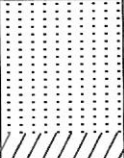


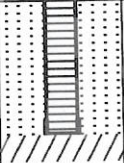
BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB021S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 21/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
							COMMENTS			
			*419		5.5		Loose, silty, fine-med rounded and sub-rounded GRAVEL			5.5
					6.0		End of Borehole			6.0
					6.5					6.5
					7.0					7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: 18/09/2002
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-022
		Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB022S1		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 21/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
							DESCRIPTION	COMMENTS		
	DSB022 3.4m				0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0		Loose, brown, medium SAND. MADE GROUND	Wet. Slight solvent odour from 0.5m	0.0	
								Strong solvent odour from 0.8m	0.5	
									1.0	
									1.5	
									2.0	
									2.5	
									3.0	
									3.5	
									4.0	
									4.5	
		5.0								
LOCATION / NOTES: NVO = No visual or olfactory evidence							LEGEND Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table		BOREHOLE LOG Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery App'd: _____ Date: 18/09/2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG	

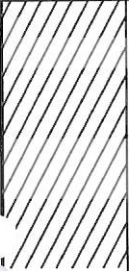
BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB022S1		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 21/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
	DSB022				5.5		Dense COBBLES and coarse, rounded GRAVELS.		COMMENTS	5.5
							End of Borehole			
					6.0					6.0
					6.5					6.5
					7.0					7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: 18/09/2002
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-022
		Org. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB022S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 21/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
	DSB022 5.4m				5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0		Dense COBBLES and coarse, rounded GRAVELS.		COMMENTS	5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0
							End of Borehole			

LOCATION / NOTES: NVO = No visual or olfactory evidence		LEGEND  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table		BOREHOLE LOG Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 				App'd: Drawn : SS Scale: As scale Drg. Size: A4	Date: 18/09/2002 Ref: Job No: 39991-022 BOREHOLE LOG
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BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB023S2		PAGE 1 of 2						
	NUMBER	TYPE					DRILLING DATES: 17/01/02		DRILLING METHODS : Hydraulic Percussive						
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm						
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm						
							CHECKED BY :		SCREEN SLOT SIZE: 1mm						
	DSB023 3.5m		*543 *717 * >2000		0.0		Loose, angular fine-med GRAVEL with brick and some sandy silt patches. MADE GROUND		HC	0.0					
					0.5		COBBLES/GRAVEL		Strong HC odour and sheen	0.5					
					1.0		Very loose, slightly sandy, fine to coarse, angular GRAVEL.			1.0					
					1.5		With silt from 2.5m			1.5					
					2.0		Very strong HC and solvent odour and product. Wet	2.0							
					2.5			2.5							
					3.0		Soft to firm, grey/grey-brown sandy SILT with frequent medium, sub-angular to sub-rounded gravel.		Strong solvent odour	3.0					
					DSB023 4.5m				3.5	With coarse sand from 3.7-4.1m		Solvent and HC product 3.5-4.2m	3.5		
									4.0			Dry/damp, HC odour	4.0		
									4.5	Grey/grey-brown, slightly sandy SILT			4.5		
5.0	Soft grey/grey brown, sandy/clayey SILT with occasional rounded, coarse gravel		Odour decreasing from 4.2m	5.0											
LOCATION / NOTES:									LEGEND		BOREHOLE LOG				
NVO = No visual or olfactory evidence									Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table		Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 				
											App'd:	Date: 18/09/2002			
											Drawn : SS	Ref:			
											Scale: As scale	Job No: 39991-022			
											Drg. Size: A4	BOREHOLE LOG			

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB023S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 17/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
	DSB023 5.2m				5.5				Damp to wet. Slight solvent odour?	5.5
							Soft, brown/orange-brown, very sandy SILT			
							Loose to dense, fine-coarse rounded GRAVEL			
							End of Borehole			
					6.0					6.0
					6.5					6.5
					7.0					7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

