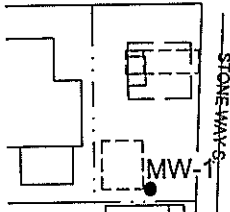
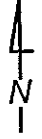


# APPENDIX C

## Boring Logs

WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-1

DATE: 10/10/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 42'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

CO./STATE: WA.

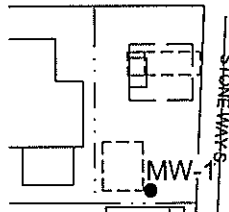
WELL SCREEN: 32-42' (0.020")

DRILLER: Cascade

SAND PACK: 30-42' (#10/20)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	DESCRIPTION/LOGGED BY: Shawn M.
Concrete							1				
Bentonite							2				
							3				
							4				
				Dp	9	0.0		5		SM	SILTY SAND: brown; 30% fines; 20% very fine to fine sand; medium sand; 5% gravel; medium dense; no TPH odor.
							6				
							7				
							8				
							9				
				Dp	70	0.0		10		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.
							11				
							12				
							13				
				Dp	60	0.0		15		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.
							16				
							17				
							18				
							19				
				Dp	32	0.0		20		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.
							21				
							22				

WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-1

DATE: 10/10/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 42'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

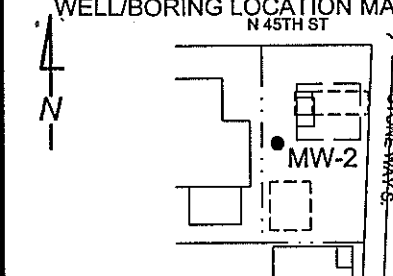
CO./STATE: WA.

WELL SCREEN: 32-42' (0.020")

DRILLER: Cascade

SAND PACK: 30-42' (#10/20)

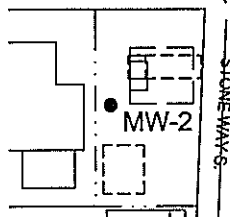
WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:				
												TIME:				
												DATE:				
												DESCRIPTION/LOGGED BY: Shawn M.				
			M	50	0.0		25				SP					
			M	32 50	0.0		30				SP					
			W	35 50	0.0		35				SP					
				15 30	0.0		40				SP					
							42									Bottom of boring @ 42'.

<b>WELL/BORING LOCATION MAP</b> N 45TH ST 	Delta Environmental Consultants, Inc.		WELL/BORING: MW-2
	DATE: 10/11/00	DRILLING METHOD: Hollow Stem Auger	
	PROJECT: M000-524	SAMPLING METHOD: DM Split Spoon	
	CLIENT: Chevron 209335	BORING DIAMETER: 8"	
	LOCATION: E. of 1225 N. 45th St.	BORING DEPTH: 43'	
	CITY: Wallingford	WELL CASING: 2" SCH 40 PVC	
	CO./STATE: WA.	WELL SCREEN: 32-42' (0.010")	
	DRILLER: Cascade	SAND PACK: 30-43' (#10/20)	

WELL/BORING COMPLETION	K1 FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:	TIME:	DATE:
------------------------	----------	------------	----------	--------------------	----------------------	---------------	--------------	--------------------------	---------	-------------	--------------	-------	-------

DESCRIPTION/LOGGED BY: Shawn M.													
Concrete							1						
Bentonite							2						
							3						
							4						
			Dp	8 16 16	0.0		5			SM	SILTY SAND: reddish brown; 25% fines; very fine to fine sand; 20% medium to coarse sand; 5% gravel; iron oxide staining; dense; no TPH odor.		
							6						
							7						
							8						
			Dp	21 34 34	0.0		10			SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; medium dense; no TPH odor.		
							11						
							12						
							13						
							14						
			Dp	24 47 31	0.0		15			SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; medium dense; no TPH odor.		
							16						
							17						
							18						
							19						
							20			SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; medium dense; no TPH odor.		
				27 50	0.0		21						
							22						

WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-2

DATE: 10/11/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 43'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

CO./STATE: WA.

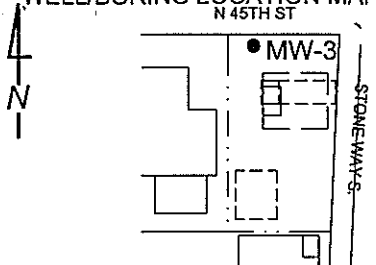
WELL SCREEN: 32-42' (0.010")

DRILLER: Cascade

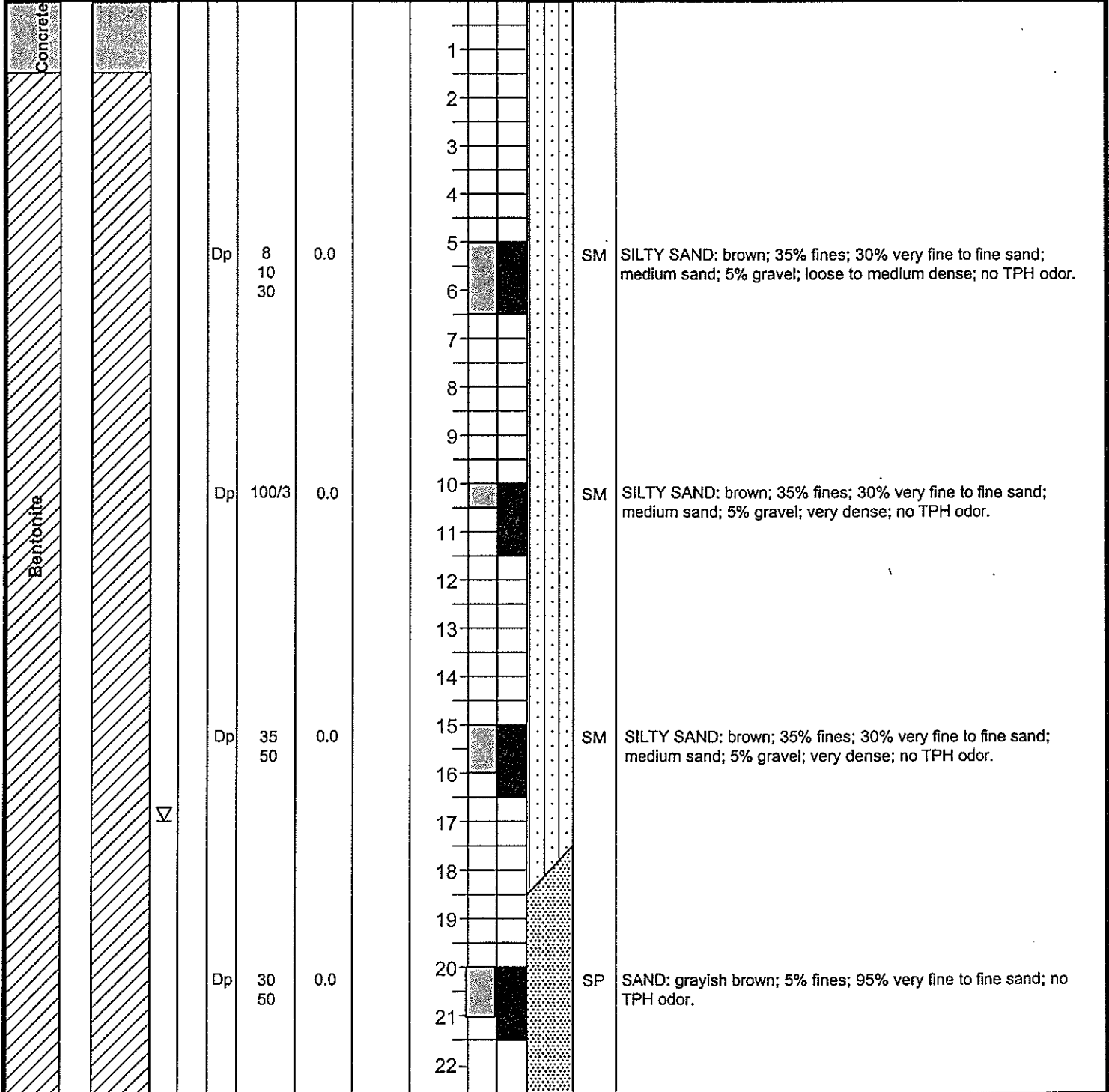
SAND PACK: 30-43' (#10/20)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:			
												TIME:			
DESCRIPTION/LOGGED BY: Shawn M.															
Bentonite	K	N	Dp	27	0.0		25	[Shaded]	[Black]	[Dotted]	SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; medium dense; no TPH odor.			
				60											
Sand	K	N	Dp	91	6.0		30	[Shaded]	[Black]	[Dotted]	SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.			
				50											
Sand	K	N	Dp	21	8.0		35	[Shaded]	[Black]	[Dotted]	SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.			
				50											
Sand	K	N	W	26	67		40	[Shaded]	[Black]	[Dotted]	SP	SAND: gray; 5% fines; 95% very fine to fine sand; dense; strong TPH odor.			
				50											
Sand	K	N	W	24	64		42	[Shaded]	[Black]	[Dotted]	SP	SAND: gray; 5% fines; 95% very fine to fine sand; dense; strong TPH odor.			
				50											
							43								
							44								

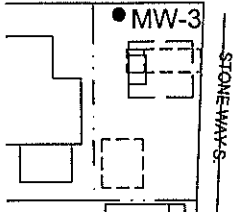
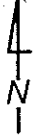
Bottom of boring @ 43'.

<b>WELL/BORING LOCATION MAP</b> N 45TH ST 	Delta Environmental Consultants, Inc.		WELL/BORING: MW-3
	DATE: 10/11/00	DRILLING METHOD: Hollow Stem Auger	
	PROJECT: M000-524	SAMPLING METHOD: DM Split Spoon	
	CLIENT: Chevron 209335	BORING DIAMETER: 8"	
	LOCATION: E. of 1225 N. 45th St.	BORING DEPTH: 45.5'	
	CITY: Wallingford	WELL CASING: 2" SCH 40 PVC	
	CO./STATE: WA.	WELL SCREEN: 35-45' (0.010")	
	DRILLER: Cascade	SAND PACK: 33-45.5' (#10/20)	

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:	TIME:	DATE:
	☑	☑											
DESCRIPTION/LOGGED BY: Shawn M.													



WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-3

DATE: 10/11/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 45.5'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

CO./STATE: WA.

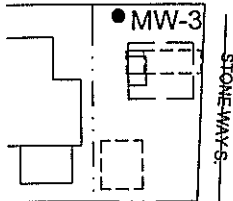
WELL SCREEN: 35-45' (0.010")

DRILLER: Cascade

SAND PACK: 33-45.5' (#10/20)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:							
												TIME:							
												DATE:							
												DESCRIPTION/LOGGED BY: Shawn M.							
							23												
							24												
			Dp	50	0.0		25	█			SP		SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor.						
							26	█											
							27												
							28												
							29												
			Dp	40 50	0.0		30	█			SP		SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor.						
							31	█											
							32												
							33												
							34												
			Dp	50	0.0		35	█			SP		SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor.						
							36	█											
							37												
							38												
							39												
			W	40 30 35	0.0		40	█			SP		SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor.						
							41	█											
							42												
							43												
							44												

WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-3

DATE: 10/11/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 45.5'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

CO./STATE: WA.

