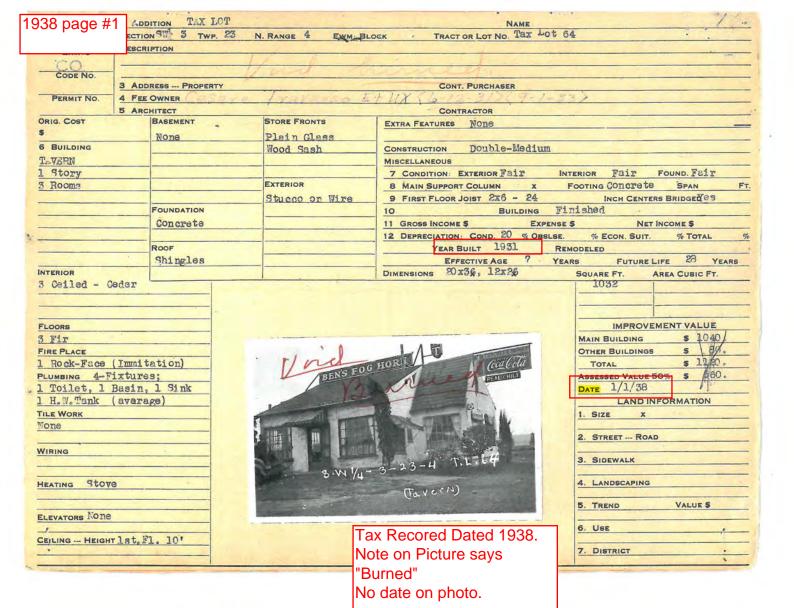
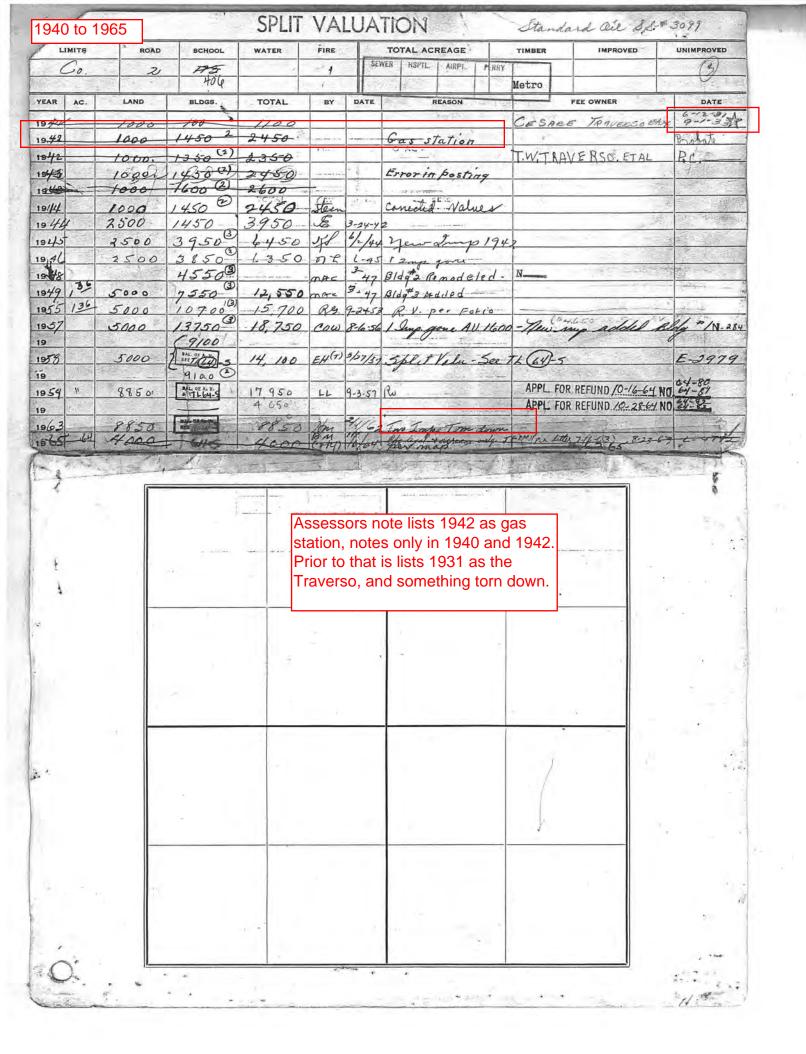
# **APPENDIX A**



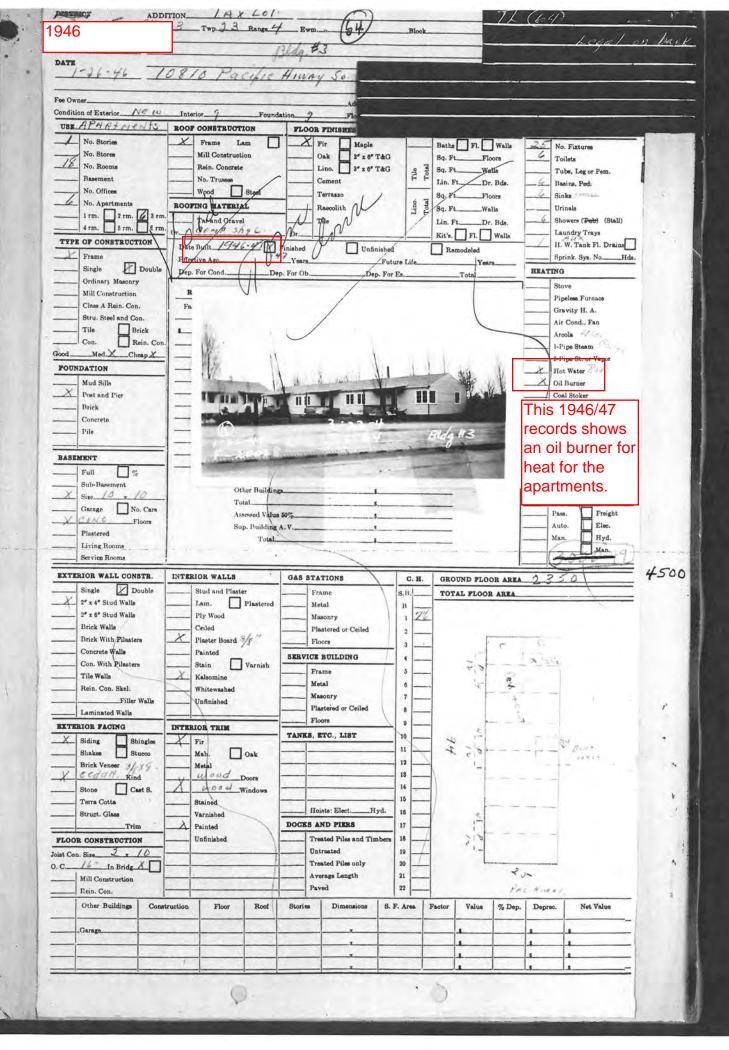
1938 page #2	LAND CLASSIFICATION OR JEGREGATION	
SECTION STATE 3	Beg on W ln of old Pac Hway ( rtn of a Marginal Way) at a nt N 16 047 30 " W 1155.44" from 9 in of 25 Sec. // th 9 85° 16' W to 2 in of State at h M #1 th My alg 2 in 2 ad Rd to pt of inter wim W line of Pac Hway th 91y alg ad My ln to pt of beg. ( 188)	PLAT MAP Folio #20028 Co.
TAX LOT NO. 64 PARCEL NO.	2573 3-23-4 64  Baap on Wly mgn of E Marginal Way N 17° 20° W 1155.44° frm S Sec In th S 84°43° 30° W 30.68° to Tpob th N 17°20° W 243. 58° th N 82°24°36° W 31° th S 16°27° W  267.74° th N 84°43°30° E 188.83° to Tpob	
BLOCK No.		1





LETTS	ROAD	SCHOOL	WATER	FIRE	TOTA	L ECREAGE	TIMBER	MPROVED	UNEMPROVED
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1958 SPLIT VALUATION WATER FIRE SHUER HUSELPAL SCHOOL FERRY LAND. TOTAL DATE REASON (4650 19 SEETHER SEETH 640 1858 4650 .64 19 19 19 19 19 19 19 19 19 19 79 12 19 10 10 19

ON BUILDINGS BURNED, TORN DOWN OR DESTROYED STATE OF WASHINGTON) County of King SACK + Theo. Traver So. being first duly sworn, on oath deposes and says: That he is the owner of certain real estate described, as 3-23-4 - Tx Lot 64 - 10810- PACO HILDRY SC (legal description of property) that the following building Apartment (description of building destroyed) situated thereon was burned, torn down or destroyed on Dec 1964 that affiant hereby requests that said building be removed from the tax rolls. Subscribed to this / day of 24- at Seattle, Washington

PETITION FOR TAX EXEMPTION

The apartment building torn down in 1961. Base on the aerial photos, this must have been the the most southern building on the property. The 10810 Pac-Hwy is an old address, same tax parcel.

	130	ADDITION. Section 3 Twp 2 3 Range 4 Ewm. Block 6 4 Lot or	- Legal or
	PERMIT NO.	Tax Lot Tract	
	DATE	Address 10805. Easy marging/ Way	10000
*	1.3.63		
	Foe Owner 5 + A N	ARD OIL ED Architect	Contractor.
	Condition of Exterior	Interior K Foundation Floor Plan: Good	Accept Good
	USE S FRUICE St.	HOY ROOF CONSTRUCTION FLOOR FINISHES Tile	Lino. PLUMBING
	No. Stories		ns TFI. Walls No. Fixtures
	No. Stores	Mill Construction Oak 2°x6" T&G	Ft. AAV Floors 2 Toilets
	No. Rooma		Ft. LAV Walls Tub, Leg or Pem.
	Basement No. Offices	No. Truesce Cement Lin. Wood Steel Terrasso Sq. 1	1
	No. Apartmenta		
	1 rm 2 rm.	BOOFING MATERIAL Recolith 6 7 8 Sq. I	
	TYPE OF CONSTRUCT	6 rm. Or. Or. Kit's	Fi. Walls Laundry Trays
	Meta	178 Leekhad 19/2	H. W. Tank Fl. Drains Sprink. Sys. No. H
	Single Dou	Date Built 1900 Unfinished Unfinished	Remodeled Bprink. Sys. No. H
	Ordinary Masonry	Effective Ago. Yours Future Life.  Dep. for Cond. Dep. for Ob. Dep. for Es.	Total Stove
	Mill Construction	RI	Pipeless Furnace
	Class A Rein. Cor		Gravity H. A.
	Tile Bric	- Charmen	Air Cond., Fan H.F. A
		Con.	Stoam Heat
	Good Med Ches		Hot Water
	POUNDATION	78	Oil Burner  Sear Value
	Mud Sills Post and Pier	25	
	Brick	Pump Island (M	
	Concrete	35	67 3457 BH
	Pile	Pump Island (East)	7/ 17900
	BASEMENT		S
	Full 76	31. 10805 Earlinging	
3.1	Sub-Basement	→ TAN	
	Size	<u> </u>	
9	Tanks liste	" 5 Lyt 105 /a /s Man. Hvd. Treated Piles only	Conduit
	-under phot	). Circo-Lis 51 514 Man. Average Longth	Power Wiring
-1	Service Rooms	Moral Fens, J. H. 153 Ft Paved  / Hoists: Elec. Hyd.	Range Wiring No. Outlets
- 1	EXTERIOR WALL CON		
			3 15 -
	Single D	and the second s	
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ASSESSOR'S ACCT NO 032304 9064 8

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	ght Port	S	4	345	1380		.24	290	TOTAL				797	280
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	TANK 50		6-1	675	475	10	.2/	1 142	TOTAL R	EPLACEMEN	T COST		1 967	122
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Pu	MO PIDING						121	_	PERCENT	COMPLET	E (NET)		×	-
07AL	MP PIPING	-	- 07 HER 18	PROVE	1EH 15			1-	PARTIAL	VALUE			\$	
	WATER .		4	275	100	111	.2/	231	1					

INCOME APPROACH ACTUAL ECONOMIC	UST understood to be assoicated with the 1963
ANNUAL POTENTIAL GROSS LESS VAC & CREDIT LOSS ANNUAL EFFECTIVE GROSS LESS EXPENSES	remodeled station.
ANNUAL NET INCOME  INT MATE TAX MATE LAND MATE LESS LAND INCOME.	
LAND VALUE LAND RATE NET INCOME TO BUILDING	
- BLOG MATE:  HT MATE TAX MATE MECAPTURE MATE BUILDING MATE BUILDING VALUE	
PERSONAL PROP VALUE	
INCOME APPROACH #1 #2	
1 NCOME APPROACH # 1 # 2  3. COST APPROACH OR RCN  4. MKT # 1	
SELECTED VALUE: LAND	
SALES PARCEL E # AMOUNT	DATE LOCATION HOTES

See note below! Station relocated to original location...remodeled. No tanks mentioned, only pump islands.

Station maved back From orgina! Locations a Remiduled 8/13 Iww

CANOFY MIL 3-27 X32 C-6

ATE-FC-GX98' LAFE

TE STA S.T-3 FIXT

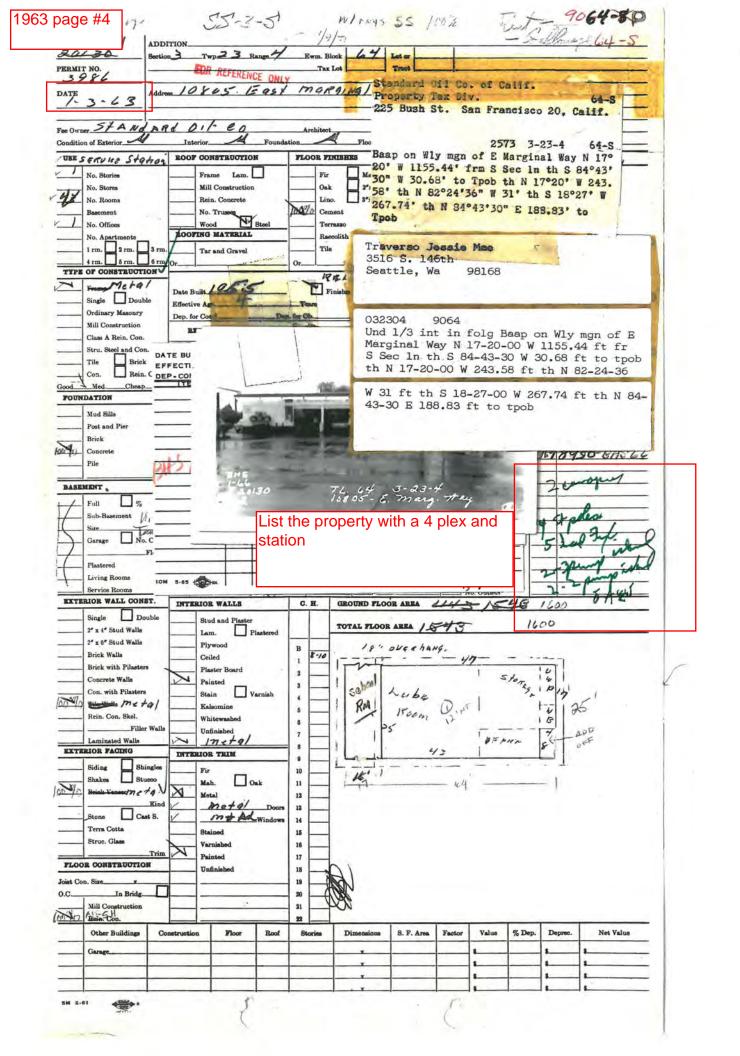
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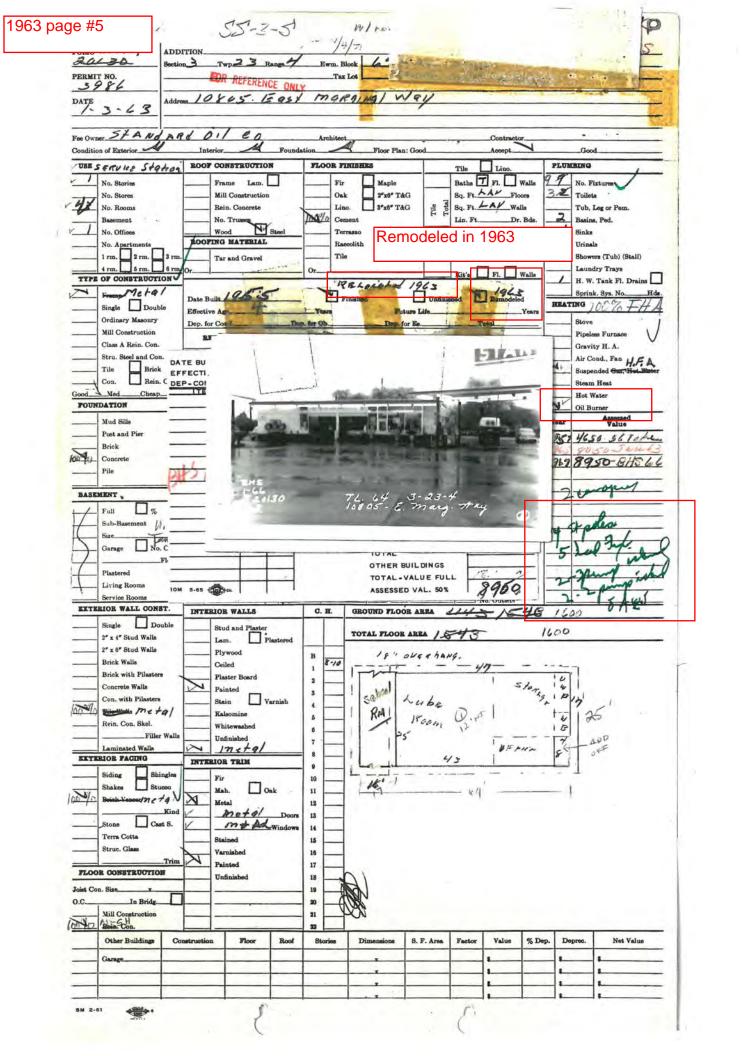
PUMP IS 4-3'X22'

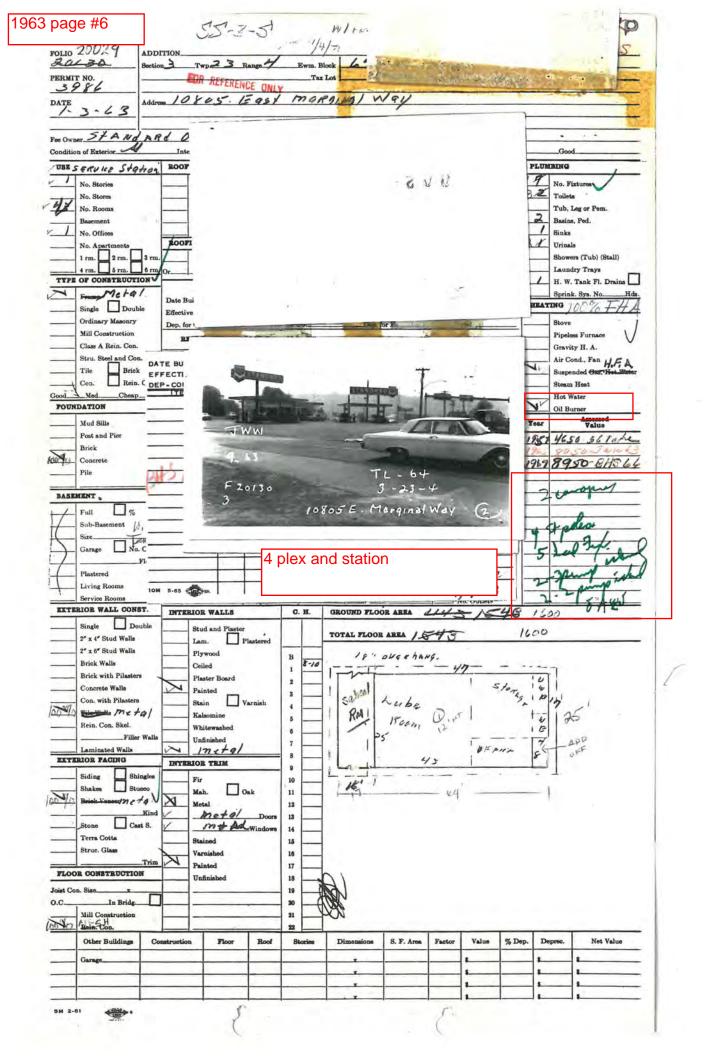
HOGA FT

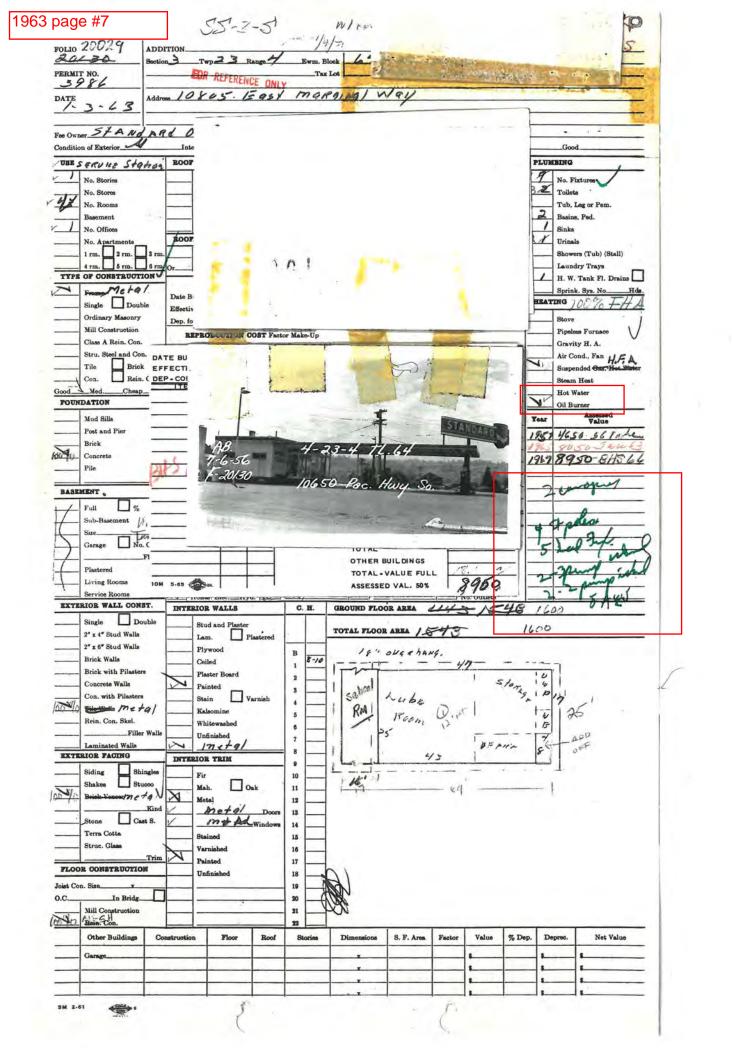
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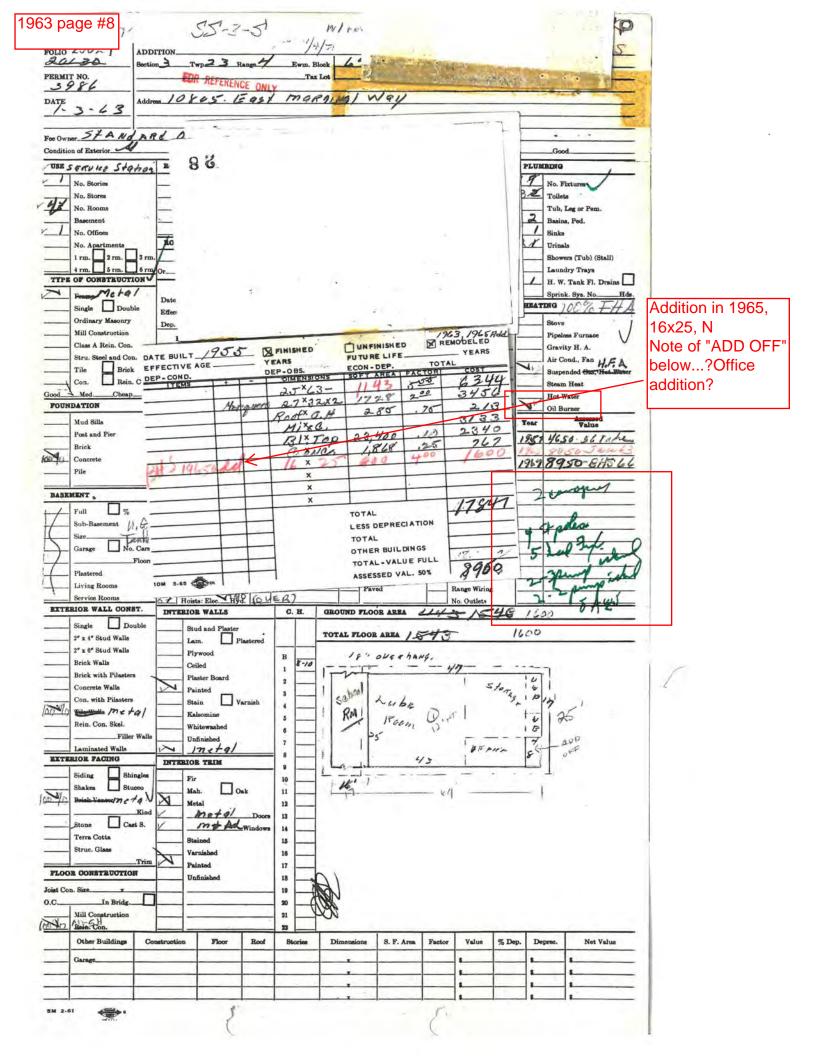
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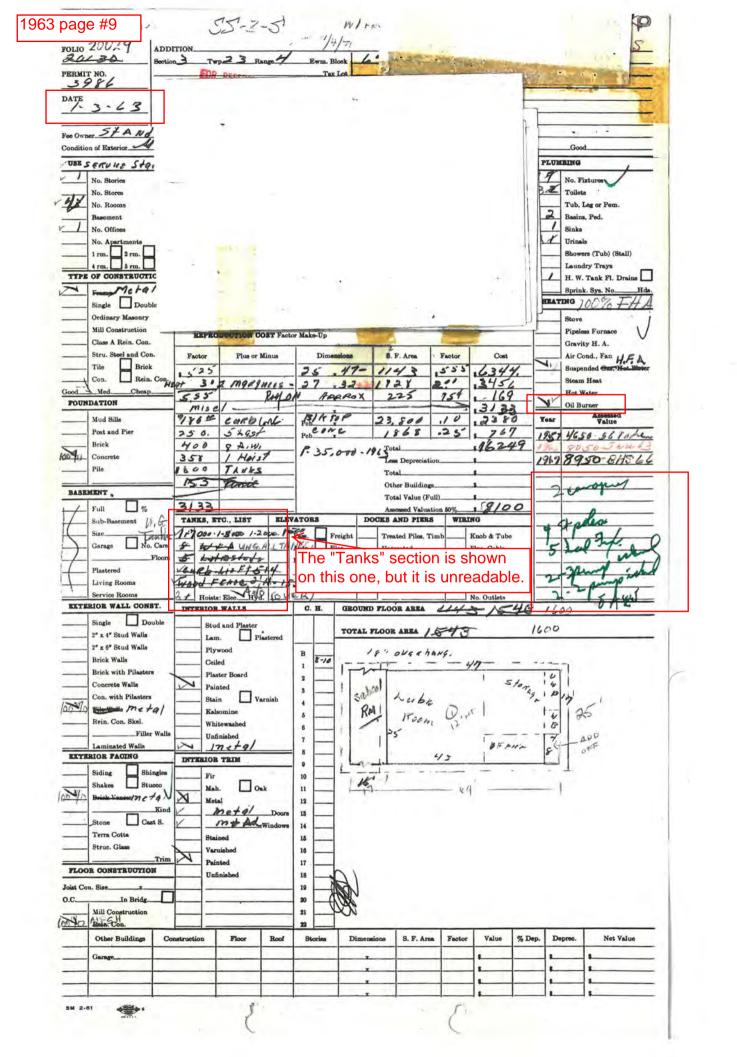