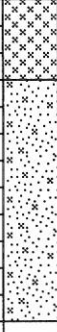
LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: 18/09/2002
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-022
		Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB024S1		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 23/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
							DESCRIPTION	COMMENTS		
					0.0		Loose, black angular fine-medium gravel of ash/clinker	Wet. Strong H/C and Solvent odour	0.0	
					0.5					
					1.0		Loose angular platy coarse gravel with silt. Soft grey mottled-brown silt with plant remains	Strong odour Decreasing solvent and H/C odour	1.0	
					1.5					
					2.0		Soft, sandy clayey grey silt with frequent rounded coarse gravel	Increasing solvent odour	2.0	
				2.5						
					3.0			Sheen very strong solvent odour from 2.6m	3.0	
					3.5		Loose, grey, silty and sandy, fine to coarse, sub-angular to sub-rounded gravel	Wet. Saturated 3.2-3.9	3.5	
					4.0		End of Borehole		4.0	
					4.5				4.5	
					5.0				5.0	

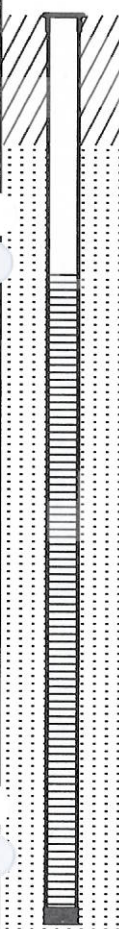
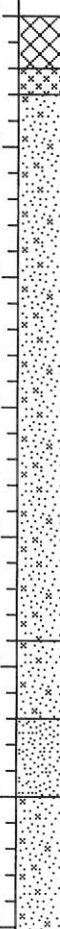
LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
			App'd: _____ Date: July 2002 Drawn : _____ Ref: _____ Scale: _____ Job No: 39991-022 Drg. Size: _____ BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB024S2		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 23/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
							DESCRIPTION	COMMENTS		
	DDMW02 -1.5m						Loose, black angular fine-medium gravel of ash/clinker	and Solvent odour	0.0	
							Loose angular platy coarse gravel with silt. Soft grey mottled-brown silt with plant remains	Strong odour	0.5	
								Decreasing solvent and H/C odour	1.0	
							Soft, sandy clayey grey silt with frequent rounded coarse gravel	Increasing solvent odour.	2.0	
							Loose, grey, silty and sandy, fine to coarse, sub-angular to sub-rounded gravel	Sheen. Very strong solvent odour from 2.6. Wet Saturated 3.2-3.9	3.0	
Saturated. Very strong solvent odour. Odour rapidly decreases. No odour from 4.3m. Damp	3.5									
	4.0									
Soft to firm grey-brown, slightly sandy silt with occasional medium, sub-rounded gravel. Grades to brown from 5.0m Sandy from 5.2m		4.5								
									5.0	