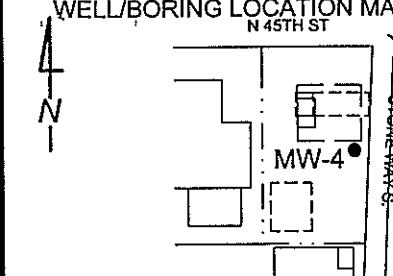
WELL SCREEN: 35-45' (0.010")

DRILLER: Cascade

SAND PACK: 33-45.5' (#10/20)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:		
												TIME:		
												DATE:		
												DESCRIPTION/LOGGED BY: Shawn M.		
			W	60	45		45				SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor. Bottom of boring @ 45.5'.		
							46							
							47							
							48							
							49							
							50							
							51							
							52							
							53							
							54							
							55							
							56							
							57							
							58							
							59							
							60							
							61							
							62							
							63							
							64							
							65							
							66							

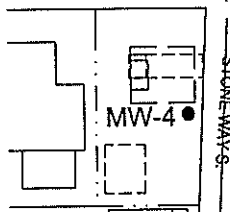
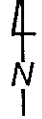


<b>WELL/BORING LOCATION MAP</b> N 45TH ST 	Delta Environmental Consultants, Inc.		WELL/BORING: MW-4
	DATE: 10/10/00	DRILLING METHOD: Hollow Stem Auger	
	PROJECT: M000-524	SAMPLING METHOD: DM Split Spoon	
	CLIENT: Chevron 209335	BORING DIAMETER: 8"	
	LOCATION: E. of 1225 N. 45th St.	BORING DEPTH: 43'	
	CITY: Wallingford	WELL CASING: 2" SCH 40 PVC	
	CO./STATE: WA.	WELL SCREEN: 32-42' (0.020")	
	DRILLER: Cascade	SAND PACK: 30-43' (#10/20)	

WELL/BORING COMPLETION	K1 FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:	TIME:	DATE:
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DESCRIPTION/LOGGED BY: Shawn M.													
Concrete							1						
							2						
							3						
							4						
			Dp	55	0.0		5			SM	SILTY SAND: brown; 30% fines; very fine to fine sand; 20% medium to coarse sand; 5% gravel; dense; no TPH odor.		
							6						
							7						
							8						
							9						
			Dp	60	0.0		10			SM	SILTY SAND: brownish gray; 15% fines; 85% very fine to fine sand; dense; no TPH odor.		
							11						
							12						
							13						
			Dp	32 50	2.0		15			SP	SAND: brownish gray; 5% fines; 95% very fine to fine sand; medium dense; no TPH odor.		
							16						
							17						
							18						
							19						
							20			SP	SAND: brownish gray; 5% fines; 95% very fine to fine sand; medium dense; no TPH odor.		
							21						
							22						

WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-4

DATE: 10/10/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 43'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

CO./STATE: WA.

WELL SCREEN: 32-42' (0.020")

DRILLER: Cascade

SAND PACK: 30-43' (#10/20)

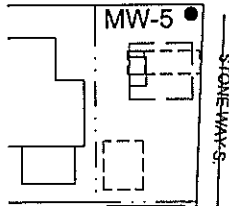
WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:		
												TIME:		
												DATE:		
												DESCRIPTION/LOGGED BY: Shawn M.		
Bentonite	K			Dp	50	0.0	23					SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.	
							24							
Sand	K			Dp	50	0.0	25					SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.	
							26							
Sand	K			Dp	30 50	5.0	27					SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.	
							28							
Sand	K			W	30 50	0.0	29					SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.	
							30							
Sand	K			W	40 50	0.0	31					SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; dense; no TPH odor.	
							32							
Sand	K						33							
							34							
Sand	K						35							
							36							
Sand	K						37							
							38							
Sand	K						39							
							40							
Sand	K						41							
							42							
Sand	K						43							
							44							
												Bottom of boring @ 43'.		

	Delta Environmental Consultants, Inc.		WELL/BORING: MW-5
	DATE: 10/11/00	DRILLING METHOD: Hollow Stem Auger	
	PROJECT: M000-524	SAMPLING METHOD: DM Split Spoon	
	CLIENT: Chevron 209335	BORING DIAMETER: 8"	
	LOCATION: E. of 1225 N. 45th St.	BORING DEPTH: 43'	
	CITY: Wallingford	WELL CASING: 2" SCH 40 PVC	
	CO./STATE: WA.	WELL SCREEN: 32-42' (0.010")	
	DRILLER: Cascade	SAND PACK: 30-43' (#10/20)	

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	WATER LEVEL:	TIME:	DATE:	DESCRIPTION/LOGGED BY: Shawn M.
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Concrete							1										
Bentonite							2										
							3										
							4										
				D	16	24		5	█			SM				SILTY SAND: brown; 20% fines; very fine to fine sand; 15% medium to coarse sand; 5% cobble; medium dense; no TPH odor; trace iron oxide staining.	
					21			6	█								
					21			7									
								8									
								9									
				Dp	16	67		10	█			SP				SAND: grayish brown; 5% fines; 95% very fine to fine sand; slight TPH odor.	
					19			11	█								
					20			12									
								13									
								14									
					50	83		15	█			SP				SAND: grayish brown; 5% fines; 95% very fine to fine sand; slight TPH odor.	
								16	█								
								17									
								18									
								19									
					50	71		20	█			SP				SAND: grayish brown; 5% fines; 95% very fine to fine sand; slight TPH odor.	
								21	█								
								22									

WELL/BORING LOCATION MAP  
N 45TH ST



Delta Environmental Consultants, Inc.

WELL/BORING: MW-5

DATE: 10/11/00

DRILLING METHOD: Hollow Stem Auger

PROJECT: M000-524

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 209335

BORING DIAMETER: 8"

LOCATION: E. of 1225 N. 45th St.

BORING DEPTH: 43'

CITY: Wallingford

WELL CASING: 2" SCH 40 PVC

CO./STATE: WA.

WELL SCREEN: 32-42' (0.010")

DRILLER: Cascade

SAND PACK: 30-43' (#10/20)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	DENSITY BLOWS / 6"	FIELD TEST PID (ppm)	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	USCS SYMBOL	DESCRIPTION/LOGGED BY: Shawn M.
	☒										
							23				
							24				
			Dp	30	73		25	25-26		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; slight TPH odor.
				50			26				
							27				
							28				
							29				
			Dp	50	64		30	30-31		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; slight TPH odor.
							31				
							32				
							33				
							34				
			Dp	50	59		35	35-36		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; slight TPH odor.
							36				
							37				
							38				
							39				
							40	40-41		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor.
				40	7		41				
				65			42	42-43		SP	SAND: grayish brown; 5% fines; 95% very fine to fine sand; no TPH odor.
				40	3		43				
				70			44				
											Bottom of boring @ 43'.

# BORING B-1

Depth/ Sample	Well Design	Moisture Content (%) Water Table	Blows/ Foot	USCS	DESCRIPTION
0					Surface: 2" asphalt over reddish brown gravelly sand (FILL), medium grained, gravel to 1.5".
1	MONITORING WELL NOT INSTALLED	GROUNDWATER NOT ENCOUNTERED	32	F (SW)	1- As above at first attempt, very little recovery due to clast in sampler (9:35 - 8/24). Sample B-1-1A: As above at second attempt, dense, damp. (8:50 - 8/29) @ 3.5' on first attempt, <u>very</u> large concrete clast encountered.
2			>50		2- As above at first attempt, moderate odor of hydrocarbons, (10:15 - 8/24). Second attempt: Upper half: As above. Lower half: SAND, brownish gray, medium grained, minor silt, damp, very dense, no odors. (9:02 - 8/29)
3			>50		3- As lower part of sample 2 above during second attempt at drilling, minor gravel to 3/4", damp, very dense, faint odor of hydrocarbons. (9:15 - 8/29)
4			>50		4- As sample 3 above, medium-fine grained, damp, very dense, no discernible odors. (9:30 - 8/29)
5			>50		5- As sample 4 above, extremely faint odor of hydrocarbons, damp, very dense. (9:40 - 8/29)

- \* Boring initially located at magnetometer survey coordinates 35 east, 58 north on August 24, 1999. Boring located south of the former gasoline stations in an area exhibiting a magnetic anomaly (see Appendix A). Encountered a very large gravel clast at 3.5 feet which pushed auger to the site. Continued drilling and obtained the sample 7.5 feet. At 10 feet, a very large gravel clast or concrete rubble was encountered which broke the universal joint connecting the drive mechanism to the auger string. We returned to the site on August 29, 1999 to complete the drilling of B-1 at magnetometer coordinates 36 east, 51 north. First two samples (2.5 and 7.5 feet in depth) on this date were labeled B-1-1A and B-1-2A. Later samples designated B-1-3, B-1-4, and B-1-5.
- \* Boring terminated at 24.0 feet on August 29, 1999.
- \* Monitoring well not installed, groundwater not encountered
- \* No visual indications of contamination. Olfactory indications of contamination noted in samples B-1-2, B-1-3, and B-1-5.
- \* Numbers in parentheses indicate the time the sample was obtained.



## ENVIRONMENTAL ASSOCIATES, INC.

2122 - 112th Avenue N.E., Ste. B-100  
Bellevue, Washington 98004

## TEST BORING LOG: B-1

Former Gasoline Station  
Vacant Lot East of 1225 North 45th Street  
Seattle (Wallingford), Washington

Job Number:	Date:	Logged by:	Plate:
JN 9301-2	September 1999	D. Holmes	3

# BORING B-2

Depth/ Sample	Well Design	Moisture Content (%) Water Table	Blows/ Foot	USCS	DESCRIPTION
0					Surface: 2" asphalt over reddish brown gravelly sand (FILL), medium grained, gravel to 1.5".
1	MONITORING WELL NOT INSTALLED	GROUNDWATER NOT ENCOUNTERED	34	F (SW)	1- As above, with burnt wood fragments noted, damp, dense, no odors noted. (10:15)
5					2- As above, no wood fragments noted, damp, very dense, odor of hydrocarbons noted. (10:20)
2			>50		2- As above, no wood fragments noted, damp, very dense, odor of hydrocarbons noted. (10:20)
10					@ 11' - gray medium fine sand encountered in cuttings.
3			>50	SP	3- SAND, gray, medium-fine grained, damp, very dense, noticeable odor of hydrocarbons. (10:30)
15		4- As sample 3 above, damp, very dense, odor of hydrocarbons noted. (10:45)			
4	>50	5- As samples 3 and 4 above, damp, very dense, odor of hydrocarbons noted. (10:50)			
20					
5			>50		

- \* Boring located at magnetometer survey coordinates 32 east, 73 north on August 29, 1999. Boring located north of the former gasoline stations in an area exhibiting a magnetic anomaly.
- \* Boring terminated at 24.0 feet on August 29, 1999.
- \* Monitoring well not installed, groundwater not encountered
- \* No visual indications of contamination. Olfactory indications of contamination noted in all samples obtained.



## ENVIRONMENTAL ASSOCIATES, INC.

2122 - 112th Avenue N.E., Ste. B-100  
Bellevue, Washington 98004

## TEST BORING LOG: B-2

Former Gasoline Station  
Vacant Lot East of 1225 North 45th Street  
Seattle (Wallingford), Washington

Job Number:	Date:	Logged by:	Plate:
JN 9301-2	September 1999	D. Holmes	4

# BORING B-3

Depth/ Sample	Well Design	Moisture Content (%) Water Table	Blows/ Foot	USCS	DESCRIPTION
0					Surface: 2" asphalt over reddish brown gravelly sand (FILL), medium grained, gravel to 1.5".
1	MONITORING WELL NOT INSTALLED	GROUNDWATER NOT ENCOUNTERED	24	F (SW)	1- As above, faint odor of hydrocarbons, damp, medium dense. (11:15)
2			50		2- Upper 9": As above, no wood fragments noted, damp, very dense, faint odor of hydrocarbons. Lower 9": SAND, brownish gray, medium-fine grained, damp, very dense, no odors noted. (11:25)
3			>50	SP	3- As above, faint bedding visible, damp, very dense, no odors noted. (11:30)

- \* Boring located at magnetometer survey coordinates 51 east, 66 north on August 29, 1999. Boring located in an area near a possible former pump island.
- \* Boring terminated at 14.0 feet on August 29, 1999.
- \* Monitoring well not installed, groundwater not encountered
- \* No visual indications of contamination. Olfactory indications of contamination noted only in sample B-3-1 and upper portion of B-3-2.
- \* Numbers in parentheses indicate the time the sample was obtained.



