- 1				Vind Farm								TRIALPIT: TP01 Sheet 1 of 1
	CATION JENT: G			gy Develor	ments	<u> </u>				Co-ordinates:		Rig: Daewoo tracked excavator
				Energy Dev	elopm	ents				E 650,336.9 N 682,107	7.0	Rev: DRAFT
Gro GR	ound level: 2	28.51ı ATE	n O.D. R							2.30		DATE: 21.1.19
	ter strikes: dry :		e to after:			PIT	DIREC DIME GGED 1	NSION	i: 090-2 i: 1.00 MM	770 2.30m D C	В	Shoring/Support: N/A Stability: Pit stable.
Depth (m)	Date	Water	Samples	Depth (m)	In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)		DE	ESCRI	PTION
-0							228.36	0.15		DIL: Grass over firm dark brown	slightly	gravelly SILT. Gravel is fine.
- - -						× × × × × × × × × × × × × × × × × × ×	227.61	0.90	Firm o	range mottled grey SILT.		
-1			88 1 D 2	1.20-1.50 1.20-1.50		× · · × · × · × · × · × · × · × · × · ×	221.01	0.90	medim	n of shale		is angular to subangular and flat fine to gravelly coarse sand. Gravel is angular to
			<i>38038</i>			END	227.01	1.50	TP teri	ninated at 1.50m bgl on REs instr	ruction.	
-2												
08/02/19 -												
3 -3												
RISHDR												
19.GPJ 1												
N 29 20.												
PRDS JA												
00 ≥ -4												
TRIAL PIT VANE & WL RISES PINEWOOD WD TPS FILE 1 W COORDS JAN 29 2019.GPJ IRISHDRL.GDT 08/02/19												
T DWD												
NEWOO												
ISES PI												
% - 5												
Re	marks: T	TP dry	on excav	ation. TP back	filled w	ith arisi	ngs.	ļ	!			Scale:
IRIAL PI	THE STATE OF THE S						iris	h dri	lling	ltd loughrea		1:25 Ph. Fax

	JECT:			Vind Farm								TRIALPIT: T Sheet 1 of 1	TP02
CLII	ENT: G	alete	ch Ener	rgy Develop Energy Dev						Co-ordinat E 650,317.9	es: N 682,215.6	Rig: Daewoo tra Rev: DRAFT	ncked excavator
GRO	od level: 2 DUNDW. strikes: 2.60m	ATE				PIT :	DIREC DIME GGED 1	NSION	N: 000-1 N: 1.50 MM	80 * 3.40m _D		DATE: 21.1.19 Shoring/Support Stability: Pit uns 1.50 collapse from 2.1	: N/A stable. Sidewall 10m bgl.
Depth (m)	Date	Water	Samples	Depth (m)	In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)			DESCRI	IPTION	
-0							225.47		TOPSC	IL: Grass over fire	n dark brown slightly	sandy slightly gravelly	SILT.
- - - -			TENERS OF THE STATE OF THE STAT	0.90-1.30 0.90-1.30				0.20	Firm gr to medi		slightly sandy gravel	ly SILT. Gravel is round	ed to subrounded fin
-			28 3	1.40-1.60		× ^ × × × × × ×	224.27	1.40	Dhuigh	omov silty omovolly	SAND Crovel is now	nded to subangular and	flat fine to seems
- - -2			28 D 4	1.40-1.60				2.10	Bruish	grey sitty graveriy	STATES GRAVET IS FOR	need to subungular and	nat line to course.
- - -		<u>‡</u>	3 5 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6	2.10-2.50 2.10-2.50		× × × × × × × × × × × × × × × × × × ×			Stiff pirsand.	nkish grey slightly	sandy gravelly SILT	interbedded with lenses	of wet clayey fine
-3						END	222.67	3.00	TP tern	ninated at 3.00m b	gl on REs instruction		
Rem	arks: li	ngress	of water	at 2.60m bgl.	TP back	filled w	ith arisir	igs.					Scale:
OMULA,							iris	h dri	lling l	td loughr	ea		1:25 Ph. Fax