LOCATION / NOTES:		LEGEND		BOREHOLE LOG	
NVO = No visual or olfactory evidence			Disturbed Sample	Job Title: DiMe Investigation	
			Undisturbed Sample	Location: BP Llandarcy Refinery	
			Headspace Analysis	Client: BP Oil Llandarcy Refinery	
			Down Borehole Analysis		App'd:
			Groundwater Table		Date: July 2002
			Perched Water Table		Drawn :
					Ref:
				Scale:	Job No: 39991-022
				Drg. Size:	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB024S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 23/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
	DDMW02	-			5.5		Dense, brown silty sand with occasional medium, sub-rounded gravel		COMMENTS Damp-Wet NVC. Dry-damp	5.5
							End of Borehole			6.0
					6.5					6.5
					7.0					7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: July 2002
		Drawn :	Ref:
		Scale:	Job No: 39991-022
		Drg. Size:	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB025S1		PAGE 1 of 2		
	NUMBER	TYPE					DRILLING DATES: 11/01/02-14/01/02		DRILLING METHODS : Hydraulic Percussive		
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm		
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm		
							CHECKED BY :		SCREEN SLOT SIZE: 1mm		
							DESCRIPTION	COMMENTS			
	DDMW 01-2.0		*16.6	0.0		Loose to dense ground of clinker with ash and coarse, angular cobbles. (MG)	Irridescence. Strong solvent odour. Wet	0.0			
			*9.1	0.5		Soft, brown 'organic' silt		0.5			
			*4.6	1.0		Soft to firm grey, mottled brown clayey silt. Slightly sandy from 1.0m		NVC NCG Feint solvent odour 1.0m Damp 1.5m Moderate odour damp - wet	1.0		
			*7.6	1.5		Increasing sand to sandy silt from 1.3m and coarse rounded gravel from 1.4m			1.5		
			*10.1	2.0					2.0		
			*14.2	2.5		Soft, light brown very sandy silt with occasional medium-coarse rounded gravel		Moderate odour. Wet from 2.5m	2.5		
			DDMW01 -2.9			*36		3.0	Loose, brown, medium sand	Irridescence. Strong solvent odour. Wet	3.0
						*545		3.5	Loose brown, mottled grey-blue very silty fine-medium sand with occasional-frequent medium-coarse rounded gravel.	Moderate-Strong solvent. Wet	3.5
						*247		4.0	Brown from 3.5m with patches of fine silty-clay. Gravel frequent from 4.0m with sandy layers becoming sandy silt.		4.0
						*66.0		4.5	Dense from 5.3m		4.5
		*47.4	5.0		Coring 5.9 - 6.1 (cobble)		5.0				
LOCATION / NOTES:						LEGEND		BOREHOLE LOG			
NVO = No visual or olfactory evidence						 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table		Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery			
								App'd:	Date: July 2002		
								Drawn : SS	Ref:		
								Scale: As scale	Job No: 39991-022		
								Drg. Size: A4	BOREHOLE LOG		

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB025S1		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 11/01/02-14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
							COMMENTS			
							Odour increases from 5.30m		5.5	
							Damp-Wet NVC		6.0	
							Loose, medium to coarse sand with frequent rounded medium-coarse gravel Dense very silty sand with frequent cobbles.		6.5	
							End of Borehole		7.0	
									7.5	
									8.0	
									8.5	
									9.0	
									9.5	
									10.0	

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	Disturbed Sample Undisturbed Sample * Headspace Analysis + Down Borehole Analysis ~ Groundwater Table ~ Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
		App'd: Scale: As scale Org. Size: A4	Date: July 2002 Ref: Job No: 39991-022 BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB025S2		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 11/01/02-14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
DESCRIPTION							COMMENTS			
	DDMW 01-2.0		*16.6	0.0		Loose to dense ground of clinker with ash and coarse, angular cobbles. (MG)	Moderate-strong solvent odour wet 0-0.2m	0.0		
			*9.1	0.5		Soft, brown 'organic' silt		0.5		
			*4.6	1.0		Soft to firm grey, mottled brown clayey silt. Slightly sandy from 1.0m	NVC NCG Feint solvent odour 1.0m	1.0		
			*7.6	1.5		Increasing sand to sandy silt from 1.3m and coarse rounded gravel from 1.4m	Damp 1.5m	1.5		
			*10.1	2.0		Moderate odour damp - wet	2.0			
			*14.2	2.5		Soft, light brown very sandy silt with occasional medium-coarse rounded gravel	Moderate odour, damp-wet (iridescent?) Wet from 2.5m	2.5		
				3.0		Loose, brown, medium sand	Irridescence. Strong solvent odour. Wet	3.0		
			DDMW01 -2.9	*36	3.0		Loose brown, mottled grey-blue very silty fine-medium sand with occasional-frequent medium-coarse rounded gravel.	Moderate-Strong solvent. Wet	3.5	
				*545	3.5		Brown from 3.5m with patches of fine silty-clay. Gravel frequent from 4.0m with sandy layers becoming sandy silt.		4.0	
				*247	4.0		Dense from 5.3m		4.5	
	*66.0	4.5	Coring 5.9 - 6.1 (cobble)		5.0					
	*47.4	5.0								

LOCATION / NOTES:

NVO = No visual or olfactory evidence

LEGEND

- Disturbed Sample
- Undisturbed Sample
- Headspace Analysis
- Down Borehole Analysis
- Groundwater Table
- Perched Water Table