**ENVIRONMENTAL  
ASSOCIATES, INC.**

2122 - 112th Avenue N.E., Ste. B-100  
Bellevue, Washington 98004

## TEST BORING LOG: B-3

Former Gasoline Station  
Vacant Lot East of 1225 North 45th Street  
Seattle (Wallingford), Washington

Job Number:	Date:	Logged by:	Plate:
JN 9301-2	September 1999	D. Holmes	5

# BORING B-4

Depth/ Sample	Well Design	Moisture Content (%) Water Table	Blows/ Foot	USCS	DESCRIPTION
0					Surface: 2" asphalt over reddish brown gravelly sand (FILL), medium grained, gravel to 1.5".
1	MONITORING WELL NOT INSTALLED	GROUNDWATER NOT ENCOUNTERED	41	F (SW)	1- As above, damp, dense, no odors noted. (12:45) @ 5' - very gravelly interval with metal fragments in cuttings, "easy" drilling once through this thin interval.
2				SP	2- SAND, grayish brown, medium-fine grained, very minor pea-sized gravel, minor horizontal oxidized layers (weathered till?), damp, very dense, no odors noted. (12:55)

- \* Boring located at magnetometer survey coordinates 14 east, 19 north. Boring located beneath the former service garage.
- \* Boring terminated at 9.0 feet on August 29, 1999.
- \* Monitoring well not installed, groundwater not encountered
- \* No visual or olfactory indications of contamination.
- \* Numbers in parentheses indicate the time the sample was obtained.



## ENVIRONMENTAL ASSOCIATES, INC.

2122 - 112th Avenue N.E., Ste. B-100  
Bellevue, Washington 98004

## TEST BORING LOG: B-4

Former Gasoline Station  
Vacant Lot East of 1225 North 45th Street  
Seattle (Wallingford), Washington

Job Number:	Date:	Logged by:	Plate:
JN 9301-2	September 1999	D. Holmes	6



# Boring B-5

Depth/ Sample	Well Design	Moisture Content (%)/ Water Table	Blows/ Foot	USCS	DESCRIPTION
0					Surface: 2" asphalt over reddish brown gravelly sand (FILL) to 8" at 1st attempt & 3' at 2nd attempt, where concrete slabs were encountered. Fill to 5' at 3rd attempt
1			15	F	1- FILL, as above with asphalt clasts, medium grained, gravel to 5/8", damp, medium dense. (11:35).
5					
2			>50		2- SAND, grayish brown, medium fine grained, sparse pea gravel, no odors, damp, very dense. (11:45)
10				SP	
3			49		3- SAND, as above, slightly grayer, no gravel, no odors noted, damp, dense to very dense. (11:50)
15					
4			>50		4- SAND, as above, no gravel, no odors, damp, very dense. (11:55)
20					
5			>50		5- SAND, as above, gray-brown, damp, very dense. (12:20)
25				SP	
6			>50		6- SAND, as above, extremely faint ("sweet") odor dissimilar to hydrocarbons noted, damp, very dense. (12:25)
30					
7			>50		7- SAND, as above, extremely faint ("sweet") odor dissimilar to hydrocarbons noted, damp, very dense. (12:30)
35					
8			38		8- SAND, as above, dark gray stained upper 2" of sample less stained, extremely strong odor of hydrocarbons, wet, dense. (12:40)
40				SP	
9			>50		9- SAND, similar to sample 8, gray at top, brown at base, slightly siltier at base, strong of odor of hydrocarbons in the upper few inches, lower part very faint odor of hydrocarbons, wet, very dense. (12:50)

MONITORING WELL NOT INSTALLED

- \* Boring attempted at magnetometer coordinates 22 east, 55 north (refusal on concrete slab at 10"), and at 15 east, 55 north (concrete slab at three feet). Completed at coordinates 15 east, 45 north.
- \* Boring terminated at 44 feet on September 21, 1999.
- \* Groundwater encountered at a depth of approximately 37.5 feet. Monitoring well not installed. Groundwater sample B-5-W obtained at 13:10.
- \* Indications of hydrocarbon contamination (very strong odor and pronounced staining) noted in samples 8 and 9 at depths between 37.5 feet and 44 feet.
- \* Numbers in parentheses represent the time sample was obtained.

## ENVIRONMENTAL ASSOCIATES, INC.

2122 - 112th Avenue N.E., Ste. B-100  
Bellevue, Washington 98004



## TEST BORING LOG: B-5

Former Gasoline Station  
Vacant Lot East of 1225 North 45th Street  
Seattle (Wallingford), Washington

Job Number:	Date:	Logged by:	Plate:
JN 9301-2	September 1999	D. Holmes	3

# BORING B-6

Depth/ Sample	Well Design	Moisture Content (%) Water Table	Blows/ Foot	USCS	DESCRIPTION
0					Surface: 2" asphalt over reddish brown gravelly sand (FILL), medium grained, gravel to 1.5", damp, fill to approximately 11'.
1	MONITORING WELL NOT INSTALLED	GROUNDWATER NOT ENCOUNTERED	>50	F (SW)	1- As above, with wood (cedar) in sample tip, very little recovery, no sample obtained, 3 inches penetration, dense.
2			>50		2- As sample 1 above, gravel to 2", damp, very dense, odor of cedar, 12" penetration. (14:35)
3			48	SP	@ 11' - brown medium fine sand encountered in cuttings. 3- SAND, brown, medium-fine grained, damp, dense, "sweet" odor not similar to hydrocarbons noted. (14:45)
4			>50		@ 15' - rig bounce, gravel in cuttings (gravelly sand)
5			>50	SP	4- SAND, with pea gravel, brown, medium fine grained, damp to slightly moist, very dense, odor similar to sample 3 above noted, 11" penetration. (14:55)
6			>50		5- SAND, grayish brown, medium fine grained, damp, very dense, no odors noted. (15:00) 6- As sample 5 above, extremely faint odor similar to samples 3 and 4 noted, damp, very dense, 9" penetration. (15:10)

- \* Boring located at magnetometer survey coordinates 26 east, 85 north.
- \* Boring terminated at 28.25 feet on September 21, 1999.
- \* Monitoring well not installed, groundwater not encountered
- \* No visual indications of contamination. Olfactory indications of contamination noted in samples 3 and 4 (12.5 feet and 17.5 feet). Odors not similar to hydrocarbons, but could possibly be very aged gasoline.
- \* Numbers in parentheses indicate the time the sample was obtained.



## ENVIRONMENTAL ASSOCIATES, INC.

2122 - 112th Avenue N.E., Ste. B-100  
Bellevue, Washington 98004

## TEST BORING LOG: B-6

Former Gasoline Station  
Vacant Lot East of 1225 North 45th Street  
Seattle (Wallingford), Washington

Job Number:	Date:	Logged by:	Plate:
JN 9301-2	September 1999	D. Holmes	4



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
			0			<b>Ground Surface</b>		
			1			Silty, Gravelly Sand Asphalt top 4"		
			2			Airknife to 8'		
			3					
			4					
			5					
			6					
			7					
Moist	0	30 30 25	8			<b>SAND (SW)</b> Light brown, dense, well-graded, fine SAND with 10 percent gravel and cobbles; no odor; no sheen.	Backfilled with Bentonite -	
Moist	2.7	29 50	10			<b>SAND (SW)</b> Same as above; very dense with <5 percent silt; no odor; no sheen.		
Moist	0	39 50	13			<b>SAND (SW-SM)</b> Light brown, dense to very dense, well graded, fine SAND with 10 percent silt and <5 percent gravel; no odor; no sheen.		
Moist	0	37 50	15			<b>SAND (SW-SM)</b> Same as above; no odor; no sheen.		
Moist	0	31 50	18			<b>SAND (SP)</b> Light brown, dense to very dense, poorly graded, fine SAND; no odor; no sheen.		
			19					
			20					



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	0	50	20			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			21					
			22					
Moist	0	50	23				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			24					
			25					
Moist	0	30 50	26				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			27					
			28					
Moist	0	26 50	28				<b>SAND (SP)</b> Same as above; light brown, very dense, poorly graded, clean, fine SAND; no silt; no gravel; no odor; no sheen.	
			29					
			30					
Moist	0	27 50	31				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			32					
			33					
Moist	0	36 50	33				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			34					
			35					
Moist	0	50	35				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			36					
			37					
			38					
Wet to Sat.	0	32 50	38			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			39					

5/27/04



Project: 20-9335 Seattle, WA

Drill Date: 5/27/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 43'

Logged By: G. Cisneros and M. King

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Sat.	0	50	40			SAND (SP) Same as above; no odor; no sheen.	
			41				
			42			SAND (SP) Same as above; no odor; no sheen.	
Sat.	0	50	43				
			44				
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Silty, Gravelly Sand Asphalt top 4"	
			2			Airknife to 8'	
			3			Silty SAND with large cobbles and gravel.	
			4				
			5				
			6				
			7				
			8				
			9				
Moist	0	50	10			<b>SAND (SW-SM)</b> Medium brown, very dense, well-graded, silty fine SAND with gravel and 10 percent silt; no odor; no sheen.	Backfilled with Bentonite -
			11				
Moist	0	50	12			<b>SAND (SW-SM)</b> Medium brown, very dense, well-graded, fine SAND with <15 percent silt and 10 percent gravel; no odor; no sheen.	
			13				
Moist	0	50	14			<b>SAND (SW-SM)</b> Light brown, very dense, well-graded, fine to medium SAND with 10 percent silt and 20 percent gravel; no odor; no sheen.	
			15				
			16				
Dry	0	50	17			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine SAND; with <10 percent gravel; no odor; no sheen.	
			18				
			19				
			20				



Project: 20-9335 Seattle, WA

Drill Date: 5/27/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 43'

Logged By: G. Cisneros and M. King

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	0	50	20			<b>SAND (SP)</b> Light brown, very dense, poorly graded, clean, fine SAND; no odor; no sheen.		
			21					
			22					
Moist	0	50	23				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			24					
			25					
Moist	0	33 50	26				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			27					
			28					
Moist	0	40 50	29				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			30					
			31					
			32					
Moist	0	50	33				<b>SAND (SP)</b> Light brown; very dense, poorly graded, fine SAND; no odor; no sheen.	
			34					
			35					
Moist	0	37 50	36				<b>SAND (SP)</b> Light brown, very dense, fine to medium SAND; no odor; no sheen.	
			37					
			38					
Wet	0	33 50	39			<b>SAND (SP)</b> Brown, very dense, poorly graded, fine to medium SAND with iron oxidation staining; no odor; no sheen.		
						<b>SAND (SP)</b> Same as above; no odor; no sheen		

5/27/04



Project: 20-9335 Seattle, WA

Drill Date: 5/27/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 43'

Logged By: G. Cisneros and M. King

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Wet	0	50	40			<p><b>Silty SAND (SM)</b> Medium brown, very dense, silty fine SAND.</p> <p><b>SILT (ML)</b> Brown, very dense, SILT; no odor; no sheen.</p> <p><b>SAND (SP)</b> Light brown; very dense, poorly graded, fine SAND; no odor; no sheen.</p>	
			41				
			42				
Wet	0	50	43				
			44				
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				





Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 46'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Silty, Gravelly Sand Asphalt top 4"	
			2			Airknife to 8'	
			3			Silty SAND with large cobbles and gravel.	
			4				
			5				
			6				
			7				
			8			<b>Silty SAND (SW-SM)</b> Brown, medium dense, well-graded, silty, gravelly, fine SAND with <15 percent silt and 15 percent gravel; no odor; no sheen.	
Moist	0	18 15 23	9			<b>SAND (SP)</b> Brown, medium dense, poorly graded, fine to medium SAND; no odor; no sheen.	Backfilled with Bentonite -
Moist	340	22 23 30	10			<b>SAND (SP)</b> Medium brown, dense, poorly graded, fine to medium SAND; strong hydrocarbon (HC) odor; slight sheen.	
Moist	400	29 50	11			<b>SAND (SP)</b> Same as above; strong odor; slight sheen.	
			12				
Moist	131.3	50	13			<b>SAND (SP)</b> Same as above; strong odor; slight sheen.	
			14				
			15				
Dry	235	50	16			<b>SAND (SP)</b> Same as above; however, a 2-inch gray clay layer exists at 18'; slight odor; moderate sheen.	
			17				
			18				
			19				
			20				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 46'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist to Dry	7.3	50	20			<b>SAND (SP)</b> Light brown, very dense, poorly graded, clean, fine to medium SAND; slight odor; slight sheen.		
			21					
Moist to Dry	6.8	50	22				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			23					
			24					
Moist to Dry	0	50	25				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			26					
			27					
Moist	0	50	28				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			29					
Moist to Dry	0	50	30				<b>SAND (SP)</b> Same as above; fine to medium SAND; no odor; no sheen.	
			31					
			32					
Moist	4.7	50 50	33				<b>SAND (SP)</b> Same as above for top 6-inches; no odor; no sheen. Bottom 6-inches: Gray, very dense SAND; slight HC odor; no sheen.	
			34					
Moist	6.8	50	35				<b>SAND (SP)</b> Gray, very dense, poorly sorted, fine to medium SAND; HC odor; no sheen.	
			36					
			37					
Wet	3111	40 50	38				<b>SAND (SP)</b> Gray, very dense, poorly graded, fine to medium SAND; HC odor; medium sheen.	
			39					

