Date SPT End	ergy	0	.00	1												
								d Type		2 3/0 F	regulai	Ratio							Bor	risb	eg V	/F								
1410		Permit Com	pleted: Yes	;			Drilling	Crew D	etails					CSC	S No			1												
			Suppor	rt Operat	tive		J	ohn Whyt	te			Weathe	r		Vari	iable		Project No	30/	23										
				Lead D	riller			Step	han Pete	ersen			Date			10/07	7/2023		Day	Mon	day									
													tegory					Green			Rig typ	е		Knebe	HY79		Borel	ole Num	ber	
													Project Engineer					J Law				ion		Orienta	ation		BH 2			
	l												riller's s	ianatur	•	1								2	Completed Y					



P	Petersen Drilling Services Ltd. on behalf of												lro E	nvir	onme	ental	Rotary Drilling Log																
Depth of			Drille	er's Strat	tum				Sample / I	Hole / Te	st Details	3				Details					Standard	d Penetrat	tion Test				Keynetix						
Stratum Top (m)				escriptio				No	Туре	Insitu test	From (m)	To (m)	Liner Dia (mm)	Core run time (hhmm)	Total core Recovery (m)	Flush Return %	Flush Colour	Self Weight Pen (mm)	75 mm	150 mm	Seating Pen (mm)	75 mm	150 mm	225 mm	300 mm	Main Pen (mm)	N value	Casing Depth (m)	Water/ flush level (m)				
														,	, , , ,			,,											,,				
	Chiff (details		1				Dril	ling E	auinm	ent De	taile				<u> </u>	<u> </u>	l I		Backfill (m)													
Start time	Hole	Water	Casing	Casing (C) Open Hole (RO)	Dia.	From	То	1	Liner	Core Dia		Туре	Casing	Toma	Bit serial	Flush	B.t.	Time of	Depth	Casing	round	5 min	10 min	15 min	20 min	Depth		From	To				
(hhmm)	(m)	(m)	(m)	Open Hole (RO) Coring (RC)	(mm)	(m)	(m)	Barrel	Туре	(mm)	Вії	туре	Casing	Type	No	Flush	Polymer	strike	Struck (m)	(m)	Inflow	5 min	10 min	15 min	20 min	Sealed (m)	Туре	(m)	(m)				
0800	24.50	0.00	9.50																														
Finish time (hhmm)	Hole (m)	Water (m)	Casing (m)																														
	(111)	()	(111)																														
1040																																	
Time from	Duration (hhmm)	Remarks	s or detail	s of any ad		SPT I.I). Numb	er	PE	D1	Calibrat Date		01/02	2/2021	Proj	ject T	itle																
0940	0030	Dayworks:	Airlift develo	pment of well								SPT Ro	d Type		2 3/8 F	Regular	SPT En	ergy	0.	.00				Dar	ما داء	- ~ \ \	<i></i>						
														etails			rtutio		CSC	S No				DOI	HSDE	eg V	٧r						
														tive		J	John Whyte				Weathe	er	Sunny				Project No	30/	23				
																Step	han Pete	rsen			Date			11/07	/2023		Day	Tues	sday				
													egory					Green			Rig typ	е		Knebe	HY79		Borehole Number						
													Engine	er			J Law				Inclinat	ion	Orientation										
												Lead D	riller's s	ignatur	е	•		Sheet 2 of 2							Completed Y								



Pe	Petersen Drilling Services Ltd. on behalf of													Hydro Environmental									Rotary Drilling Log										
Depth of			Drill	er's Stra	tum				Sample /	Hole / Te	est Details	5				Details					Standard	l Penetrat	tion Test				Keynetix						
Stratum Top (m)				escription				No	Туре	Insitu test	From (m)	To (m)	Liner Dia (mm)	Core run time (hhmm)	Total core Recovery (m)	Flush Return %	Flush Colour	Self Weight Pen (mm)	75 mm	150 mm	Seating Pen (mm)	75 mm	150 mm	225 mm	300 mm	Main Pen (mm)	N value	Casing Depth (m)	Water/ flush level (m)				
									RO		0.00	12.00		0000		100	grey											0.00	0.00				
0.00			Firm br	own silty TOF	PSOIL																												
0.30		Coff to fi		مار مناف د ۱۸۷	· h																												
0.30		5011 10 111	m grey san	dy silty CLAY	becomin	g gravelly																											
4.80	Med	lium strong to	Strong dar	k grey LIMES	TONE oc	casional fra	ctures																										
	Shift	details						Drilling Equipment Details											G	round	Water	Reco	ı	Backfill (m)									
Start time (hhmm)	Hole (m)	Water (m)	Casing (m)	Casing (C) Open Hole (RO) Coring (RC)	Dia. (mm)	From (m)	To (m)	Barrel	Liner Type	Core Dia (mm)	Bit '	Туре	Casing		Bit serial No	Flush	Polymer	Time of strike	Depth Struck (m)	Casing (m)	Inflow	5 min	10 min	15 min	20 min	Depth Sealed (m)	Туре	From (m)	To (m)				
1140				C RO	140.00 154.00	0.00	5.20 5.20				DTU D	utton Bit	Sim. C	asing	115	Air	No	1340	5.50	5.20	Fast	0.50	0.50	0.00	0.00	N/S							
Finish time	Hole	Water	Casing	RO	120.00		12.00					utton Bit			113	Air	No																
(hhmm)	(m)	(m)	(m)																														
1625					+																												
Time from	Duration (hhmm)	Remarks	or detail	s of any ad	ditional	testing inf	formation,	Dayworl	ks			SPT I.I). Numb	er	PE	01	Calibrat Date	ion	01/02	2/2021	Proj	ect T	itle										
1140		CAT Scann	ed: Yes									SPT Ro	d Type		2 3/8 F	Regular	SPT End	ergy	0.	00				_									
1140		Permit Completed: Yes												etails	1		Ratio			S No	L			Bor	risbe	eg W	/F						
1525	0030													tive		J	ohn Why	te			Weathe	r		Vari	able		Project No		23				
																Step	han Pete	ersen			Date			11/07	/2023		Day	Tues	sday				
													egory					Green			Rig typ	е		Knebe	HY79		Borehole Number		ber				
													Project Engineer					J Law					Inclination Orientation					BH 3					
												Lead D	riller's s	ignatur	е					-	Sheet			Completed Y									