LOCATION: Co Laois CLIENT: Galetech Ener ENGINEER: Galetech E Ground level: 224.67m O.D. GROUNDWATER Water strikes: 1st: 2.40m 2nd: 4.00m 3rd: (E) ### ### ### ### ### ### ### ### ### #	-	nents PIT I			Co-ordinates: E 650,316.4 N 682,298.4	Sheet 1 of 1 Rig: Daewoo tracked excavator Rev: DRAFT
Ground level: 224.67m O.D. GROUNDWATER Water strikes: 1st: 2.40m 2nd: 4.00m 3rd: (m) than a ten of the strikes and the strikes and the strikes are a strikes. Rose to after: Salume S -0 -1 -1 -1 -2 -2 -3 -3 -4 -4	nergy Developn	PIT I			E 050,510.4 N 082,298.4	rev: DKAFI
GROUNDWATER Water strikes: 1st: 2.40m 2nd: 4.00m 3rd: Rose to after: Strict 1.00m		PIT I				DATE: 21.1.19
-1 B 1 2 B 3 4 B 3 4 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B 5 A 5 B		LOG	DIREC DIMEN GED I	NSION	000-180 1.50 * 3.00m D E	Shoring/Support: N/A Stability: Pit unstable. Sidewall collapse from 3.50m bgl.
-1 B1 2 B1 2 C2 C2 C3 C3 C4 C3 C4 C4 C5	Depth (m) In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)	DESCR	IPTION
-2 		× ₀ ·× × ·× × ·× × ·× × ·×			Grass and rushes over firm brown mottled ora rounded to subrounded fine to medium.	nge slightly sandy gravelly SILT. Gravel is
	1.30-1.50 1.30-1.50 2.40-2.60 2.40-2.60	× · × · × · × · × · × · × · × · × · × ·		2.50	1.30m: mottled bluish grey.	
-3	2.40-2.60	×: × × × × × × × × × × × × × × × × × ×	221.67	3.00	Wet light brown gravelly sandy SILT with col	
- В 5	3.50-4.00		220.67	4.00	Wet pinkish brown silty sandy angular to subcobbles. Sand is medium to coarse. Cobbles a	re flat to subrounded of shale.
-3 -4 -4 -5 Remarks: Moderate ingress	4.00	END	220.07	7.00	TP terminated at 4.00m bgl on REs instruction	1.
Remarks: Moderate ingress	s of water at 2.40m b	gl. Rapid	ingress	of water	t 4.00m bgl. TP backfilled with arisings.	Scale:
and Dately				. duil	ing ltd loughrea	1:25 Ph. Fax