958 to 1	973	ROAD	SCHO	OL WA	ATER	FIRE	SEWER	HOSPITA	AL T	METRO	4.570 PK	E REC
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PRICE	FILE#	R DATE	FEE OWNER	CD	N	REASO	DATE	ву	TOTAL	BLDGS	LAND	AC	YEAR
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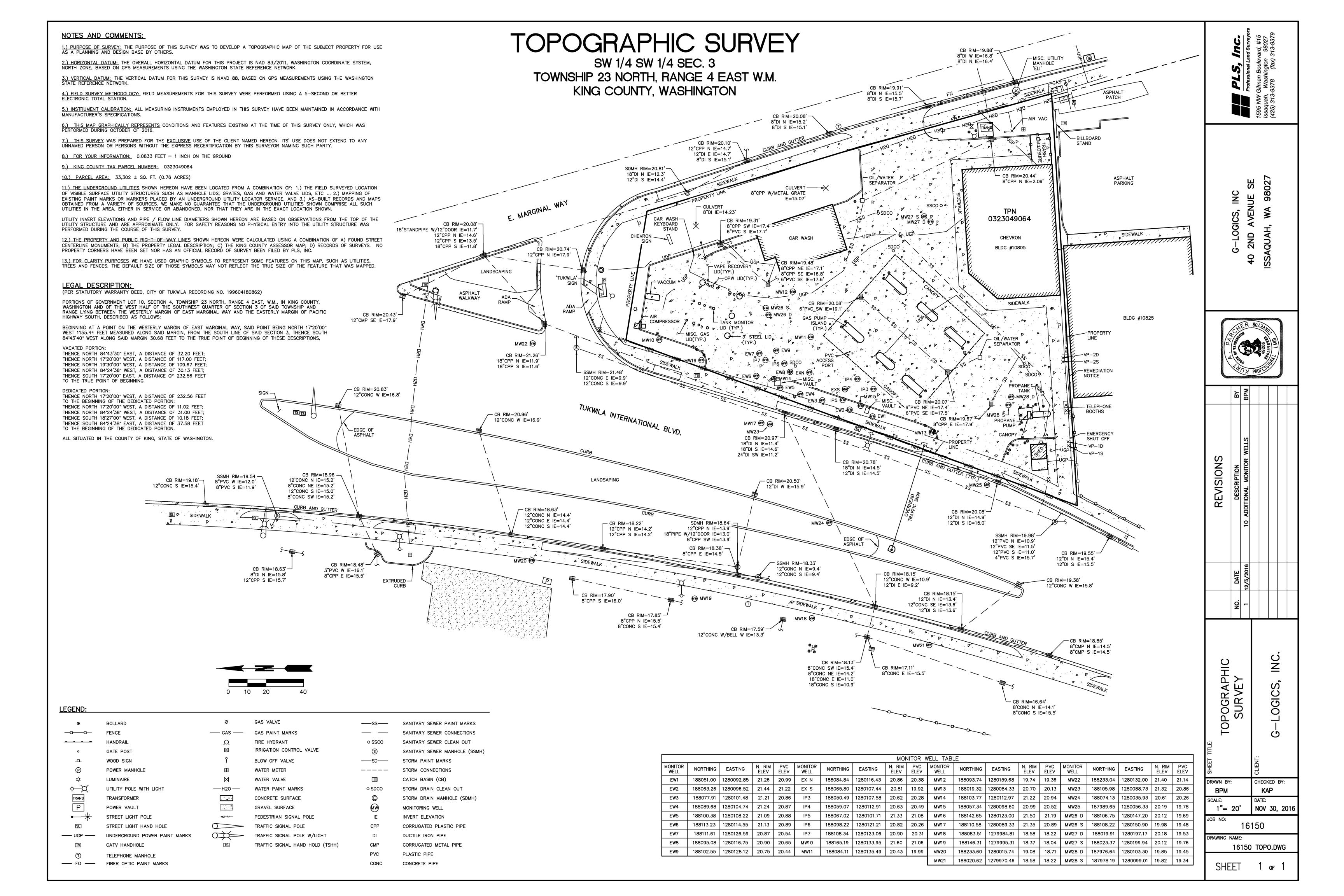
### STATISTICS PERINETER  #### SOUNTIONS  ###################################	RADE	SIAIR	10 250 -2 TATION USE CODE	62/5		STORIES		1-	-		2 1		
SOURCE FEET     SOURCE FEET   SOUR	YEAR BUILT	1955/24	CONDITION	107	STATISTICS	PERIMETER	0.00						
STORY   ADDITIONS	EFFECTIVE AGE	-	NO. OF UNITS		-	SQUARE FEE		11.00					
######################################			ADDITIONS	1	FLAT	ITEMS		-	DING C	ALCULATI	ENG		
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ADJ. BASE  ADJ. BASE	TH	5.5	8			5 V	STY. FAC.						
SP	TH	3.5	e				ADJ. FAC.						
FLOOR  FLOOR  ROOF  TH SF & CEIL  TH SF & CEIL  TH SF & TEAT  AIR CONO.  HTS  INK.  AL 35.75  RIES  FOR TITEMS  FOR TOTAL  STONE  AL T FACTOR  FLOOR  AL REPLACEMENT COST  SICAL DEPRECIATION (NET)  35.75  AL PHYSICAL VALUE  \$ 37.86	TH	37	6				ADJ. BASE						
### ##################################	TH	85	e				BSMT.						
TH SF 6  TH SF 6  PART  HEAT  AIB COND.  175  INR.  AL 35.75  RES  1600 SF 6 35.75 57.200  SF 6  SF 6  SF 6  T ITEMS  AL  T FACTOR  FAL REPLACEMENT COST  SICAL DEPRECIATION (NET) 3.50, X .0.5  FAL PHYSICAL VALUE \$ 37/80.	HT	5.5	8			12 2 1 1 1	FLOOR						
PART HEAT AIR COND.  AL 35.75  NIES  1600 St @ 35.75 \$ 7200  ST @ ST	TH	35	e										
HEAT  AIR COND.  HTS  INK.  AL 35.75  NIES  1600 SF 6 35.75 57200  SF 6  SF 6  SF 6  SF 6  T ITEMS  - TOTAL  HTIONS  AL  T FACTOR  FAL REPLACEMENT COST  SIGAL DEPRECIATION (NET) 350, X .65  FAL PHYSICAL VALUE \$ 37/80.	TH	ar.	•			111111111							
AL 35.75  NES  1600 SF @ 35.75 57200  SF @ SF	TH	35	6										
AL 35.75  ALS  1600 SF @ 35.75 57200  SF @ 35 @ 35.75 57200  TITEMS  -TOTAL  STIONS  AL  T FACTOR  TAL REPLACEMENT COST  SICAL DEPRECIATION (NET) 350, X .65  AL PHYSICAL VALUE \$ 37/80.													
AL 35.75  NES  1600 SF 6 35.75 57200  SF 6  SF 6  SF 6  T IYEMS  - TOTAL  PITONS  AL  T FACTOR  FAL REPLACEMENT COST  SICAL DEPRECIATION (NET) 350, X .65  FAL PHYSICAL VALUE \$ 37/80					-						-	-	
SF &  SF &  SF &  SF &  SF O  T ITEMS  - TOTAL  NTIONS  AL  IT FACTOR  FAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  3.50, X .55  FAL PHYSICAL VALUE  \$ 37/80	7_				-		AIR COND.						
SF &  SF &  SF &  SF O  T IYEMS  - TOTAL  STIONS  TAL  T FACTOR  TAL REPLACEMENT COST  SIGAL DEPRECIATION (NET)  SIGAL DEPRECIATION (NET)  AL PHYSICAL VALUE  \$ 37/80	**	,					AIR COND.			. 2	. 15		7.5.0
T ITEMS  - TOTAL  HTIONS  TAL  IT FACTOR  FAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  3.50, X .65  TAL PHYSICAL VALUE  \$ 37/80	1	1					AIR COND.			9 3.	5.75	5	7200
T ITEMS  - TOTAL  ITIONS  AL  IT FACTOR  FAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  350, x .65  FAL PHYSICAL VALUE  \$ 37/80	/ **	1					AIR COND.		35	6	5.75	5	7200
T ITEMS  -TOTAL  STIONS  AL  T FACTOR  TAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  FAL PHYSICAL VALUE  \$ 37/80	(本)	1					AIR COND.		3F	6	5.75	5	7 200
ITIONS  AL  T FACTOR  FAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  AL PHYSICAL VALUE  \$ 37/80	/ * ·	1					AIR COND.		3F 8F	6	5.75	51	7.200
T FACTOR  TAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  TAL PHYSICAL VALUE  \$ 37/80	/ * ·						AIR COND. HTS INK.	160	3F 8F	6	5.75	5	7 200
TAL  T FACTOR  TAL REPLACEMENT COST  SICAL DEPRECIATION (NET)  TAL PHYSICAL VALUE  \$ 37/80	/ * a						AIR COND. HYS INK. AL AIES	160	3F 8F	6	5.75	5	7 200
TAL REPLACEMENT COST \$ 57200  SICAL DEPRECIATION (NET) 350 x .65  TAL PHYSICAL VALUE \$ 37/80	1						AIR COMD.  HTS INK.  AL RIES  T ITE - TOTA	/60	3F 8F	6	5.75	5	7 200
BICAL DEPRECIATION (NET) 350 X .65  AL PHYSICAL VALUE \$ 37/80	大 大 本						AIR COND.  MTS INK.  AL.  MIES  T ITE  TOTIONI	/60	3F 8F	6	5.75	5	7 200
AL PHYSICAL VALUE \$ 37/80.	2 / \$ = 7			Н. В			AIR COND. HTS INK. AL RIES TITE -TOTI STIONS	/60	3F 8F	6	5.75		
	- X - X - X - X - X - X - X - X - X - X						AIR COND.  HTS  INK.  AL  RIES  T ITE  TOTA  BTIONIC  AL  AL RE	JGO	SF SF SF SF	6 6 8 0		• 57	1200
N. OR FUNCT DESCL. (NET) X	\$ / \$ a						AIR COND.  HTS  INK.  AL  RIES  T ITE  TOTA  BTIONIC  AL  AL RE	JGO	SF SF SF SF	6 6 8 0		* 57	1200

INCOME APPROACH ACTUAL ECONOMIC	COMMENTS
ANNUAL POTENTIAL GROSS LESS VAC. & CREDIT LOSS ANNUAL EFFECTIVE GROSS LESS EXPENSES ANNUAL NET INCOME	Cherron . 5/8/6// Station Removed
INT. RATE TAX RATE LAND RATE	
LAND VALUE LAND RATE NET INCOME TO BUILDING	
÷ BLD0 RATE:	
INT. MATE TAX MATE RECAPTURE MATE BUILDING MATE BUILDING VALUE	
PERBONAL PROP VALUE	¥ . 1 . 1 # . #
LAND VALUE	* previous walne 3000 "3: 212900
INDIC TOTAL PROPERTY VALUE	
INCOME APPROACH # 1 # 2	
3. COST APPROACH OR RCN 5255	23
A MAT ALL	
4. MKT #1: X GR033	
5. MKT # 2	
	- Land includes . O Cost & min 226
6. MKT 4 3: x + PER 90. FT.	
SELECTED VALUE LAND 1678	1200 Til Aland = 27879# @ #6 = 167200
APPRAISER ISBR BLO'S 525	500
DATE 5/9/84 TOTAL 2/97	4
2/77	
ALES	DATE LOCATION NOTES
PARCEL E # AMOUNT	LOCATION NOTES
BJECT	
OMP SMP	

INCOME APPROACH ACTUAL ECONOMIC	COMMENTS
ANNUAL POTENTIAL GROSS LESS VAC. & CREDIT LOSS ANNUAL EFFECTIVE GROSS LESS EXPENSES ANNUAL NET INCOME	Cherron . 5/86// Station Removed
NT RATE TAX RATE LAND RATE.	
LAND VALUE LAND RATE MET INCOME TO BUILDING	
+ BLDB MATE.  INT. RATE TAX MATE RECAPTURE MATE BUILDING MATE BUILDING VALUE	
BUILDING VALUE  LAND VALUE	* previous value 3 aced #5 = 212900
INDIC TOTAL PROPERTY VALUE  INCOME APPROACH #   # 2	
3. COST APPROACH OR RCN 52523	
4. MKT # 1	
6. MKT # 31 X PER 50. FT.	Total includes . 0 (cect & min 224
SELECTED VALUE: LAND 167200 APPRAISER   SISIR   BLO'S   52.500 DATE 5984 TOTAL 219700	4
	DATE LOCATION NOTES
UBJECT	
OMP	

		~ · · ·
	TAXPAYER'S CLAIM FOR REDUCTION OF ASSESSMENT ON DESTROYED REAL OR PERSONAL PROPERTY RCW 36.21.080, Chapter 84.70	\$ 86 MAY 05 WES
	NOTICE: This claim for reduction of assessments shall be filed wi Assessor, 708 King County Admin. Bldg., Seattle, WA 98104-2384, Pl	
	This is to notify you that I hereby claim relief under the provision and Ch. 84.70 RCW and petition for adjustment in the applicable as:  TAXPAYER Chevron I SA Juc Telephone  ADDRESS P.O. BOXTHII  SAN FRANCISCO CA 9417PARCEL NO. 403  Legal Description of Property: 11032304-9064-83	Home 15 - 874 - 4367 Work 12304 - 9044 - 85
, ();	Description of Property Destroyed Service Station  Were removed 12/31/84  Date of destruction 12/31/84 Cause Out of B  Date signed May 1, 1986 Taxpayer Characters	RusiNEES
1.	ASSESSOR'S USE ONLY	
A STATE OF THE STA	CLAIM Qualifies	
	Does not Qualify, Because,	
	noes not quarity, because,	
	DETERMINATION OF REDUCTION IN VALUE	
	1. Full market value of property prior to destruction	\$ 52.500
	2. Full market value of remaining property	1 0
	3. Total amount of loss	\$ 52500
	4. Amount of loss + 12	<u>\$ 4375</u>
	5. Number of months remaining in year from date of destruction	<u> </u>
	6. Amount of destruction	\$ 52500
	I hereby certify my determination of the amount of destruction for shown on line 6.  Deputy Assessor <u>twbell</u> 5/86	the year $85$ is as
	Mailing Date 5- 28-86	
	NOTICE TO TAXPAYER: If you disagree with the assessor's determinate filling in below and filing, within thirty (30) days of the mailing copy of this form with the King County Board of Appeals/Equalization Bldg., Seattle, Wa. 98104.	date indicated, a
1	I disagree with the assessor's determination and hereby request a of Appeals/Equalization. Amount of reduction according to my determinations (Attach your calculations)	
1	DateTaxpayer	
	21270 11 100 1000 2001 12 12 12 12 12 12 12 12 12 12 12 12 12	ZATION
100	The finance director shall make the necessary adjustments in the tax rolls to effectuate this order.	
1	Date Land	
Į.	Clerk of b.	d
~		~~

# **APPENDIX B**



### **APPENDIX C**

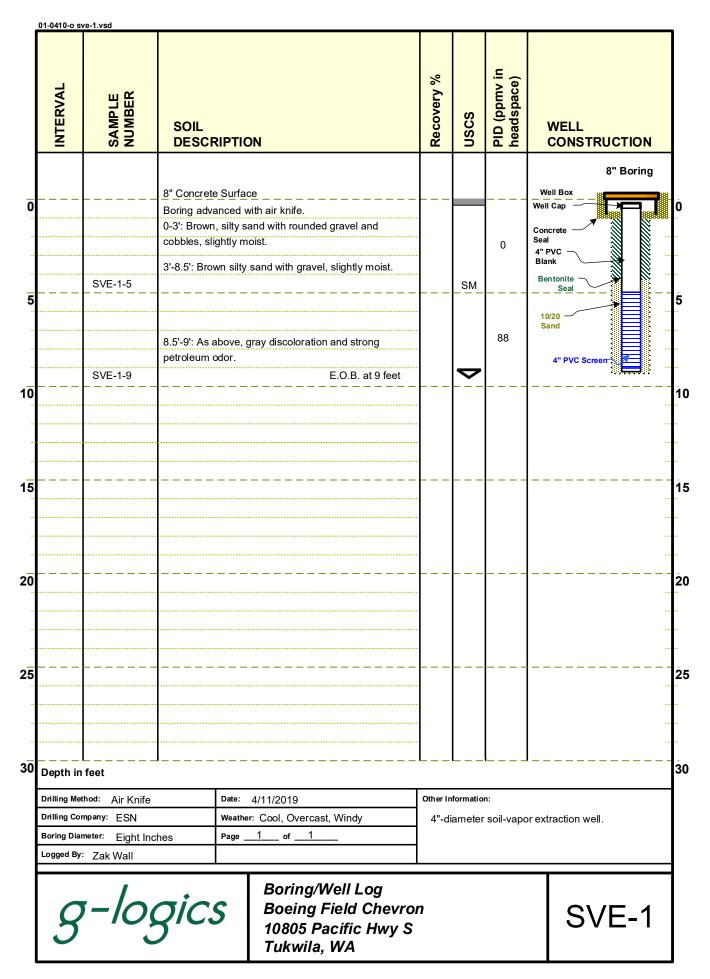
**Available on Compact Disk** 

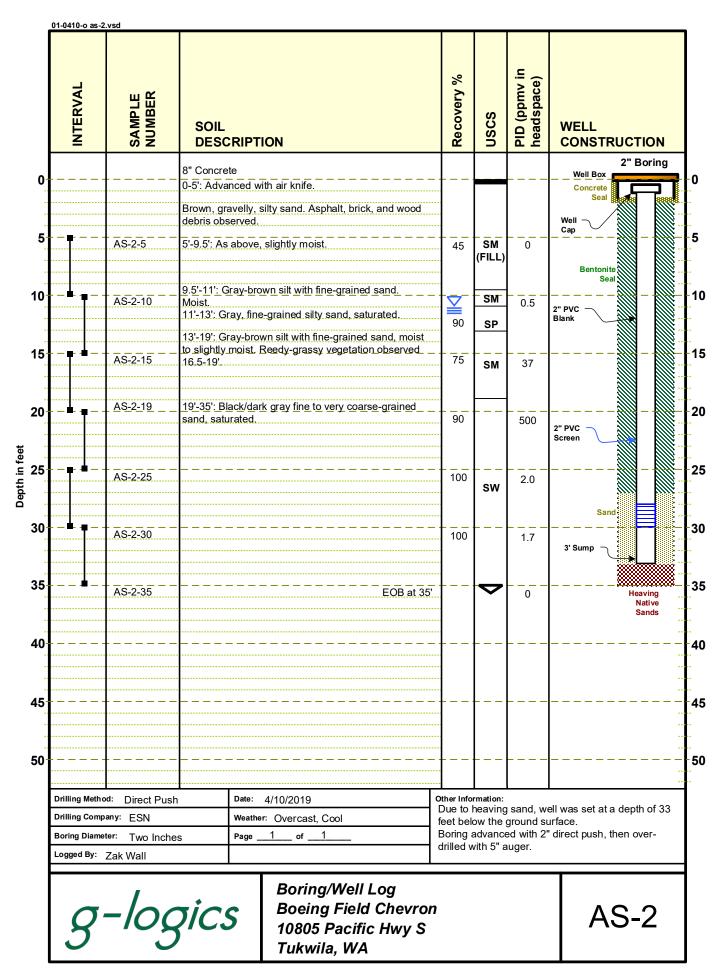
## **APPENDIX D**

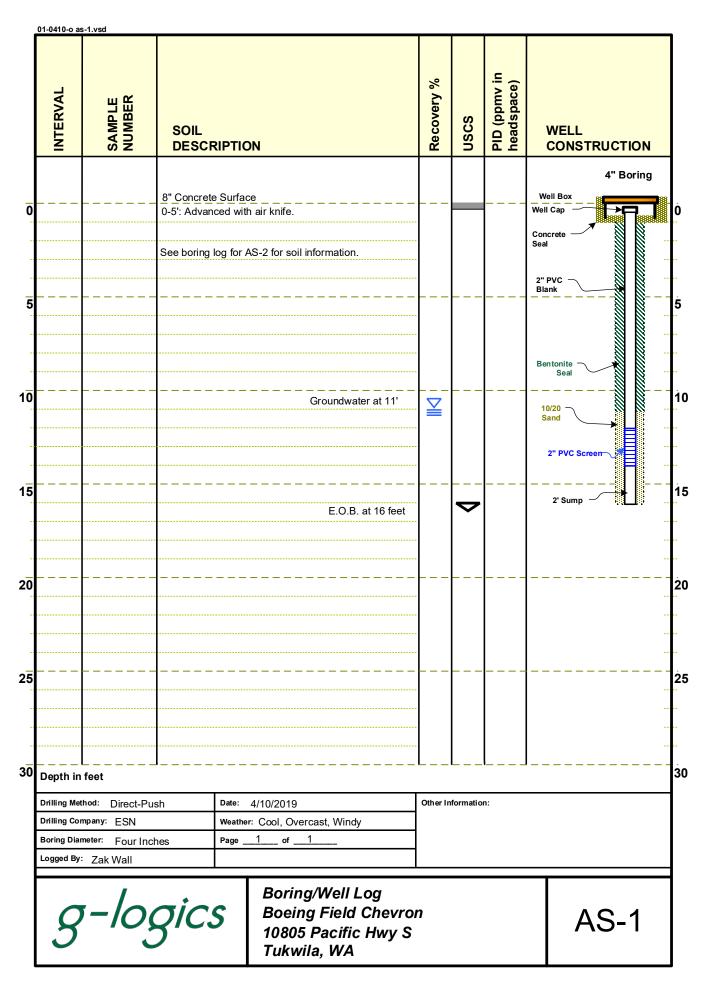
**Available on Compact Disk** 

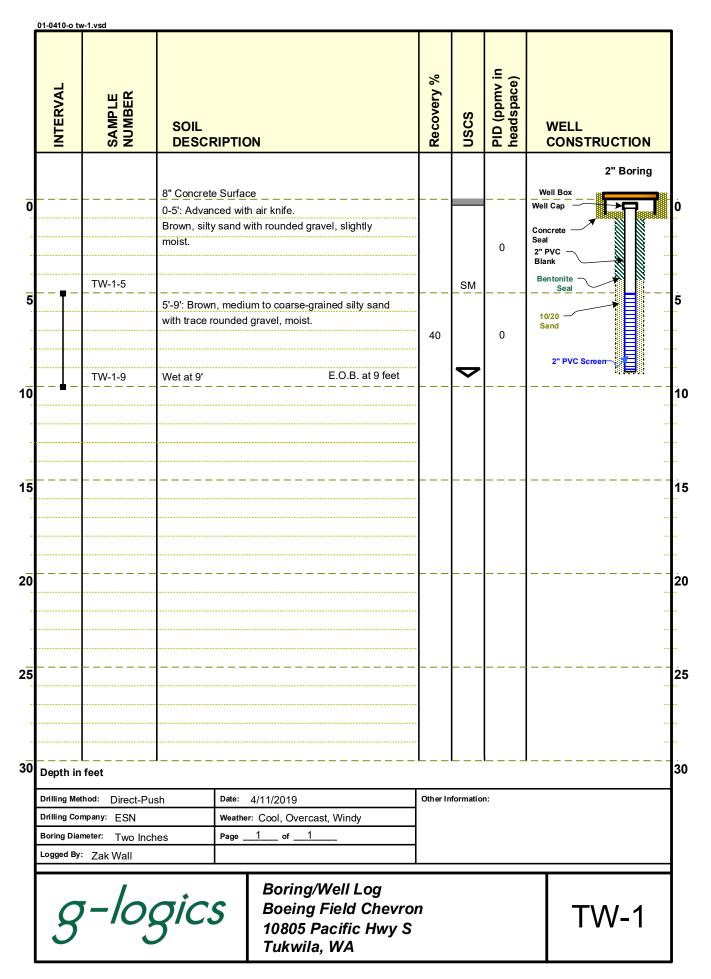
# **APPENDIX E**

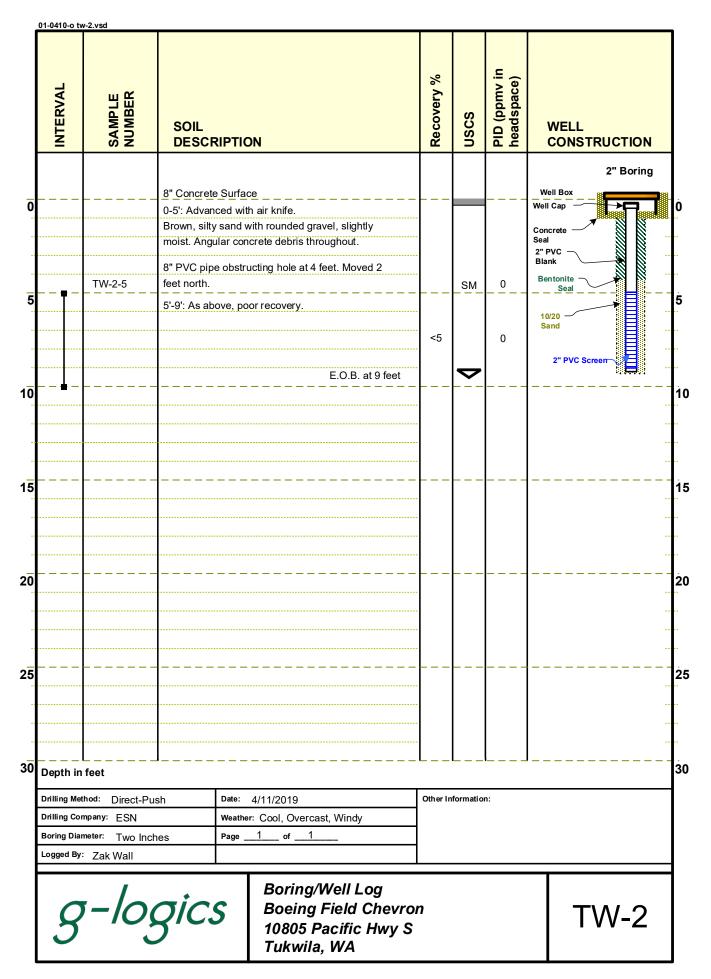
Unified Soil Classification System (USCS)				
PRIMARY DIVISIONS			SYMBOL	DESCRIPTIONS
COARSE GRAINED SOILS Sands & Gravels, Over 50% retained on #200 sieve	Over 50% of coarse material retained on #4 sieve	CLEAN GRAVEL	GW	Well graded gravel, many different particle sizes, little or no fines
		Less than 5% passing #200 sieve	GP	Poorly graded, few different particle sizes, little or no fines
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Over 50% of coarse material passed #4 sieve	CLEAN SANDS	SW	Well graded gravel, many different particle sizes, little or no fines
		Less than 5% passing #200 sieve	SP	Poorly graded, few different particle sizes, little or no fines
		SAND WITH FINES	SM	Silty gravels, gravel-sand-silt mixtures
			SC	Clayey gravels, gravel-sand-clay mixtures
FINE GRAINED SOILS	SILTS AND CLAYS		ML	Inorganic silts, slight to no plasticity
Silts & Clays, Over 50% passing the #200 sieve	Liquid limit is less than 50 %		CL	Inorganic clays, low to moderate plasticity
			OL	Organic silts and clays of low plasticity
	SILTS AND CLAYS		МН	Inorganic silts, moderate to high plasticity
	Liquid limit is more than 50 %		СН	Inorganic clays, high plasticity, fat clays
			ОН	Organic silts and clays of high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils
<u>Soil Sar</u>	<u>mples</u>			Field Measurements
Disturbed, bag, bulk, or grab sample			ightrightarrow	Water Level Observed During Drilling
			PID	Photoionization Detector
Standard penetration split spoon sample			ppmv	Parts Per Million by Volume
Cuttings			ightharpoons	End of Boring (E.O.B)
Continuous-Core Sample			<u>Note:</u> Blows per foot is the number of blows used to drive a split-spoon (2" OD) sampler through the last 12 inches of an 18-inch sampling attempt. One blow is a 30-inch fall of a 140-pound hammer.	
ExplorationLogLegend.pub			Note: The line separating strata on the logs represents approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of the strata between exploration locations. Logs represent the soil section observed at the exploration location on the date of exploration only.	
g-logics Exploration				oration Log Legend

