				U	TEST BORING LOG											
						_					BORING NO:	(GTB-1E			
PROJECT: KeySpan Hempstead MGP LOCATION												S of Receiving Reservoir				
CLIENT:							KeySpan				JOB NO.: 1117506					
BORING	CONTRA	CTOR	:				Fenley and Nicol			DRILLING METHOD: Auger/Split Spoo			poon			
GROUN	DWATER:	26'					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		28'			
DATE	TIME	LE	LEVEL TYPE			TYPE		Split Spoon			DATE STARTED:	0	2/11/08	3		
						DIA.		2"			DATE FINISHED:	0	2/11/08	3		
			V					140#			DRILLER:	(Charlie			
						FALL		30"			GEOLOGIST:		M Case	,		
						*	POCKET PE	NETROMET	ER REA	DING	REVIEWED BY:	K.	re			
	,		SAMP			,			DE	SCRIPTION						
DEPTH					ws	REC		CONSIST			MATERIAL			IARKS		
FEET	STRATA	NO.	TYPE	PE	₹ 6"	RQD%	COLOR	HARD	EU 1 E		ESCRIPTION	USCS	PID	Moist		
				10	7		Brown	Medium		ne to coarse ce of contam	e SAND, trace gravel. No	SP				
		1 SS	SS	6	5	16"		Dense	CVIGOTIC	c or contain	illiation.					
				0	3		Б ,									
			0 00	5	9		Brown / Red				e SAND, some subangular to parse, poorly sorted and well					
		2 SS	25	34	17"	rica	Dense			e fragments of concrete. No						
└				20	34				evidence of contamination.							
5				20	8			Medium								
		3	3 SS	9	7	9"	Brown	Dense	FILL: C	oncrete frag	ments medium to coarse					
				9	/		Brown		_		d. No evidence of					
				9	8				contam	ination.		▼		Moist		
		4	SS	SS		_	8.5"			Fine to	coarse SAN	D, trace subangular to	SP			
				3	3					nded, fine to	52					
		5 SS 6 SS	SS		9		5			Medium	Little bla	ack hydroca	rbon staining, no odors.			
				_	7	6"	Red/ Brown	Dense								
10			6	/												
				11	11		1									
			44 4		0											
		11	11	11												
				9	7				Fine to coarse SAND. No evidence of contamination.							
		7 SS			16"			contamination.								
				9	11											
15			Ę	5	7											
		8	SS	0	0 10	15"						♦				
				8 12							<u> </u>		Moist			
				9	8					Fine to coarse SAND, some fine to coarse, subangular to subround, poorly sorted gravel. No evidence of contamination.						
		9	SS	·		14"										
				10	7				Ovidorio	o or coman	matori.					
				10	12											
		10	SS	10	12	18"										
20				12	16											
				9	12									Dry		
		11	SS	_	12	19"								J., y		
				15	20											
				10	12									Moist		
——		12	SS	10		13"								WIOIST		
		-= '		10	12											
25				5	6											
25		13 5	3 SS			24"										
				7	8									Wet		
				6	11							1 1				
——		14	SS -			21"	\					*				
				9	8											
										End of	boring at 28' bgs.	Ì				
											•					
30																
Commer	nts:	Geote	echnica	l borin	g adja	cent to fo	rmer Receiv	ing Reservoir	area.		PROJECT NO.	11	17506	5		
											BORING NO.	1	STB-1B			

URS Corporation											TEST BORING LOG				
											BORING NO:	(STB-2B		
PROJEC	CT:				LOCATION:	N of Rec	eiving R	eservoir							
CLIENT:							KeySpan				JOB NO.:		17506		
	CONTRA	CTOR	:				Fenley a	and Nicol			DRILLING METHOD:	Auger/Split Spoon			
	DWATER:					-	CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		28'		
DATE	TIME	LEVEL TYPE			PE	TYPE		Split Spoon			DATE STARTED:		2/12/08		
						DIA.		2"			DATE FINISHED:		2/12/08	3	
					WT. FALL			140 # 30"			DRILLER:		Charlie M Case	.,	
							POCKET PI	ENETROMET	FR RFA	DING	GEOLOGIST: REVIEWED BY:		Conna	•	
			SAMP	LE			l			SCRIPTION					
DEPTH			<u> </u>		ws	REC		CONSIST	<u> </u>		MATERIAL		REMAR		
FEET	STRATA	NO.	TYPE	PE	₹ 6"	RQD%	COLOR	HARD		DI	ESCRIPTION	uscs		Moist	
				4	4		Dark Brown				, some organic material, trace	SC			
	1 SS			20"	Bank Brown	Loose	fine to r contam		rel. No evidence of						
				6	6				Contain	manom.					