	OJECT: CATION			Vind Farm								TRIALPIT: TP04 Sheet 1 of 1
				rgy Develop	ments	3				Co-ordinates:		Rig: Daewoo tracked excavator
				Energy Dev	elopm	ents				E 650,401.6 N 682,226	5.2	Rev: DRAFT
Gro	und level: 2	32.711 ATE	m O.D. R							3.00	→	DATE: 21.1.19
Wate 1st: 2nd: 3rd:		Ros	se to after:			PIT I	DIREC DIME GED 1	NSION	: 220-0 I: 1.50 MM	* 3.00m D	В	Shoring/Support: N/A Stability: Pit stable.
Depth (m)	Date	Water	Samples	Depth (m)	In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)		DE	ESCRI	PTION
- 0							222.41	0.20	TOPSO	DIL: Grass over firm grey SILT.		
						× × ×	232.41	0.30	Firm o	range mottled grey slightly sandy	slightly	gravelly SILT.
						× ^ × × × ×						
			≅ β 1	0.70-1.00		× · · ×						
-			200 2	0.70-1.00		× · · × · × · × · × · × · × · × · × · ×						
-1			88			×°. × ×°. × × × ×						
-						* . °×						
_			B 3	1.40-1.70		^ .× °^.	231.31	1.40	Cr. cc. 1	1.11	11 (1)	
			D 4	1.40-1.70		**************************************			subang	ump dark brown slightly sandy gra- ular fine to medium. Cobbles are	of shale	ILT with cobbles. Gravel is angular to
			0000			Ø [×] ¾						
-						×. ×. ×. ×. ×. ×. ×. ×. ×. ×. ×. ×. ×. ×						
-2						(Ox. \)						
-						\$\text{\omega}{\pi} \text{\omega}{\pi} \text{\omega} \text{\omega}{\pi} \text{\omega}{\pi} \text{\omega}{\pi} \text{\omega} \text{\omega}{\pi} \text{\omega}						
						× × × ×						
						\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						
02/19			B 5 D 6	2.70-3.00		× · × · × · × · × · × · × · × · × · × ·	230.01	2.70	Wet pi	nkish brown slightly sandy silty v	very ang	ular to subangular fine to medium GRAVEL.
DT 08/			300 300	2.70-3.00		18 V. R						
DRL.G			<u>%</u>									
IRISH						\$ \$ \$ \$						
19.GPJ						0 × 5 € 8						
TRIAL PIT VANE & WL. RISES PINEWOOD WD TPS FILE 1 W COORDS JAN 29 2019.GPJ IRISHDRL.GDT 08/02/19						® _O ∞® END	229.21	3.50	TP terr	minated at 3.50m bgl - obstruction	n.	
ADS JA												
/ COOF												
M-4 1 M-4												
TPS F												
QW QC												
LEWOC												
ES PII												
WL RIS												
⊗ -5 Ren	narks: ^T	P drv	on excav	ation. TP back	filled w	ith arisi	ngs					Scale:
Ş ∐Keli	nai KS. I	. a uiy	on eneav	II Uach	VU W	(41131)						1:25
TRIA	G.						iris	h dri	lling l	ltd loughrea		Ph. Fax

	OJECT: CATION			Vind Farm								TRIALPIT: TP05 Sheet 1 of 1
				rgy Develor	ments	i				Co-ordinates:		Rig: Daewoo tracked excavator
EN	GINEER:	: Ga	letech F	Energy Dev	elopm	ents				E 650,298.8 N 682	,417.4	Rev: DRAFT
Gro	und level: 2	27.031 ATE	m O.D. R							3.00		DATE: 21.1.19 Shoring/Support: N/A
Wat 1st: 2nd: 3rd:		Ros	se to after:			PIT I	DIREC DIME GED	NSION	: 320-1 I: 1.60 MM	* 3.00m D	В	Stability: Pit stable.
Depth (m)	Date	Water	Samples	Depth (m)	In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)			DESCRI	PTION
- 0							226.72	0.20	TOPSO	OIL: Grass and rushes over fi	irm dark grey	y SILT.
- - -1			製 1 製 D 2	0.30-0.50 0.30-0.50		****** * * * * * * * * * * * * * * * *		0.30	Firm g	reyish brown mottled orange	slightly sand	dy slightly gravelly SILT.
-			B 3 3 0 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.50-1.80 1.50-1.80		* · · · · · · · · · · · · · · · · · · ·]	1.50	Stiff da	ırk pinkish grey slightly sand	ly SILT with	pockets of very soft silt.
-2 - -			в 5 5	2.20-2.50		× × × × × × × × × × × × × × × × × × ×			Wet pi mediui	nkish grey slightly sandy gra n.	ivelly SILT. (Gravel is subangular to angular fine to
019.GPJ IRISHDRL.GDT 08/02/19						© X X X X X X X X X X X X X X X X X X X	224.33	3.50	Wet pi	nkish grey silty angular to su	ıbangular fin	e to medium GRAVEL.
TRIAL PIT VANE & WL RISES PINEWOOD WD TPS FILE 1 W COORDS JAN 29 2019.GPJ IRISHDRL.GDT 08/02/19 A						END	223.03	3.30	TP terr	ninated at 3.50m bgl - obstru	action.	
Rer	narks: T	TP dry	on excav	ation. TP back	filled w	ith arisi	ngs.					Scale:
I AL PII							• • •	1 1 47		411		1:25
T. ST. COM	Control of the Contro						iris	h dri	lling	td loughrea		Fn. Fax