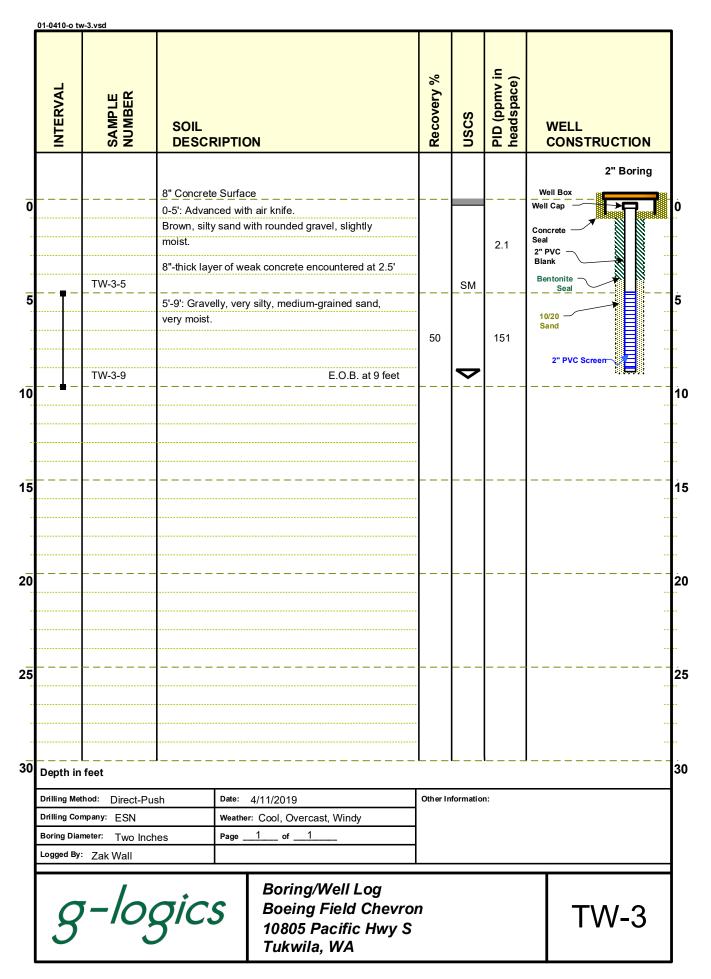


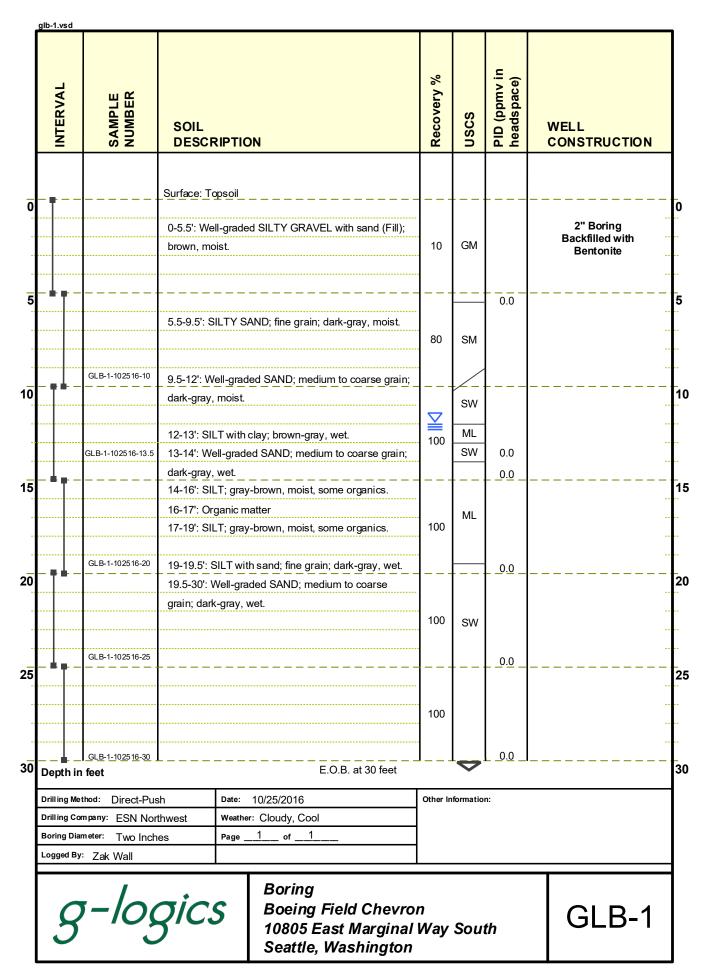


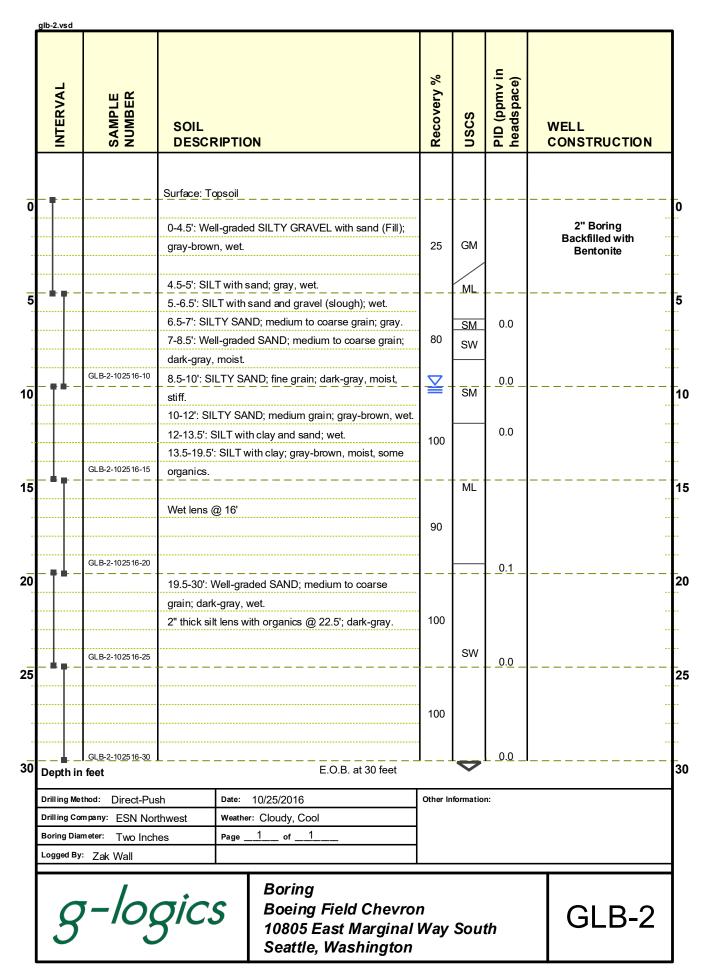




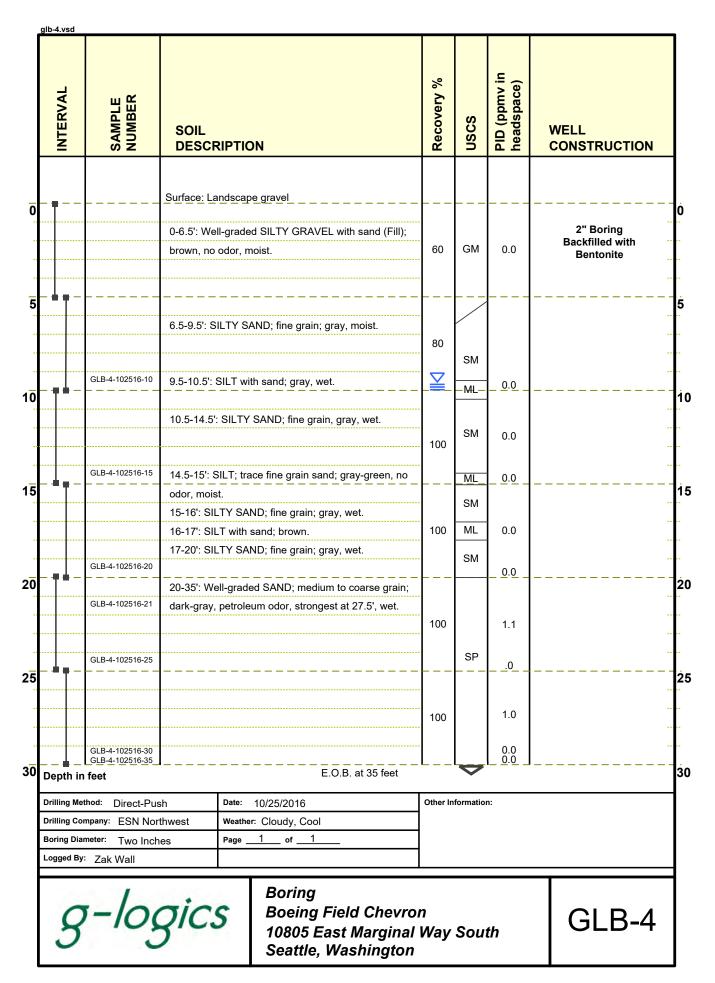




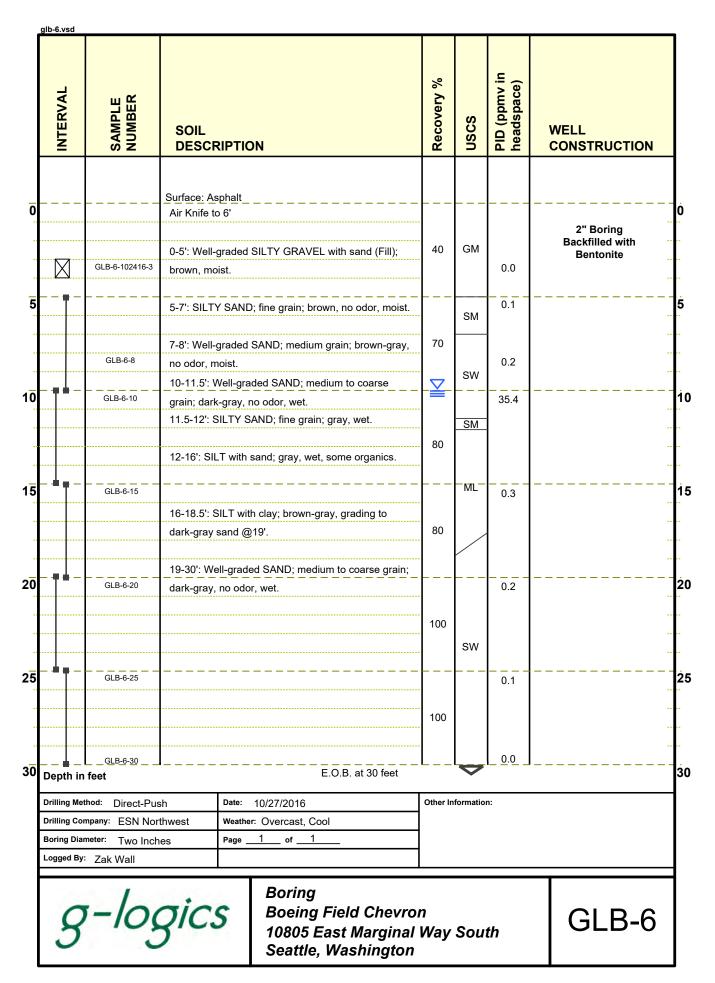


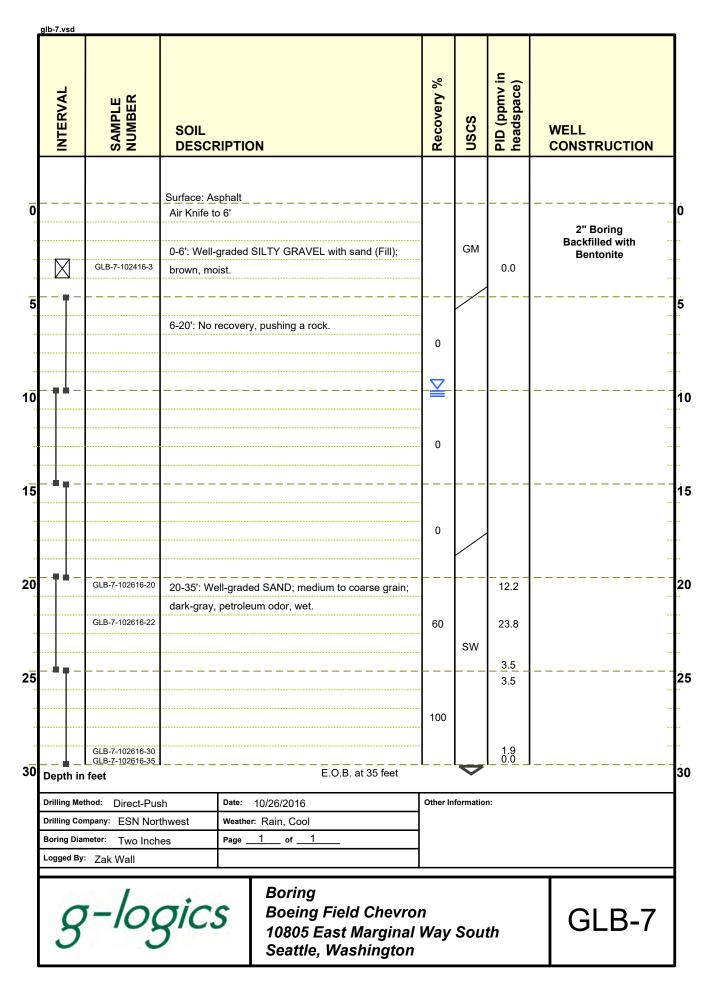


	glb-3.vsd										 	
	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIC	<b>DN</b>			Recovery %	nscs	PID (ppmv in headspace)	ELL ONSTRUCTION	
												1
0			<u>Surface:</u> L	andscap	e gravel						 	Ö
			0-6': Well- brown, m			VEL with sar	nd (Fill);	20	GM		2" Boring Backfilled with Bentonite	
5										_ 0.0	 	5
			6-8.5': SII	LT with s	sand; gray, v	wet.		60	ML			
			8.5-12.5':	SILTY S	SAND; medi	um to coarse	grain;					1
10		GLB-3-20161025-10	dark-gray	, wet.					SM	_ 0.0	 	10
												1"
			12.5-15':	SILT; tra	ice sand; gr	ay, moist, fev	v organics.	100		0.0		
		GLB-3-20161025-15	Wet lens	@ 14-14	l.5"					0.0		
15					e sand; gray	/-brown, no o	dor, moist,		ML		 	15
			some org	anics.				80				
-		GLB-3-20161025-20										
20	- ♥ ┷ -		19-20': W 		ed SAND; m	nedium to coa	arse grain; 			_ 0.4	 	20
						nedium to coa	arse grain;	100		2.1		
			dark-gray	, petrole	um odor, w	et.		100				
2 <u>-</u>	_ # # _	GLB-3-20161025-25							SW 	_ 3.4	 	1
25					ed SAND; m	nedium to coa odor, wet.	arse grain;					25
								100				
		GLB-3-20161025-30 GLB-3-20161025-35	30-35': Sa	ame as a	above, no pe	etroleum odo	r.			0.3 0.0		
30	Depth in					E.O.B. at	35 feet		$\Diamond$	•.•	 	30
	Drilling Met				10/25/2016			Other In	formatio	n:		1
	Boring Dia	meter: Two Inch		Page _	r: Cloudy, C 1 of							
	Logged By	: Zak Wall										4
	3	1-109	zic.	5	1080	ng ng Field 5 East M le, Wash	arginal		Sou	th	GLB-3	

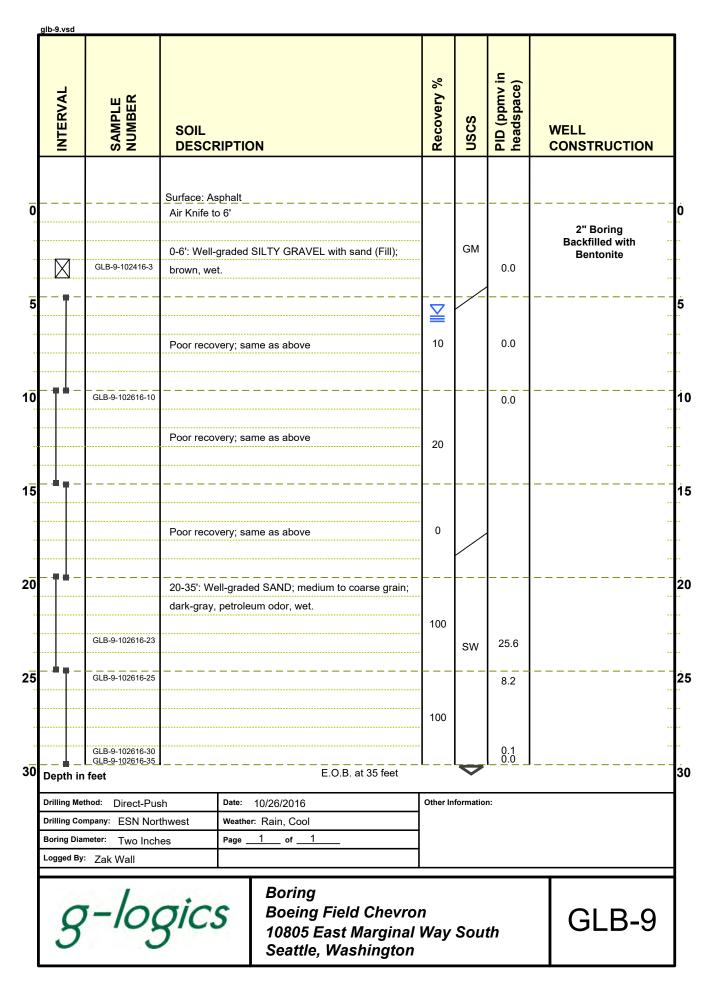


_	glb-5.vsd										
	INTERVAL	SAMPLE NUMBER	SOIL DESC	RIPTIC	<b>DN</b>		Recovery %	nscs	PID (ppmv in headspace)	WELL CONSTRUCTION	
0				o 6' -graded :	SILTY GRAVEL wi	th sand (Fill);	40	GM		2" Boring Backfilled with Bentonite	0
	X.	GLB-5-102416-3	brown, no	odor, m	oist.				0.0		
5			5-8': SILT	Y SAND	); fine grain; brown	, no odor, moist.		SM	0.1		5
			8-9': Well	-graded	SAND; medium gr	ain; brown to	80	SW	0.1		
10		GLB-5-9	dark-gray		 ND; fine grain; gray		<u> </u>		_ 0.1		_ T
			10-13.31	LITOAI	vD, lille graili, gray	-brown, wet.		SM			
-		GLB-5-12	13-14.5':	SILT; gra	ay-brown, moist, so	ome organics.	90		0.2		
1 <u>-</u>	_ 🗖 🖶 —	GLB-5-15			sand; wet. —————————— h clay; brown-gray			 	 0.2		_   15
			organics.	OILT WIG	ii day, blowii giay	, molet, dome		IVIL			
			18.5-25':	Well-gra	ded SAND; mediu	m to coarse	. 80		0.2		
<u>.</u>			grain; dar				· 	L			_
20		GLB-5-20						sw	0.2		20
							100				
		GLB-5-25							0.2		
25					E.C	).B. at 25 feet		$\triangleright$			25
30	 Depth ir	feet	]				L	L	LJ		30
	Drilling Me	thod: Direct-Pus	sh	Date:	10/27/2016		Other In	formatio	n:		$\dashv$
	Drilling Co Boring Dia	mpany: ESN Nor		Weather	r: Overcast, Cool						
		meter: Two Inch : Zak Wall	ies	rage _	01	_					
		- /			Boring						$\dashv$
	3	1-109	gic.	S	Boeing Fi 10805 Eas	eld Chevro st Marginal /ashington		Sou	th	GLB-5	

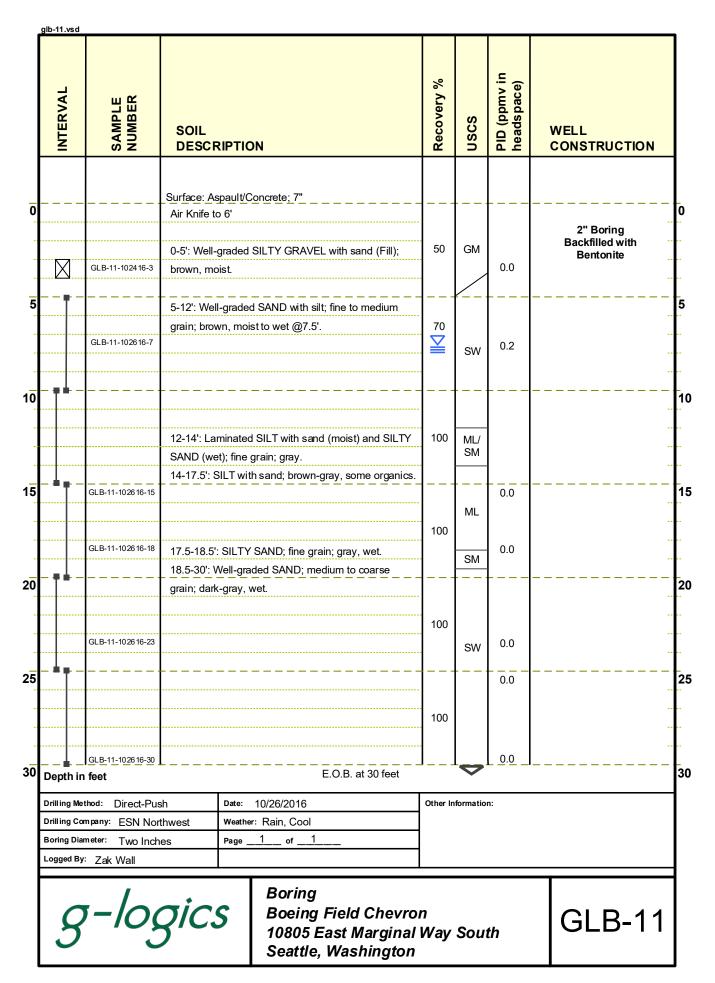




_	glb-8.vsd											_
	INTERVAL	SAMPLE NUMBER	SOIL DESCRI	PTION			Recovery %	nscs	PID (ppmv in headspace)	WE	ELL INSTRUCTION	
												7
0			Surface: Cor Air Knife to	6'				GM		 E	2" Boring	0
-	X	GLB-8-20161021-3	0-4.5': Well- brown, mois		TY GRAVEL with	n sand (Fill);		OW	0.0		Bentonite	
					l; brown, moist.			 _ML_				<u>.</u>
5		GLB-8-20161021-6	5 5-10'· SII '	TV SAND: H	orown, moist.				0.0			5
-			3.3-10 . GIL	TT OAIND, D	nown, moist.		50					
			10-13': SILT	Y SAND; m	ıedium grain; da	rk-gray, wet.		SM				1
10							- <u>\</u> _					10
		GLB-8-20161024-11							0.1			
-			40.401.011.7				90					
-			organics.	with sand;	brown, moist, so	ome wood and						
15	- # -	GLB-8-20161024-15						ML	0.0			15
-							90					
-		GLB-8-20161024-18	18-19': SILT	Y SAND; gı	ray.		90	SM	0.1			
_					<del></del>							1.
20					ND; medium to	coarse grain;						20
-			dark-gray, w	vet.			100	SW				
25	_ 🕯	GLB-8-20161024-25							_ 0.0			25
23					E.O.B.	at 25 feet		ľ				- 123
-												
30	 Depth in	L ı feet	<b> </b>				L	L				30
ŀ	Drilling Me		sh I	Date: 10/24	I/2016		Other In	formatio	n:			-
ı	Drilling Co	mpany: ESN Nor			ercast, Cool							
ŀ	Boring Dia		es	Page1	_ of1							
ŀ	Logged By	: Zak Wall										Ⅎ
	3	1-log	zics	B   10	oring oeing Fiel 0805 East eattle, Wa	Marginal		Sou	th		GLB-8	



_	glb-10.vsd										_
	INTERVAL	SAMPLE NUMBER	SOIL DESCF	RIPTIC	<b>DN</b>		Recovery %	nscs	PID (ppmv in headspace)	WELL CONSTRUCTION	
ı											1
0		GLB-10-20161021-3	Surface: Co Air Knife to 0-6': Well- brown, mo	o 6' graded	7" SILTY GRAVEL with sand (Fill)	;		GM	0.0	2" Boring Backfilled with Bentonite	0
5			 6-7': Well-	 graded	SAND with silt; medium to coars	 se	 <b>∑</b>				5
			grain; bro					SW	0.0		ļ.
-				ell-grad	n-gray, moist. ed SAND; medium to coarse gra	ain;		ML			-
10					ded SAND; medium grain; brow	 'n,		sw	0.0		10
-		GLB-10-20161024-12	12.5-14.5'	: SILT; ç	gray, no odor, moist.			ML	0.0		
_	_ = = _		14.5-15': 8	SILTY S	AND; dark-gray, wet.			SM			1
15	T		15-18': SIL some woo		n-gray, slight petroleum odor, n	noist,		ML			15
			18-25': We	ell-grade	ed SAND; medium to coarse gra	nin;					Ī
20		GLB-10-20161024-20	dark-gray,	slight p	etroleum odor @20', wet.				5.8		20
		GLB-10-20161024-25						SW	0.0		
25					ed SAND; medium to coarse gra , no odor, wet.	 nin;					25
-		GLB-10-20161024-30							0.0		
30	Depth in	feet			E.O.B. at 30 feet	t		$\triangle$			30
	Drilling Met			Date:	10/24/2016	<u> </u>	Other In	formatio	n:		
ł	Drilling Cor Boring Diar	mpany: ESN Nort			r: Partly Cloudy, Cool	$\dashv$					
ļ		: Zak Wall	- <del>-</del>								
	3	-log	zic.	S	Boring Boeing Field Chev 10805 East Margir Seattle, Washingt	nal V		Sou	th	GLB-10	



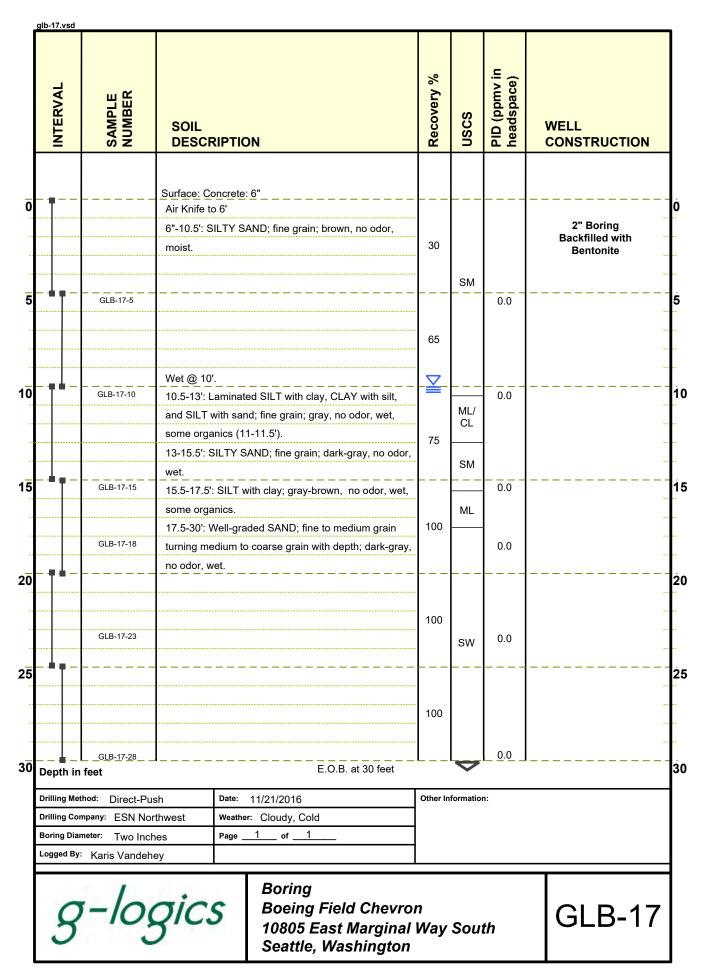
	glb-12.vsd												_
	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIO	N			Recovery %	nscs	PID (ppmv in headspace)	WELL CONS	TRUCTION	
													1
0			Surface: C Air Knife t 4"-3': SAN	o 6'	4"oncrete deb	oris.					Bacl	Boring	0
-	X	GLB-12-20161021-3	3-4.5': GR	AVELY S	SAND with	silt; gray, mo	ist.			0.0	В	entonite	1
5	_ \		4.5': PEA						-GP-			. – – – – –	Ţ
		GLB-12-20161021-6	5.5': Wood 6-8': SILT			is; slight petr	oleum odor.	25	ML	0.0			5
						se grain; glob	es of silt:		SM				
1 <u>0</u>		GLB-12-20161024-10	gray, petro		lor.  ID; fine grai			<u></u>		9.5 — — — —			110
-			10-14.01	LITOAN		iii, wet.		90	SM				
		GLB-12-20161024-14	44.401.01							0.3			-
15	_ # # _		wood.	LI WITH S	and; brown	-gray, odor, r	noist, some		 ML			- <b></b>	18
								100					
		GLB-12-20161024-18	18-30': W	ell-grade	d SAND; m	edium to coa	rse grain;			0.2			
20	- 7 -		_dark-gray	no odor	, wet. 								20
								0	SW				
		GLB-12-20161024-25							344	0.1			
25													2
								100					
		DI D 40 00404004 00				E.O.B. at	30 foot						
30		GLB-12-20161024-30 I <b>feet</b>	1				30 leet	L	$\nabla$	_ 0.0			30
	Drilling Me	thod: Direct-Pus	sh	Date:	10/24/2016			Other In	formatio	n:			1
		mpany: ESN Nor			Overcast,								
	Boring Dia	meter: Two Inch : Zak Wall	ies	Page	of	<u> </u>							
				<del>'                                    </del>	- ·								7
	3	1-109	gic.	5	10805	g ig Field ( 5 East Ma le, Wash	arginal		Sou	th	G	LB-12	

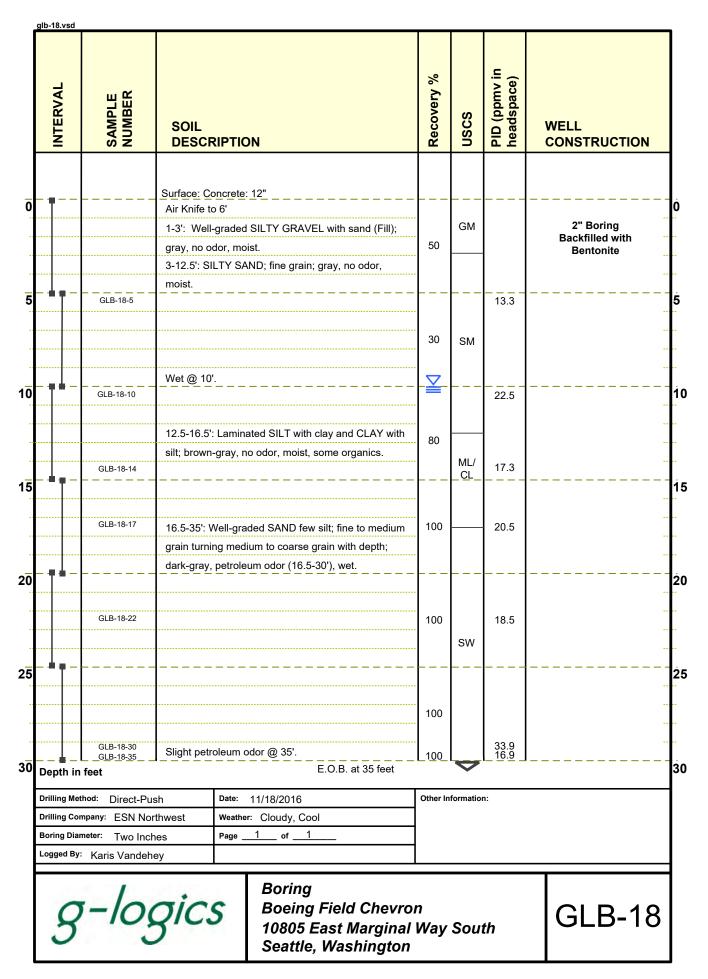
	INTERVAL	SAMPLE NUMBER	SOIL DESCF	RIPTION	N			Recovery %	nscs	PID (ppmv in headspace)	WELL CONSTR	UCTION	
ľ													1
0				o 3' ular GRA\	/EL with sa	nd (Fill); me	dium		GW		 2" Bo		0
1	X	GLB-13-20161021-3	3-3.5': SIL	T; few sa		ebris. ; brown, no	odor,		ML	0.0	Bento	onite	
5		GLB-13-20161021-6	moist.							0.0			5
I			7-12': SIL <sup>-</sup> to wet @1		; medium gı	rain; brown-	gray, moist	75	SM	0.0			
10	- = 4 -							- <u>\</u>		_ 0.0 _	 		10
		GLB-13-102516-11			rown, mois ID ; fine gra	t, some orga in; wet.	anics.	100		0.1			
15		GLB-13-102516-15	16-17.5': S	SILTY with	n sand; gray	<u>/,</u> no odor, w	/et. 		_ML_	 0.3	 		15
			17.5-30': \ grain; dark			nedium to co	oarse	100		0.2			
20	- 74-	GLB-13-102516-20								 0.1	 		20
								100	SW				
25	_ # # _	GLB-13-102516-25								0.0	 		25
-								100					
30	■ _ Depth in	GLB-13-102516-30 feet				<u>E.O.B.</u> at	30 feet	L	$\nabla$	<u>0</u> .0_	 		30
ŀ	Drilling Me	thod: Direct-Pus	sh	Date: 1	0/25/2016			Other In	formatio	n:			1
		mpany: ESN Nor			Overcast, 0	Cool							
ŀ	Boring Dia	meter: Two Inch : Zak Wall	es	Page	1 of	1							
ŀ		1-109	zic.	5	10805	g Field	Chevror arginal \		Sour	th	GL	B-13	=

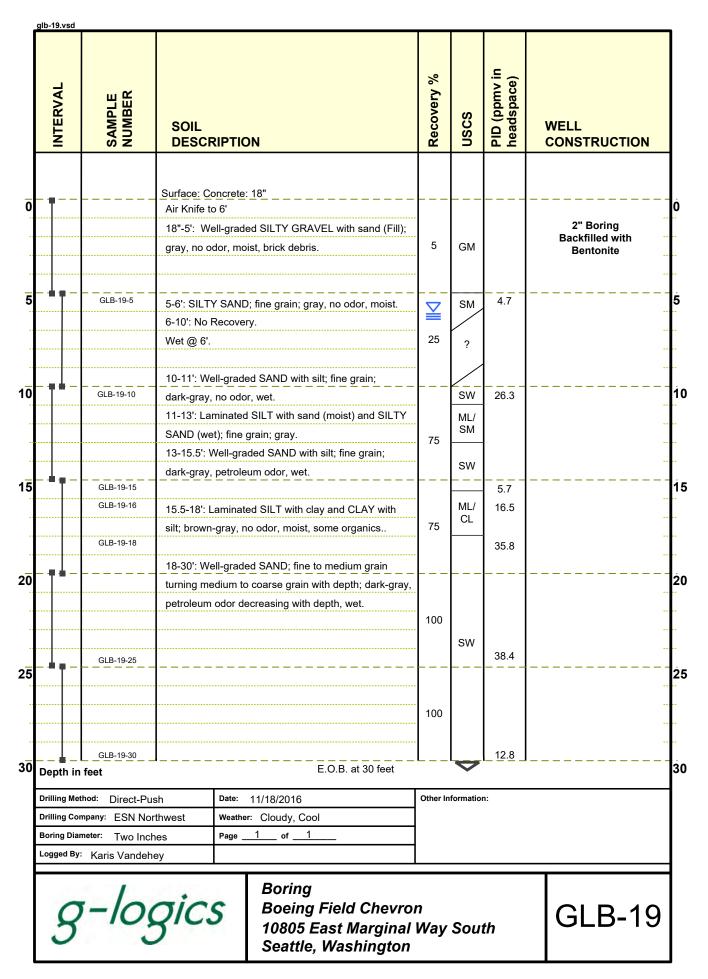
	glb-14.vsd										
	INTERVAL	SAMPLE NUMBER	SOIL DESCE	RIPTIC	o <b>n</b>		Recovery %	nscs	PID (ppmv in headspace)	WELL CONSTRUC	CTION
0			Surface: Co Air Knife to 6"-2.5': Ar	o 6'		obbles and sand (Fi		GW		2" Borin Backfilled v	o o o
-	X	GLB-14-20161024-3	2.5-10': SI no odor, n		ND; fine to me	dium grain; brown,			0.0	Bentonit	e <u>.</u> .
5	N N	GLB-14-20161024-6							0.0		5
-							75	SM			
45	- = = -	GLB-14-20161024-10					 <u>_</u>	<u> </u>	0.0		.ا را
10		GLB-14-20161024-	10-12.5': \$	SILTY S	AND; medium	to coarse grain; we	t				1
-		12.5	12.5-14.5'	: SILT w	ith sand; gray	-brown, moist.	100		0.0		
15			14.5-17': \$	SILT with	n sand; gray, n	noist.	 -	ML_			- <del> </del> - 11
									]		
-		GLB-14-20161024-17	17-35': We	ell-grade	ed SAND; med	ium to coarse grain	100		250		
20	- 7 4 -		dark-gray,	strong	petroleum odo	r 17-20', slight odor					خ
20			at 21' (ded	reasing	with depth), w	et.					2
		GLB-14-20161024-22					90	<sub>6\\\</sub>	2.8		
-								SW			
25		GLB-14-20161024-25							0.0		2
							60				
		DI D 44 20464024 20				E.O.B. at 35 feet					
30		GLB-14-20161024-30 feet				L.O.D. at 33 leet			0.0		·3
Ì	Drilling Met	thod: Direct-Pus	sh	Date:	10/24/2016		Other	Informatio	n:		
ŀ		mpany: ESN Nor			· Overcast, Co	ool	4				
ł	Boring Dia	meter: Two Inch : Zak Wall	es	Page _	_1 of1		$\dashv$				
ŀ					D ='		•				==
	3	1-109	zic.	5	10805 E	Field Chevr East Margina , Washingto	ıl Way	/ Sou	th	GLB	-14