				2	2		Red/ Brown				ND, some fine to medium	SP			
		2	SS			11"		Loose	gravel,	trace coarse	e gravei.				
			2	2 2											
5	3 S		1	1									Moist		
		3	SS	2		12"		Very Loose							
									F		D " I				
				3 4	4	4.011		1		Fine to coarse SAND, some fine to coarse gravel. No evidence of contamination.					
		4	SS	4	4	13"		Loose						Moist	
									Medium	to coarse S	SAND, trace fine sand, some		ł		
		5	SS	2	1	13"		Very Loose	fine to c	coarse grave	el. No evidence of	GP			
10		3	00	1	2	10		VCI y LOUSC	contam						
10				4	_		1		Fine to	coarse SAN	D, some fine to coarse gravel.	CD.		Maiat	
		6	SS	1	1	11"		Very Loose		lence of con		SP		Moist	
				1	2										
				1	2		1								
		7	SS			9"	↓	Very Loose							
				2	20		,								
15										Refu	isal at 14 ft bgs.				
20															
20															
						1									
<u> </u>															
25															
25															
						1									
						ļ									
00						[
30 Commor	ato:	Genta	chnica	l horin	n adia	ent to fo	rmer Receiv	ing Reservoir	area		PROJECT NO.	<u> </u>	17506		
Commer	пъ.	GOOR	Jannoa	. 20111	y auja	55111 tO 10	or ricociv	9 1 10001 1011	arou.		BORING NO.		TB-2B		
											20.11101101				
<u> </u>												-			

				U	TEST BORING LOG										
					BORING NO: GTB-3										
PROJEC	T:					KeySp	an Hempstea	ld MGP			LOCATION:	Area E near DGP-71			
CLIENT:							KeySpan				JOB NO.: 111750				
BORING	CONTRAC	CTOR	:				Fenley and Nicol				DRILLING METHOD:	Auger	/Split S	Spoon	
GROUN	UNDWATER:			26'			CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		28'		
DATE	TE TIME LEVEL							Split Spoon			DATE STARTED:	0	2/12/08	3	
						DIA.		2"			DATE FINISHED:		2/12/08		
						WT.		140 #			DRILLER:		Charlie		
						FALL	DOOKET DE	30" ENETROMET	ED DEA	DINO	GEOLOGIST: REVIEWED BY:		M Case Conna	•	
			SAMP	1.5			POCKETPE	NETROWET		SCRIPTION		IX.	Comina	.10	
DEPTH			SAIVIF		ows	REC		CONSIST			MATERIAL		REN	MARKS	
FEET	STRATA	NO.	TYPE		R 6"	RQD%	COLOR	HARD			ESCRIPTION	USCS		Moist	
				17	10		Black		FILL: Fi		e SAND, some fine to medium	SM			
 		1	SS	17	10	19"	Diack	Medium	gravel.	Some ash-li	ke material (ALM).	JIVI			
				12	14			Dense							
				11	5						some ALM. Moderate				
		2	SS	''	,	13"		Medium Dense	hydroca	arbon odor.					
		5	8			Dense									
				2	2		Green/				vith ALM, staining and odors.				
5	3	SS		<u> </u>	17"	GIOOII/	Loose	Some D	NALP glob	ules, moderate odor.					
				3	4		Grey								
				2	2							♦			
╟──╢		4	SS			16"		Medium Dense	Fine to	medium SA	ND, some fine to coarse	_	-		
				10 14		Red/ Brown	2000			strong hydrocarbon odor.	SP		Moist		
			14	10	14"										
		5 SS		1.1		16									
10	- 6 SS	14 16													
		6 14													
		SS	18 20	17"											
									Fine to coarse SAND and fine to coarse			Y			
		7 SS	99	9 9 15	15"			GRAVEL.			GP				
					11	15	4		Fine to coarse SAND, slight staining, moderate			SP		Moist	
									hydroca	hydrocarbon odor.					