CLIENT: Galetech Energy Developments ENGINEER: Galetech Energy Developments Ground level: 237-96m O.D. GROUNDWATER Water strike: list dry 3 dry Bow to after: A part of the property of t					Vind Farm									P06
ENGINEER: Galettech Energy Developments E 680,376.9 N 682,425.0 Rev: DRAFT Ground level: 237,96m O.D. GROUNDWATER Water strike: already of the part					agy Davalar	amonto					Co andinatas		Sheet 1 of 1	ekod oveovotor
Ground levet: 237.96m O.D. GROUNDWATER Water strikes. Rose to after: PIT DIRECTION: 000-180	- 1											82,425.0	-	Keu excavator
PIT DIRECTION: 000-180 PIT DIMENSION: 1.50 * 2.80m DISCRIPTION Stability: Pit stable. Shoring/Support: N/A Stability: Pit stable. Shoring/Support: N/A Stability: Pit stable. PIT DIMENSION: 1.50 * 2.80m DISCRIPTION DESCRIPTION DESCRIPT					shergy bev	стории								
TOPSOIL: Grass and rushes over firm dark grey SILT. 237.76 0.20 Firm brownish orange silty CLAY. 237.26 0.70 Greyish brown silty sandy subangular to angular shale GRAVEL. 90.28 237.26 0.70 Greyish brown silty sandy subangular to angular shale GRAVEL. Possible weathered SHALE rock. Recovered as angular to subangular cobble and boulder sized clasts of shale with orangish brown sandy silt. 10.70-1.30 11.70 12.77 12.77 13.70 14.70 15.70 16.70 17.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.70 18.	GR Wat 1st: 2nd:	OUNDW ter strikes: dry	ATE	R			PIT	DIME	NSION	l: 1.50		В	Shoring/Support: Stability: Pit stab	N/A le.
1 0.70-1.30 Firm brownish orange silty CLAY. State	Depth (m)	Date	Water	Samples	Depth (m)	In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)			DESCRI	PTION	
Furn brownish orange silty CLAY.	-0							237.76	0.20	TOPSO	DIL: Grass and rushes ove	r firm dark grey	/ SILT.	
Greyish brown silty sandy subangular to angular shale GRAVEL. Comparison of the c	Ī						X - X	237.70	0.20	Firm b	rownish orange silty CLA	Y.		
Greyish brown silty sandy subangular to angular shale GRAVEL. Comparison of the c	-													
Greyish brown silty sandy subangular to angular shale GRAVEL. Comparison of the c							× ×							
Possible weathered SHALE rock. Recovered as angular to subangular cobble and boulder sized clasts of shale with orangish brown sandy silt. END TP terminated at 2.40m bgl - obstruction.				<u>≅</u> β 1	0.70-1.30			237.26	0.70	Greyis	n brown silty sandy suban	gular to angula	r shale GRAVEL.	
Recovered as angular to subangular cobble and boulder sized clasts of shale with orangish brown sandy silt. 2 2 235.56 2.40 TP terminated at 2.40m bgl - obstruction.	T			20000			% .X. X					-		
Recovered as angular to subangular cobble and boulder sized clasts of shale with orangish brown sandy silt. 2 2 235.56 2.40 TP terminated at 2.40m bgl - obstruction.	-1			20000			\$ \(\frac{1}{2} \)							
Recovered as angular to subangular cobble and boulder sized clasts of shale with orangish brown sandy silt. 2 2 235.56 2.40 TP terminated at 2.40m bgl - obstruction.	1			<i>30000</i>			0 D. 0							
brown sandy silt. -2				200			\$ X 6	236.66	1.30	Possib	e weathered SHALE rock			
END 235.56 2.40 TP terminated at 2.40m bgl - obstruction.	Ī									Recove brown	ered as angular to subangu sandy silt.	ılar cobble and	boulder sized clasts of sl	ale with orangish
END 235.56 2.40 TP terminated at 2.40m bgl - obstruction.	ŀ													
END 235.56 2.40 TP terminated at 2.40m bgl - obstruction.														
END 235.56 2.40 TP terminated at 2.40m bgl - obstruction.														
TP terminated at 2.40m bgl - obstruction.	-2													
TP terminated at 2.40m bgl - obstruction.	-													
								235.56	2.40					
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25							END			TP terr	ninated at 2.40m bgl - obs	struction.		
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	1/19													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	08/05													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:	TO9:													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	SHDRI													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	J IRIS													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	19.GP													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 Ph. Irish drilling ltd loughrea	29 20													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 Ph.	S JAN													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	00RD													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	<u>></u> 4													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 Ph.	FILE													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 Ph.	MD TPS													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	√ 1													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	NEWC													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25	ES PI													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph	/L RIS													
Remarks: TP dry on excavation. TP backfilled with arisings. Scale: 1:25 Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph. Ph	[≈] -5													
irish drilling ltd loughrea	 Rer	marks:	IP dry	on excav	ation. TP back	ctilled w	ıth arisi	ngs.						
	TRIALF	N.						iris	h dri	lling	td loughrea			