BOREHOLE LOG

Job Title: DiMe Investigation

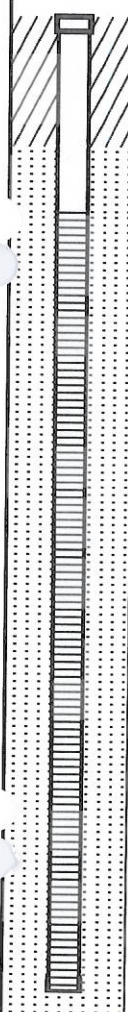
Location: BP Llandarcy Refinery

Client: BP Oil Llandarcy Refinery

App'd:	Date: July 2002
Drawn : SS	Ref:
Scale: As scale	Job No: 39991-022
Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB025S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 11/01/02-14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
		CHECKED BY :		SCREEN SLOT SIZE: 1mm						
			*3.9		5.5				Odour increases from 5.30m	5.5
					6.0		Loose, medium to coarse sand with frequent rounded medium-coarse gravel		Damp-Wet NVC	6.0
			*4.9		6.5		Dense very silty sand with frequent cobbles.			6.5
					7.0		End of Borehole			7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
			App'd: _____ Date: July 2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB026S1		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
					0.0		DESCRIPTION		COMMENTS	0.0
							Concrete		NVO	
							Loose MADE GROUND comprised of crushed brick and cobbles			
					0.5		Loose, fine-coarse, angular GRAVEL			
							Soft to firm, black SILT		NVO	
							Soft to firm, fine, yellow-brown/mottled blue, sandy SILT			
			*21.9			1.0			NVC, slight solvent odour Damp. NVO	
			*3.4			1.5				
								With dense grey sand from 1.7-1.8m.		
			*40.8			2.0		Brown from 1.9m, with frequent med-coarse gravel		
									Sand - solvent odour Wet. NVO	
			*4.7			2.5		Slightly silty SAND from 2.3m, with some gravel		
			*24.0			3.0				
								Wet. NVO		
		*10.0			3.5					
		*10.7			4.0		Loose, brown-grey, silty SAND with occasional coarse gravel and cobbles.			
							Very silty from 4.3m			
							With occasional flat gravel of lithified sandstone from 4.6-4.8m			
		*1.5			4.5		Varying silt from 5.0m.			
							Dense from 6.5m			
		*0.7			5.0					
LOCATION / NOTES:					LEGEND			BOREHOLE LOG		
NVO = No visual or olfactory evidence					 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table			Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery		
								App'd: Date: 20/09/2002		
								Drawn : SS Ref:		
								Scale: As scale Job No: 39991-022		
								Drg. Size: A4 BOREHOLE LOG		

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB026S1		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
 			*1.1		5.5				COMMENTS Wet. NVO	5.5
			*0.8		6.0					6.0
					6.5					6.5
					7.0		End of Borehole			7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
			App'd: _____ Date: 20/09/2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB026S2		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
						DESCRIPTION	COMMENTS			
						0.0	Concrete		0.0	
							Loose MADE GROUND comprised of crushed brick and cobbles			
						0.5	Loose, fine-coarse, angular GRAVEL	NVO	0.5	
							Soft to firm, black SILT			
						1.0	Soft to firm, fine, yellow-brown/mottled blue, sandy SILT	NVO	1.0	
						1.5		NVC, slight solvent odour	1.5	
							With dense grey sand from 1.7-1.8m.			
						2.0	Brown from 1.9m, with frequent med-coarse gravel	Damp. NVO	2.0	
						2.5	Slightly silty SAND from 2.3m, with some gravel	Sand - solvent odour	2.5	
						3.0		Wet. NVO	3.0	
						3.5			3.5	
							Loose, brown-grey, silty SAND with occasional coarse gravel and cobbles.			
						4.0	Very silty from 4.3m	Wet. NVO	4.0	
							With occasional flat gravel of lithified sandstone from 4.6-4.8m			
						4.5	Varying silt from 5.0m.		4.5	
							Dense from 6.5m			
						5.0			5.0	