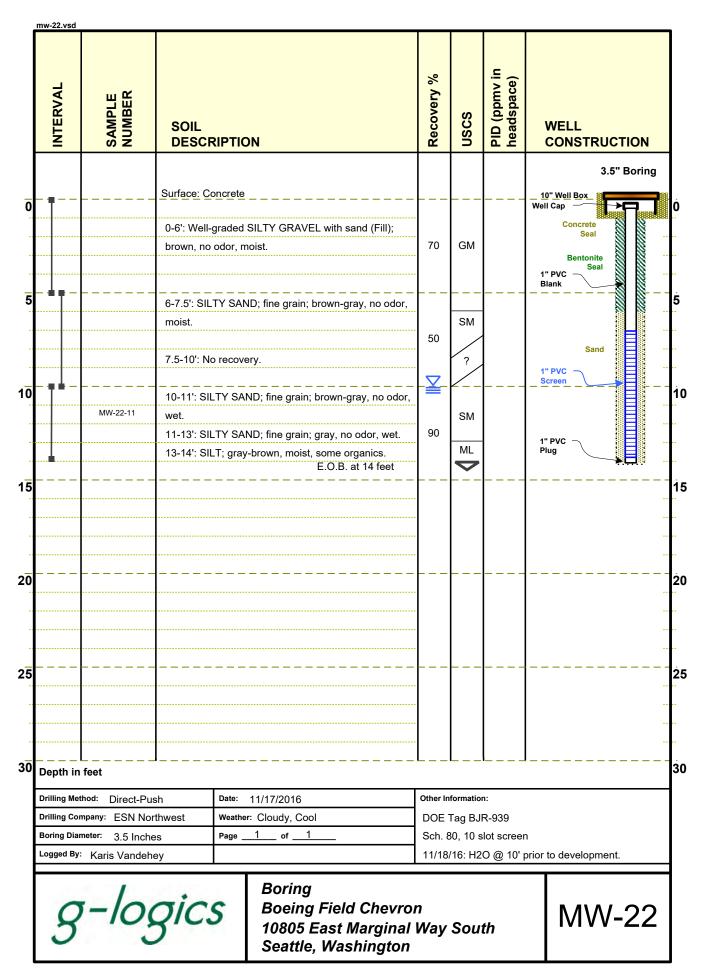
INTERVAL		SOIL DESCR	IPTION		Recovery %	nscs	PID (ppmv in headspace)	WELL CONSTRUCTION	
									1
0		Surface: Co Air Knife to 8"-2': Well- (Fill).		AND with cobbles	 60	sw		2" Boring Backfilled with	o
5	GLB-14-20161024-E	2-9': SILTY sand; brow	SAND with gravel; firn, no odor, moist.	ne to medium grain				Bentonite	
	GLD-14-20101024-C				80	SM	0.0		
0	GLB-15-20161024-9	9-12. VVeii-	graded SAND; fine to		<u></u>	SW	25 		10
	GLB-15-20161024-1	<sup>2</sup> 12-14': SIL <sup>-</sup>	Г with sand; gray, we		100	ML	7.8		
5		dark-gray, v	I-graded SAND; fine tweet.  T with clay and sand;			_SW_ ML	30	·	14
	GLB-15-20161024-1	<sup>3</sup> 18-30': Wel dark-gray, v	l-graded SAND; medi	um to coarse grain;	100	IVIL	68.7		
0	-				100	SW	21.0		20
5	GLB-15-20161024-2	5					3.1		2
	GLB-15-20161024-3			E.O.B. at 30 feet	100		0.1		
0 Dept	th in feet	<b></b>				$\nabla$			30
Drilling Boring	g Method: Direct-Pu g Company: ESN No g Diameter: Two Inc ed By: Zak Wall	rthwest	Date: 10/24/2016  Weather: Overcast, Co Page1 of1	ool	Other In	formatio	n:		
	9-109	gics	Boring Boeing 10805 E Seattle,	Field Chevror East Marginal V		Sou	th	GLB-15	1

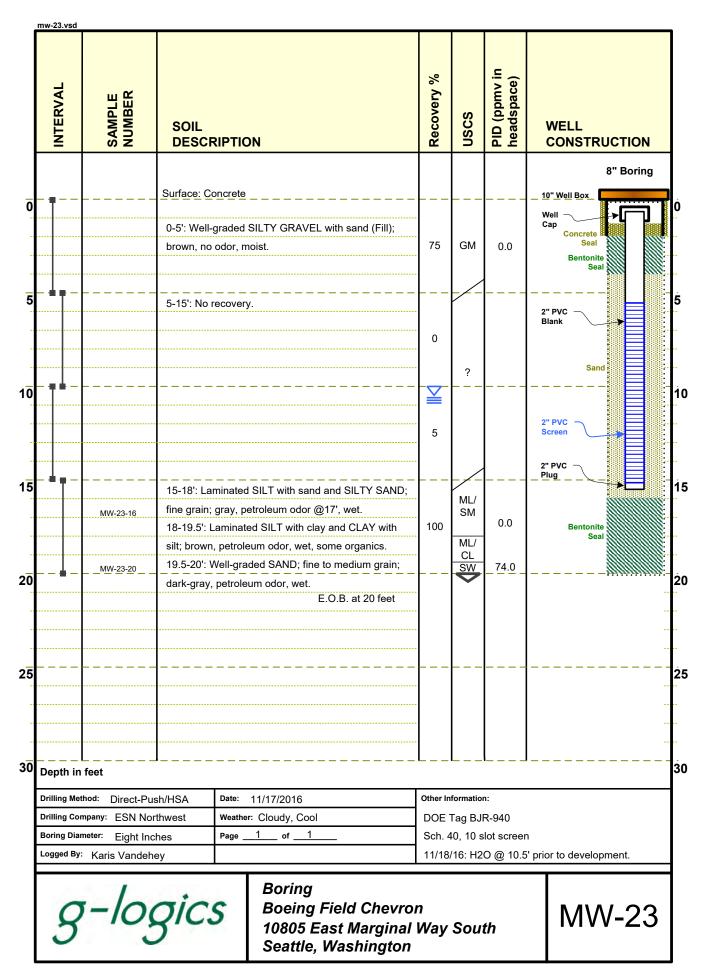
	INTERVAL	SAMPLE NUMBER	SOIL DESCF	RIPTIC	)N			Recovery %	nscs	PID (ppmv in headspace)	WELL CONSTRUCTION	
0			Surface: As								2" Boring Backfilled with	0
1	$\boxtimes$	GLB-16-20161024-3								0.0	Bentonite	
5		GLB-16-20161024-6 GLB-16-20161024-9	5-12': SIL <sup>-</sup> odor, mois			dium grain; brown,	no	80	 SM	0.0		5
10												11
		GLB-16-20161024-12	13.5-14.5'	SILTY	SAND; fine g	orange(oxidized), r Irain; gray, wet. dark-gray, wet.	noist.	100	ML SM SP	0.0		
15		GLB-16-20161024-16 GLB-FD-20161024-1	odor, mois	t, some Vell-gra	wood. ded SAND; n	n, slight petroleum		100	ML	17.2	· ·	1
20	- = 4 - '	GLB_16-20161024-20	grain; dark	(-gray, v	vet			90	SW			2
25		GLB-16-20161024-25				E.O.B. at 25 feet			ightharpoons	_ 0.0		2
30	-	feet										3
ŀ	Boring Dia	mpany: ESN Nort	thwest	Date: Weather	10/24/2016 :: Overcast, (	Cool 1		Other In	formatio	n:		
	3	1-log	zic.	S	10805	g Field Chev East Margir e, Washingto	nal I		Sou	th	GLB-16	

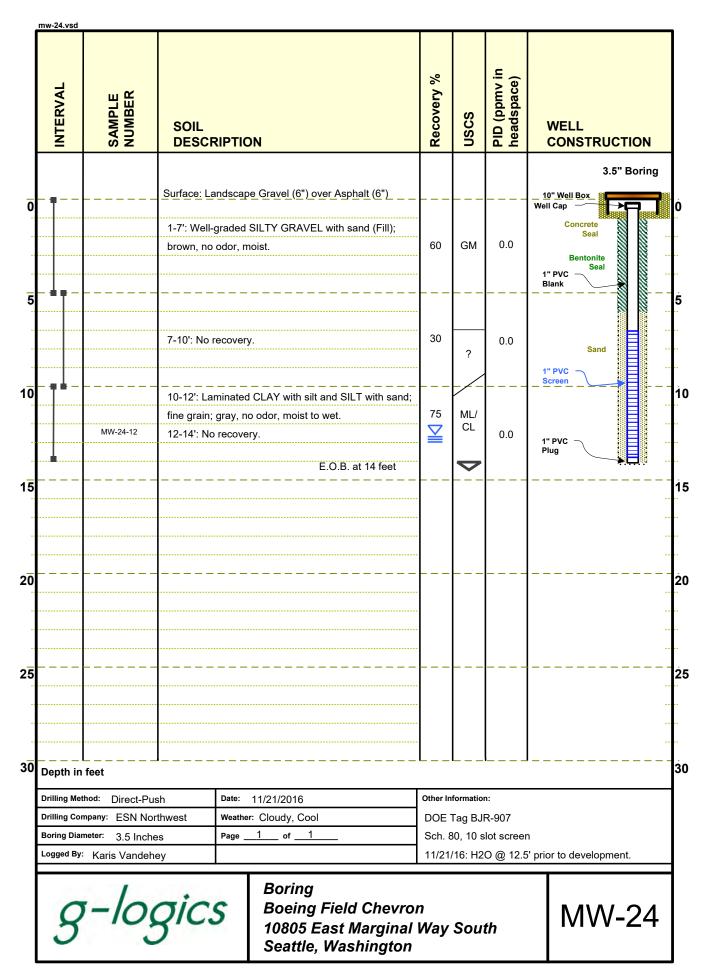














PROJECT/PROJECT NO: LOGGED BY: DRILLING DATE: **Boeing Field Chevron** ΖW 1/11/2018 DRILLING CONTRACTOR: BORING DIAMETER: WEATHER: ESN / Bravo 2" Rain DRILLING METHOD: TOTAL DEPTH: DEPTH TO WATER: 25' **Direct Push** 10'

BORING/WELL ID:

**MW-24D** 

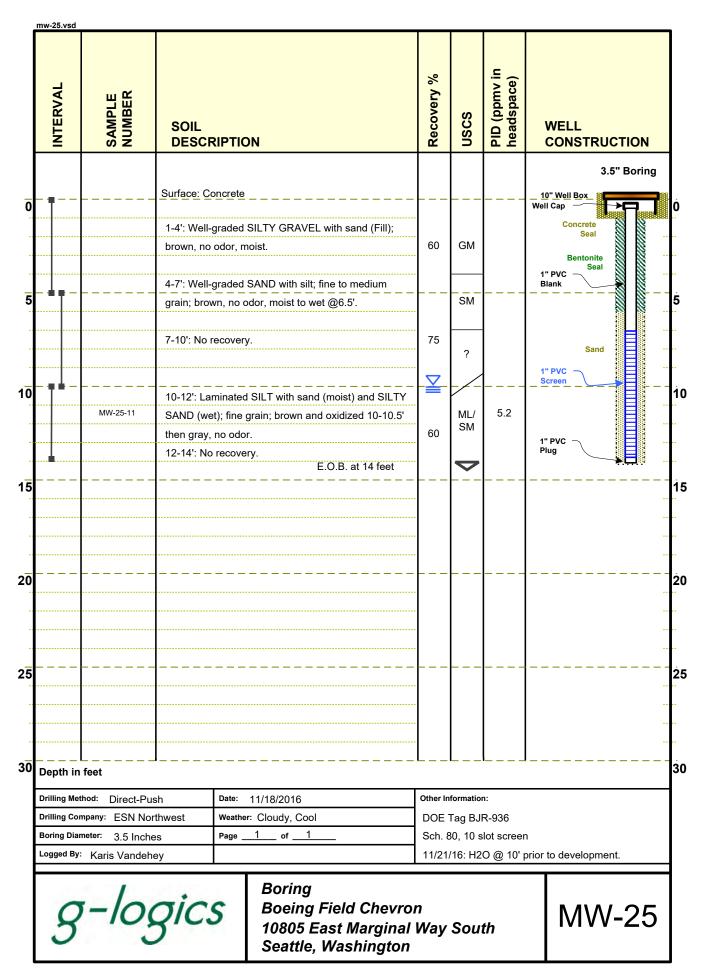
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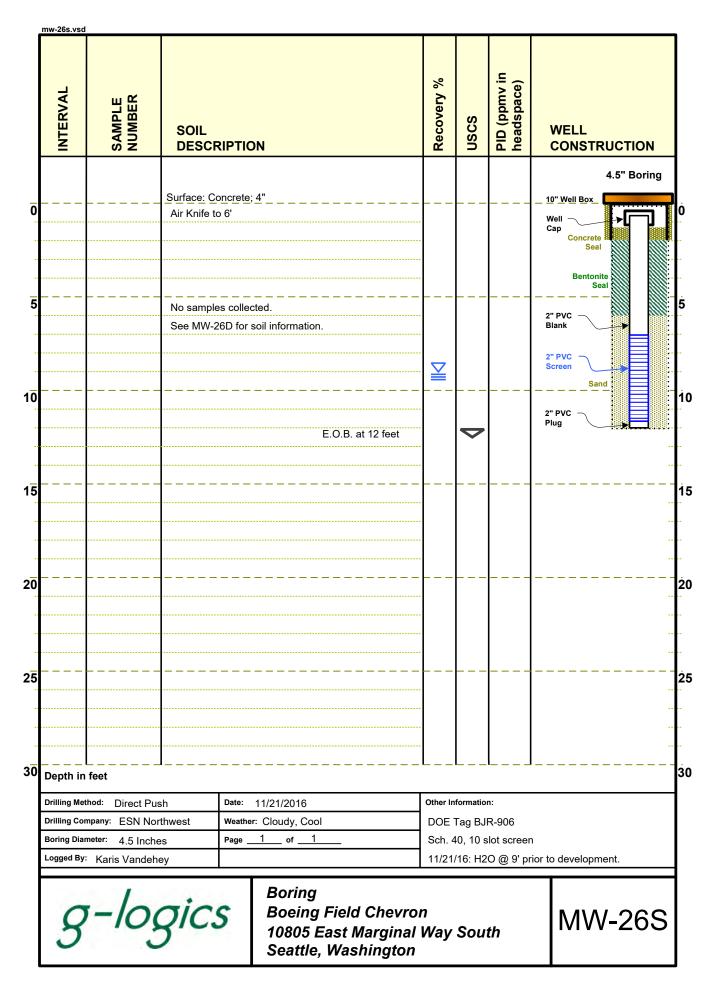
Tukwila, Washington

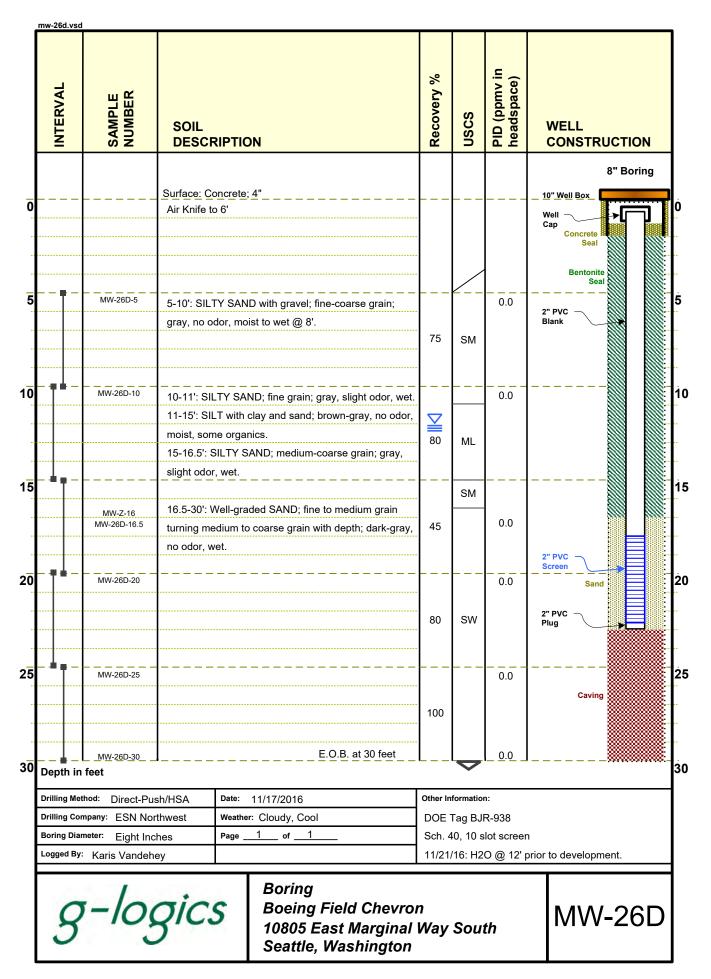
NOTES:

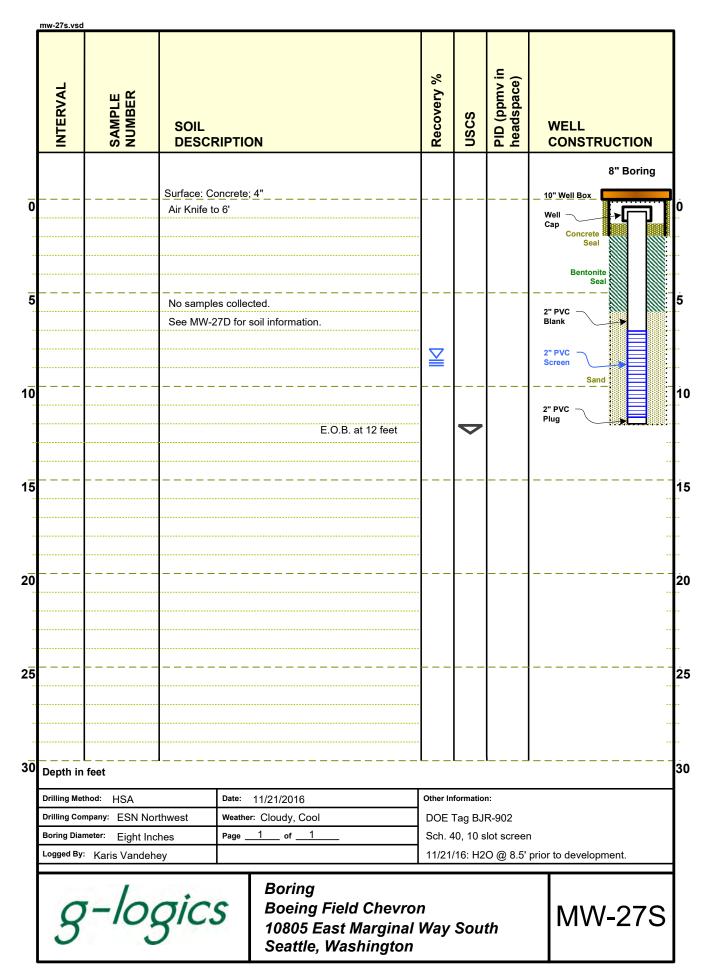
PID baseliine between 10 and 13

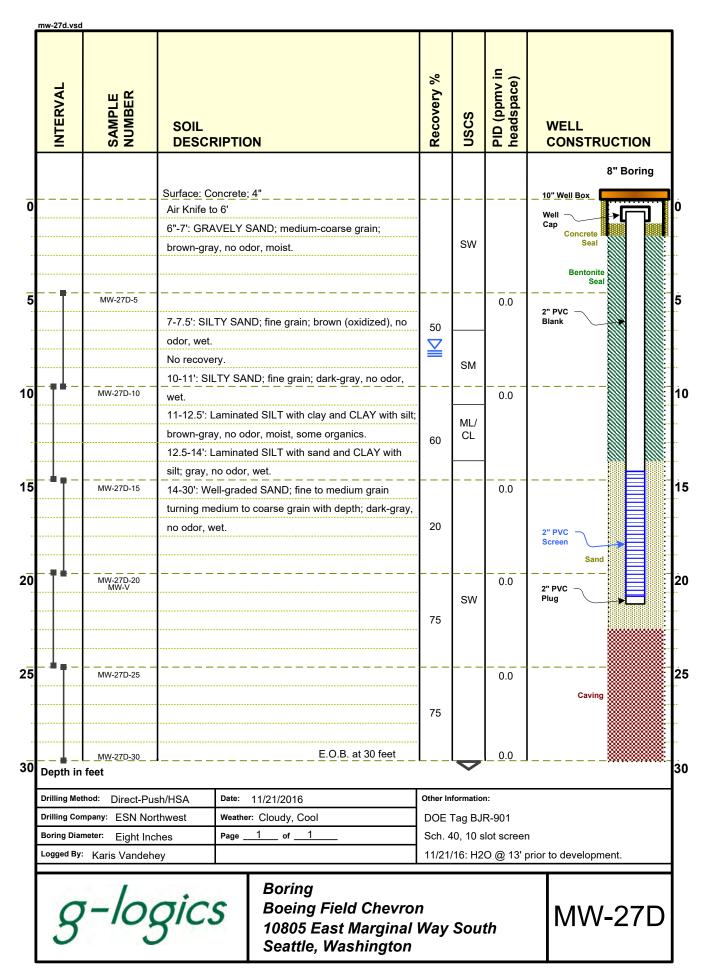
Depth (feet)	Description	nscs	Interval and % Recovery	# Blows	PID	Sample ID	We	II Construction
0 5 -	SILTY SAND with gravel, medium grained.		50	**	10			O Flush mounted 8" cover Concrete Seal -
10 -	SILTY SAND, very fine grained, dark gray, moist to wet.	SM	25		12	MW-24D-10'		- <sub>10</sub> <b>V</b>
15 - -	CLAYEY SILT wilth fine sand, dark gray-green, moist.	ML	80		10			1" PVC Blank - 15 Bentonite Seal
20 -	SILTY SAND, very fine grained, dark gray-green, wet.	SM			13	MW-24D-20'		-20 Sand Pack
- 25 -	SAND, medium to coarse grained, black, wet, slight petroleum odor.	SW	100		27	MW-24D-25'		- 1" O.D. Well Screen - 25
_								Boring Terminated at 25 ft -
30			30 of 93					30

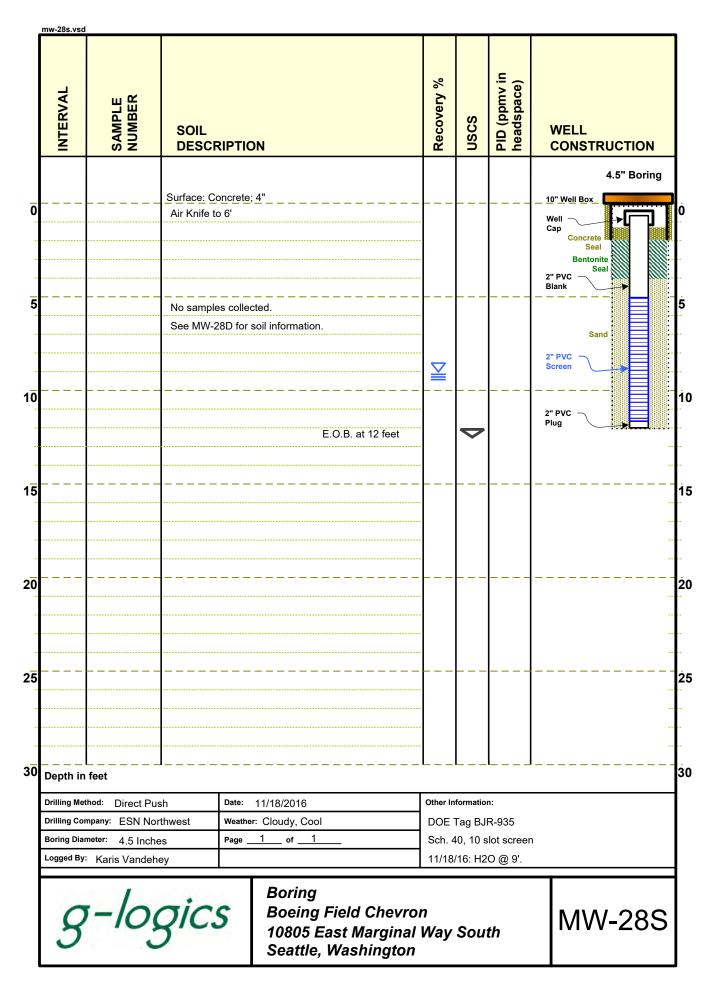


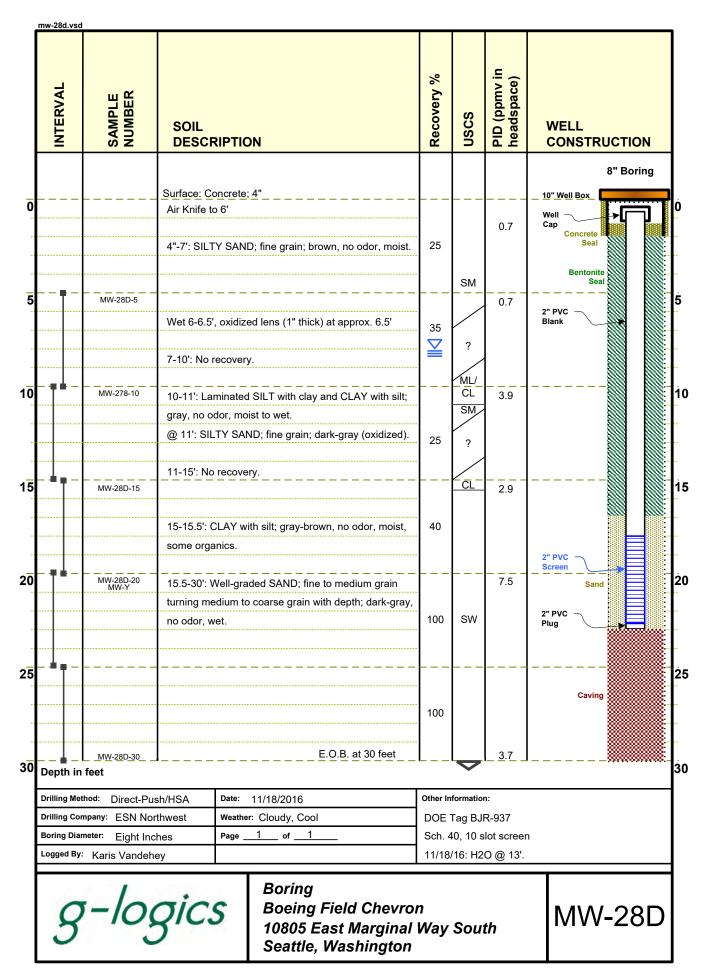














PROJECT/PROJECT NO: LOGGED BY: DRILLING DATE: **Boeing Field Chevron** ΖW 1/11/2018 BORING DIAMETER: DRILLING CONTRACTOR: WEATHER: ESN / Bravo 2" Rain DRILLING METHOD: TOTAL DEPTH: DEPTH TO WATER: 15' **Direct Push** 10'

BORING/WELL ID:

**MW-29S** 

LOCATION:
Tukwila, Washington

NOTES:

Air-Knifed to 10.5'

_								
Depth (feet)	Description	nscs	Interval and % Recovery	# Blows	PID	Sample ID	Wel	l Construction
0	SILTY SAND with gravel, brown.	SM	0					O Flush mounted 8" cover Concrete Seal  Bentonite Seal
5 -	SAND, fine grained, dark gray-black, wet, slight petroleum odor.	SP	0					-5 1" PVC Blank
10 -	SILT with organics, gray-brown, slightly moist.	ML	75			MW-29S-10'		1" O.D. Well Screen Sand Pack
15 - -	SILT with organics, gray-brown, dry.					MW-29S-15'		- 15 Boring Terminated at 15 ft -
20 -								- 20
25 - -								- 25
30								30

9-1	logics

LOGGED BY: PROJECT/PROJECT NO: DRILLING DATE: **Boeing Field Chevron** ΖW 1/11/2018 DRILLING CONTRACTOR: BORING DIAMETER: WEATHER: ESN / Bravo 2" Cloudy TOTAL DEPTH: DRILLING METHOD: DEPTH TO WATER: 25' **Direct Push** 

BORING/WELL ID:

**MW-29D** 

LOCATION:
Tukwila, Washington

NOTES:

Air-knifed to 5'. PID baseline between 10 and 13 ppmv

(£)			ק ק					
Depth (feet)	Description	nscs	Interval and % Recovery	# Blows	PID	Sample ID	We	l Construction
0	SILTY SAND with cobbles and debris (asphalt), Air-Knifed.		0					O Flush mounted 8" cover Concrete Seal
5 -	SILTY SAND , fine to medium grained, dark brown, slightly moist.	SM	30					-5
10 -			0			MW-29D-10		- 10 - 1" PVC Blank
15 - -	No recovery		0					-15 Bentonite Seal
20 -			0					- 20 Sand Pack  1" O.D. Well Screen
25 - -								- 25 Boring Terminated at 25 ft
30			39 of 93					30

g-logics

LOGGED BY: PROJECT/PROJECT NO: DRILLING DATE: **Boeing Field Chevron** ΖW 1/11/2018 BORING DIAMETER: DRILLING CONTRACTOR: WEATHER: ESN / Bravo 2" Rain DRILLING METHOD: TOTAL DEPTH: DEPTH TO WATER: 25' **Direct Push** 10'

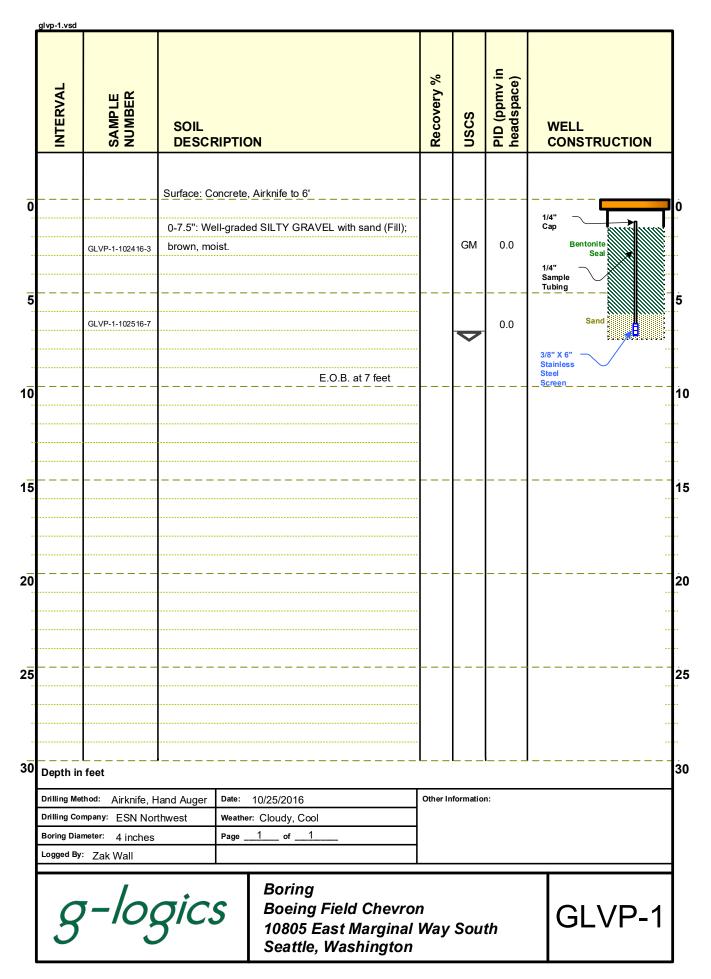
BORING/WELL ID:

**MW-30** 

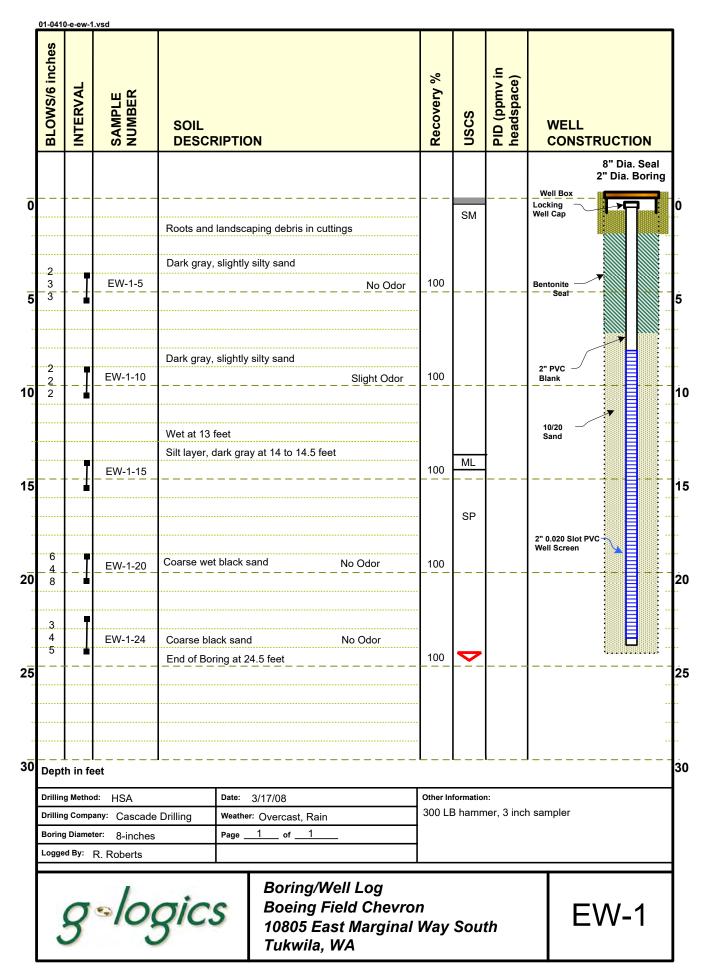
LOCATION:
Tukwila, Washington

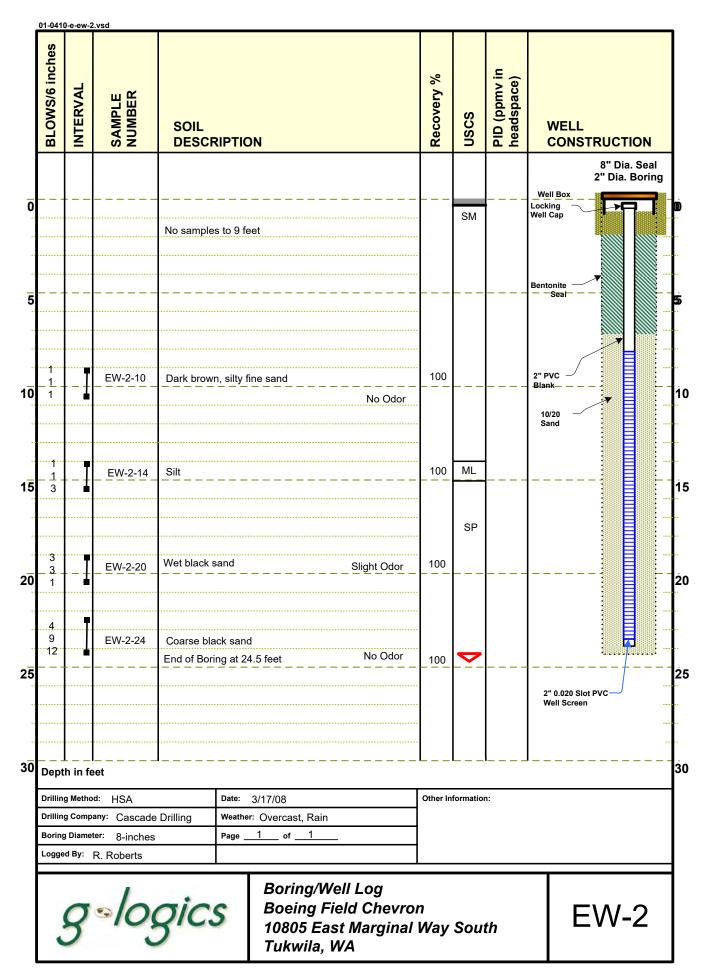
NOTES:

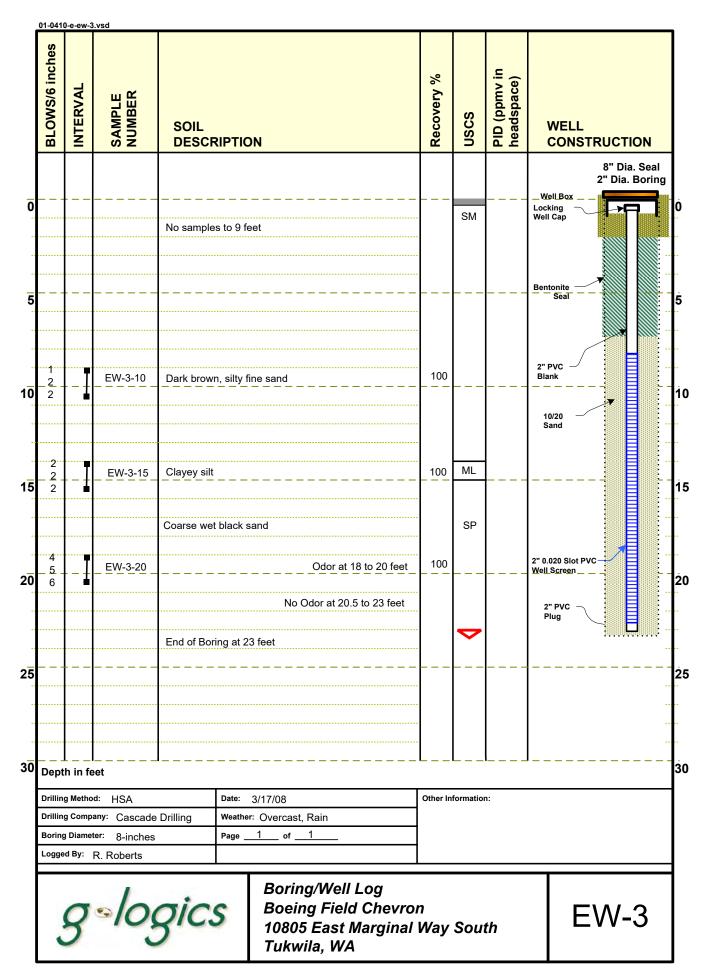
Depth (feet)	Description	USCS	Interval and % Recovery		# Blows	PID	Sample ID	Well Construction		enstruction
0 - 5 -	SILTY SAND with gravel and brick, brown, medium grained.		50	0,	#	0.6	Campions	H		Flush mounted 8" cover Concrete Seal
_		SM	50				ANN 00 40		_	•
10 -	SILTY SAND, very fine to fine grained, moist to wet.		10	00		0.5	MW-30-10'		- 10 -	Bentonite Seal
15 -	SILT with organics, slightly moist.	ML				0.6	MW-30-15'		- 15	1" PVC Blank
	SILTY SAND, fine to medium grained, dark gray, wet.	SM								
_	SILT with clay, brown-gray.	ML	10	00					_	
20 -	SAND, fine grained, increasing coarse grained with depth, black, slight petroelum odor.	SW	10	00		9.4	MW-30-20'		-20	Sand Pack  1" O.D. Well Screen
25 -						7	MW-30-25'		- 25 -	Boring Terminated at 25 ft
30									30	

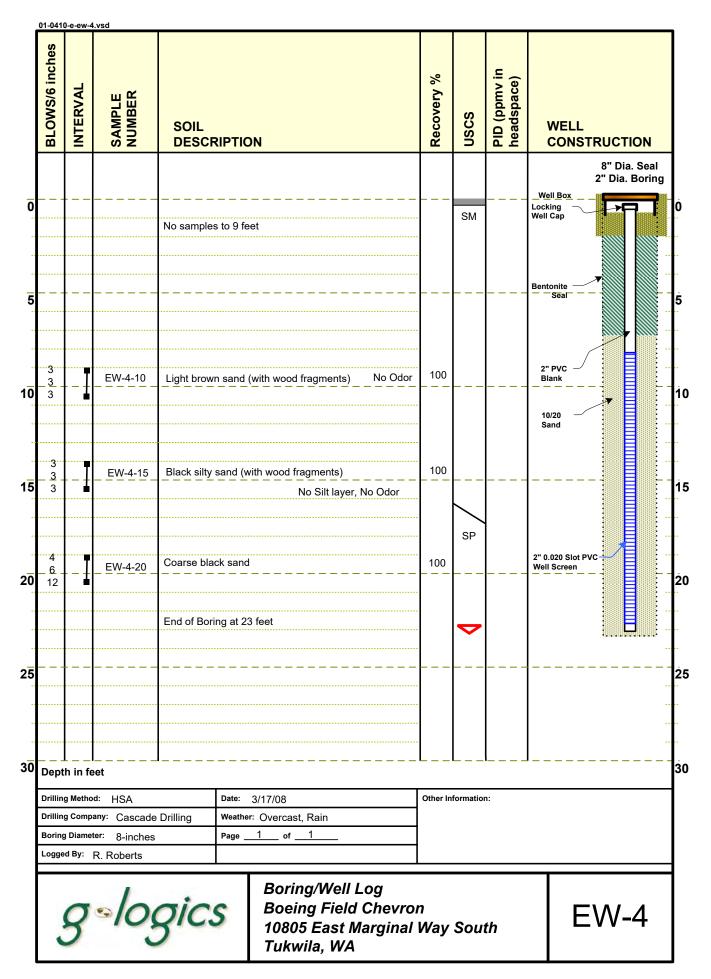


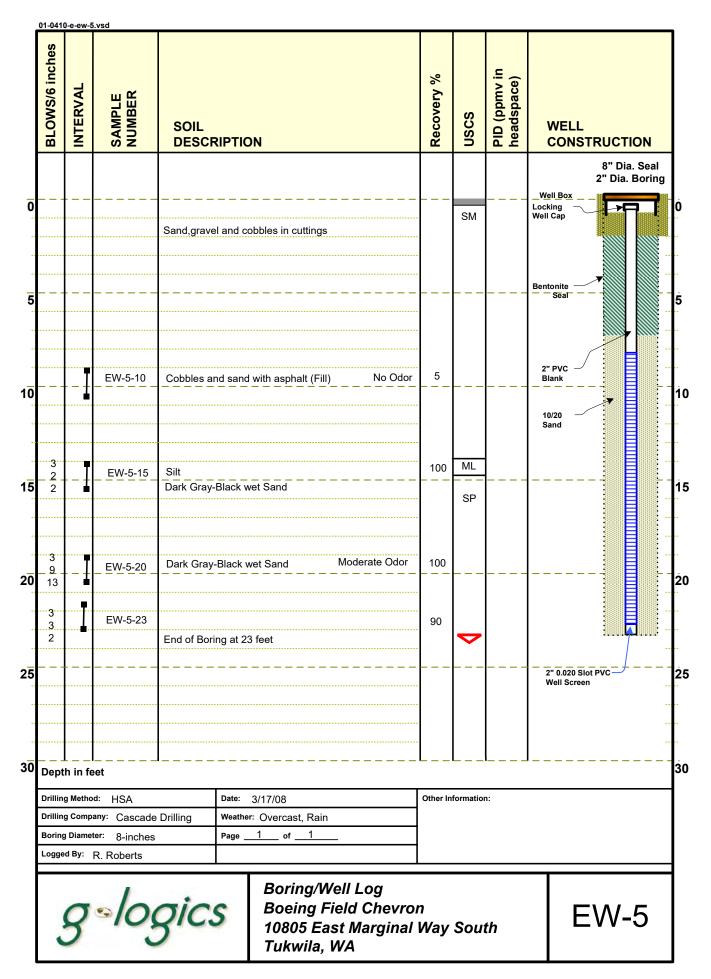
	glvp-2.vsd													-
	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIO	N			Recovery %	SOSN	PID (ppmv in headspace)	WE	:LL NSTRU	CTION	
١														
0			Surface: C	oncrete,	Airknife to 5	, 								lió
٦			0-5': Well-	graded	SILTY SAND	and GRAV	EL with				1/4" Cap	Ţ		ľ
		GLVP-2-102416-3	sand (Fill)							0.0		Bentonite Seal	*	ľ
-											1/4" Sampl			<u>.</u>
5			 5'-9.5':Gra	 ay-brown	SILTY SAN	– – – – D, fine-to-m	 edium-		SM		_ Tubing	<u>                               </u>		5
		GLVP-2-102516-7.5	grained, n							0.0		Sand	`` <b>`</b>	<u>.</u>
-			0 5'-10'· D	ark aray	coarse-graii	ned SAND v	with SILT				3/8" X (			+
-			saturated.		coarse-gran	IICG OAIND I	viui OiLi,	$\subseteq$	SP		Stainle Steel Screen	3		ŀ
10							40.5		$\triangleright$					10
-						E.O.B. at	10 teet							ŀ
1														İ
15								<u></u>						15
'	•••••					•••••	•••••							'`
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1														ŀ
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-														+
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3 <u>0</u>		[						L	L	LJ				30
	Depth in			Ι					formatio					ľ
ı	Drilling Me	mpany: ESN Nor	land Auger thwest		10/25/2016 : Cloudy, Co	ool		Otherm	iioriiiatio					
	Boring Dia			Page										
	Logged By	: Zak Wall												1
	3	1-log	zic.	5	10805	g Field	Chevro arginal nington		Sou	th		GLV	'P-2	