	OJECT: CATION			Vind Farm							TRIALPIT: T	P07
CLI	ENT: G	alete	ch Ener	gy Develop					Co-ordinates: E 650,389.9 N 682,35	52.5	Rig: Daewoo trac	cked excavator
	GINEER: und level: 2			Energy Dev	elopm	ents 			E 030,389.9 N 082,33	32.3	Rev: DRAFT DATE: 21.1.19	
GR	OUNDW er strikes: dry	ATE	R se to after:			PIT :	DIREC DIME GGED	NSION	: 090-270 : 1.30 * 2.50m D	В	Shoring/Support: Stability: Pit stab	N/A le.
Depth (m)	Date	Water	Samples	Depth (m)	In-situ Vane Tests	LEGEND	Elevation m O.D.	Depth (m)	D	ESCRI	PTION	
-0 -							233.65	0.30	TOPSOIL: Firm light brown SILT.			
- -1 - - -			33 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.70-1.90 1.70-1.90		**************************************			Stiff brown mottled greyish orange slig is angular to subangular and flat of shall a shall be subangular and flat of shall be	ghtly sand	ty slightly gravelly SILT les are angular to subang	with cobbles. Grave
- - -									Possible weathered SHALE rock. Recovered as wet angular to subangular brownish orange and bluish grey silty	ar fine to sand.	medium gravel sized clas	sts of shale with
- 3		-				END	230.95	3.00	TP terminated at 3.00m bgl - obstructi	ion.		
-3 3 4 5 Ren												
-5 Ren	narks:	 TP wet	from 2.3	0m bgl. TP ba	ckfilled	with ari	sings					Scale:
		•										1:25
DAME,	-						iris	h dri	ling ltd loughrea			Ph. Fax

Irish Drilling Ltd: Trial Pit Photos:



Figure 1 H:\2019LS102_Pinewood\Pictures\TP-1 (1).JPG



Figure 2 H:\2019LS102_Pinewood\Pictures\TP-1 (2).JPG



Figure 3 H:\2019LS102_Pinewood\Pictures\TP-2 (1).JPG



Figure 4 H:\2019LS102_Pinewood\Pictures\TP-2 (2).JPG



Figure 5 H:\2019LS102_Pinewood\Pictures\TP-3 (1).JPG



Figure 6 H:\2019LS102_Pinewood\Pictures\TP-3 (2).JPG

Irish Drilling Ltd: Trial Pit Photos:



Figure 7 H:\2019LS102_Pinewood\Pictures\TP-4 (1).JPG



Figure 8 H:\2019LS102_Pinewood\Pictures\TP-4 (2).JPG



Figure 9 H:\2019LS102_Pinewood\Pictures\TP-5 (1).JPG



Figure 10 H:\2019LS102_Pinewood\Pictures\TP-5 (2).JPG



Figure 11 H:\2019LS102_Pinewood\Pictures\TP-6 (1).JPG



Figure 12 H:\2019LS102_Pinewood\Pictures\TP-6 (2).JPG

Irish Drilling Ltd: Trial Pit Photos:



Figure 13 H:\2019LS102_Pinewood\Pictures\TP-7 (1).JPG



Figure 14 H:\2019LS102_Pinewood\Pictures\TP-7 (2).JPG

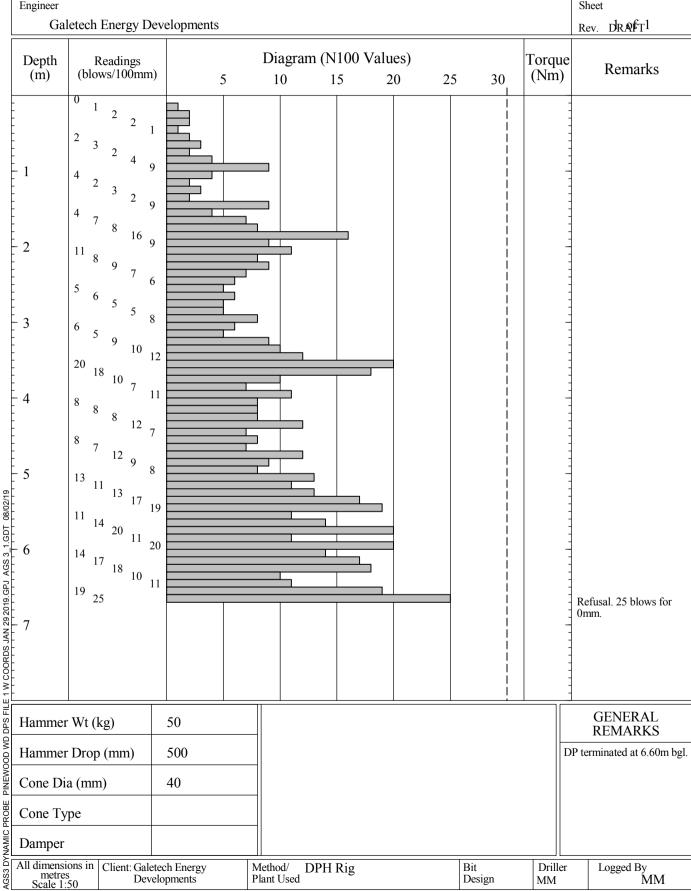


Project Pinewood W	ind Farm	I	cocation		PROBE No
			Co Laois		DPTP01
Job No	Date 21-01-19	Ground Level (m OD)	Co-Ordinates ()		DPIPUI
2019LS102	21-01-19	228.51	E 650,336.9	N 682,107.0	
Engineer	•		•		Sheet
Galetech Ener	gy Developments				Rev. DRAFT1

Ga	letech Energy De	velopments						1	Rev. DRAFT1
Depth (m)	Readings (blows/100mm)	5	Diagran 10	n (N100 V 15	/alues)	25	30	Torque (Nm)	Remarks
1	0 1 2 3 2 3 4 8 8 7 6 7 6 4 5 2 3 2 10								
2	9 11 24 18 26							-	Refusal. 26 blows for
3								-	Omm.
4									
5								-	
6								-	
7									
Hammei	Wt (kg)	50					<u> </u>		GENERAL REMARKS
Hammei	Drop (mm)	500							P terminated at 2.40m
Cone Di	a (mm)	40							
Cone Ty									
Damper		ech Energy opments					it	Driller	Logged By MM