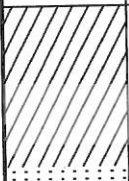
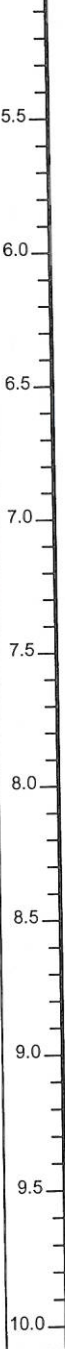
LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	■ Disturbed Sample ■ Undisturbed Sample ✱ Headspace Analysis † Down Borehole Analysis ≡ Groundwater Table ≡ Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery URS App'd: _____ Date: 20/09/2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB026S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 14/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
									COMMENTS	
			*1.1		5.5				5.5	
			*0.8		6.0				6.0	
					6.5				6.5	
					7.0				7.0	
					7.5				7.5	
					8.0				8.0	
					8.5				8.5	
					9.0				9.0	
					9.5				9.5	
					10.0				10.0	
						End of Borehole				

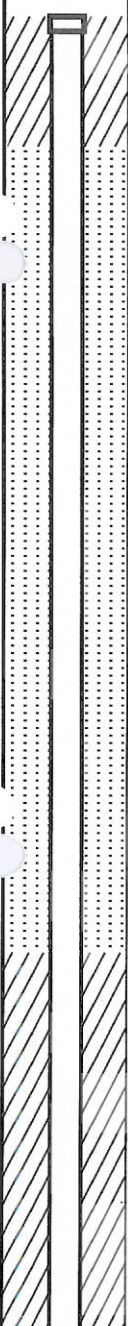
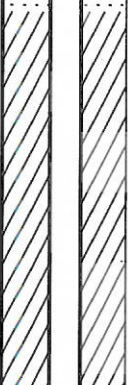
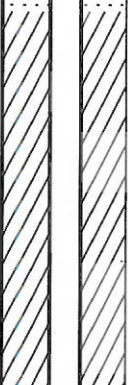
LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	■ Disturbed Sample ■ Undisturbed Sample ✱ Headspace Analysis ⬇ Down Borehole Analysis ⬆ Groundwater Table ⬆ Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery URS App'd: Date: 20/09/2002 Drawn : SS Ref: Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB027S1		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
DESCRIPTION							COMMENTS			
	DSB027 2.0m	*182	0.0	Concrete. MADE GROUND	Moderate solvent odour and sheen	0.0				
			0.5	Loose gravel of ash, clinker and brick. MADE GROUND		0.5				
			1.0			1.0				
			1.5	Soft, grey-brown sandy SILT with frequent rounded, coarse gravel	Wet. Strong solvent odour	1.5				
			2.0	Loose COBBLES and rounded fine-med GRAVEL with med. sand		2.0				
			2.5	Soft, grey, very sandy SILT with frequent coarse gravel and cobbles.		2.5				
3.0	Grades to brown colour from 3.0m	Wet. Strong solvent odour.	3.0							
3.5			3.5							
4.0			4.0							
DSB027 4.0m	*216	4.5	With flat, angular sandstone from 4.5-4.6m	Wet. Mod-strong solvent odour	4.5					
		4.8	Very silty sand from 4.8m		4.8					
		5.0	Becoming dense from 5.5m		5.0					

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	[] Disturbed Sample ■ Undisturbed Sample ✱ Headspace Analysis ⬇ Down Borehole Analysis ≡ Groundwater Table ≡ Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
		URS	App'd: _____ Date: 18/09/2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB027S1		PAGE 2 of 2		
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive		
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm		
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm		
							CHECKED BY :		SCREEN SLOT SIZE: 1mm		
 	DSB027 5.8m		*35.2		5.5				COMMENTS	Wet	
	DSB027 6.8m		*3300		6.0						
			*3552		6.5		End of Borehole				
			*3667		7.0						
					7.5						
					8.0						
					8.5						
					9.0						
					9.5						
					10.0						

LOCATION / NOTES: NVO = No visual or olfactory evidence		LEGEND  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table		BOREHOLE LOG Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery			
							
				App'd:	Date: 18/09/2002		
				Drawn : SS	Ref:		
				Scale: As scale	Job No: 39991-022		
				Drg. Size: A4	BOREHOLE LOG		