5/27/04



Project: 20-9335 Seattle, WA

Drill Date: 5/27/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 46'

Logged By: G. Cisneros and M. King

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Sat.	73 4.1	50 50	40			<b>SAND (SP)</b> Same as above; Top 6-inches: Gray SAND; slight odor; no sheen. Bottom 6-inches: Brown SAND; no odor; no sheen.	
			41				
Sat.	0	50 50	42			<b>SAND (SP)</b> Brown; very dense, poorly graded, fine SAND; no odor; no sheen.	
			43				
Sat.	0 0	50 50	44			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27-28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Silty, Gravelly Sand Asphalt top 4"	
			2			Airknife to 8'	
			3			Silty SAND with large cobbles, gravel, and concrete.	
			4				
			5				
			6				
			7				
Moist to Dry	0	50	8			<b>Silty SAND (SW)</b> Brown, very dense, well-graded, gravelly, fine to medium SAND with 15 percent rounded gravel; no odor; no sheen.	Backfilled with Bentonite -
			9				
Moist to Dry	0	50	10			<b>Silty, Gravelly SAND (SW-SM)</b> Medium brown, very dense, well-graded, fine SAND with <10 percent silt and 20 percent gravel; no odor; no sheen.	
			11			<b>Sandy SILT (ML)</b> Brownish gray, very hard silt with fine SAND; no odor; no sheen.	
Moist to Dry	0	27 50	13			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine SAND; no odor; no sheen.	
			14				
Moist to Dry	0	41 50	15			<b>SAND (SP)</b> Light brown, very dense, fine SAND; no odor; no sheen.	
			16				
Moist to Dry	0	36 50	18			<b>SAND (SP)</b> Light brown, very dense, fine SAND; no odor; no sheen.	
			19				
			20				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and M. King

Drill Date: 5/27-28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Moist to Dry	0	31	20			<b>SAND (SP)</b> Light brown, very dense, poorly graded, clean, fine SAND; no odor; no sheen.	
		50	21				
Moist	0	50	22			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			23				
Moist	0	50	24			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			25				
Moist	0	50	26			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			27				
Moist	0	50	28			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			29				
Moist	0	50	30			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			31				
Moist	0	50	32			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			33				
Moist to Wet	0	50	34			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			35				
Wet to Sat	0	39	36			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
		50	37				
Wet to Sat	0	39	38			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
		50	39				

5/28/04



Project: 20-9335 Seattle, WA

Drill Date: 5/27-28/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 43'

Logged By: G. Cisneros and M. King

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Sat.	0	50	40			SAND (SP) Same as above; no odor; no sheen.	
			41				
			42			SAND (SP) Same as above; no odor; no sheen.	
Sat.	0	50	43				
			44				
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			0			Gravelly Sand Asphalt top 4"	
			1			Airknife to 8'	
			2			Gravelly, silty SAND with large concrete blocks.	
			3				
			4				
			5				
			6				
			7				
Moist	0	22 50	8			<b>Gravelly SAND (SW)</b> Top 6": Reddish brown, medium dense Bottom 6": Brown, very dense, well-graded, gravelly, fine to coarse SAND with 15 percent rounded gravel and 5 percent silt; no odor; no sheen.	Backfilled with Bentonite -
Moist	0	31 50	9				
			10			<b>Gravelly SAND (SW)</b> Light brown, dense to very dense, well-graded, gravelly SAND; no odor; no sheen.	
			11				
Moist to Dry	0	27 50	12			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine SAND; no odor; no sheen.	
			13				
Moist to Dry	0	34 50	14			<b>SAND (SP)</b> Light brown, dense to very dense, poorly graded, fine to medium SAND; no odor; no sheen	
			15				
Moist to Dry	0	28 50	16			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			17				
			18				
			19				
			20				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist to Dry	0	50	20			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			21					
			22					
Moist	0	50	23				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			24					
			25					
Moist	0	50	25				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			26					
			27					
			28					
Moist	0	26 50	28				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			29					
			30					
Moist	0	50	30				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			31					
			32					
			33					
Moist	0	50	33				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			34					
			35					
Moist	0	50	35			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			36					
			37					
			38					
Wet to Sat	7653	37 50	38			<b>SAND (SP)</b> Gray to brown (brown at bottom ), dense to very dense, poorly graded, fine to medium fine SAND; strong HC odor; moderate sheen.		
			39					

5/28/04





Project: 20-9335 Seattle, WA

Drill Date: 5/28/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 45.5'

Logged By: G. Cisneros and A. Curry

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Sat.	0	50	40			<b>SAND (SP)</b> Medium brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
			41				
			42				
Sat.	0	50	43			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			44				
			45				
Sat.	0	50	45			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Gravelly Sand Asphalt top 4"	
			2			Airknife to 8'	
			3			Gravelly, silty SAND with large concrete blocks.	
			4				
			5				
			6				
			7				
Moist	0	50	8			<b>Gravelly SAND (SW)</b> Top 6": Reddish brown, medium dense. Bottom 6": Light brown, very dense, well-graded, silty, gravelly, fine to medium SAND with 10 percent rounded gravel and 5 percent silt; no odor; no sheen.	Backfilled with Bentonite -
Moist	0	26 50	9				
			10			<b>SAND (SP)</b> Light brown, very dense, poorly graded SAND; no gravel; no silt; no odor; no sheen.	
			11				
Moist	0	29 50	12			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
			13				
			14				
Moist	0	50-5"	15			<b>Gravelly SAND (SP)</b> Light brown, very dense, well-graded, fine to medium SAND with <5 percent silt and 10 percent gravel; no odor; no sheen	
			16				
			17			<b>Gravelly SAND (SP)</b> Same as above; no odor; no sheen.	
Moist	0	50	18			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
			19				
			20				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	0	50	20			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			21					
			22					
Moist	0	50	23				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			24					
			25					
Moist	0	50	25				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			26					
			27					
Moist	0	50	28				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			29					
			30					
Moist	0	50	30				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			31					
			32					
Moist	0	50	33				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			34					
			35					
Moist	0	36 50	35				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			36					
			37					
Moist to Wet	0	33 50	38			<b>SAND (SP)</b> Light to medium brown, very dense, poorly graded, fine SAND; no odor; no sheen.		
			39					

5/28/04



Project: 20-9335 Seattle, WA

Drill Date: 5/28/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 45.5'

Logged By: G. Cisneros and A. Curry

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Wet to Sat	34.3	28	40			<b>SAND (SP)</b> Gray, very dense, poorly graded, fine to medium SAND; HC odor; no sheen.	
		50	41				
Sat.	15	20	42			<b>SAND (SP)</b> Brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
		27	43				
Sat.	0	31	44			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
		50	45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Gravelly Sand Asphalt top 4"	
			2			Airknife to 8'	
			3			Gravelly, silty SAND with large concrete blocks.	
			4				
			5				
			6				
			7				
			8				
			9				
Moist	0	50	10			<b>Silty, Gravelly SAND (SM)</b> Light brown, very dense, well graded, silty, gravelly SAND with 10 percent gravel and 15 percent silt; no odor; no sheen.	Backfilled with Bentonite -
			11				
Moist	2.3	50	12			<b>Gravelly SAND (SW)</b> Reddish brown to brown, very dense, well graded, SAND with 10 percent gravel and 5 percent silt; no odor; no sheen.	
			13				
Moist	4.7	50	15			<b>Gravelly SAND (SW)</b> Brown, very dense, well-graded, fine to medium SAND with 5 percent silt and 5 percent gravel; no odor; no sheen.	
			16				
Moist	0.7	29 50	18			<b>SAND (SP)</b> Brown, dense to very dense, fine-grained SAND; no gravel; no silt; no odor; no sheen.	
			19				
			20				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	0	50	20			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			21					
			22					
Moist	0	50	23				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			24					
			25					
Moist	0	50	25				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			26					
			27					
Moist	1.5	50	28				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			29					
			30					
Moist	0	50	30				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			31					
			32					
Moist	0	37 50	33				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			34					
Moist	0	50	35				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			36					
			37					
Wet	11.9	50	38			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			39					

5/28/04



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 5/28/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Wet to Sat	0	50	40			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			41				
			42			<b>SAND (SP)</b> Brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
Sat.	0	50	43				
			44				
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 6/1/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Silty, Gravelly Sand Asphalt top 4"	
			2			Airknife to 8'	
			3			Gravelly, silty SAND with large concrete blocks.	
			4				
			5				
			6				
			7				
			8			<b>Silty, gravelly SAND (SM)</b> Brown, very dense, well graded, fine to medium silty SAND with 20 percent silt; no odor; no sheen.	Backfilled with Bentonite -
Moist	0	50	9			<b>SAND (SW-SM)</b> Brown, very dense, well graded, fine to medium silty SAND with 10 percent silt and 5 percent gravel; no odor; no sheen.	
			10			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine to medium SAND; no silt; no gravel; no odor; no sheen.	
Moist	5.8	36 50	11				
			12				
			13			<b>SAND (SP)</b> Same as above; HC odor; slight sheen.	
Moist	4.53	26 22 35	14				
			15			<b>SAND (SP)</b> Same as above; very subtle odor; no sheen.	
Moist	11.1	26 50	16				
			17				
			18			<b>Silty, gravelly SAND (SW)</b> Brown, dense to very dense, fine-grained SAND with 5 percent silt and 5 percent gravel; slight odor; no sheen.	
Moist	10	29 50	19				
			20				





Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 6/1/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	10	33 50	20			<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine to medium SAND; slight odor; no sheen.		
			21					
Moist	3.7	50	23			<b>SAND (SP)</b> Same as above; slight odor; no sheen.		
			24					
Moist	12.2	50	25			<b>SAND (SP)</b> Same as above; slight odor; no sheen.		
			26					
Moist	0.5	27 50	28			<b>SAND (SP)</b> Same as above; slight odor; no sheen.		
			29					
Moist	12.2	32 50	30			<b>SAND (SP)</b> Same as above; slight odor; no sheen.		
			31					
Moist	40	33 50	33		<b>SAND (SP)</b> Same as above; moderate HC odor; no sheen.			
			34					
Wet	853	50	35		<b>SAND (SP)</b> Light brown, very dense, poorly graded, fine to medium SAND; HC odor; slight sheen.			
			36					
Wet to Sat	2795	24 50	38		<b>SAND (SP)</b> Same as above except gray to brown color; strong HC odor; strong sheen.			
			39					

6/1/04



Project: 20-9335 Seattle, WA

Drill Date: 6/1/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 45.5'

Logged By: G. Cisneros and A. Curry

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Sat.	146	50	40			<b>SAND (SP)</b> Same as above; grayish brown color; HC odor; no sheen.	
			41				
Sat.	6.8	50	42			<b>SAND (SP)</b> Brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
			43				
Sat.	11.1	50	44			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 6/1/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			0			<b>Gravelly Sand</b> Asphalt top 4"	
			1			Airknife to 8'	
			2			Gravelly, silty SAND with large concrete blocks.	
			3				
			4				
			5				
			6				
			7				
Moist	0	50	8			<b>Gravelly SAND (SW)</b> Light to medium brown, very dense, well-graded, gravelly, silty, fine- to medium-grained SAND with 10 percent gravel and 5 percent silt; no odor; no sheen.	Backfilled with Bentonite -
Moist	0	50	10			<b>Silty, Gravelly SAND (SW)</b> Same as above; no odor; no sheen.	
Moist	0	50	13			<b>Silty, Gravelly SAND (SW)</b> Same as above; no odor; no sheen.	
Moist	0	50	15			<b>SAND (SP)</b> Light to medium brown, very dense, poorly graded, fine- to medium-grained SAND; no silt; no gravel; slight odor; no sheen.	
Moist	0	31 50	18			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			19				
			20				