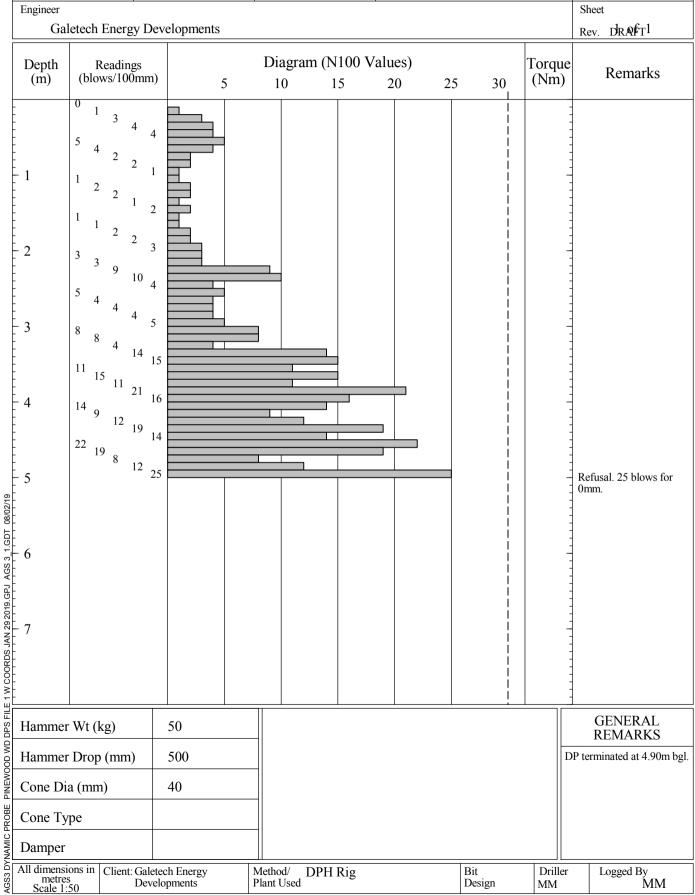


Project Pinewood W	Vind Farm	L	ocation		PROBE No
			Co Laois		DPTP02
Job No	Date 21-01-19	Ground Level (m OD)	Co-Ordinates ()		DP1PUZ
2019LS102	21-01-19	225.67	E 650,317.9	N 682,215.6	
Engineer					Sheet
Galetech Ene	rgy Developments				Rev. DRAFT1
					1





				DINAMIC	111	DE LOG				
Project Pin	newood Win	ıd Farm			Loca	tion			PROI	BE No
					Co	Laois			דמח	P03
Job No		Date 21	1-01-19	Ground Level (m Ol	D)	Co-Ordinates ()			DFI	FU3
2019I	LS102		1-01-19	224.67		E 650,316.4	N 682,29	98.4		
Engineer									Sheet	
Galetech Energy Developments									Rev. DRA	of T1
Depth Readings Diagram (N1				00 V	alues)		Torque	D	1	





			2 11 (111,110		02220			
Project Pin	newood Win	d Farm		Loca	ation			PROBE No
				Co	DPTP04			
Job No		Date 21-01-19	Ground Level (m Ol	D)	Co-Ordinates ()			DF IFU4
2019LS102 21-01-19 232.71					E 650,401.6	N 682,22	26.2	
Engineer								Sheet
Galetech Energy Developments								Rev. DRAFT1
Denth Readings Diagram (N10					(alues)		Torque	

Ga	letech Energy Dev	velopments							Rev. DRAFT1
Depth (m)	Readings (blows/100mm)	5	Diagran 10	n (N100) 15	Values) 20	25	30	Torque (Nm)	e Remarks
1	0 2 1 3 7 10 5 7 9 11 15 13 14 11 10 7 8 7 10			5					
2	25								Refusal. 25 blows for 0mm.
3									
4									
5									
6									
7									
Hammer	r Wt (kg)	50							GENERAL REMARKS
Hammer Drop (mm) Cone Dia (mm)		500							DP terminated at 2.00m
Cone Di		40							
Damper All dimensi			ethod/ I	OPH Rig			it	Drille	r Logged By