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB027S2		PAGE 1 of 2				
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive				
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm				
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm				
							CHECKED BY :		SCREEN SLOT SIZE: 1mm				
							DESCRIPTION	COMMENTS					
	DSB027 2.0m		*182		0.0	Concrete. MADE GROUND	Moderate solvent odour and sheen	0.0					
					0.5	Loose gravel of ash, clinker and brick. MADE GROUND		0.5					
					1.0		Wet. Strong solvent odour	1.0					
					1.5	Soft, grey-brown sandy SILT with frequent rounded, coarse gravel		1.5					
					2.0	Loose COBBLES and rounded fine-med GRAVEL with med. sand		2.0					
	DSB027 4.0m		*216		2.5	Soft, grey, very sandy SILT with frequent coarse gravel and cobbles.	Wet. Strong solvent odour.	2.5					
					3.0	Grades to brown colour from 3.0m		3.0					
					3.5			3.5					
										4.0		Wet. Mod-strong solvent odour	4.0
										4.5	With flat, angular sandstone from 4.5-4.6m		4.5
5.0	Very silty sand from 4.8m Becoming dense from 5.5m	5.0											

LOCATION / NOTES:

NVO = No visual or olfactory evidence

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

BOREHOLE LOG

Job Title: DiMe Investigation
Location: BP Llandarcy Refinery
Client: BP Oil Llandarcy Refinery

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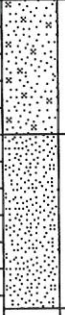
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Drawn : SS	Ref:
Scale: As scale	Job No: 39991-022
Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB027S2		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
DSB027 5.8m		☒	*35.2		5.5	End of Borehole	COMMENTS		Wet	5.5
			*3300		6.0				6.0	
			*3552		6.5				6.5	
DSB027 6.8m		☒	*3667		7.0				7.0	
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

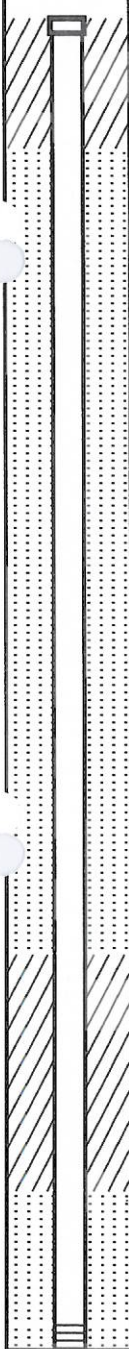
LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	☒ Disturbed Sample	Job Title: DiMe Investigation	
	■ Undisturbed Sample	Location: BP Llandarcy Refinery	
	✱ Headspace Analysis	Client: BP Oil Llandarcy Refinery	
	⬇ Down Borehole Analysis	App'd: _____ Date: 18/09/2002	
	⬇ Groundwater Table	Drawn : SS Ref: _____	
	⬇ Perched Water Table	Scale: As scale Job No: 39991-022	
		Drg. Size: A4 BOREHOLE LOG	

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB028S1		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
	DSB028 1.0m				0.0	Concrete. MADE GROUND		0.0		
					0.5	Loose, coarse GRAVEL and cobbles of brick fragments with ash. MADE GROUND	Very strong solvent and HC odour	0.5		
					1.0	Soft, grey-brown, very sandy SILT with occasional to frequent coarse, rounded gravel and small rounded cobbles.	Very strong HC and solvent odour	1.0		
					1.5	Brown from 1.5m	Wet from 1.5m.	1.5		
					2.0	Interbedded layers of silty SAND with GRAVEL from 2.5m	Damp. Slight-moderate HC and solvent odour	2.0		
					2.5			2.5		
3.0	Loose, brown, medium silty SAND with gravel	Slight HC and solvent odour.	3.0							
3.5			3.5							
4.0			4.0							
4.5	Silty SAND with abundant cobbles and gravels	Poor sample returns	4.5							
5.0			5.0							