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 6/1/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 45.5'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	0	50	20			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			21					
			22					
Moist	0	50	23				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			24					
			25					
Moist	0	50	25				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			26					
			27					
Moist	0	50	28				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			29					
			30					
Moist	0	50	30				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			31					
			32					
Moist	0	50	33				<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			34					
			35					
Moist	0	50	35			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			36					
			37					
Wet	2215	50	38			<b>SAND (SP)</b> Gray to light brown, very dense, poorly graded, fine- to medium-grained SAND; no gravel; no silt; strong HC odor; slight sheen.		
			39					

6/1/04



Project: 20-9335 Seattle, WA

Drill Date: 6/1/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 45.5'

Logged By: G. Cisneros and A. Curry

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Wet to Sat	30.2	50	40			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			41					
			42					
Sat.	21.8	50	43			<b>SAND (SP)</b> Light to medium brown, very dense, poorly graded, fine to medium SAND with 5 percent gravel and 5 percent silt; no odor; no sheen.		
			44					
Sat.	0	50	45			<b>SAND (SP)</b> Light to medium brown, very dense, poorly graded, fine to medium SAND; no silt; no gravel; no odor; no sheen.		
			46					
			47					
			48					
			49					
			50					
			51					
			52					
			53					
			54					
			55					
			56					
			57					
			58					
			59					



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 6/1/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
			0			<b>Ground Surface</b>	
			1			Silty, Gravelly Sand Asphalt top 4"	
			2			Airknife to 8' Gravelly, silty SAND.	
			3				
			4				
			5				
			6				
			7				
Moist	0	50	8			<b>Silty, Gravelly SAND (SW)</b> Reddish brown, very dense, well-graded, fine SAND with 10 percent gravel and 5 percent silt; no odor; no sheen.	Backfilled with Bentonite -
			9				
Moist	9.9	50	10			<b>Silty, Gravelly SAND (SW)</b> Same as above; no odor; no sheen.	
			11			<b>SAND (SP)</b> Light brown to medium brown, very dense, poorly graded, fine SAND; no odor; no sheen.	
			12				
Moist	30	50	13			<b>Silty, Gravelly SAND (SW-SM)</b> Light brown to medium brown, very dense, well-graded, gravelly, silty SAND with 10 percent gravel and 5-10 percent silt; no odor; no sheen.	
			14				
Moist	30	50	15			<b>Silty, Gravelly SAND (SW-SM)</b> Same as above; no odor; no sheen.	
			16				
Moist	33	50	18			<b>Silty, Gravelly SAND (SW-SM)</b> Same as above; no odor; no sheen.	
			19				
			20			<b>Silty, Gravelly SAND (SW-SM)</b> Same as above; no odor; no sheen.	



Project: 20-9335 Seattle, WA  
 Location: 1225 N 45th St  
 Client: Chevron  
 Logged By: G. Cisneros and A. Curry

Drill Date: 6/1/04  
 Drilled by: Cascade Drilling Inc.  
 Drill Method: Hollow-Stem Auger  
 Sample Method: Split-Spoon

Hammer Weight: 300 lbs  
 Borehole Diameter: 8"  
 Boring Depth: 43'

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL	
Moist	.9	50	20			<b>SAND (SP)</b> Light to medium brown, very dense, poorly graded, fine- to medium-grained SAND; no silt; no gravel; slight odor; no sheen.		
			21					
Moist	0	50	23			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			24					
Moist	0	50	25			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			26					
Moist	0	50	28			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			29					
Moist	0	50	30			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			31					
Moist	30	50	33			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			34					
Moist	0	50	35			<b>SAND (SP)</b> Same as above; no odor; no sheen.		
			36					
Wet	0	50	38		<b>SAND (SP)</b> Same as above; no odor; no sheen.			
			39					

6/1/04



Project: 20-9335 Seattle, WA

Drill Date: 6/1/04

Hammer Weight: 300 lbs

Location: 1225 N 45th St

Drilled by: Cascade Drilling Inc.

Borehole Diameter: 8"

Client: Chevron

Drill Method: Hollow-Stem Auger

Boring Depth: 43'

Logged By: G. Cisneros and A. Curry

Sample Method: Split-Spoon

MOISTURE	PID (PPM)	BLOWS - 6"	DEPTH	GRAPHIC LOG	SAMPLE INTERVAL	DESCRIPTION	BACKFILL MATERIAL
Wet to Sat	0	50	40			<b>SAND (SP)</b> Same as above; no odor; no sheen.	
			41				
			42			<b>SAND (SP)</b> Light to medium brown, very dense, poorly graded, fine to medium SAND; no odor; no sheen.	
Wet	30	50	43				
			44				
			45				
			46				
			47				
			48				
			49				
			50				
			51				
			52				
			53				
			54				
			55				
			56				
			57				
			58				
			59				





**SOIL BORING LOG**

BORING No: SB-11

PAGE 1 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 41 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Dry					0	AS	3 inches of Asphalt Hand Auger to 8 ft bgs	Concrete
	Dry					1			
	Dry					2	SW/ SM	Light brown, fine SAND, silty (30-40%), roots and other organic debris, occasional cobbles up to 4" diameter. No odor, no sheen.	
	Dry					3			
	Dry					4			
	Dry					5			
	Dry					6	SW	Light brown to gray, fine grained SAND, organic debris absent, less silt (10-20%), gravel and cobble clasts up to 3 inch diameter (20%). No odor, no sheen.	Bentonite
	Dry	3.4				7			
	Dry	3.4				8			
	Dry	3.4				9			
	Dry	3.4				10			
	Dry	3.4				11		Drilled directly to 30 ft bgs without sampling.	

NOTES:



# SOIL BORING LOG

BORING No: SB-11

PAGE 2 of 4

PROJECT: 20-9355

DRILLER: Cascade Drilling, Inc.

WELL DIAMETER:

LOCATION: 45th and Stone, Seattle, WA

DRILL METHOD: Hollow Stem Auger

WELL DEPTH:

CLIENT: Chevron

SAMPLE METHOD: Split Spoon

WELL CASING:

DATE: 4/21/05

HOLE DIAMETER: 8 inches

WELL SCREEN:

LOGGED BY: S. Kline

HOLE DEPTH: 41 feet

FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample		DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details	
					Recovery	Interval					
							12		Drilled directly to 30 ft bgs without sampling.		
							13				
							14				
							15				
							16				
							17				
							18				
							19				
							20				
							21				
							22				

NOTES:



**SOIL BORING LOG**

BORING No: SB-11

PAGE 3 of 4

PROJECT: 20-9355  
LOCATION: 45th and Stone, Seattle, WA  
CLIENT: Chevron  
DATE: 4/21/05  
LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
DRILL METHOD: Hollow Stem Auger  
SAMPLE METHOD: Split Spoon  
HOLE DIAMETER: 8 inches  
HOLE DEPTH: 41 feet

WELL DIAMETER:  
WELL DEPTH:  
WELL CASING:  
WELL SCREEN:  
FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Damp	49.6	36 50			23 24 25 26 27 28 29 30 31 32 33	SW	Drilled directly to 30 ft bgs without sampling.  Brown, fine to medium grained SAND, well sorted. No odor, no sheen.	Bentonite

NOTES:



**SOIL BORING LOG**

BORING No: SB-11

PAGE 4 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 41 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: -

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
SB-11-38	Damp	5306	29	▼	[Black bar]	34	SW	Same as above.	Bentonite
			37			35		Same as above. Gray coloration. Slight hydrocarbon odor, no sheen.	
			50/6			36		Same as above. Moderate hydrocarbon odor, no sheen.	
	20	37	Same as above. SB-11-38 collected.						
	30	38	Same as above.						
Wet	5306	20	20	39	Same as above.				
Wet	67.7	20	20	40	Same as above.				
					41	Total depth = 41 ft bgs.			
					42				
					43				
					44				

NOTES: FID maximum reading = 5306



**SOIL BORING LOG**

BORING No: SB-12

PAGE 1 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 40.5 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Dry	8.1				0	AS	3 inches of Asphalt Airknife to 8 ft bgs	Concrete
	Dry					4	SP	Brown, coarse to fine grained SAND, poorly sorted, 10-20% 1 inch gravel clasts, organic debris (roods and wood splinters).	Bentonite
	Dry					8	SW		
						10		Drilled directly to 20 ft bgs without sampling.	

NOTES:



### SOIL BORING LOG

BORING No: SB-12

PAGE 2 of 4

PROJECT: 20-9355

DRILLER: Cascade Drilling, Inc.

WELL DIAMETER:

LOCATION: 45th and Stone, Seattle, WA

DRILL METHOD: Hollow Stem Auger

WELL DEPTH:

CLIENT: Chevron

SAMPLE METHOD: Split Spoon

WELL CASING:

DATE: 4/21/05

HOLE DIAMETER: 8 inches

WELL SCREEN:

LOGGED BY: S. Kline

HOLE DEPTH: 40.5 feet

FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
		3.8	20 25 40			20 21 22	<b>SW</b>	<p style="text-align: center;">Drilled directly to 20 ft bgs without sampling.</p> <p style="text-align: center;">Light brown to light gray, fine to medium, well sorted SAND, sub rounded to angular grains. No gravel, 10% silt. No odor, no sheen.</p>	

NOTES:



**SOIL BORING LOG**

BORING No: SB-12

PAGE 3 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 40.5 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Damp	1857	14 22 27			23 24 25 26 27 28 29 30 31 32 33	SW	Same as above. Slight solvent type odor - not hydrocarbon odor, no sheen.	Bentonite
	Damp	22.2	20 25 30					Same as above. Slightly more silt content (10-20%).	
	Damp /Dry	7.1	32 46 15						

NOTES:



**SOIL BORING LOG**

BORING No: SB-12

PAGE 4 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 40.5 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
SB-12-36	Damp /Dry	15.4	21 23			34		Same as above. Gray coloration, increased moisture content. Hydrocarbon odor, no sheen. SB-12-34.5 collected.	
			21 19			35			
SB-12-36		5306	19 23			36		Same above. Gray coloration. Moderate odor, no sheen. SB-12-36 collected.	Bentonite
	Wet	5306	22	50/2"		37	SW		
			14 19			38		Moderate to slight odor. SB-12-39 collected.	
	Wet	1877	26			39			
			10			40			
		58.1	30			40			
								Total depth = 40.5 ft bgs.	
			30			41			
						42			
						43			
						44			

NOTES: FID maximum reading = 5306





**SOIL BORING LOG**

BORING No: SB-13

PAGE 1 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 41 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Dry					0	AS	3 inches of Asphalt Airknife to 8 ft bgs	Concrete
	Dry					1			
	Dry					2			
	Dry					3		Brown, fine grained SAND, poorly sorted, coarse organic debris, gravel clasts (10%).	
	Dry					4	SW/ SM		
	Dry					5			
	Dry					6		Same as above. Boulders up to 8 inches in diameter (rounded glacial erratics).	Bentonite
	Dry					7			
	Dry					8			
	Dry					9			
	Dry					10		Drilled directly to 30 ft bgs without sampling.	
	Dry					11			

NOTES:



**SOIL BORING LOG**

BORING No: SB-14

PAGE 1 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 39.5 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Dry	4.9				1		Rubble top 3 inches. Airknife to 8 ft bgs.	Concrete
	Dry					2		Brown, fine grained SAND, poorly sorted, 10% silt, 10-20% 1 inch rounded gravel clasts, occasional 3-4 inch cobbles. No odor, no sheen.	
						3			
						4			
						5			
						6		Same as above. 1 foot rounded boulder brought out by airknife.	Bentonite
						7			
						8			
						9			
						10		Drilled directly to 30 ft bgs.	
						11			

NOTES:



**SOIL BORING LOG**

BORING No: SB-15

PAGE 1 of 1

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 4/21/05  
 LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 39.5 feet

WELL DIAMETER:  
 WELL DEPTH:  
 WELL CASING:  
 WELL SCREEN:  
 FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Dry	9.2				1	<b>AS</b>	Asphalt top 3 inches. Airknife to 8 ft bgs.	Concrete
	Dry					2			
						3			
						4	<b>SP/ SM</b>	Brown, fine grained SAND, poorly sorted, 20% silt and fine gravel, organic debris (wood splinters) present. No odor, no sheen.	Bentonite
						5			
						6			
						7			
						8			
								Total depth = 8 ft bgs.	
						9			
						10			
						11			