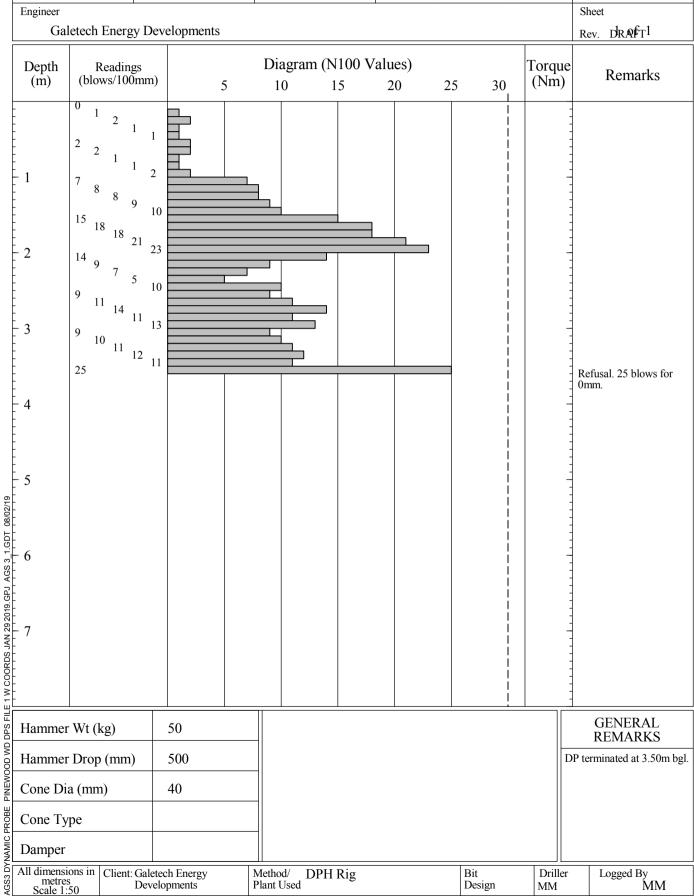


All dimensions in metres Developments

metres Scale 1:50

DYNAMIC PROBE LOG

Project Pinewood V	Vind Farm	L	ocation	PROBE No
			Co Laois	DPTP05
Job No	Date 21-01-19	Ground Level (m OD)	Co-Ordinates ()	טרו אט
2019LS102	21-01-19	227.03	E 650,298.8 N 682,417.4	
Engineer				Sheet
Galetech Ene	Rev. DRAFT1			



DPH Rig

Method/

Logged By MM

Driller

MM

Bit

Design



				1	<i>)</i> Y N A	MIC 1	PROE	BE LC)G			
Project Pi	newood W	ind Farn	n				Locatio					PROBE No
Co Laois									DPTP06			
Job No	1.0102	Date	21-01-19 21-01-19				D) C	o-Ordina		NI (02 1	25.0	2 00
2019 Engineer	LS102		21-01-19		23	37.96		E 65	0,376.9	N 682,4	25.0	Sheet
	etech Ener	ov Deve	lonments									Rev. DRAFT1
Gai		gy DCVC	лоринения								<u> </u>	Rev. DRAFI1
Depth (m)	Readin (blows/10	ngs 00mm)	5		Diagra 10	m (N10 15		ues) 20	25	30	Torque (Nm)	Remarks
- 1 - 2 - 3 - 4 - 5	0 2 1 2 1 1 9 15 10 18 19 18 18 11 12 25	1 3 2 2 11 15 21 16 14 21										Refusal. 25 blows for 0mm.
Hammer Wt (kg) 50										GENERAL REMARKS		
Hammer Drop (mm) 500			$-\parallel$							D	P terminated at 2.50m b	
Cone Dia			40	$-\parallel$								
Cone Ty Damper	pe			$-\parallel$								
All dimensi	ons in Clien	t: Galetecl	n Energy	Me	ethod/ ant Used	DPH Ri	g		Bit	<u> </u>	Driller	Logged By MM
metres Scale 1:	50	Develop	oments	Pla	ant Used				De	sign	MM	MM



Project Pinewood W	/ind Farm	L	ocation	PROBE No	
			Co Laois	DPTP07	
Job No	Date 21-01-19	Ground Level (m OD)	Co-Ordinates ()		DPIPUI
2019LS102	21-01-19	233.95	E 650,389.9 N 6	682,352.5	
Engineer					Sheet
Galetech Ene	Rev. DRAFT1				