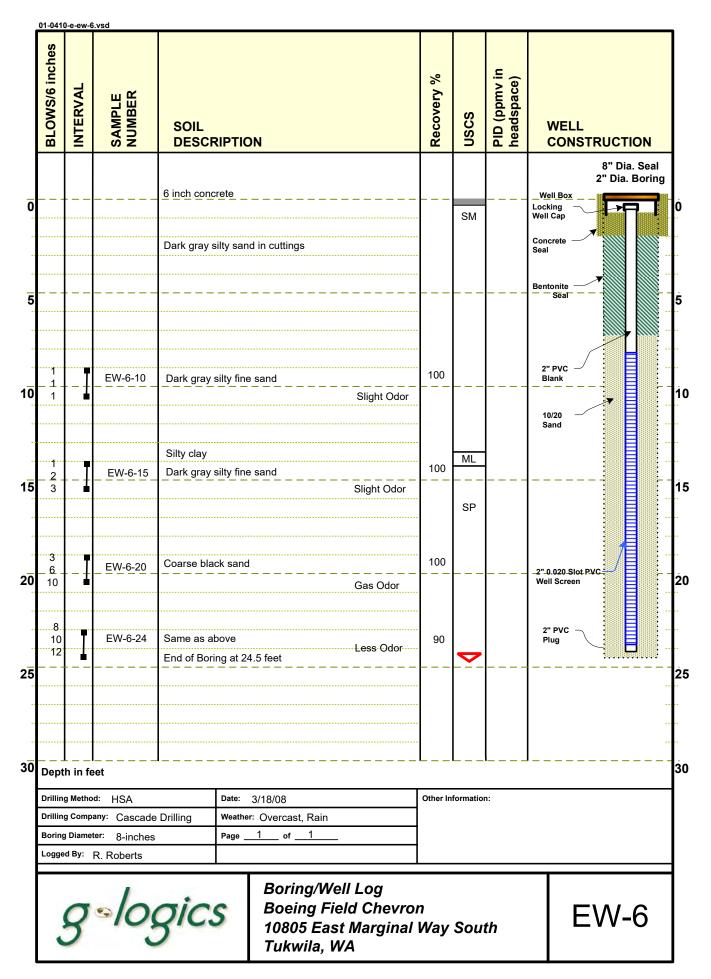


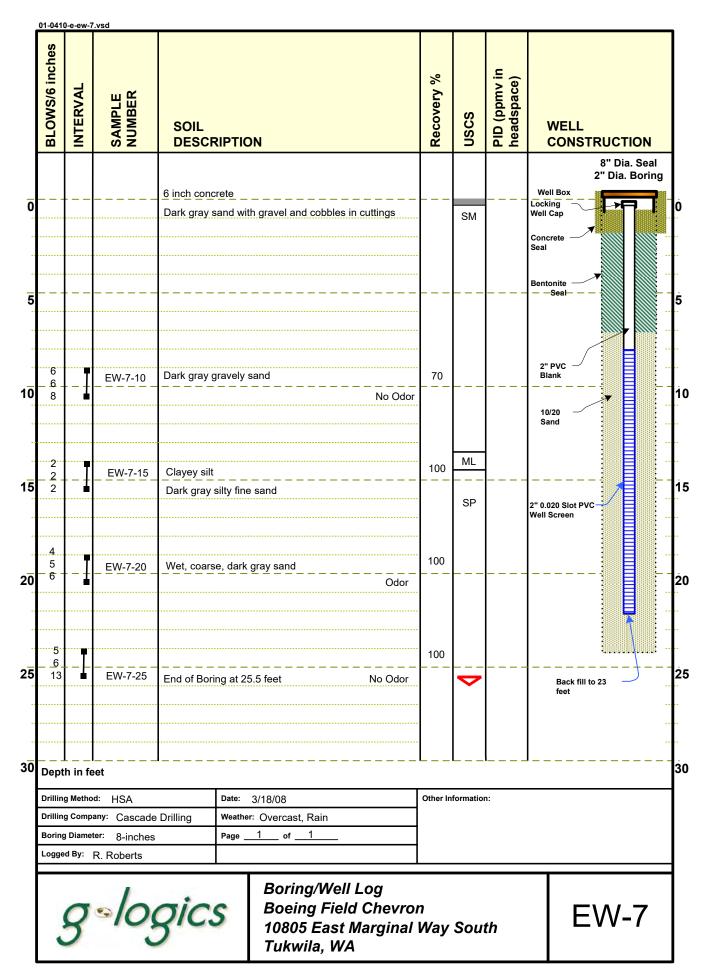


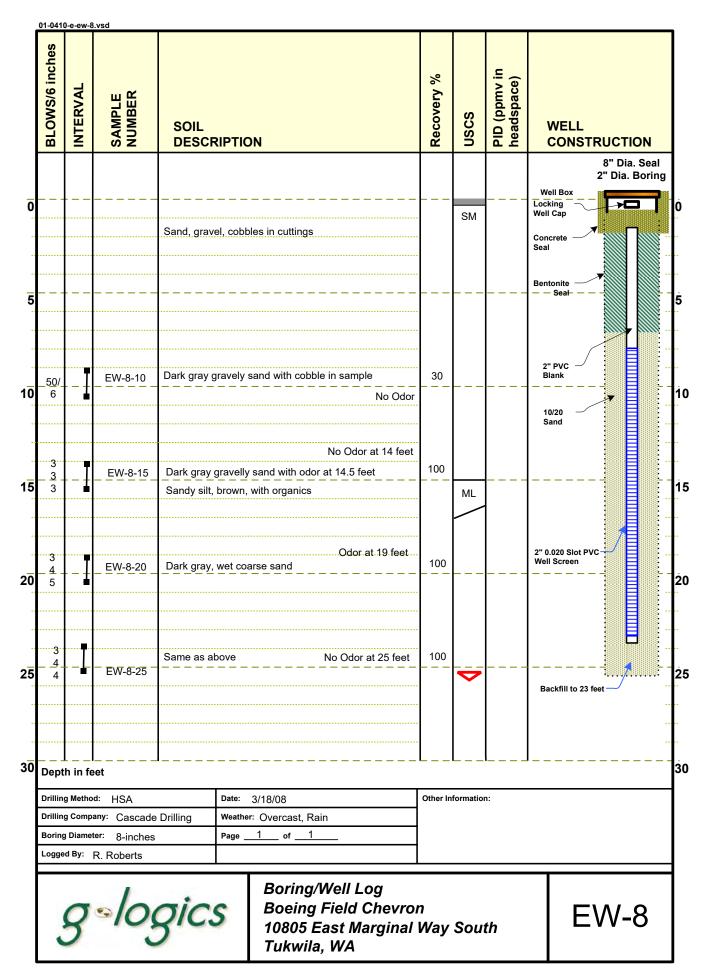


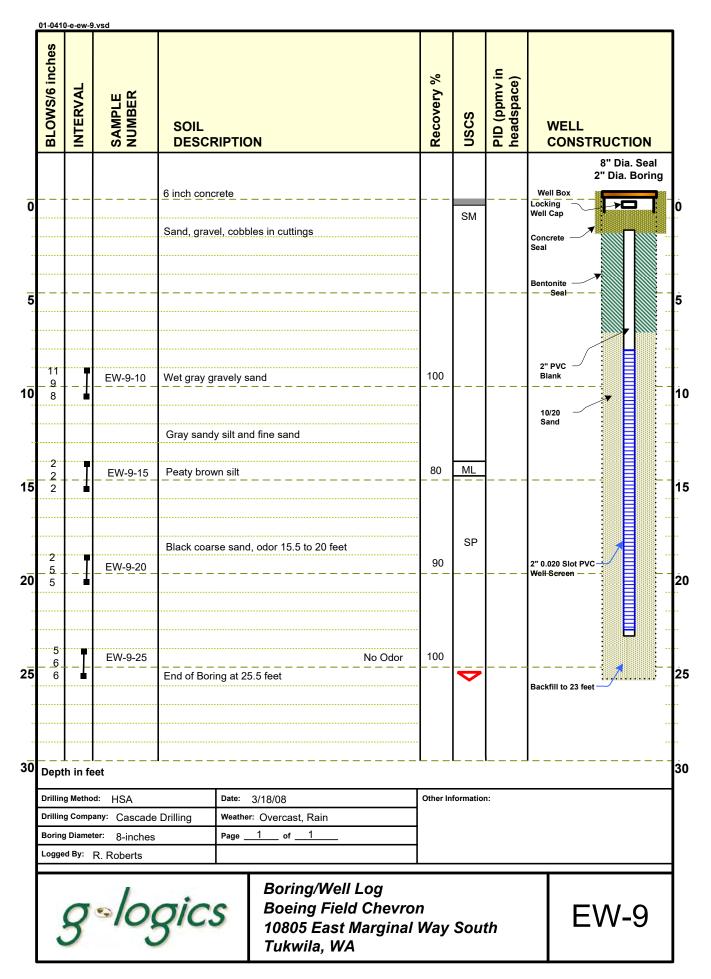


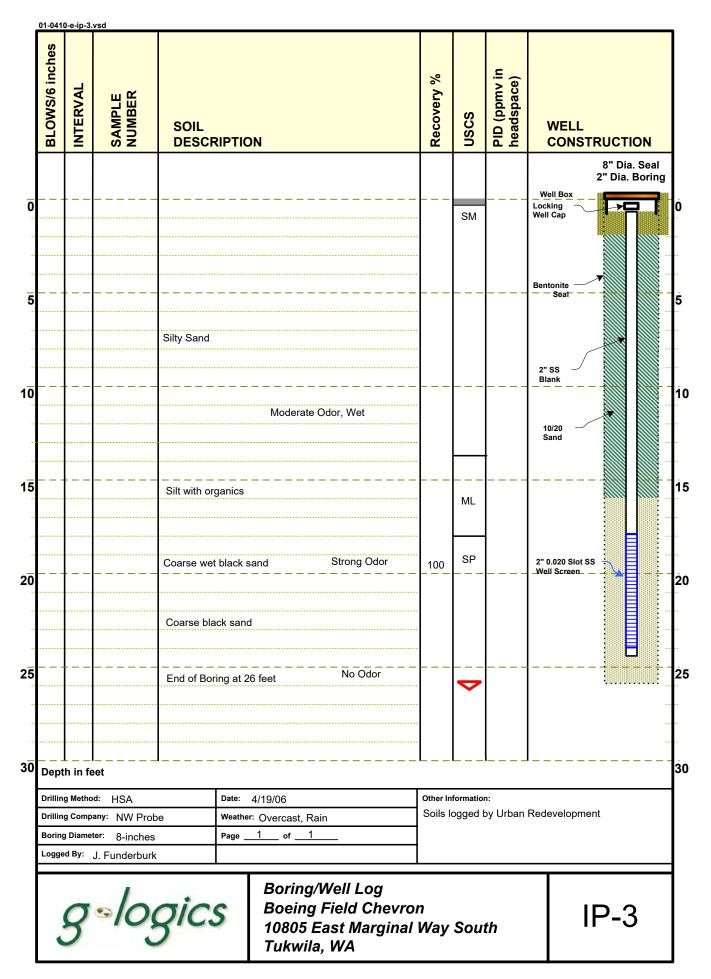


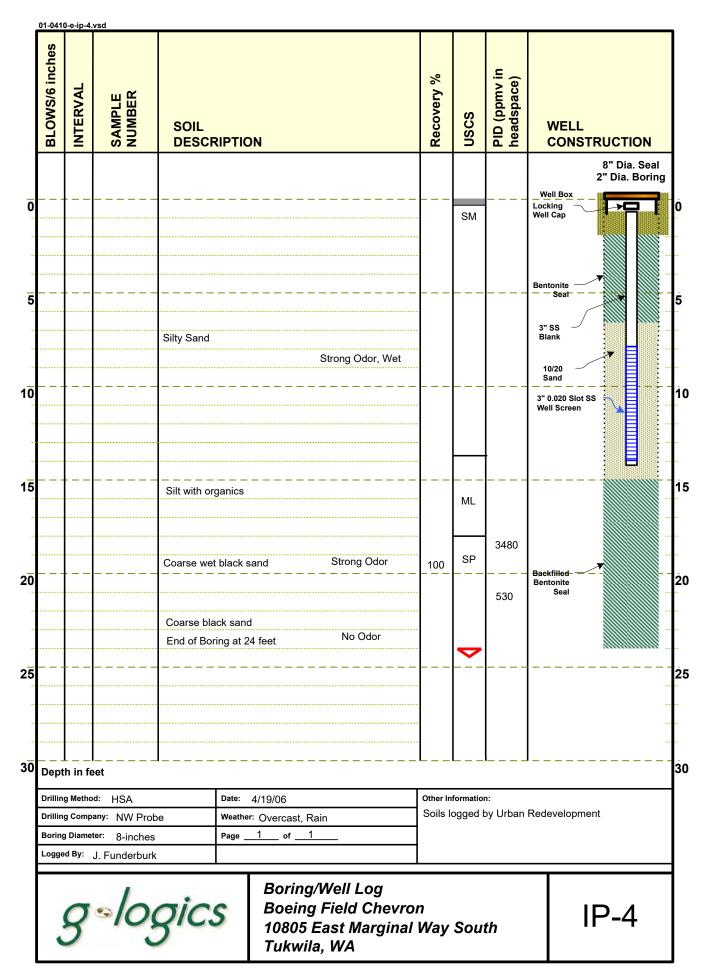


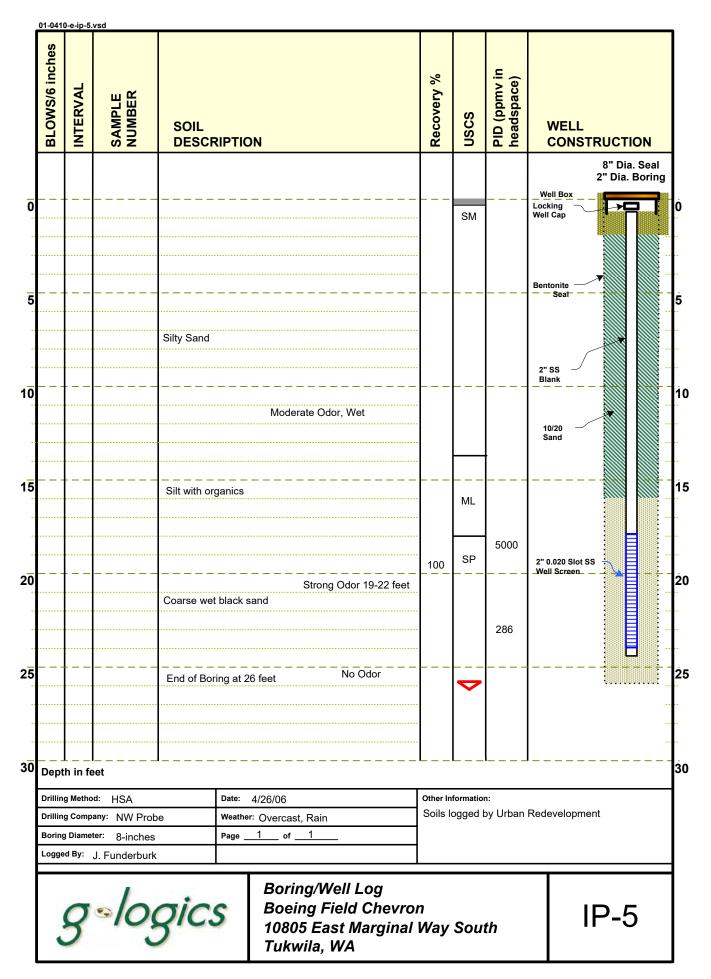


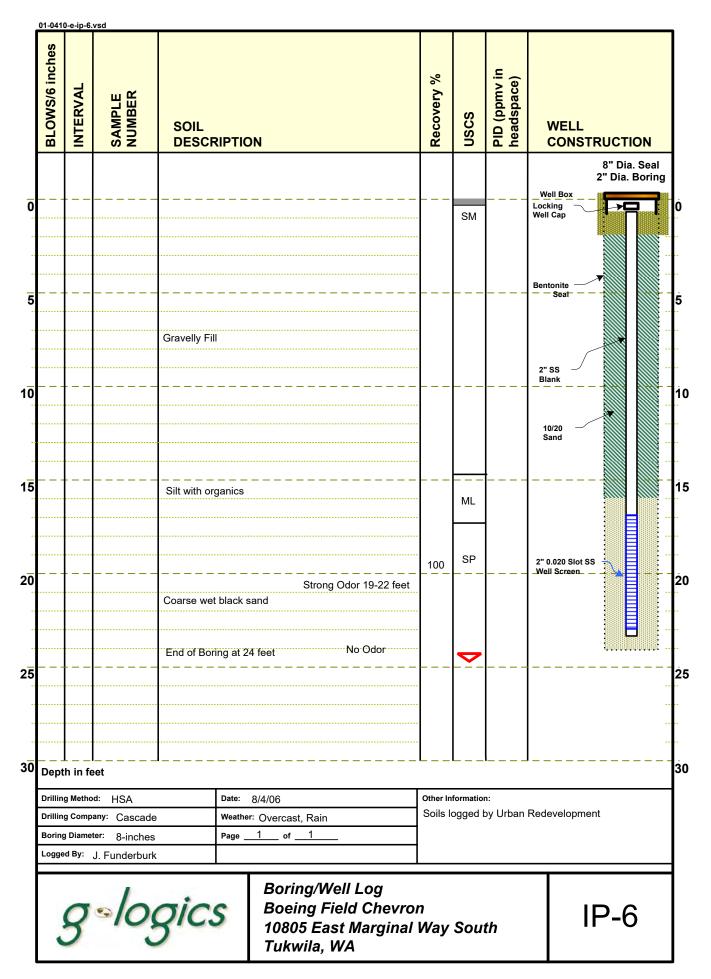


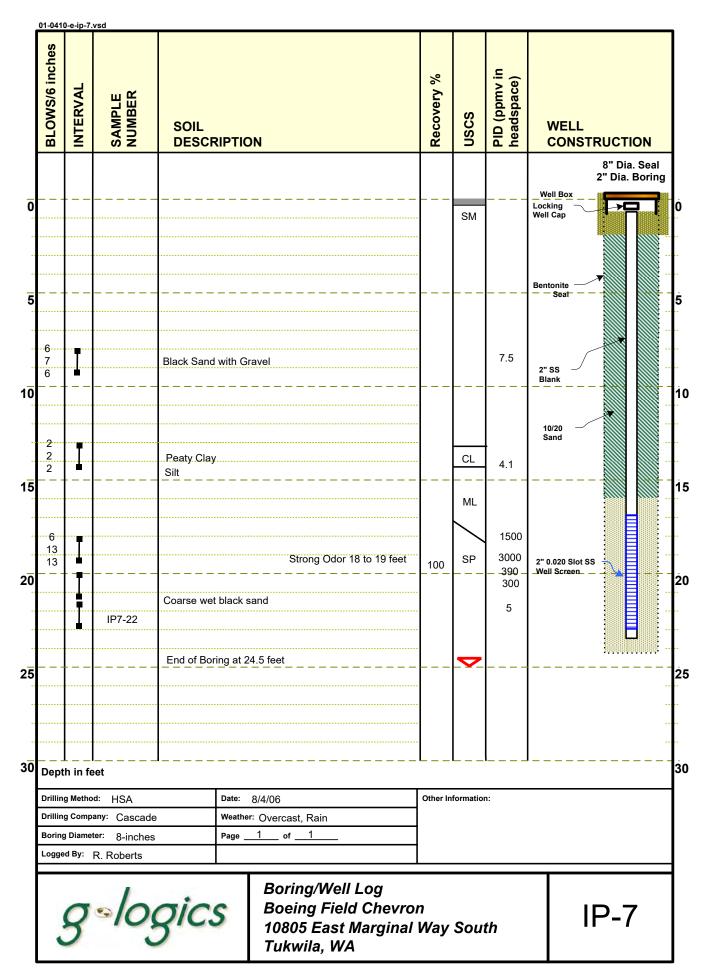


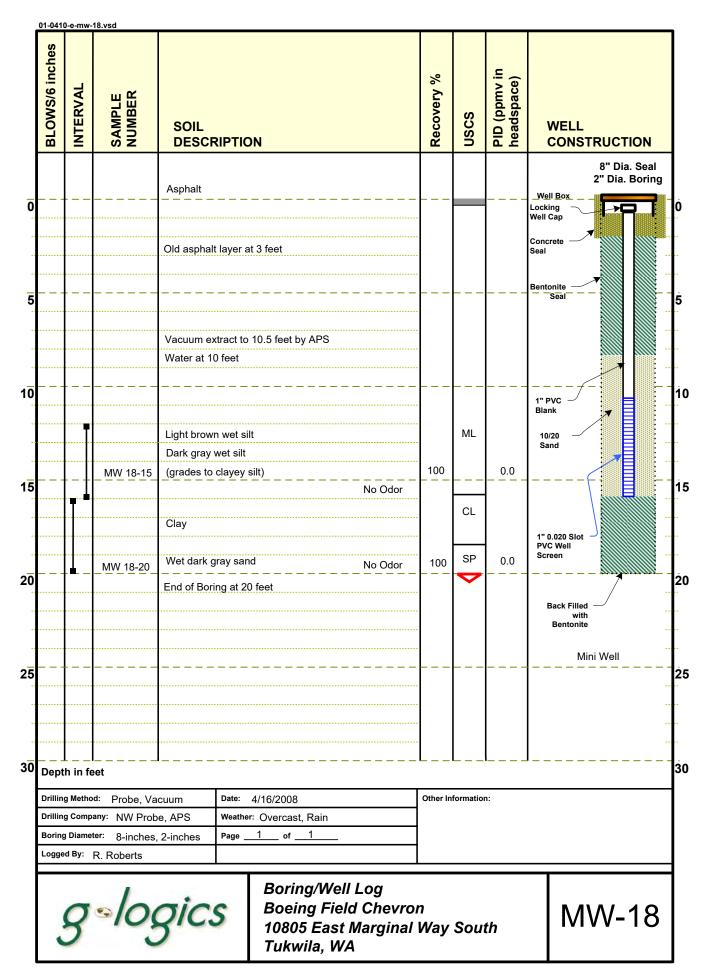


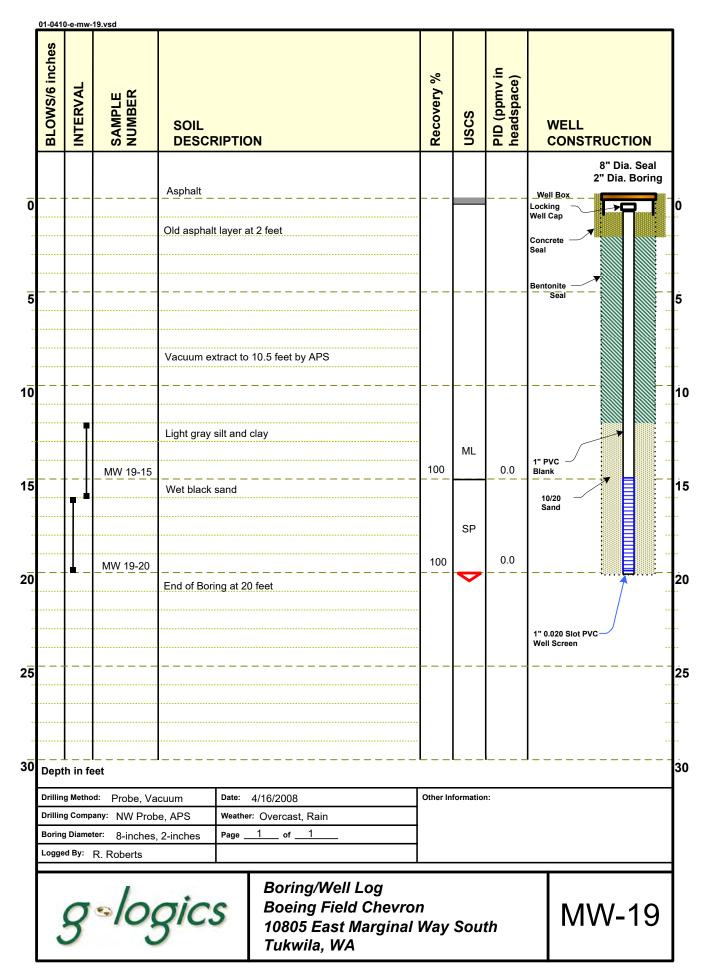


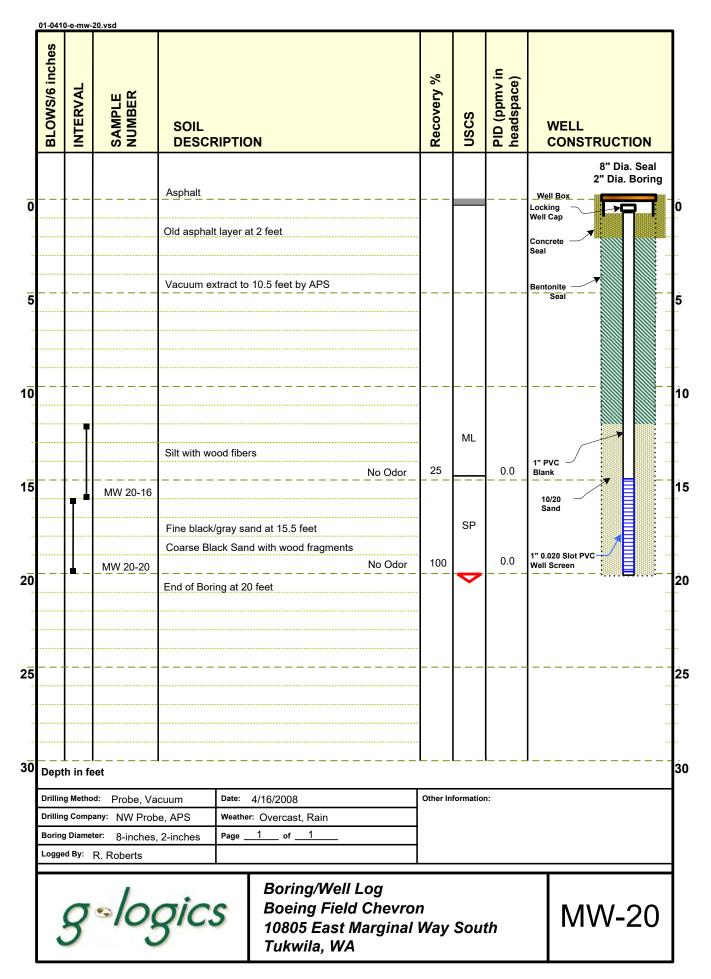


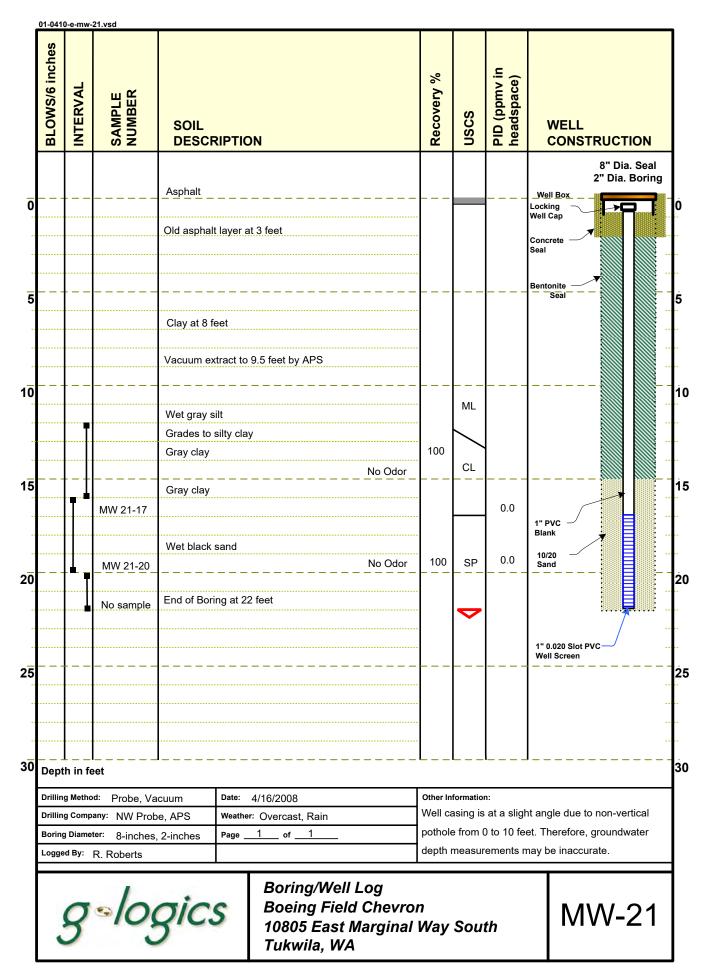










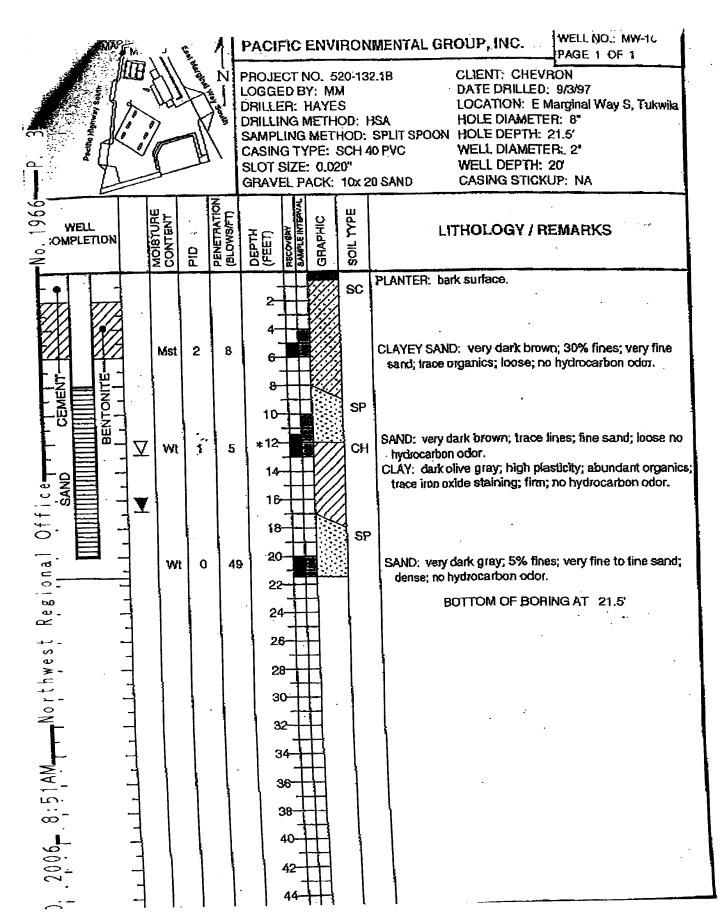


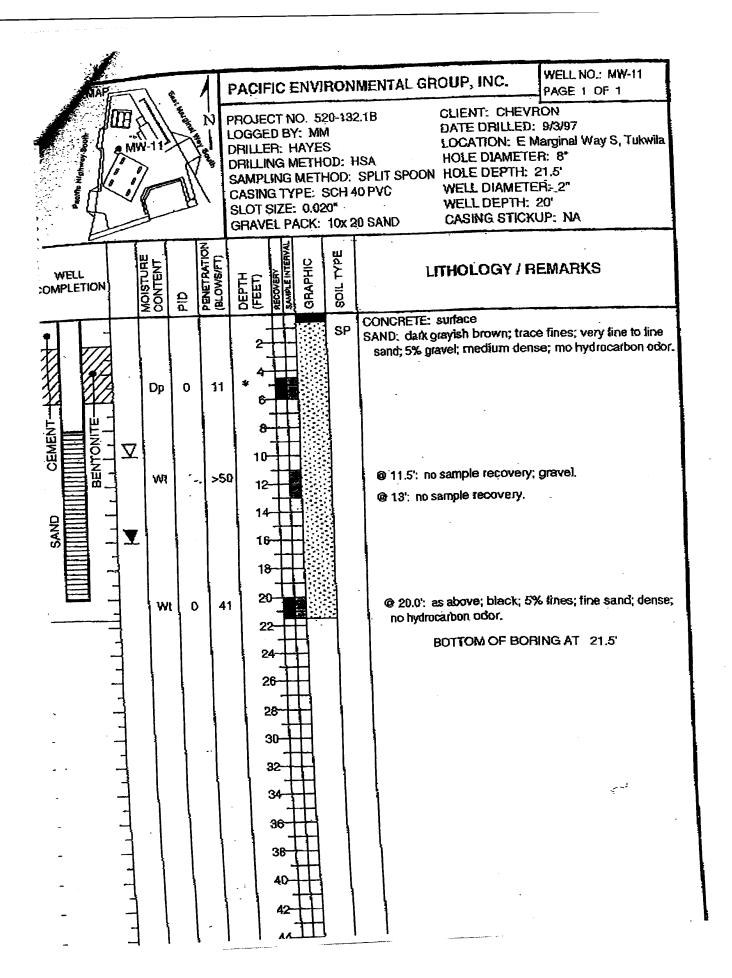
	<u>01-04</u> 10	)-e-p-1.v	sd														
	BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIO	<b>DN</b>				Recovery %	nscs	PID (ppmv in headspace)		WELL CONST	RUCTION	1	
														No We	ıll		
0											SM						Ó
5																	5
				Silty Sand													
10		- — —			 -			Odors									10
												0					
																	. <u>.</u> 
15		- — —		Silt with o	rganics						ML						15
																	. <u>.</u> . <u>.</u>
20		- — —		Coarse we	t black s	and — — — —		Slight Odor		100	SP 	65 — — — —				 	20
				Coarse bl	ack sand							0					 
				End of Bo				No Odor			ightharpoons						 I
25																	<b>2</b> 5
																	- 
30	Dept	h in fe		]						L	L						30
	Drilling	g Metho	d: HSA		Date:	4/18/06				Other In	formatio	n:				$\dashv$	
	Drilling	g Compa	any: NW Prob	е	<del>1                                    </del>	r: Overcas	t, Rain			Soils le	ogged l	oy Urban	Rede	velopme	nt		
		Diamet			Page _	of _	1	-									
	Logge	d By: 、	J. Funderburk		<u> </u>												
		9	olog	gic.	5	Boei 1080	ing Fi	ell Log eld Cho st Marg VA	evro		Sou	th		ĺ	<b>⊃-</b> 1		

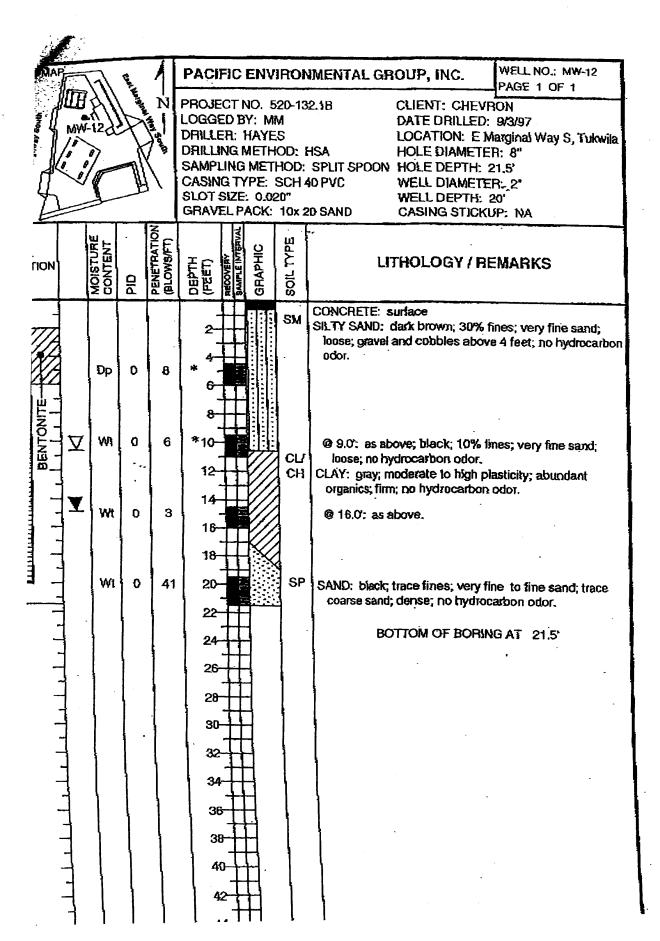
	<u>01-0</u> 41	)-e-p-2.v	sd																
	BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIO	N						Recovery %	nscs	PID (ppmv in headspace)		WELI CON		CTION	
																No \	Vell		
0													SM						 Ó
																			 -
5					· ·														 5
				Silty Sand															
				City Cana				No	Odor	rs									 - -
10														 0					 10
15				Silt with or	ganics								ML						 15
														3000					
20				Coarse we	t	 and	 Stro		 dor 18	3 to 22	– – – feet		SP	1800					 20
							Ou c	Jing 00					0.	960					  
				End of Bo	ring at 24	1 feet			Les	s Odoi	ſ		ightharpoonup						  
25																			 <b>2</b> 5
30	Dept	h in fe	et																30
		g Metho			Date:								formatio	n: oy Urban	Red	evelonr	nent		
		Diamet	er: 8-inches		Weather Page		rcast, of	Rain 1				00110 1	oggou	by Orban	rtou	СУСЮРІ	none		
			J. Funderburk																
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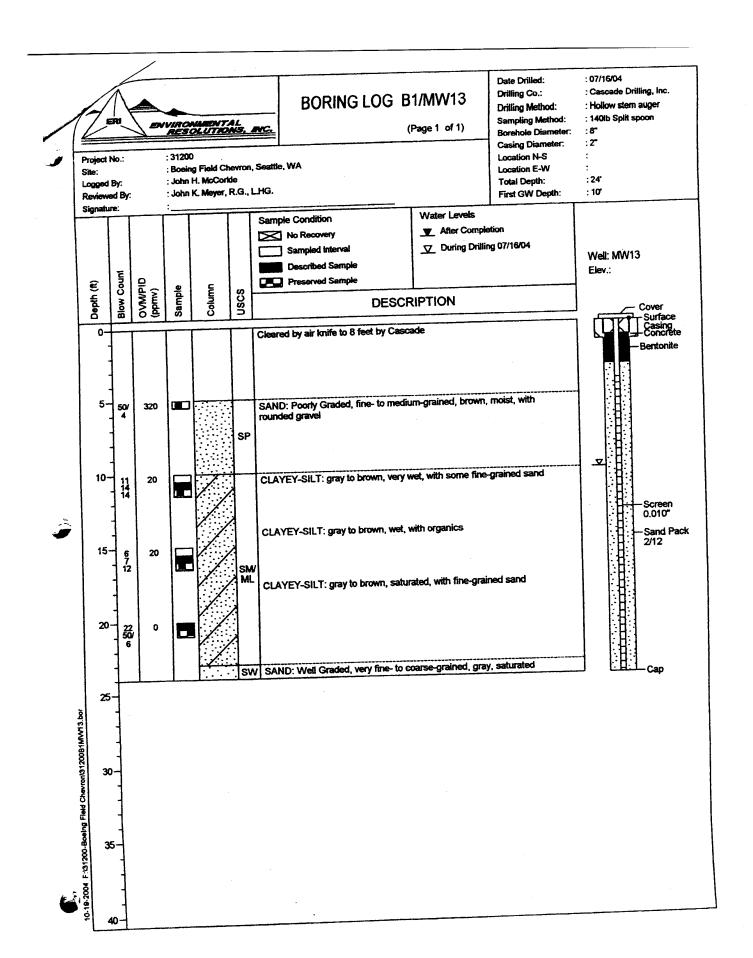
	<u>01-04</u> 10	)-e-p-5.v	sd																
	BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCI	RIPTIC	<b>DN</b>						Recovery %	nscs	PID (ppmv in headspace)		WELL CONS		CTION	
																No \	Nell		
0													SM						 Ó 
5																			  5
				Silty Sand				No	o Odor	rs									 . <u>.</u> 
10														0					 10 
15				Silt with or	ganics								 ML						 15 
20				Coarse we	t black s	 and	 Str	ong Oc	 dor 19	 9 to 22	 feet	– – –	SP	5000 					    20
				End of Bo	ring at 2	4 feet	t		Les	s Odoi	r			286					 
25																			 <b>25</b>
3 <mark>0</mark>	 Dept	h in fe	 et									L	L		]				 30
	Drilling Boring	j Diamet	any: NW Prob		Date: Weather Page								formation	n: oy Urban	Red	evelopr	ment		
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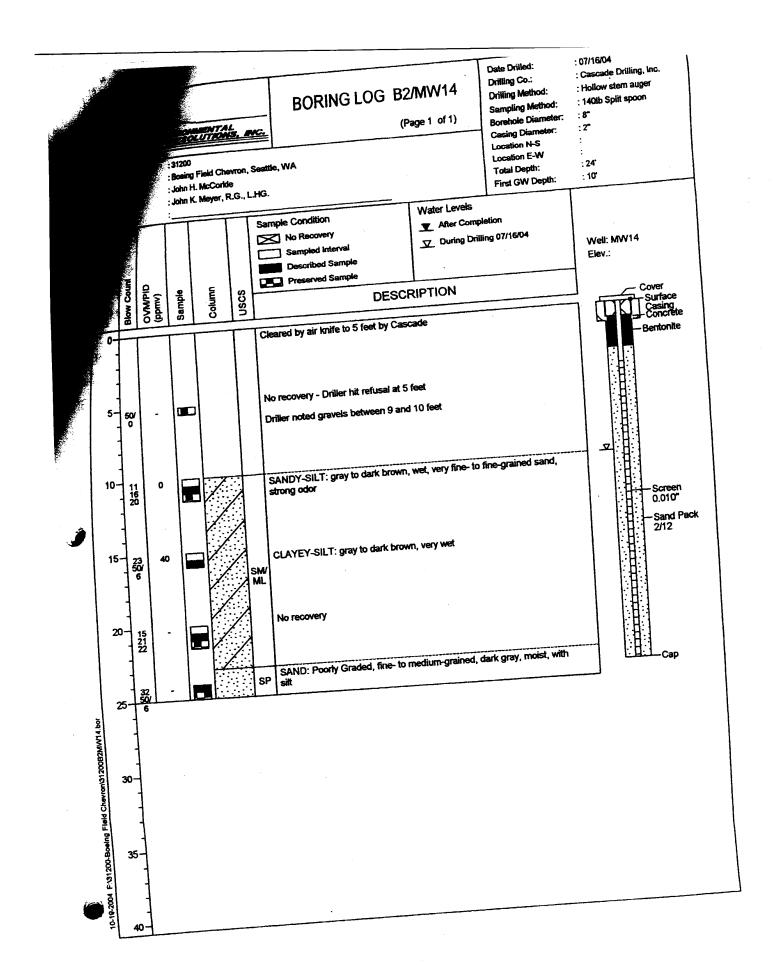
	<u>01-04</u> 1	)-e-p-8.v	sd															
	BLOWS/6 inches	INTERVAL	SAMPLE NUMBER	SOIL DESCE	RIPTIO	N					Recovery %	nscs	PID (ppmv in headspace)		WELL	TRUC	TION	
															No W	/ell		
0												SM						ō
5																		5
				Silty Sand														
				Silty Saliu				No Odo	ors									
10													 0					10
					•••••		•••••											
15				Silt with or	ganics							ML						11
													1000					
20				Coarse wet				 Odor 1	 8 to 22 fe			SP	4000 					-   -  20
				Codisc well	DIGON SC		Ottorig	Odor 1	0 10 22 10			OI OI						
				End of Bo	ing at 2	l feet		Le	ss Odor			ightharpoons	40					
25							:	:										2
																		+
30	Dept	h in fe	et															30
		Metho				4/18/06						formation	n: oy Urban∃	Rede	velonm	ent		
		Diamet	er: 8-inches		Weather Page	Overca	ast, Rai	in		$\dashv$	OOII3 II	oggedi	by Orbani	, tout	velopii	ioni		
			J. Funderburk			<u> </u>												
		9	olog	gic.	S	Boo 108		Field ast I	d Chev Margii			Sou	th			P-	8	



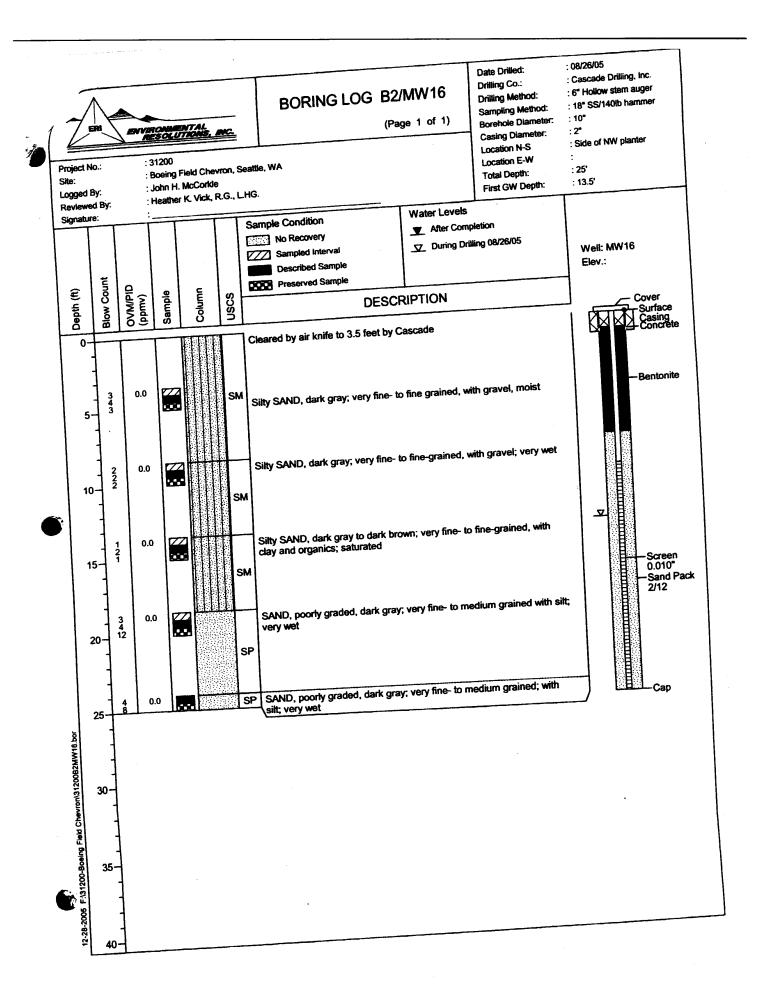






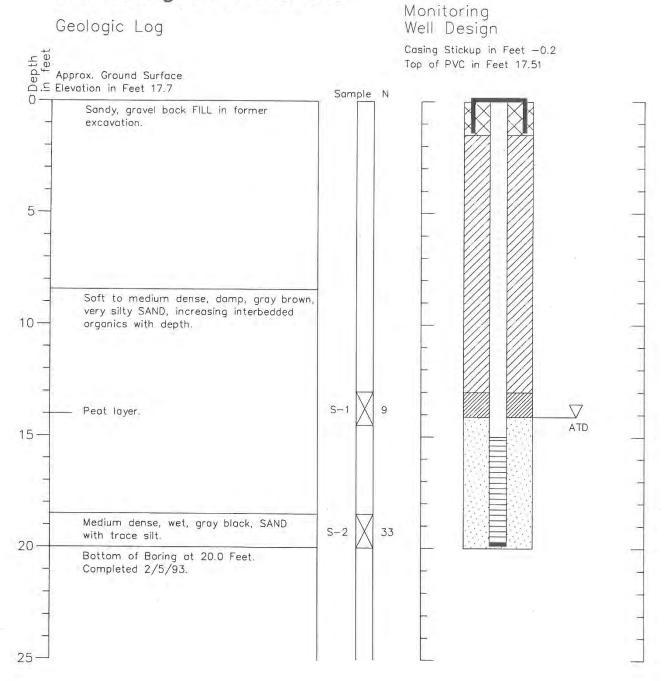


ERI		ENVIRO RES			enc.			/MW15 age 1 of 1)	Date Drilled: Drilling Co.: Drilling Method: Sampling Method: Borehole Diameter: Casing Diameter: Location N-S Location E-W	: 08/26/05 : Cascade Drilling, Inc. : 6" Hollow stem auger : 18" SS/140lb hammer : 10" : 2" : Mid central west planter
roject No.: ite: ogged By:		: Bo	200 being Fic ohn H. M eather K	I-Corkit	8				Total Depth: First GW Depth:	: 25' : 13'
teviewed signature:	By:		Sample	Column		San	nple Condition  No Recovery  Sampled Interval  Described Sample  Preserved Sample	Water Levels  After Cor  During D  RIPTION	s mpletion irilling 08/26/05	Weil: MW15 Elev.:  Cover Surface Casing
0-	1 2 2	27.2			SP	S	eared by air knife to 4 feet by Ca AND, poorly graded, brown to gr It, moist		to fine-grained with	Casing Concrete  —Bentonite
10-	222	0.7	77		s	s	SAND, poorly graded; brown to g silt and some gravel; wet	gray; very fine-	to fine-grained, with	
15.	2222	12.6	777		s	SP	SAND, poorly graded, brown to g	gray, with silt a	nd clay; saturated	Screen 0.010° — Sand Paci
20	347	7.9	?// •••			SP	SAND, poorty graded, dark gray organics (wood debris); wet			
3		_				SP	SAND, poorly graded, dark grastit, saturated	y; very fine- to	medium-grained; with	Cap
12-28-2005 F/31200-Boeing Field Chevroni31200B2MW15.bor	35									



$ \underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{$			31200	DNTAL UTIONS,		BORING LOG B1	2/MW17 age 1 of 1)	Date Drilled: Drilling Co.: Drilling Method: Sampling Method: Borehole Diameter: Casing Diameter: Location N-S	: 08/26/05 : Cascade Drilling, Inc. : 6" Hollow stem auger : 18" SS/140lb hammer : 10" : 2" : Side of NW planter
Project No. Site: Logged Reviews	By: ed By:	:	Boeing John H	Field Che I. McCorki er K. Vick,	e	eattle, WA		Location R-S Location E-W Total Depth: First GW Depth:	: : 25' : 13.5'
Signatur Debth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	Sample Condition  No Recovery  Sampled Interval  Described Sample  Preserved Sample  DESC	Water Levels ▼ After Comp ▼ During Dril		Well: MW17 Elev.:
δ 0-	<b>1</b> 0	0.9	Ø	O	n SP	Cleared by air knife to 8.5 feet by C Cuttings: SAND, poorly graded, lig with gravel; moist		coarse-grained,	Surface Casing Concrete
10-	345	0.0			SP	SAND, light brown; very fine- to fin			<u> </u>
15-	222 568	4.4	77		ML SP	SILT, light brown, with sand and control of the sand a		ium grained with silt;	Screen 0.010° —Sand Pa 2/12
25	112	_			SF	SAND, poorly graded, dark gray; saturated	very fine- to coal	rse-grained; with silt;	Cap
12-28-2005 F/31200-Boeing Field Chevron(31200B2MW17.bor									
FX31200-Boeing Field Ch	5-1					·			
28-2005	1					·			

#### Boring Log and Construction Data for Monitoring Well MW-2R



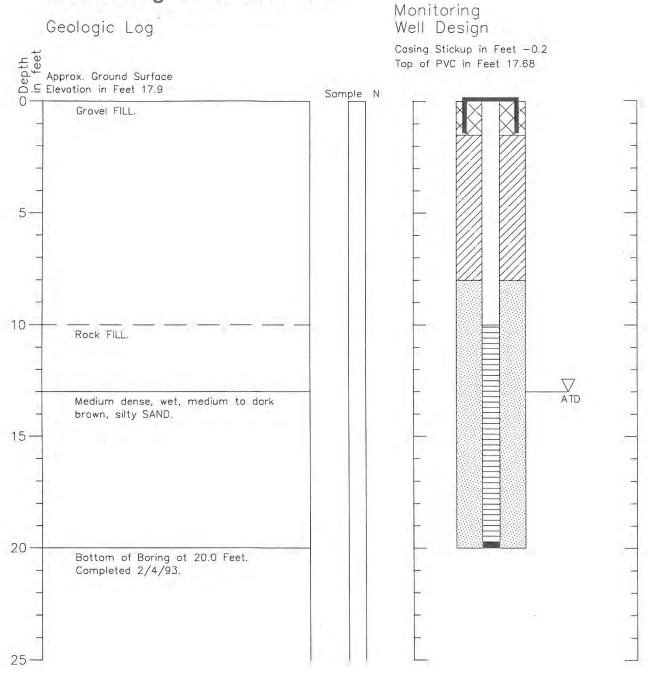
Refer to Figure A-1 for explanation of descriptions and symbols.

Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

HART GROWSER
J-3076-01 2/93

### Boring Log and Construction Data for Monitoring Well MW-3R



- Refer to Figure A-1 for explanation of descriptions and symbols.
- 2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
- and actual changes may be gradual.

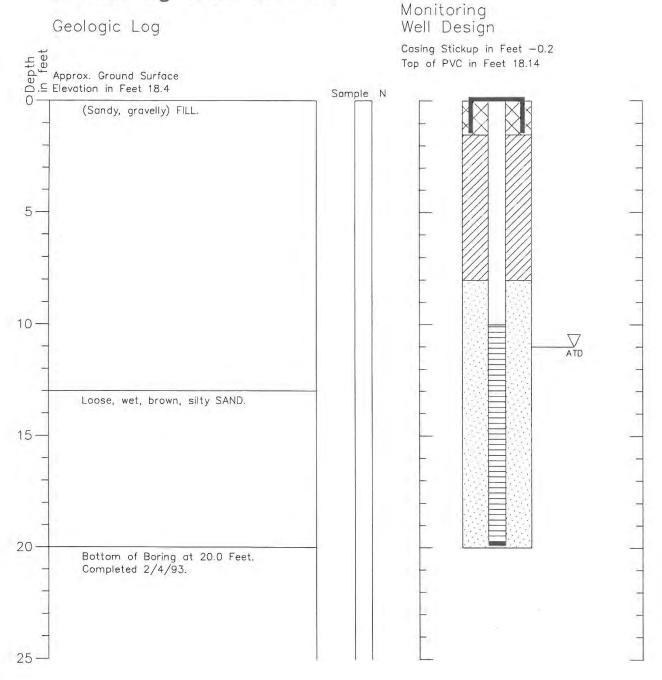
  3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

HARTGROWSER

J-3076-01

2/93

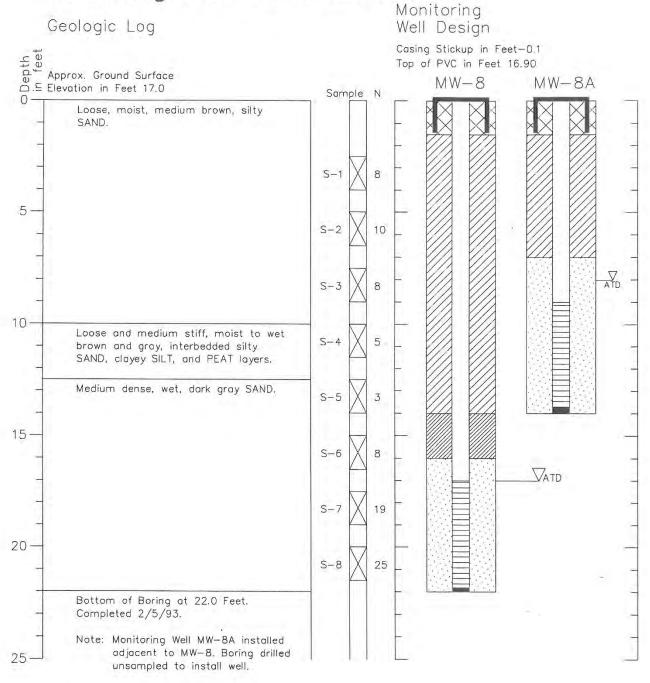
### Boring Log and Construction Data for Monitoring Well MW-4R



- Refer to Figure A-1 for explanation of descriptions and symbols.
- Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
- 3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

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# Boring Log and Construction Data for Monitoring Well MW-8 and MW-8A

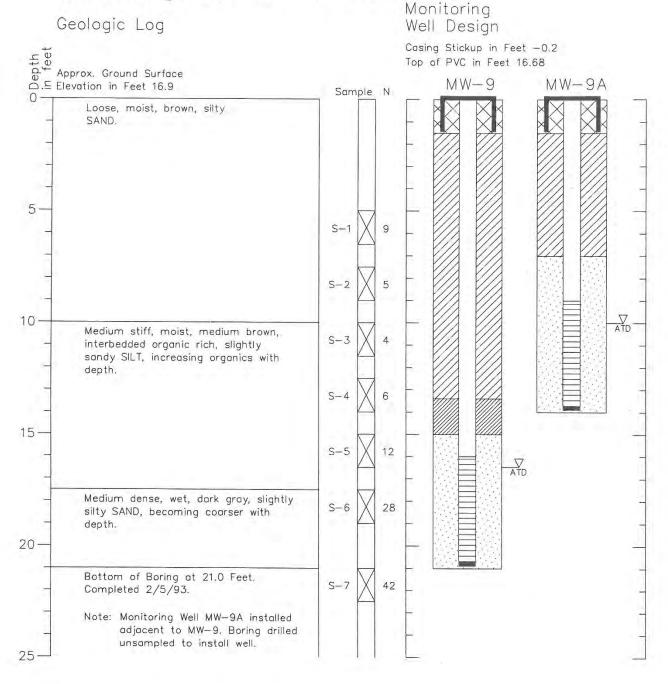


 Refer to Figure A-1 for explanation of descriptions and symbols.

Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

 Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time. WART GROWSER
J-3076-01 2/93

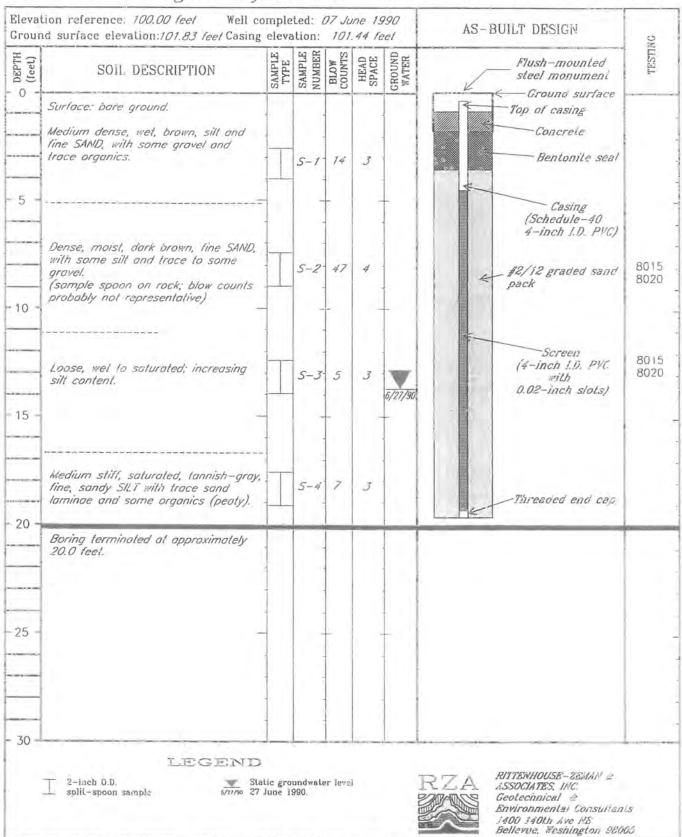
## Boring Log and Construction Data for Monitoring Well MW-9 and MW-9A



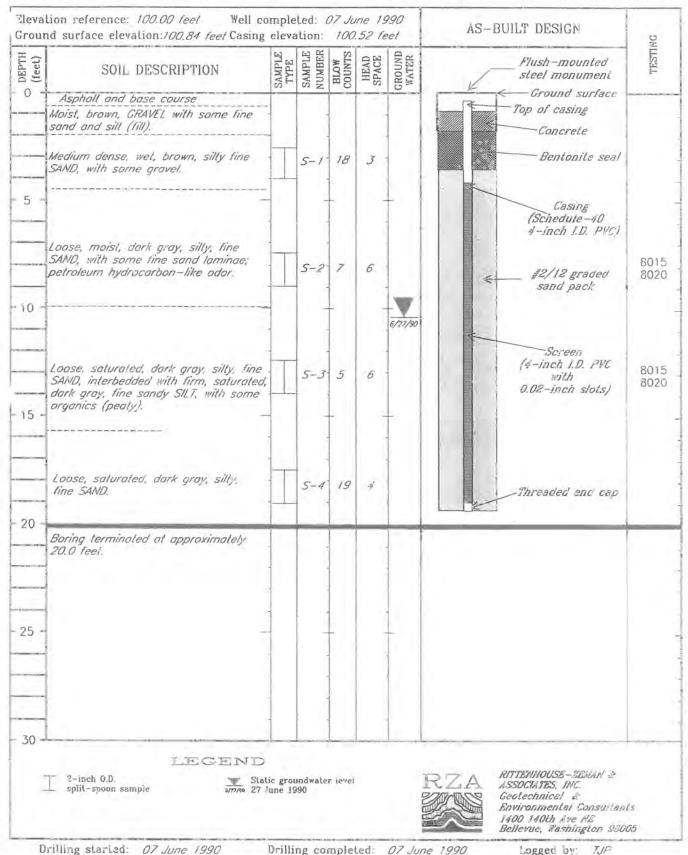
 Refer to Figure A-1 for explanation of descriptions and symbols.

Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

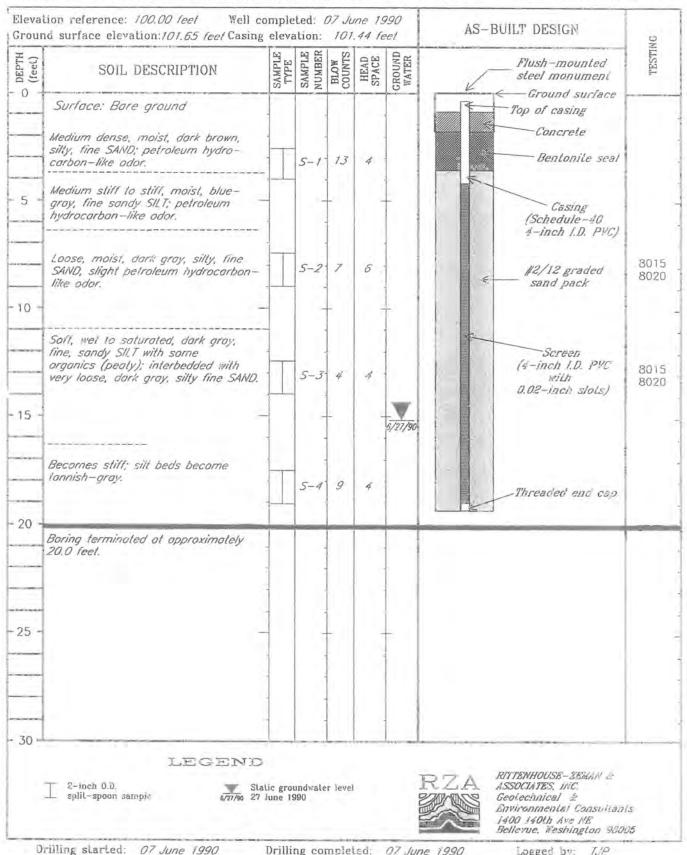
 Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time. HARTGROWSER J-3067-01 2/93



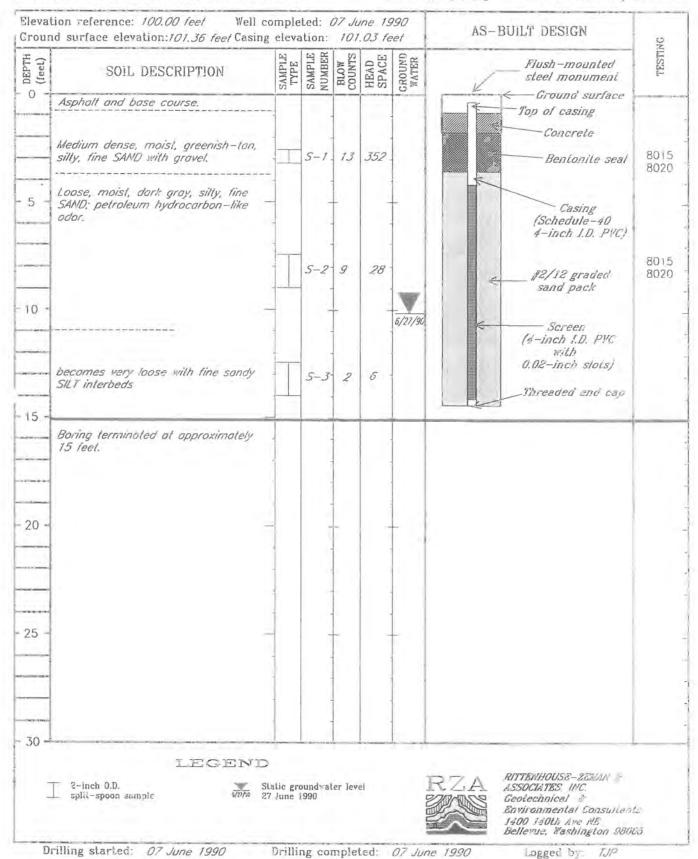
Drilling completed: 07 June 1990



Drilling completed: 07 June 1990

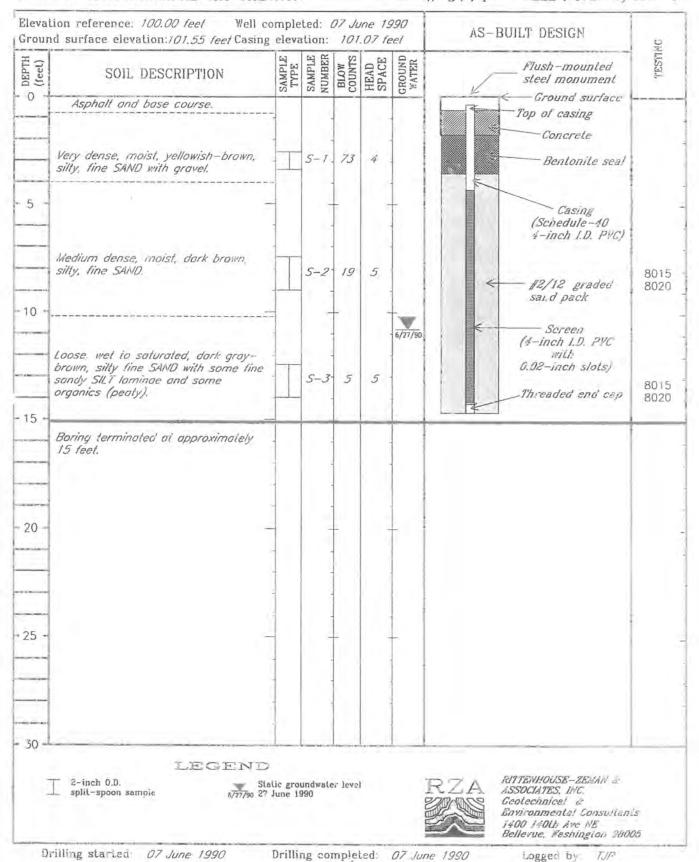


Drilling completed: 07 June 1990



roui	nd surface elevation: Casing	eleva	tion:				AS-BUILT DESIGN	9
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	HEAD	GROUND		TESTING
0 -	Asphalt	-	2.		02			-
	Cobble at 1 1/2 feet						No Well Installed	
	Medium dense, moist, dark gray, silty, fine SAND with gravel.		5-1	20	5			
-		1						
5 -			-		-	-		
	decreasing silt content.							
			5-2	11	4			8015 8020
0 -			-		-			
	Loose, wet to solurated, dark gray, silly, fine SAND, interbedded with							
	fine sandy SILT laminae; with some organics (peaty).	-	5-3	7	4	ATD		8015
5 -	Boring terminated at approximately _ 14 feet.							
20 -								
_						- 1		
_								
_						1		
_								
25 -					-	- 1		
-								
-		1						
_		1						
-								
30 -				-	-	-		
	LECEND  2-inch 0.D.  split-spoon sample  2-inch 0.D.  ATD at 1	erved g	goundwa drilling	ater ier	rel		RZA RITTENHOUSE-ZEMAN ASSOCIATES, INC. Geotechnicel & Bryironmental Consul- 1400 (40th Ave. NE.	

Drilling completed: 07 June 1990



SOIL DESCRIPTION	SAMPLE	SAMPLE	WAL	E	28		NITS
	S	SAI	BLOW	HEAD	GROUND	No Well Installed	TESTING
Asphalt and base course.	1						
ense, wet, yellowish-brown, ilty, fine SAND with gravel.		5-1	32	4			
		-					
ose, wel, dark brownish-gray, y, fine SAND; trace rust mottling.		5-2-	6	7			8015 8020
		-			~		
edium stiff, saturated, dark gray, ne sandy SILT; with organics (peaty)		5-3-	5	13	ATD		8015 8020
ring terminated at approximately							
1 M = Mai: 11 i							
	ense, wel, yellowish-brown, ilty, fine SAND with gravel.  ose, wel, dark brownish-gray, y, fine SAND; trace rust mottling.  edium stiff, saturated, dark gray, we sandy SILT; with organics (peaty)	ense, wet, yellowish-brown, ity, fine SAND with gravel.  ose, wet, dark brownish-gray, y, fine SAND; trace rust mottling.  edium stiff, saturated, dark gray, we sandy SILT; with organics (peaty).	ense, wel, yellowish-brown, ity, fine SAND with gravel.  S-1  see, wel, dark brownish-gray, y, fine SAND; trace rust mottling.  S-2  edium stiff, saturated, dark gray, we sandy SILT; with organics (peaty).  S-3  ring terminated at approximately	ense, wel, yellowish-brown, ity, fine SAND with gravel.  5-1 32  see, wel, dark brownish-gray, y, fine SAND; trace rust mottling.  5-2 6  edium stiff, saturated, dark gray, we sandy SILT; with organics (peaty).  5-3 5	ense, wel, yellowish-brown, ity, fine SAND with gravel.  5-1 32 4  isse, wel, dark brownish-gray, y, fine SAND; trace rust mottling.  5-2 6 7  edium stiff, saturated, dark gray, we sandy SILT; with organics (peaty).  5-3 5 13	ense, wel, yellowish-brown, ilty, fine SAND with gravel.  5-1 32 4  see, wel, dark brownish-gray, y, fine SAND; trace rust mottling.  5-2 6 7  ATD  ATD  Aring terminated at approximately	ense, wet, yellowish-brown, ity, fine SAND with gravel.  S-1 32 4  see, wet, dark brownish-gray, y, fine SAND; trace rust mottling.  S-2 6 7  ATD  ATD  ATD  ATD  ATD  ATD  ATD  AT

Drilling completed: 08 June 1990

iroui	nd surface elevation: Casing	eleva	tion:				AS-BUILT DESIGN	5
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	HEAD	GROUND	No Well Installed.	TESTING
0 -	Asphalt			-				
	Moist, dark brown, silty, fine SAND and gravel with some cobbles (Fill)							
5 -	Medium dense, moist, dark green, silty, fine SAND with gravel and petroleum hydrocarbon-like odor observed.		5-1	14	884			8015 8020
2								
	Firm to stiff, wet, dark greenish-gray, fine, sandy SILT with petroleum \hydrocarbon-like odor.		5-2	13	6000+			8015 8020
10 -	Medium dense, moist, dark gray, silty, fine sand with petroleum hydrocarbon-like odor.		-					
	Fine, sandy SILT, interbedded with some organics (peaty).		5-3	12	23	ATD		
15 -	Baring terminaled at approximately 14 feet							
20 -								
25 -	_							
30 -								
-			grounds time of			]	RZA RITTEMHOUSE-ZEMAN ASSOCIATES, INC.  Geolechnical &	ė.

Drilling completed: 08 June 1990

Drilling completed: 08 June 1990

	tion reference: 100.00 feel Well co nd surface elevation: Casing						AS-BUILT DESIGN	9
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	HEAD SPACE	GROUND	No Well Installed.	TESTING
0 -	Surface: bare ground. Moist, brown, silty, fine SAND with gravel and some cobbles (Fill)							
5 "	Very dense, moist, dark brown, silty, fine SAND with gravel, (cobble at 3 feet; blow count probably not representative of soil)		5-1	50/6"	4			
	Medium dense, moist, dark gray, silty fine SAND with petroleum hydro-		5-2	17	5000+			8015 8020
10 -	carbon like odor.							8020
	Wedium stiff, saturated, dark gray, fine, sandy SILT with some organics; some sitty fine SAND interbeds.				į į	ATD		0045
	Becomes grayish-tan.		5-3	5	211			8015 8020
20 -								
30 4	LEGEND 2-inch 0.D.	erved (	groundy lime of	ater le drillir	evel ag)		RZA RITTEMHOUSE-ZEMAN ASSOCIATES, INC. Geolechnicel & Environmental Consult 1400 140th Ave NE	

Drilling completed: 08 June 1990

	and surface elevation: Cas	sing el					AS-BUILT DESIGN	ING
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	HNU	GROUND		TESTING
0 -	Aspholl				-	-	42 7 7 4 4 6 4 7	
		1					No well installed	
	Medium dense moist, dark brown, silty, fine SAND; with some gravel (fill).		5-1	19	1			
5 -			-	-	-	-		
	Loose, moist, dark brownist-gray, silty, fine SAND.							
	decreasing sill content.		5-2	7	0			8015 8020
10		-	-		-	-		11111
						VIO		
	Very loose, saturated, dark brownish-gray, silty, line SAND.		5-3	1	<1			8015 8020
15 -	Boring terminated at approximately 14 feet							
		1						
		1						
20 -		-		-		-		
		+						
		-						
		1						
-								
25 -		-	-	-	1 12	-		
		-						
-								
		1						
-								
30		1_		<u></u>		L	Well completed:	
	LEGENI						RZA RITTENHOUSE-ZEMAN	ř
		ed groun at time					Geolechnical & Environmental Consult 1400 140th Ave NE Bellevue, Washington	

Drilling started: 26 July 1990

Drilling completed: 26 July 1990

Logged by: AUS

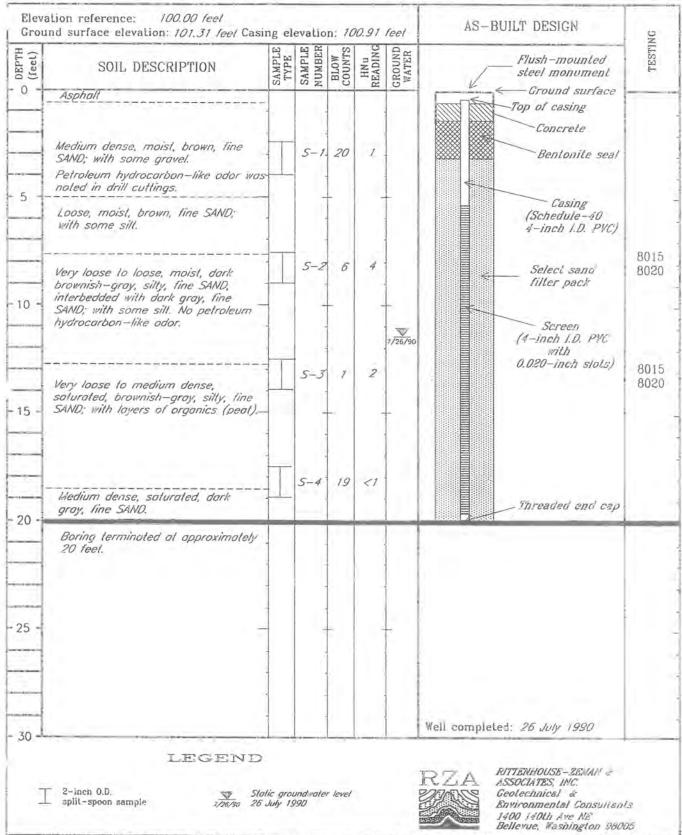
	and surface elevation: Casi		evatio				AS-BUILT DESIGN	SKG
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	HNU	GROUND		TESTING
0	Asphalt							-
	Medium dense, moist, black, silty, fine SAND; with some organics and gravel (fill).		5-1	21	5		No well installed	8015 8020
5 -			1 3		-			
		5						
	Very loose to loose, moist, brownish- gray, silty, fine SAND, interbedded with dark brownish-gray, fine SAND;	_	5-2	7	0			8015
-	with some sill.	$\perp$						8020
10 -			-		-			
	becomes saturated; with organics					ATD.		
	(peaty).	T	5-3	6	<1			
15 -	Boring terminated at approximately 14 feet.							
30 -		1					Well completed:	
			oundwal me oi d				RZA RITTEMHOUSE-ZEMAN ASSOCIATES, INC. Geotechnical & Environmental Consul	

Drilling started: 26 July 1990

Drilling completed: 26 July 1990

Logged by AUS

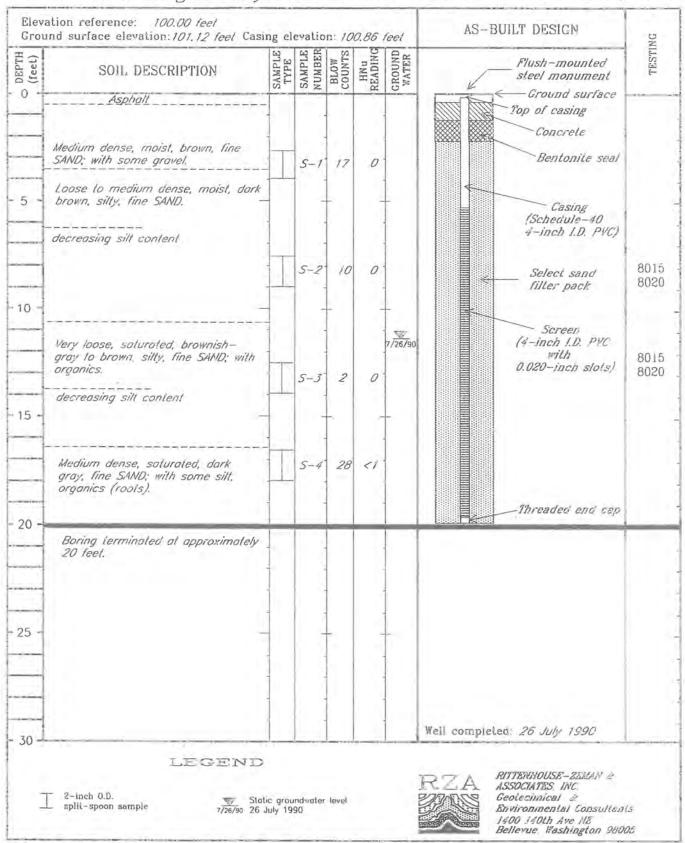
_	und surface elevation: Casi		evatio				AS-BUILT DESIGN	ING
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	READING	GROUND		TESTING
	Asphall							-
							No well installed	
5 -	Medium dense, moist, grayish- brown, fine SAND; with some gravel, silt, and red brick (fill).		5-1	17	2			
	Loose, moist, dark brownist-gray, fine SAND; with some silt.		5-2	8	2			8015 8020
			3-2		2			0021
0	Loose, moist, dark brown, fine SAND.							
						ATD		50.0
	Loose, salurated, brownish-gray, silty, fine SAND; with organic layers.	T	5-3	j	<1		Note: sample S-3 had a cesspool- like odor.	8015 8020
20 -	Boring terminated at approximately 14 feet.							
30 -		1					Well completed:	
-		rved gr	oundwa me of c				RZA RITTENHOUSE-ZEMAN & ASSOCIATES INC. Geolechnical & Environmental Consultant	S



Drilling completed: 26 July 1990

Logged by: AJS

Drilling started: 26 July 1990



Drilling started: 26 July 1990

PROJECT

Drilling completed: 26 July 1990

Logged by: AJS

	und surface elevation: Casi		evatio		-		AS-BUILT DESIGN	- SN
(feet)	SOIL DESCRIPTION	SAMPLE	SAMPLE	BLOW	HMU	GROUND		TESTING
0 -	Asphalt				-			
5	Medium dense, moist, greenish-gray, fine SAND; with some gravel and silt (fill) with petroleum hyrdocarbon- like odor.		5-1	12	2		No well installed	8015 8020
10 -	Loose, moist, dark groy, fine SAND; with some sill, interbedded with dark gray, fine SAND with petroleum hydrocarbon-like odor.		5-2	10	2			8015 8020
-								
_						VID	5.2.3.2.2.2.3.2.	
	Loose, saturated, brownish-gray, silty, fine SAND; with organic layers.	I	5-3	1	0		Note: sample 5-3 had a cesspool-like odor	
20 -	Boring terminated at approximately						Well completed:	
-	LEGEND  2-inch 0.D.  split-spoon sample  UCCEND  Observe	d grou	ndwaler ling	level			RZA RITTENHOUSE-ZEMAN A ASSOCIATES, INC. Geotechnical & Environmental Consult 1400 140th Ave NE Bellevue, Washington &	anls

Drilling started: 26 July 1990

Drilling completed: 26 July 1990

Logged by: AJS

# **APPENDIX F**

### APPENDIX F

### FIELD EXPLORATION METHODS

G-Logics performed subsurface soil and groundwater sampling during the assessment conducted on the subject property. The sampling activities were conducted in general accordance with Ecology's guidelines and regulations.