NOTES:



# SOIL BORING LOG

BORING No: SB-16

PAGE 1 of 4

PROJECT: 20-9355  
LOCATION: 45th and Stone, Seattle, WA  
CLIENT: Chevron  
DATE: 4/22/05  
LOGGED BY: S. Kline

DRILLER: Cascade Drilling, Inc.  
DRILL METHOD: Hollow Stem Auger  
SAMPLE METHOD: Split Spoon  
HOLE DIAMETER: 8 inches  
HOLE DEPTH: 39.5 feet

WELL DIAMETER:  
WELL DEPTH:  
WELL CASING:  
WELL SCREEN:  
FILTER PACK:

CASING ELEVATION: --

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
						1		Rubble top 3 inches. Airknife to 8 ft bgs.	Concrete
						2			
						3			
						4		Brown, well sorted, fine to medium grained SAND, no rounded clasts.	
						5			
						6			Bentonite
						7			
						8			
						9			
						10		Drilled directly to 30 ft bgs.	
						11			

NOTES:

**BORING LOG**



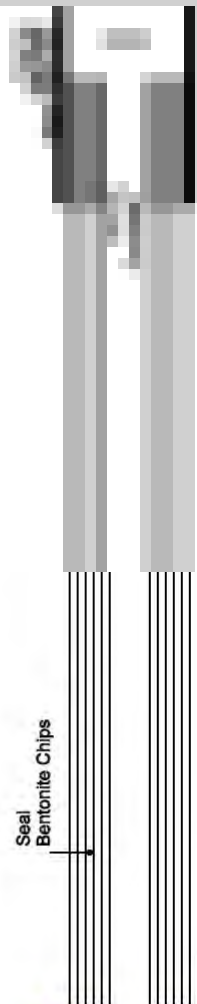
Site: [REDACTED]  
 Boring No: [REDACTED]  
 Diameter: [REDACTED]  
 Date: [REDACTED]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (C...)  
 Method: Hollow St...  
 Consultant: Simon Klin...

Scale: [REDACTED]  
 Date: [REDACTED]  
 [REDACTED]

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description
	0	Dry			SW	(Type 17 F... SAND with	
	5						gray, fine to medium SAND with el and 5% silt.



**BORING LOG**

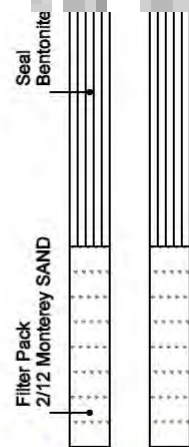


Site: [REDACTED]  
 Borehole: [REDACTED]  
 Diameter: [REDACTED]  
 Date: [REDACTED]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (Cameron)  
 Method: Hollow Stem  
 Consultant: Simon Klir

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Soil Color
	10							
	15	Moist			SP		Brown to grey some gravel	



**BORING LOG**



Site: [Redacted]  
 Borehole: [Redacted]  
 Diameter: [Redacted]  
 Date: [Redacted]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (C) [Redacted]  
 Method: Hollow Stem  
 Consultant: Simon Klir [Redacted]

Scale: [Redacted]  
 Date: [Redacted]

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Description	Notes
	20	Moist			SP		Brown to grey some gravel	
	25						Changes to medium SAND with 10% gravel; no silt.	
							Filter Pack 2/12 Monterey SAND	Screen 10 Slot Sch. 40 PVC



**BORING LOG**



Site: [Redacted]  
 Borehole: [Redacted]  
 Diameter: [Redacted]  
 Date: [Redacted]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (Cameron)  
 Method: Hollow Stem  
 Consultant: Simon Kliment

Scale: [Redacted]  
 Date: [Redacted]  
 [Redacted]

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Soil Classification
	30							
		Sheen		0.0	SP		Brown, fine silt; no ocd	
	35							





**BORING LOG**



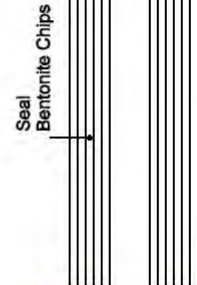
Site: [REDACTED]  
 Boring No: [REDACTED]  
 Diameter: [REDACTED]  
 Date: [REDACTED]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (C...)  
 Method: Hollow St...  
 Consultant: Simon Klin...

Scale: [REDACTED]  
 Date: [REDACTED]  
 [REDACTED]

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Notes
	0	Dry			SW	.....	(Type 17 F... SAND with	
	5				SP	.....	ray, fine to medium SAND with 10% silt.	



BORING LOG

Page 2 of 4



Site: [Redacted]  
Borehole: [Redacted]  
Diameter: [Redacted]  
Date: [Redacted]

Northing: NA  
Easting: NA  
Elevation: NA

Driller: David (Cameron) [Redacted]  
Method: Hollow Stem [Redacted]  
Consultant: Simon Kline [Redacted]

[Redacted]  
[Redacted]  
[Redacted]

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Soil Sample Location
	9							
	10	Moist			SP		Brown to grey gravel and	

Seal  
Bentonite Chips



**BORING LOG**

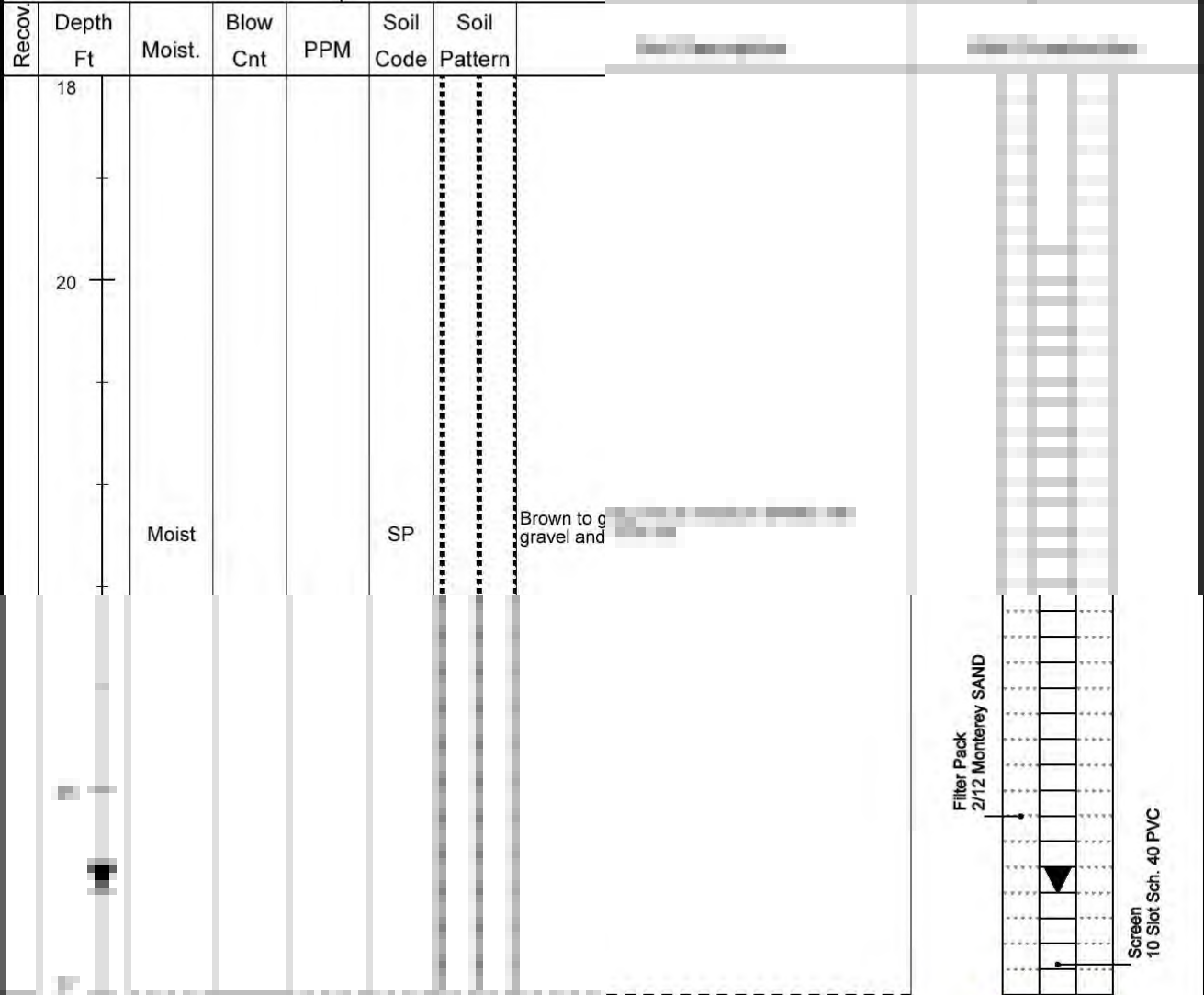


Site:   
 Borehole:   
 Diameter:   
 Date:

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (C...)  
 Method: Hollow Stem  
 Consultant: Simon Klir

Scale:   
 Date:   
 Date:



**BORING LOG**



Site: [Redacted]  
 Borehole: [Redacted]  
 Diameter: [Redacted]  
 Date: [Redacted]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (C...)  
 Method: Hollow St...  
 Consultant: Simon Kli...

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Soil Classification
	27	Moist					Brown to g... gravel and	
			50					
	30	Wet		1194	SP		Gray, fine... slight shee	

Filter Pack  
2/12 Monterey SA

Screen  
10 Slat Sch. 40 PVC

**BORING LOG**



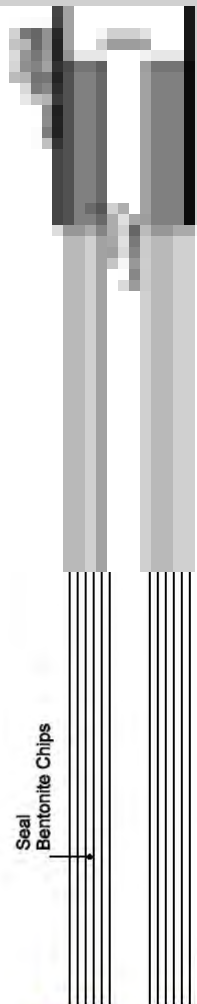
Site: [REDACTED]  
 Boring No: [REDACTED]  
 Diameter: [REDACTED]  
 Date: [REDACTED]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (C...)  
 Method: Hollow St...  
 Consultant: Simon Klin...

Scale: [REDACTED]  
 Date: [REDACTED]  
 [REDACTED]

Recov	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Notes
	0	Dry			SW	.....	(Type 17 F... SAND with [REDACTED])
	5					.....	medium to coarse SAND.





BORING LOG



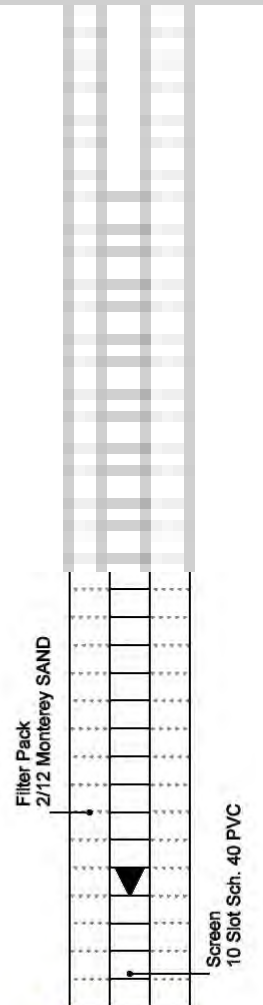
Site: [REDACTED]  
Borehole ID: [REDACTED]  
Diameter: [REDACTED]  
Date: [REDACTED]

Northing: NA  
Easting: NA  
Elevation: NA

Driller: David (Ca [REDACTED])  
Method: Hollow Stem  
Consultant: Simon Klim [REDACTED]

Recon.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern
--------	----------	--------	----------	-----	-----------	--------------

	18					
	20					
		Moist			SP	Brown, me [REDACTED]



**BORING LOG**



Site: [Redacted]  
 Borehole: [Redacted]  
 Diameter: [Redacted]  
 Date: [Redacted]

Northing: NA  
 Easting: NA  
 Elevation: NA

Driller: David (Cameron)  
 Method: Hollow Stem  
 Consultant: Simon Kliment

Recov.	Depth Ft	Moist.	Blow Cnt	PPM	Soil Code	Soil Pattern	Soil Description	Soil Color
	27	Moist					Brown, me...	
			50					
	30	Moist		1067	SP		Gray, fine moderate	

Filter Pack  
2/12 Monterey SA

Screen  
10 Slat Sch. 40 PVC







### SOIL BORING LOG

BORING No: MW-9

PAGE 1 of 4

PROJECT: 20-9355

DRILLER: Cascade Drilling, Inc.