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: 18/09/2002
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-022
		Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB028S1		PAGE 2 of 2	
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
	DSB028 5.2m				5.5				Strong solvent odour	5.5
	DSB028 6.15m				6.0		Loose, brown, very silty SAND with abundant coarse, rounded gravel			6.0
					6.5	End of Borehole				6.5
					7.0					7.0
					7.5					7.5
					8.0					8.0
					8.5					8.5
					9.0					9.0
					9.5					9.5
					10.0					10.0

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
			App'd: _____ Date: 18/09/2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB028S2		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
DESCRIPTION							COMMENTS			
	DSB028 1.0m		0.0	Concrete. MADE GROUND	Very strong solvent and HC odour	0.0				
			0.5	Loose, coarse GRAVEL and cobbles of brick fragments with ash. MADE GROUND		0.5				
			1.0	Soft, grey-brown, very sandy SILT with occasional to frequent coarse, rounded gravel and small rounded cobbles.	Very strong HC and solvent odour	1.0				
			1.5	Brown from 1.5m		1.5				
			2.0	Interbedded layers of silty SAND with GRAVEL from 2.5m		Damp. Slight-moderate HC and solvent odour	2.0			
2.5	2.5									
3.0	Loose, brown, medium silty SAND with gravel	Slight HC and solvent odour.	3.0							
3.5			3.5							
4.0			4.0							
4.5	Silty SAND with abundant cobbles and gravels	Poor sample returns	4.5							
5.0			5.0							

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	 Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: 18/09/2002
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-022
		Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB028S2		PAGE 2 of 2		
	NUMBER	TYPE					DRILLING DATES: 15/01/02		DRILLING METHODS : Hydraulic Percussive		
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm		
							LOGGED BY : PEW		SCREEN TYPE & DIAM: HDPE 50mm		
							CHECKED BY :		SCREEN SLOT SIZE: 1mm		
	DSB028 5.2m				5.5				COMMENTS Strong solvent odour	5.5	
	DSB028 6.15m				6.0		Loose, brown, very silty SAND with abundant coarse, rounded gravel				6.0
					6.5		End of Borehole				6.5
					7.0					7.0	
					7.5					7.5	
					8.0					8.0	
					8.5					8.5	
					9.0					9.0	
					9.5					9.5	
					10.0					10.0	

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery 	
		App'd:	Date: 18/09/2002
		Drawn : SS	Ref:
		Scale: As scale	Job No: 39991-022
		Drg. Size: A4	BOREHOLE LOG

BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: DSB029S1		PAGE 1 of 2	
	NUMBER	TYPE					DRILLING DATES: 24/01/02 - 25/01/02		DRILLING METHODS : Hydraulic Percussive	
							DRILLER : Geotechnical Engineering		BOREHOLE DIAMETER : 125mm	
							LOGGED BY : LT		SCREEN TYPE & DIAM: HDPE 50mm	
							CHECKED BY :		SCREEN SLOT SIZE: 1mm	
							DESCRIPTION	COMMENTS		
	DSB029 3.0m		*1397 *1301 *1620 *977		0.0	Tarmac (8cm), compact gravel (road chippings) and cobbles	Very strong HC odour. Sheen on arisings Very strong odour Wet Cased to 3.0m Dry/damp. Cased to 4.0m Moderate to strong odour	0.0		
					0.5	Concrete with wood		0.5		
					1.0	Soft, black, stained sandy SILT with cobbles		1.0		
					1.5	Soft, brown, slightly silty, fine SAND with frequent medium to coarse gravel and cobbles		1.5		
					2.0			2.0		
	DSB029 3.9m		*366		4.0	Firm, dark brown/grey, slightly sandy SILT with some sub-rounded and sub-angular medium-coarse gravel		4.0		
					4.5			4.5		
					5.0			5.0		

LOCATION / NOTES:	LEGEND	BOREHOLE LOG	
NVO = No visual or olfactory evidence	Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	Job Title: DiMe Investigation Location: BP Llandarcy Refinery Client: BP Oil Llandarcy Refinery	
			App'd: _____ Date: 18/09/2002 Drawn : SS Ref: _____ Scale: As scale Job No: 39991-022 Drg. Size: A4 BOREHOLE LOG