15		8	SS	8	10	16"									
				10 11	11					Fine to coarse SAND, some fine to coarse grave staining and moderate hydrocarbon odors.				Moist	
									staining and moderate hydrocarbon odors.		ate flydrocarborr odors.				
		9	SS	9	10	14"									
				14											
		10		7					Modera	te odor, no	staining				
			SS	7	8	19"									
20			-		11	15									
		11		14	14		1				ND, trace medium to coarse				
			11	SS			16"			gravel,	no staining,	moderate odor.			
				16	22										
				8	15			*							
		12	SS	0.4		19"		Dense							
				24	28			Ì							
25				10	19										
	13 SS		13 SS 22 26	19"			No odors.					Wet			
				22		+			Madium	to coarse	SAND, some fine to coarse			******	
			NP			NR					e of contamination.	♦			
			רואו			רואו	♦	♦	-						
										End of	boring at 28' bgs.		1	}	
											gg				
30															
Commer	nts:	Geote	echnica	l borin	g in Ar	ea E nea	ar DGP-71.				PROJECT NO.	1	117506	5	
											BORING NO.		GTB-3		

				U	TEST BORING LOG										
					BORING NO:										
PROJEC	T:				LOCATION:	Area E near DGP-74									
CLIENT:							KeySpan				JOB NO.:	11175065			
	CONTRAC	CTOR	:					and Nicol			DRILLING METHOD:				
	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		28'		
DATE	TIME	LEVEL TYPE			PE	TYPE		Split Spoon			DATE STARTED:		2/13/08		
						DIA.		2"			DATE FINISHED:		2/13/08		
						WT.		140 #			DRILLER:		Charlie		
						FALL *	DUCKET DE	30" ENETROMET	ER REA	DING	GEOLOGIST: REVIEWED BY:		M Case Conna	,	
			SAMP	l F			TOOKETTE			SCRIPTION					
DEPTH			SAMPLE BLOWS			REC		CONSIST	1		MATERIAL		REN	IARKS	
FEET	STRATA	NO.	TYPE	PEF	R 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	_	Moist	
				7	6		Black				e SAND and GRAVEL, some	GP		Moist	
		1 SS	SS			15"	Black		ash-like	material (A	LM) and clinker. No odors	G.		Wiolot	
				5	17										
				22	11				Decrea	se in ALM c	ontent.				
		2	SS			5"									
				8	8										
5				2	2		Grey/				some staining, moderate	SM		Moist	
3		3	SS		4.0	8"			hydroca	arbon odor.					
				4	12		Green								
					7	12		Brown				ID, some fine to coarse gravel. hydrocarbon odor.	SP		
		4	SS	17	17	10"			Wiodera	ic to strong	Trydrocarbon odor.				
				- 17	- ' '				SVND	some fine to					
		5 SS		8	11	4"				te to strong					
10		3	55	15 18	18	7									
10				40	15										
		6 SS	12		0										
			25	28											
			7 SS	7 14 18 22		Red/ Brown			Fine to coarse SAND, some medium to coarse			1	Moist		
		7				8"				gravel, trace fine gravel. Moderate to strong hydrocarbon odor, some staining.		GP			
					22				liyuloca						
15				7	8				Trace c	obbles.					
10		8	SS	10	14	8"	Brown			Slight to moderate hydrocarbon odor, some		Мо	Maiat		
				10	14				Olive land a				Moist		
				8	12	13"			staining		nydrocarbon odor, some				
		9	SS	10	20										
				18	20								ļ		
		10	00	14	15					Moderate hydrocarbor	ID, some fine to coarse gravel. bon odor and staining.	SP			
20		10	10 55	SS	18	20	17				,				
20							D. 4/5		Fine to	coarse SAN	ID, some medium to coarse				
		11	SS	15	15	15"	Red/ Brown		gravel.	Some thin b	pands of fine to medium sand.			Dry	
			·		20	18				Modera	te hydrocar	bon odor, no staining.			
				12	14									Dry	
\vdash		12	SS			14"								<i>2</i> .y	
			18 27		27										
25					20										
<u> </u>		13	SS	24	28	18"								Wet	
				24	20					F.J.	f having at 201 has			wel	
										⊨na oi	f boring at 26' bgs.				
30															
Commer	nts:	Geote	chnica	boring	g in Ar	ea E nea	ar DGP-74.		•		PROJECT NO.	1	17506	5	
											BORING NO.		GTB-4		