WELL DIAMETER: 2"

LOCATION: 45th and Stone, Seattle, WA

DRILL METHOD: Hollow Stem Auger

WELL DEPTH: 44.1'

CLIENT: Chevron

SAMPLE METHOD: Split Spoon

WELL CASING: Sch. 40 PVC

DATE: 12/04/2006

HOLE DIAMETER: 8 inches

WELL SCREEN: 29.1'-44.1'

LOGGED BY: G. Cisneros

HOLE DEPTH: 45 feet

FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 208.11 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample		DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details	
					Recovery	Interval					
									Airknife to 8 ft bgs.		
							1				
							2				
							3				
							4				
							5		Brown, fine to medium grained SAND.		
							6	SP			
							7				
							8				
							9				
			24				10		Light brown, fine to medium SAND, no silt, no gravel; no odor; no sheen.		
	Moist	0.1	31								
			27				11				

NOTES:



### SOIL BORING LOG

BORING No: MW-9

PAGE 2 of 4

PROJECT: 20-9355	DRILLER: Cascade Drilling, Inc.	WELL DIAMETER: 2"
LOCATION: 45th and Stone, Seattle, WA	DRILL METHOD: Hollow Stem Auger	WELL DEPTH: 44.1'
CLIENT: Chevron	SAMPLE METHOD: Split Spoon	WELL CASING: Sch. 40 PVC
DATE: 12/04/06	HOLE DIAMETER: 8 inches	WELL SCREEN: 29.1'-44.1'
LOGGED BY: G. Cisneros	HOLE DEPTH: 45 feet	FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 208.11 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample		DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
					Recovery	Interval				
	Moist	0.01	27		[REDACTED]	[REDACTED]	12 13 14 15 16 17 18 19 20 21 22	<b>SP</b>  Drilled directly to 30 ft bgs.		

NOTES:



**SOIL BORING LOG**

BORING No: MW-9

PAGE 3 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 12/04/06  
 LOGGED BY: G. Cisneros

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 45 feet

WELL DIAMETER: 2"  
 WELL DEPTH: 44.1'  
 WELL CASING: Sch. 40 PVC  
 WELL SCREEN: 29.1'-44.1'  
 FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 208.11 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Moist	0.1	50/3"			23 24 25 26 27 28 29 30 31 32 33	SP	<p>Drilled directly to 30 ft bgs.</p> <p>Light brown, fine to medium SAND; no silt; no gravel; no odor; no sheen.</p>	

NOTES:



**SOIL BORING LOG**

BORING No: MW-9

PAGE 4 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 12/04/06  
 LOGGED BY: G. Cisneros

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 45 feet

WELL DIAMETER: 2"  
 WELL DEPTH: 44.1'  
 WELL CASING: Sch. 40 PVC  
 WELL SCREEN: 29.1'-44.1'  
 FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 208.11 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Moist	0.1	50			34-35		Same as above; no odor; no sheen.	
						36-37			
MW-9-37.5	Wet to Sat	0.1	50			38	SP	Same as above; no odor; no sheen.	
						39-44			
Total depth = 45 ft bgs.									

NOTES:



**SOIL BORING LOG**

BORING No: MW-10

PAGE 1 of 4

PROJECT: 20-9355

DRILLER: Cascade Drilling, Inc.

WELL DIAMETER: 2"

LOCATION: 45th and Stone, Seattle, WA

DRILL METHOD: Hollow Stem Auger

WELL DEPTH: 44.1'

CLIENT: Chevron

SAMPLE METHOD: Split Spoon

WELL CASING: Sch. 40 PVC

DATE: 12/04/2006

HOLE DIAMETER: 8 inches

WELL SCREEN: 30'-45'

LOGGED BY: G. Cisneros

HOLE DEPTH: 45 feet

FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 207.29 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample		DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details	
					Recovery	Interval					
							1		Airknife to 8 ft bgs.		
							2				
							3				
							4				
							5		Light brown, fine to medium grained SAND.		
							6	SP			
							7				
							8				
							9				
							10				
	Moist	0.3	50/5"				10		Light brown, fine to medium SAND, no silt, no gravel; no odor; no sheen.		
							11				

NOTES:



**SOIL BORING LOG**

BORING No: MW-10

PAGE 2 of 4

PROJECT: 20-9355

DRILLER: Cascade Drilling, Inc.

WELL DIAMETER: 2"

LOCATION: 45th and Stone, Seattle, WA

DRILL METHOD: Hollow Stem Auger

WELL DEPTH: 44.1'

CLIENT: Chevron

SAMPLE METHOD: Split Spoon

WELL CASING: Sch. 40 PVC

DATE: 12/04/06

HOLE DIAMETER: 8 inches

WELL SCREEN: 30'-45'

LOGGED BY: G. Cisneros

HOLE DEPTH: 45 feet

FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 207.29 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample		DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
					Recovery	Interval				
							12		Light brown, fine to medium SAND; no silt; no gravel; no odor; no sheen.	
							13			
							14			
							15			
							16			
							17	SP		
							18			
							19			
							20			
							21			
							22			
									Drilled directly to 35 ft bgs.	

NOTES:



### SOIL BORING LOG

BORING No: MW-10

PAGE 3 of 4

PROJECT: 20-9355  
LOCATION: 45th and Stone, Seattle, WA  
CLIENT: Chevron  
DATE: 12/04/06  
LOGGED BY: G. Cisneros

DRILLER: Cascade Drilling, Inc.  
DRILL METHOD: Hollow Stem Auger  
SAMPLE METHOD: Split Spoon  
HOLE DIAMETER: 8 inches  
HOLE DEPTH: 45 feet

WELL DIAMETER: 2"  
WELL DEPTH: 44.1'  
WELL CASING: Sch. 40 PVC  
WELL SCREEN: 30'-45'  
FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 207.29 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
						23			
						24			
						25			
						26			
						27			
						28	SP	Drilled directly to 35 ft bgs.	
						29			
						30			
						31			
						32			
						33			

NOTES:



**SOIL BORING LOG**

BORING No: MW-10

PAGE 4 of 4

PROJECT: 20-9355  
 LOCATION: 45th and Stone, Seattle, WA  
 CLIENT: Chevron  
 DATE: 12/04/06  
 LOGGED BY: G. Cisneros

DRILLER: Cascade Drilling, Inc.  
 DRILL METHOD: Hollow Stem Auger  
 SAMPLE METHOD: Split Spoon  
 HOLE DIAMETER: 8 inches  
 HOLE DEPTH: 45 feet

WELL DIAMETER: 2"  
 WELL DEPTH: 44.1'  
 WELL CASING: Sch. 40 PVC  
 WELL SCREEN: 30'-45'  
 FILTER PACK: 2/12 Monterey Sand

CASING ELEVATION: 207.29 msl

Analytical Sample Number	Moisture Content	PID (ppm)	BLOWS/6"	Water Level	Sample Recovery Interval	DEPTH (ft.)	SOIL TYPE	LITHOLOGY / DESCRIPTION	Well Completion/ Backfill Details
	Moist	0.3	50			34			
						35		Light brown, fine to medium SAND; no silt; no gravel; no odor; no sheen.	
						36			
						37			
MW-10-37.5	Wet to Sat	0.3	50			38		Same as above; no odor; no sheen.	
						39	SP		
						40			
						41			
						42			
						43			
						44			
						45			
								Total depth = 45 ft bgs.	

NOTES: Ambient air reading from PID is 0.3-0.5 ppm



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT  
 Notice of Intent No. A 69872  
 Type of Well ("x" in circle) 25-4E (18B)  
 Resource Protection  
 Geotech Soil Boring

Construction/Decommission ("x" in circle) 169457  
 Construction  
 Decommission ORIGINAL INSTALLATION Notice  
 of Intent Number \_\_\_\_\_

4  
 DECOMMISSIONED

Consulting Firm SAFC  
 Unique Ecology Well ID \_\_\_\_\_  
 Tag No: \_\_\_\_\_

Property Owner Vacant Lot  
 Site Address Stoneway N & N. 45th St  
 City Seattle County: King  
 Location NW<sup>1/4</sup> NE<sup>1/4</sup> Sec 18 Twp 25N R 4E  circle  
 or one  
 WWM  
 Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller  Engineer  Trainee Name (Print) Daymen Lawer  
 Driller/Engineer/Trainee Signature \_\_\_\_\_  
 Driller or Trainee License No. 2745T

Tax Parcel No. ~  
 Cased or Uncased Diameter 2" Static Level \_\_\_\_\_  
 Work/Decommission Start Date 3/18/05  
 Work/Decommission Completed Date 3/18/05

If trainee, licensed driller's Signature and License no. Kasey Goble 2501  
[Signature]

Construction/Design	Well Data	Formation Description
	CONCRETE SURFACE SEAL	0 - 42 ft.
	BACKFILL <u>Bentonite chips</u>	_____ ft.
	_____	_____ ft.
	DEPTH OF BORING <u>42'</u>	
		<b>RECEIVED</b> APR 11 2005 DEPT OF ECOLOGY  <b>CLIENTS WELL ID #</b> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. A 69872

Construction/Decommission ("x" in circle) 169458

Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

4  
DECOMMISSIONED

Type of Well ("x" in circle) 25-4E-18B

Resource Protection  
 Geotech Soil Boring

Consulting Firm SATC  
Unique Ecology Well ID \_\_\_\_\_  
Tag No: \_\_\_\_\_

Property Owner Vacant Lot  
Site Address Stoneway N 9 N. 45th St  
City Seattle County: King

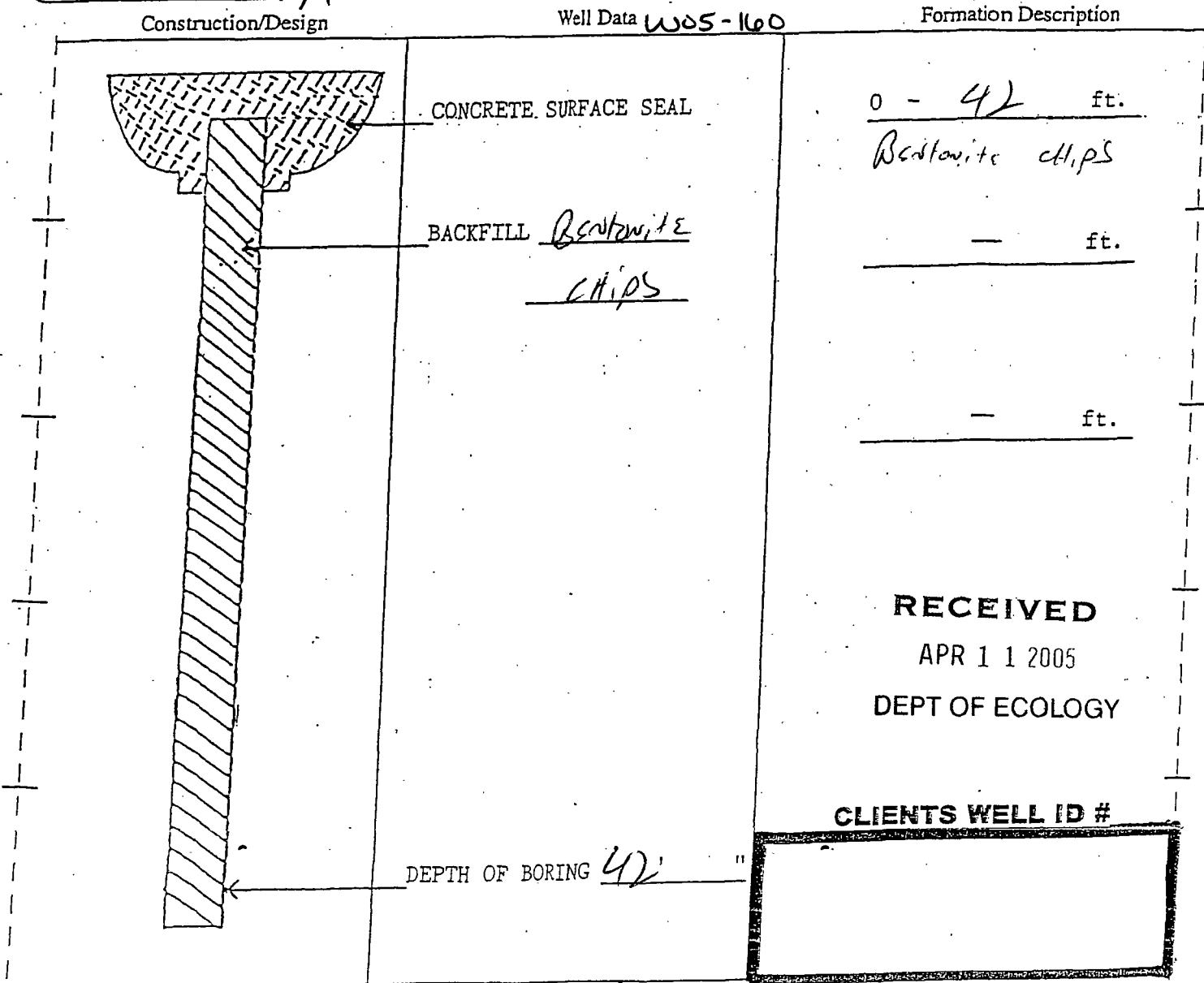
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller  Engineer  Trainee Name (Print) Jaymen Lawer  
Driller/Engineer/Trainee Signature \_\_\_\_\_  
Driller or Trainee License No. 2745T

Location NW 1/4 NE 1/4 Sec 18 Twn 25N R 4E <sup>EW</sup> circle or one WWM  
Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. ~  
Cased or Uncased Diameter 2" Static Level \_\_\_\_\_  
Work/Decommission Start Date 3/18/05  
Work/Decommission Completed Date 3/18/05

If trainee, licensed driller's Signature and License no. Kasey Goble 2501  
[Signature]



**RECEIVED**  
APR 11 2005  
DEPT OF ECOLOGY

CLIENTS WELL ID #

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. A 69872

Construction/Decommission ("x" in circle) 169460  
 Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

4  
 DECOMMISSIONED  
 Type of Well ("x" in circle) 25-4E 18B  
 Resource Protection  
 Geotech Soil Boring

Consulting Firm SATC  
 Unique Ecology Well ID \_\_\_\_\_  
 Tag No: \_\_\_\_\_

Property Owner Vacant Lot  
 Site Address Stoneway N 9 N. 45th St  
 City Seattle County: King

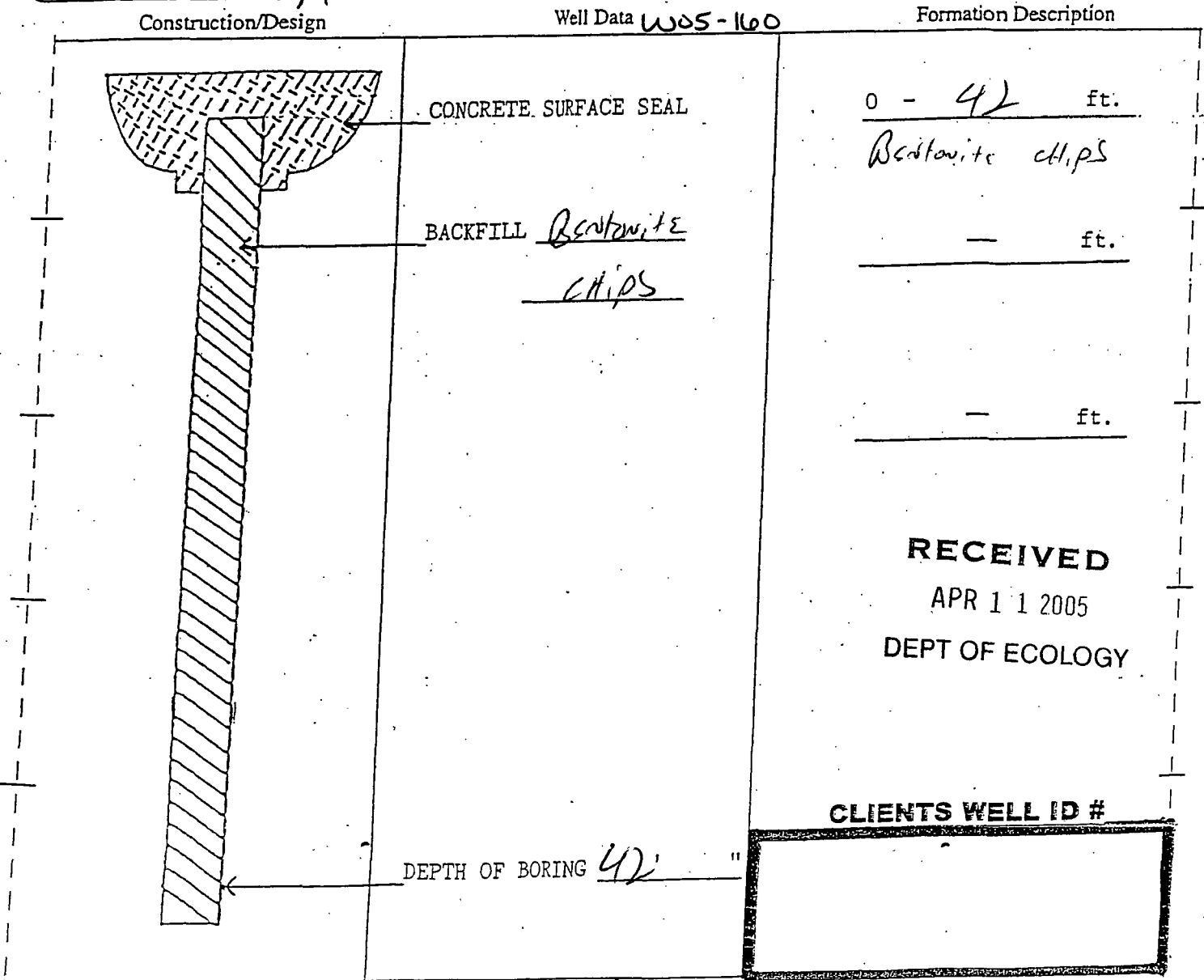
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Location NW 1/4 NE 1/4 Sec 18 Twn 25N R 4E  circle or one WWM  
 Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Driller  Engineer  Trainee Name (Print) Daymen Lauer  
 Driller/Engineer/Trainee Signature \_\_\_\_\_  
 Driller or Trainee License No. 2745T

Tax Parcel No. \_\_\_\_\_  
 Cased or Uncased Diameter 2" Static Level \_\_\_\_\_  
 Work/Decommission Start Date 3/18/05  
 Work/Decommission Completed Date 3/18/05

If trainee, licensed driller's Signature and License no. Kasey Goble 2501  
[Signature]



**RECEIVED**  
 APR 11 2005  
 DEPT OF ECOLOGY

CLIENTS WELL ID #  
 \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in circle) 169461

Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Consulting Firm SATC  
Unique Ecology Well ID \_\_\_\_\_  
Tag No: \_\_\_\_\_

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller  Engineer  Trainee Name (Print) Daymen Lauer  
Driller/Engineer/Trainee Signature \_\_\_\_\_  
Driller or Trainee License No. 2745T

If trainee, licensed driller's Signature and License no. Kasey Goble 2501  
[Signature]

CURRENT Notice of Intent No. A 69872

4  
DECOMMISSIONED  Resource Protection 25-4E-18B  
 Geotech Soil Boring

Property Owner Vacant Lot  
Site Address Stoneway N 9 N. 45th St  
City Seattle County: King

Location NW 1/4 NE 1/4 Sec 18 Twn 25N R 4E  circle or one WWM

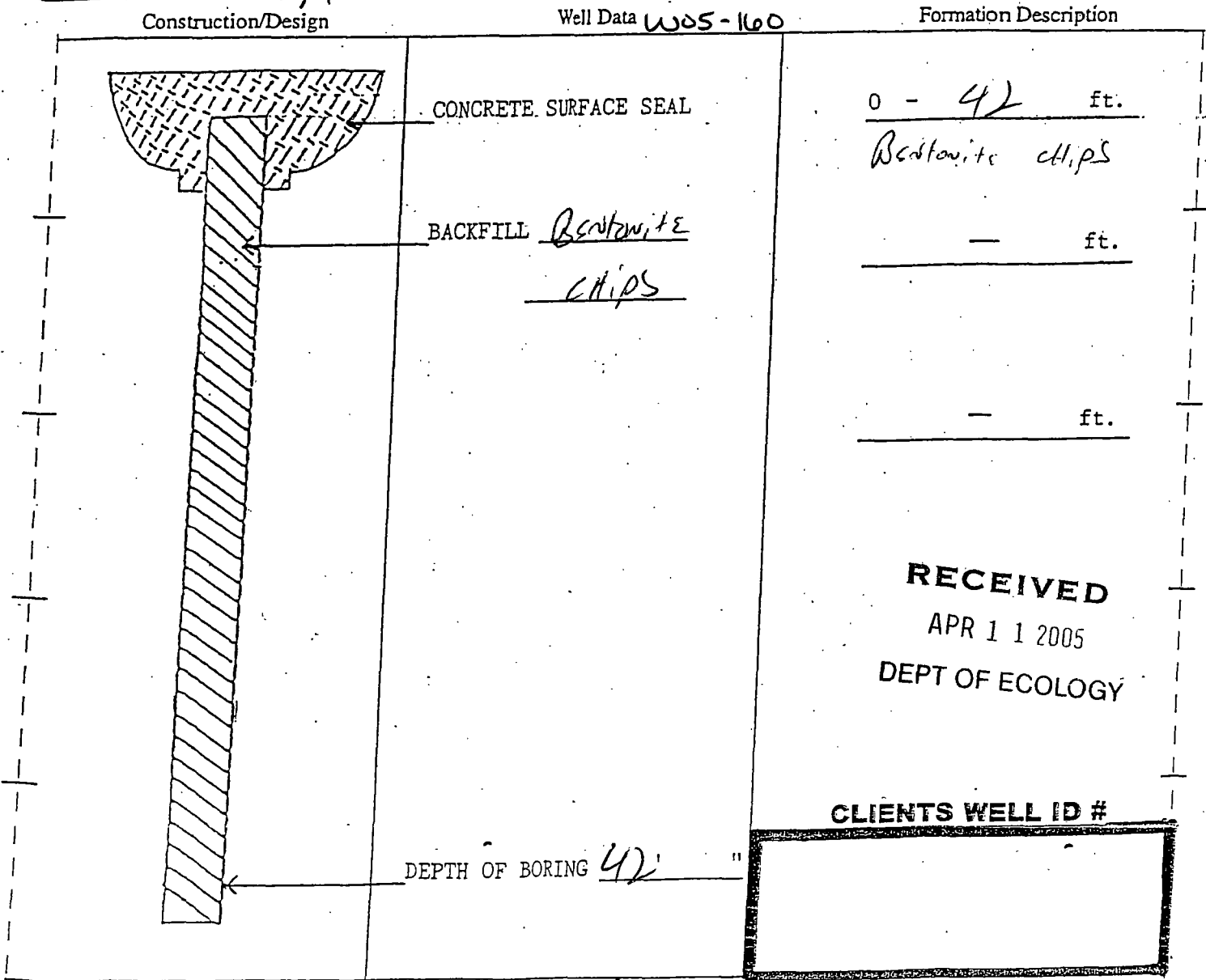
Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. [Signature]

Cased or Uncased Diameter 2" Static Level \_\_\_\_\_

Work/Decommission Start Date 3/18/05

Work/Decommission Completed Date 3/18/05



RECEIVED  
APR 11 2005  
DEPT OF ECOLOGY

CLIENTS WELL ID #