### **Underground Utility Clearance**

Before conducting the subsurface exploration, G-Logics contacted a service that notifies public utilities of proposed subsurface investigations. Additionally, on-site private utilities were located by a private locating company to identify on-site utilities as well as specific areas of concern. Consequently, the below-grade utility locations were identified by marking their inferred location on the ground surface. This information was used to aid in identifying sampling locations.

### **Quality Assurance Quality Control**

Quality Assurance/Quality Control (QA/QC) for the presented scope of work included generally accepted procedures for sample collection, storage, tracking, and documentation. All sampling equipment was washed and rinsed before the collection of the samples. All samples were labeled with a sample number, date, time, and sampler name, and were stored in an ice chest containing frozen "blue ice". Appropriate chain-of-custody documentation was completed.

#### General

G-Logics developed a health and safety plan for this project before the start of fieldwork.

### **Direct Push Soil Sampling**

A probe subcontractor (ESN Northwest Probe and Drilling, Olympia, WA) performed the probe drilling at this site. The direct-push probe used for this work consisted of a 2-inch Macrocore sampler, in lengths of five feet. Continuous soil samples were obtained by driving/pushing this sampler, containing an acrylic liner, to the sampling depth. At



numerous boring location, the first 5-6 feet of soils were removed using air-knife methods (see attached boring logs). After reaching the required depth, the sampler was retrieved and opened. The collected soils contained within the acrylic liner were removed and placed into laboratory-provided glass jars. Samples were collected from the soil core using an Easy Draw Syringe and Powerstop Handle. The soil plug was then extruded into a laboratory-supplied 40 ml VOA Vial containing methanol preservative. New liners were used for each sampling attempt.

Collected soil samples were evaluated for evidence of contamination by visible discoloration of the soil sample or VOCs detected by the PID. A portion of each soil sample was placed into a plastic zip-lock bag, and the vapors were drawn through the PID for qualitative screening of VOCs. The vapor readings were documented on the attached boring logs. A new plastic bag was used each time a sample was screened.

The soils were then observed and categorized for grain-size, color, moisture, odor, staining, sheen, and any other indications of contamination. This information was recorded on field boring logs (attached). Samples were collected where indications of contamination were observed or from where contamination would likely be present (i.e. at the groundwater interface).

Upon completion of each soil boring the resulting hole was either backfilled with bentonite and the ground surface restored to match original or a monitoring well was installed. All soil cuttings were collected and placed into a waste drum for proper disposal (determined by analytical results).

Collected samples were labeled with a sample number, date, time, and sampler's name and stored in an ice chest containing frozen "blue ice". Chain-of-custody procedures were followed to document sample handling.

### **Groundwater Monitoring Well Construction, Strataprobe Methods**

Select soil borings, completed as groundwater monitoring wells, were constructed in the following manner (see attached boring logs):

- To construct the well, 4- inch steal probe casing was driven to the desire depth for the well to be completed.
- The well casing materials consisted of 1-inch or 2-inch, diameter, flush-threaded, schedule 40 PVC pipe.



- The screened interval of the well casing was perforated with 0.010-inch factory-cut slots.
- The annular seal of the well consisted of granulated bentonite.
- All PVC casing materials were factory-cleaned before installation.
- The bottom of the well casing was sealed with a threaded cap. Blank (non-slotted) riser casing was used to extend the well from the top of the screened interval to ground surface. The length of the screened interval is identified on the boring logs.
- Well construction was accomplished by lowering the well casing into the open probe casing. The probe casing was then withdrawn from the boring and the resulting annular space was backfilled with clean 10/20 silica sand and granulated bentonite to the depth shown on the boring logs.
- The well casing was sealed at the ground surface with a watertight expansion cap or PVC slip cap.
- A tamper-resistant steel cover was set over the well, flush to the ground surface. The cover was grouted in place with concrete.
- A reference point was marked on the top of the PVC well casing for consistent groundwater depth measurements.
- An Ecology well identification tag was placed inside the well box.

### **Groundwater Monitoring Well Construction, Hollow-Stem Auger Methods**

Select soil borings, completed as groundwater monitoring wells, were constructed in the following manner (see attached boring logs):

- The well casing materials consisted of 2-inch-diameter, flush-threaded, schedule 40 PVC pipe.
- The screened interval of the well casing was perforated with 0.010-inch factory-cut slots.
- The filter pack for the well consisted of clean, 10/20 silica sand.
- The annular seal of the well consisted of granulated bentonite.
- All PVC casing materials were cleaned at the factory before installation.
- The bottom of the well casing was sealed with a threaded sediment cup. Blank (non-slotted) riser casing was used to extend the well from the top of the screened interval to ground surface. The length of the screened interval is identified on the boring logs.



- Well construction was accomplished by lowering the casing, into the completed boring, through the inside of the hollow-stem augers. The augers were withdrawn from the boring about three feet, and the resulting annular space around the well screen was backfilled with sand (poured through the top of the hollow-stem augers). This process was repeated until the filter pack was installed to about two feet above the top of the screened interval. The augers were completely withdrawn from the boring, and the annular space around the blank riser was backfilled with granulated bentonite to the depth shown on the boring logs.
- The well casing was sealed at the ground surface with a watertight expansion cap or PVC slip cap.
- A tamper-resistant steel cover was set over the well, flush to the ground surface. The cover was grouted in place with concrete.
- A reference point was marked on the top of the PVC well casing for consistent groundwater depth measurements.
- An Ecology well identification tag was placed inside the well box.

### **Well Development**

After monitoring well construction and prior to purging the wells for sampling, the wells were developed. Over pumping, or removing water from the well at a rapid rate, was the devolvement technique used. An in-well Whale "Mini" 12DVC Purge Pump" was lowered to near the bottom of the well screen, and connected to a 12-volt power source. A swab/surge development technique also was also used. This movement was created by both lifting and lowering the pump, and by periodically turning the pump off and allowing the suspended water column to rapidly flow back down into the well. Well development continued until the initially turbid water turned nearly clear. This process was repeated until approximately 15-25 gallons of groundwater had been removed.

### Water Level Measurements in Wells

Water level measurements were referenced to the top of the well casing. The static water level was measured in each monitoring well using a conductivity type, water level probe (Keck Model 1213, Flat Tape Water Level Meter). The conductivity probe on the water level meter was lowered into the well until the instrument detected water. The tape on the probe was used to obtain a depth-to-water measurement, from the reference point, to within 0.01 feet.



#### **Measurement of LNAPL Thickness in Wells**

In monitoring wells where LNAPL was present, the thickness of the LNAPL was measured using an interface probe (Solinst Mini Interface Meter). The static water level measurement was first attempted in the monitoring well. When the interface probe reached LNAPL, a solid beep from the instrument sounded and continued as the probe passed through it. The probe was slowly lowered past the LNAPL until the constant beep stopped and an intermittent beeping occurred (indicating the probe is in water). The measurement to static water level was then recorded. The probe was then slowly pulled up from the static water level by pinching the measuring tape at the reference point. The tape was then pulled through the LNAPL until the solid beep was silenced and a thickness measurement was obtained from the tape at the reference point (depth to static water level subtracted by depth to LNAPL). Since passing the probe through LNAPL can coat the probe (thereby providing unreliable measurements), the thickness measurement was repeated multiple times until a confident field reading was obtained. The thickness was then recorded with a precision of 0.01 feet. If a constant beep occurred but no measurable thickness was present, the LNAPL thickness is considered as either trace amount, or considered to be a sheen.

### Monitoring Well Sampling, Peristaltic Pump Method

A G-Logics employee sampled groundwater wells in accordance with the following protocol:

- Prior to sampling, monitoring wells were purged using a peristaltic pump and low-flow procedures.
- The height of the water column within the well was calculated by subtracting the depth to water from the total depth of the well.
- Polyethylene tubing was lowered into the water column to a depth of one third to one half the height of the water column for purging and sampling.
- The flow was adjusted as necessary to prevent the groundwater level from dropping more than 10 percent.
- Field parameters were measured using a multi-parameter meter (YSI ProDSS) in purged ground water as it discharged through a flow-through cell.
- Field parameters were periodically measured (e.g., every five minutes) and recorded during well purging.
- Upon stabilization, the flow through cell was removed and groundwater samples were collected.



- The contract laboratory prepared the sample containers to conform to EPA-recommended preservation techniques for the analytes of concern.
- Groundwater samples were collected with a peristaltic pump. Sample containers were open only as long as necessary to collect the samples.
- Sample bottles were labeled with a sample number, date, time, and G-Logics employee's name and were stored in an ice chest containing frozen "blue ice". Chain-of-custody procedures were followed to document sample handling.
- All purge water was collected and placed into waste drums for proper disposal (determined by analytical results).
- Dedicated tubing was used at each sampling location.

### **Stormwater and Catch-basin Solid Sampling**

A G-Logics employee sampled surface water as discussed in Section 4.2.2 of the approved workplan, stormwater and catch basin solids sampling was attempted. The EPA's Industrial Stormwater Sampling Guide also was referenced for sampling protocols.

- The collection of Stormwater was attempted within 24-hours of a significant rain event. The Collection of catch-basin solids was attempted with 72-hours after the same rain event that the stormwater was collected.
- Stormwater and catch-basin solids samples were collected by attaching stainless steel sampling cup to the end of an extension pole. To collect stormwater, a sample bottle was placed inside the cup, then lowered into the catch basin beneath the upstream outfall pipe to collect stormwater directly from the upstream source water. Sample containers were open only as long as necessary to collect the samples.
- To collect solids, the sample cup was washed and rinsed before each sampling was attempted. The cup was then lowered into the catch basins where attempts to collect solids were made. Attempts to collect catch basin solids samples were made from several discrete locations in the catch basin (from each corner and the center of the catch basin).
- Sample bottles were labeled with a sample number, date, time, and sampler's name and stored in an ice chest containing frozen "blue ice". Chain-of-custody procedures were followed to document sample handling.



# **APPENDIX G**

	RESOURCE PROTECTION V	VELL REPORT	CURRENT	Notice of Inte	ent No. <u>AE</u>	39497
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cept responsibility for construction of this well, and its compliance with all ashington well construction standards. Materials used and the information		t/Long (s, t, r	Lat Deg	MinSec
ported above are true to my best knowledge and	Company of the property of the control of the contr	II REQUIRED)		MinSec
] Driller  Engineer Traince		x Parcel No.0323	3049064	
ame (Print Last First Name) Pickering, Cole	Ca	sed or Uncased I	Diameter 2"	Static Level
briller/Engineer /Trainee Signature	die in dir	ork/Decommission		
Autority of Marie Co. 1. St. Marie Co.	1	ork/Decommission		D. C. (1991) L. D.
f trainee, licensed driller's Signature	and Dicense Humber.	ork/Decommissio	ni Completed Di	ato 12/17/10
Congo Hamani	2504			
Construction Design	Well Data		For	mation Description
	MONUMENT TYPE:	×		and thorona and dual
	flush vault			NOT OBSERVED - WEL
			WAS DECO	MMISSIONED
	REMOVED MONUMENT	: SINO		
			REMOVED N	MONUMENT: (DES / NO
		9.0	8	
	18		C. C	
			I MELL W	AS CHIPPED/GROUTED II
			PLACE	AS CHIPPED/GROUTED II
				AS CHIPPED/GROUTED II
	PVC BLANK:		PLACE	
	PVC BLANK:		PLACE	
	PVC BLANK:		PLACE  ALL CAS BACKFILLEI	ING WAS REMOVED AND D BOTTOM UP
	PVC BLANK:		PLACE  ALL CAS BACKFILLEI	ING WAS REMOVED AND D BOTTOM UP
			PLACE  ALL CAS BACKFILLEI	ING WAS REMOVED AND D BOTTOM UP
	PVC BLANK:		PLACE  ALL CAS BACKFILLEI  Well  with	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled
			PLACE  ALL CAS BACKFILLEI  Well  with	ING WAS REMOVED AND D BOTTOM UP
			PLACE  ALL CAS BACKFILLEI  Well  with	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled
			PLACE  ALL CAS BACKFILLEI  Well  with	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled
			PLACE  ALL CAS BACKFILLEI  Well  with	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled
			PLACE  ALL CAS BACKFILLEI  Well  with  remoth  both	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled 40m Up.
			PLACE  ALL CAS BACKFILLEI  Well  with  remoth  both	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled
			PLACE  ALL CAS BACKFILLEI  Well  with  remote  bot	ING WAS REMOVED AND D BOTTOM UP  was overdrilled 8-inch auger, pvc ved, back filled Hom Up.
			PLACE  ALL CAS BACKFILLEI  Well  with  remote  bot	was overdrilled 8-inch auger, pvc ved, backfilled 40m Up.

VELL INSTALLED)	Type of Well ("x in box)  Resource Protection Geotech Soil Boring  Property Owner Sandhu Rajbir		
nt Number: Property Own			
	0805 International Tukwila Blvd		
City Tukwila	County King		
434 (EW-9) Location SE1	/4-1/4 <u>SE</u> 1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u>		
ON: I constructed and/or EWM 🛛 or V	WWM 🗌		
its compliance with all  Lat/Long (s. t.	r Lat Deg Min Sec		
Tax Parcel No	Tax Parcel No.0323049064		
Victoria Cased or Unc	ased Diameter Static Level		
	mission Start Date 12/8/16		
	mission Completed Date 12/14/16		
d Diceille i danieri	mission completed Date 12/14/10		
2501			
Well Data	Formation Description		
MONUMENT TYPE:			
flush vault	FORMATION NOT OBSERVED - WELL		
	WAS DECOMMISSIONED		
REMOVED MONUMENT: YES NO			
	REMOVED MONUMENT: (E) / NO		
	□ WELL WAS CHIPPED/GROUTED IN		
1	PLACE		
	1, 2, 2, 2		
PVC BLANK:	□ ALL CASING WAS REMOVED AND		
	BACKFILLED BOTTOM UP		
	N " drilled		
	Well was over		
SCREEN:	Well was overdrilled with 8" auger, ove removed, back filled		
Bekelett	removed, back to the		
*	bottom up.		
	The state of the s		
* 1	RECEIVED		
	JAN 09 2017		
Asset Services			
	COMMITTING THE PROPERTY OF THE		
WELL DEPTH: 43	DEPT OF ECOLOGY NWRO - WR		
	The Number:  At Number:  At Number:  At Your (EW-9)  ON: I constructed and/or its compliance with all sed and the information ief.  At Vickering (S, t, still REQUIR Tax Parcel No. Cased or Unc. Work/Decome Work/Decome Work/Decome Work/Decome Work/Decome Work/Decome REMO VED MONUMENT TYPE:  At Vickering (S, t, still REQUIR Tax Parcel No. Cased or Unc. Work/Decome		

SUBMIT ONE WELL REPORT PER SUBMIT ONE WELL REPORT PER SUBMIT ONE WELL REPORT PER SUBMIT ONE WELL REPORT PER SUBMIT ONE WELL REPORT PER SUBMIT ONE WELL REPORT PER SUBMIT OF SUBM	WELL INSTALLED)	CURRENT	Notice of Intent No. AE39497  Type of Well ("x in box)  ☐ Resource Protection ☐ Geotech Soil Boring		
RIGINAL INSTALLATION Notice of Inte	PRIGINAL INSTALLATION Notice of Intent Number:		Property Owner Sandhu Rajbir Site Address 10805 International Tukwila Blvd		
PRIGINAL INSTALLATION Notice of Inte					
onsulting Firm		City <u>Tukwila</u> County <u>King</u> Location <u>SE</u> 1/4-1/4 <u>SE</u> 1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u> EWM ⊠ or WWM □			
Inique Ecology Well IDTag No. N/A	(MW-10)				
₩ VELL CONSTRUCTION CERTIFICATI					
ccept responsibility for construction of this well, and /ashington well construction standards. Materials uported above are true to my best knowledge and be	coept responsibility for construction of this well, and its compliance with all vashington well construction standards. Materials used and the information sported above are true to my best knowledge and belief.  Driller  Engineer Trainee  Trainee (Print Last, First Name) Pickering, Cole		Lat Deg Min Sec  Long Deg Min Sec		
1 Driller C Engineer Trainee			3049064		
lame (Print Last, First Name) Pickering, Cole			Diameter 2 Static Level		
Driller/Engineer /Trainee Signature Cold	YICK! /1.50				
_ /Inter of Trainee Diceise No. 3210	THICK OF TRAINER DICEISE NO. 3210		on Start Date <u>12/8/16</u>		
f trainee, licensed driller's Signature ar	nd License Number:	Work/Decommission	on Completed Date 12/14/16		
Construction Design	Well D	Data	Formation Description		
T Warranty the Data and	MONUMENT TYPE  Flush  REMOVED MONUM  PVC BLANK:  SCREEN:	E:	FORMATION NOT OBSERVED - WELL WAS DECOMMISSIONED  REMOVED MONUMENT: Y 1 NO  WELL WAS CHIPPED/GROUTED IN PLACE  ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP  Well was over drilled with 8-inch anger to so feet, PVC removed, back filled bottom ap.		
The Department of Ecology does NC	WELL DEPTH:	20-	JAN 09 2017 DEPT OF ECOLOGY NWRO - WR		

RESOURCE PROTECTION VIOLENTE ONE WELL REPORT PER WELL Construction/Decommission ("x" in box)  Construction Decommission	WELL REPORT ELL INSTALLED)	Type of Well ("x in box)  ☐ Resource Protection ☐ Geotech Soil Boring		
PRIGINAL INSTALLATION Notice of Intent	Number:	Property Owner Sandhu Rajbir		
PRIGINAL INSTALLATION Notice of Intent R 036366  Consulting Firm Inique Ecology Well IDTag No.		Site Address 10805	International Tukwila Blvd	
consulting Firm			County King	
Inique Ecology Well IDTag No	4 (mw-11)		SE1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u>	
		EWM 🖾 or WWM		
VELL CONSTRUCTION CERTIFICATION cept responsibility for construction of this well, and its	s compliance with all			
lashington well construction standards. Materials used	and the information	Lat/Long (s, t, r	Lat Deg MinSec	
ported above are true to my best knowledge and belief		still REQUIRED)	Long DegMinSec	
/ashington well construction standards. Materials used ported above are true to my best knowledge and belief  ] Driller □ Engineer ▼ Trainee   Tr		Tax Parcel No.0323049064		
ame (Print Last, First Name) Pickering, Cole  Priller/Engineer / Trainee Signature	Vicke in car	Cased or Uncased I	Diameter Static Level	
Oriller or Trainee License No. 3216	TIERESTINA		on Start Date 12/8/16	
f trainee, licensed driller's Signature and	License Number:	Work/Decommission	on Completed Date 12/14/16	
mya Harnden I.	50 8			
Construction Design	Well I	Data	Formation Description	
Construction Design	MONUMENT TYP			
Construction Design	Flush  REMOVED MONUM  PVC BLANK:  SCREEN:	ient: Æ/no	FORMATION NOT OBSERVED - WELL WAS DECOMMISSIONED  REMOVED MONUMENT: PS / NO  WELL WAS CHIPPED/GROUTED IN PLACE  ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP  WELL WAS Overdrilled to 20 with 8-inch auger, pre removed, auger, backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled bottom well be a selected by the backfilled by the backfilled bottom well be a selected by the backfilled by the	
	WELL DEPTH:	20 -	JAN 09 2017 DEPT OF ECOLOGY NWRO - WR	

RESOURCE PROTECTION SUBMIT ONE WELL REPORT PER W Construction/Decommission ("x" in box) Construction Decommission	WELL REPORT ELL INSTALLED)		Notice of Intent No. AE39497  Type of Well ("x in box)  ☐ Resource Protection ☐ Geotech Soil Boring	
PRIGINAL INSTALLATION Notice of Intent Number:  Ro36366		Property Owner Sandhu Rajbir Site Address 10805 International Tukwila Blvd		
				onsulting Firm
VELL CONSTRUCTION CERTIFICATION: I constructed and/or scept responsibility for construction of this well, and its compliance with all /ashington well construction standards. Materials used and the information sported above are true to my best knowledge and belief.		Location <u>SE</u> 1/4-1/4 <u>SE</u> 1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u>		
		EWM 🖾 or WWM 🗌  Lat/Long (s, t, r Lat Deg Min Sec  still REQUIRED) Long Deg Min Sec		
		Tax Parcel No.032		
Jame (Print Last, First Name) Pickering, Cole	Oiche Con	Cased or Uncased	Diameter Static Level	
Driller or Trainee License No. 3216	TILLETTION			
f trainee, licensed driller's Signature and	License Number:	Work/Decommission Completed Date 12/14/16		
man Havnam e	,,,			
Construction Design	Well I	Data	Formation Description	
	MONUMENT TYP	E:		
	flush		FORMATION NOT OBSERVED - WELL	
			WAS DECOMMISSIONED	
	REMOVED MONUM	ENT: (E)/NO	REMOVED MONUMENT: (ES) / NO	
		4	□ WELL WAS CHIPPED/GROUTED IN PLACE	
	PVC BLANK:		ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP	
	SCREEN:		of well was overdrilled to 20' feet with 8-inch auger, PUC removed, backfilled bottom up.	
	WELL DEPTH:	20-	JAN 09 2017 DEPT OF ECOLOGY NVRO. WR	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SUBMIT ONE WELL REPORT PER W Construction/Decommission ("x" in box)  Construction Decommission  RIGINAL INSTALLATION Notice of Intention R 0 3 6 3 6 6  Consulting Firm Inique Ecology Well IDTag No.  VELL CONSTRUCTION CERTIFICATION Compton responsibility for construction of this well, and in least ingreated above are true to my best knowledge and belied  Driller  Engineer Trainee  In Driller  Engineer Trainee  In Cole  Driller Trainee License No. 3216  I trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee, licensed driller's Signature and Cole  Trainee License No. 3216	Construction Decommission  PRIGINAL INSTALLATION Notice of Intent Number:  Ro36366  Consulting Firm  Inique Ecology Well IDTag No.  VELL CONSTRUCTION CERTIFICATION: I constructed and/or coept responsibility for construction of this well, and its compliance with all /ashington well construction standards. Materials used and the information ported above are true to my best knowledge and belief.  Driller Engineer Trainee  lame (Print Last, First Name) Pickering, Cole  Driller/Engineer / Trainee Signature  Cole Vicker, rog  Driller or Trainee License No. 3216  F trainee, licensed driller's Signature and License Number:  Man Hamalin 2568  Construction Design  Well I  MONUMENT TYP  F/ush  REMOVED MONUM	SUBMIT ONE WELL REPORT PER WELL INSTALLED)  construction/Decommission ("x" in box)  ☐ Decommission  ☐ Ro36366  ☐ Site Address 10803  ☐ City Tukwila  ☐ Location SE1/4-1/4  ☐ EWM ☐ or WWM  ☐ Lat/Long (s, t, r still ReQUIRED)  ☐ Driller ☐ Engineer ☐ Trainee  ☐ Trainee   Trainee Signature ☐ Cole Pickering Cole ☐ Driller/Engineer / Trainee Signature and License Number: ☐ Trainee, license deriller's Signature and License Number: ☐ MONUMENT TYPE: ☐ Flush  ☐ Removed Monument: ☐ Property Owner Sa  Site Address 10803  City Tukwila  ☐ Location SE1/4-1/4  ☐ EWM ☐ or WWM  ☐ Lat/Long (s, t, r still ReQUIRED)  ☐ Tax Parcel No.032  ☐ Cased or Uncased ☐ ☐ Work/Decommission  ☐ Work/Decommission  ☐ MONUMENT TYPE: ☐ Flush ☐ Removed Monument: ☐ Flush ☐ Removed Mon	

SUBMIT ONE WELL REPORT PER Construction/Decommission ("x" in box	WELL INSTALLED)	Type of Well ("x in box)  Note that the second of the sec		
☐ Construction		Resource Protection Geotech Soil Boring		
☐ Decommission    DRIGINAL INSTALLATION Notice of Interpretation	ent Number	Property Owner San		
DRIGINAL INSTALLATION Notice of Intel			International Tukwila Blvd	
Consulting Firm		City Tukwila	County King	
Consulting Firm	1782 (MW-13)		SE1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u>	
WELL CONSTRUCTION CERTIFICAT		EWM 🛛 or WWM	EWM ⋈ or WWM □	
ccept responsibility for construction of this well, an Vashington well construction standards. Materials	d its compliance with all	Lat/Long (s, t, r	Lat Deg Min Sec	
ported above are true to my best knowledge and be	lief.	still REQUIRED)	Long DegMinSec	
☐ Driller ☐ Engineer 🛣 Trainee	Υ.	Tax Parcel No.032	3049064	
Jame (Print Last, First Name) <u>Pickering, Cole</u> Driller/Engineer /Trainee Signature <u>Col</u>	e Vickerina	Cased or Uncased 1	Diameter 2 "Static Level	
ported above are true to my best knowledge and be ported above are true to my best knowledge and be lame (Print Last, First Name) Pickering, Cole  Driller/Engineer /Trainee Signature	1,000/1-5		on Start Date 12/8/16	
	A Y farmer Number		on Completed Date 12/14/16	
f trainee, licensed driller's Signature a	na License Number:	Work Decommission		
			and the second second	
Construction Design	Well I	Data	Formation Description	
	removed monum		FORMATION NOT OBSERVED – WELL WAS DECOMMISSIONED  REMOVED MONUMENT: YES / NO	
Construction Design	PVC BLANK:	-	☐ WELL WAS CHIPPED/GROUTED IN PLACE ☐ ALL CASING WAS REMOVED AND	
	SCREEN:		BACKFILLED BOTTOM UP  So well was averdrilled  aith 8-inch augur to  ay feet PVC removed,  backfilled bottom up.	
	WELL DEPTH:	24-	JAN 09 2017 DEPT OF ECOLOGY NWRO - WR	

Report	RESOURCE PROTECTION SUBMIT ONE WELL REPORT PER V Construction/Decommission ("x" in box) Construction Decommission	WELL INSTALLED)	CURRENT	Notice of Intent No. AE39497  Type of Well ("x in box)  ☐ Resource Protection ☐ Geotech Soil Boring
=	RIGINAL INSTALLATION Notice of Inte	nt Number:	Property Owner San	ndhu Rajbir
Well	## A CONSTRUCTION CERTIFICATION: I constructed and/or		Site Address 10805	International Tukwila Blvd
this			City Tukwila	County King
£			Location SE1/4-1/4	SE1/4 Sec 04 Twn 23 R 04
5			EWM 🛛 or WWM	
ĕ	cept responsibility for construction of this well, and ashington well construction standards. Materials u	l its compliance with all	Lat/Long (s, t, r	Lat Deg Min Sec
.0	ported above are true to my best knowledge and bel	ief.	still REQUIRED)	Long Deg Min Sec
ğ	] Driller   Engineer   Trainee	,	Tax Parcel No.0323	
Ε	ame (Print Last First Name) Pickering, Cole	0:14:5-0	Cased or Uncased I	Diameter Static Level
nformatio	Driller/Engineer /Trainee Signature Cold	Tickering .		on Start Date 12/8/16
_				on Completed Date 12/14/16
¥	f trainee, licensed driller's Signature and	d License Number:	work/Decommissio	on Completed Date 12/14/10
Ē	Mys fravnam 25		Y	
≗	Construction Design	Well I	Data	Formation Description
2		MONUMENT TYP	E:	
6		flush		FORMATION NOT OBSERVED - WELL
at				WAS DECOMMISSIONED
theD		REMOVED MONUM	ient: 🕬/NO	REMOVED MONUMENT: YES / NO
Warranty the Data and/or the		-	*	□ WELL WAS CHIPPED/GROUTED IN PLACE
=		PVC BLANK:		BACKFILLED BOTTOM UP
cology doe		SCREEN:	(	or well was overdrilled to 25 feet with 8-inch anger, pre removed, backfilled bottom up.
The Department of Ecology does NC		WELL DEPTH:	24′	RECEIVED  JAN 0 9 2017  DEPT OF ECOLOGY  NWRO - WR

ᅙ	RESOURCE PROTECTION SUBMIT ONE WELL REPORT PER W. construction/Decommission ("x" in box)	ELL INSTALLED)		Type of Well	
완	Construction Decommission				Soil Boring
	ORIGINAL INSTALLATION Notice of Inter	nt Number:	Property Owner Sar	ndhu Rajbir	
9	R0666 93		Site Address 10805	International T	ukwila Blyd
S				Count	
S	Inique Ecology Well IDTag No. APM	449 (MW-15)	Location SE1/4-1/4	SE1/4 Sec 04 T	Twn 23 R 04
5	VELL CONSTRUCTION CERTIFICATION	A State of the second second	EWM 🛛 or WWM		
2	cept responsibility for construction of this well, and	its compliance with all	Lat/Long (s, t, r		MinSec
ਠੁ	/ashington well construction standards. Materials us ported above are true to my best knowledge and belie		still REQUIRED)		
Intormatio	] Driller   Engineer   Trainee	1	Tax Parcel No.0323	Long Deg 3049064	
E	ame (Print Last, First Name) Pickering, Cole		Cased or Uncased I	T	Static Level
2	Driller/Engineer /Trainee Signature Cole	rickering,	residence And Committee Committee	7.00.07.00.00	
	Filler or Trainee License No. 3216		Work/Decommission		
ī	f trainee licensed driller's Signature and	License Number:	Work/Decommission	on Completed D	ate 12/14/16
=	Unia Harnden 2508				
I warranty the Data and/or the	Construction Design	Well	Data	For	mation Description
2		MONUMENT TYP	E:		
P		flush			N NOT OBSERVED - WELL
ğ		1,441//		WAS DECO	MMISSIONED
3		REMOVED MONUM	ENT: ENO		
얼		Manager 14, 23, 24		REMOVED I	MONUMENT: YES / NO
₽					•
€			~		-
ਗ਼੍ਹ		1			
틍		1		PLACE	AS CHIPPED/GROUTED IN
\$				FLACE	
Ξ		PVC BLANK:		1	WE WAS SELECTED AND
ź		3 (18 6 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			ING WAS REMOVED AND D BOTTOM UP
Š					1 11 0
ŏ				& Well	was overdrilled
2		24.00		10 2	was overdrined  5 feet with 8 inch  , pre removed,  le filled bottom-up
6		SCREEN:		auge	, pre removes,
읒				hack	efilled bottom up
೮				war.	
י					
0					
he Department of Ecology does NO				R	ECEIVED
Ĕ				1.0	and the S VI Beat God
E				11	M 0 2017
8					AN 09 2017
क्		WELL DEPTH:	25	DEPT	OF ECOLOGY WRO - WR
2		WELL DEFIN:		N	WKO - WR
Ē					

RESOURCE PROTECT SUBMIT ONE WELL REPORT I	PER WELL INSTALLED)	Type of Well ("x in box)  Resource Protection
☐ Construction ☐ Decommission		Geotech Soil Boring
) RIGINAL INSTALLATION Notice of Rough	of Intent Number: Propert	y Owner Sandhu Rajbir
Robbb 93		dress 10805 International Tukwila Blvd
		kwila County King
Inique Ecology Well IDTag No	4 Pm - 450 (mw-16) Location	n <u>SE</u> 1/4-1/4 <u>SE</u> 1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u>
VELL CONSTRUCTION CERTIFI		☑ or WWM □
cept responsibility for construction of this w /ashington well construction standards. Mat	ell, and its compliance with all	ng (s, t, r Lat Deg Min Sec
ported above are true to my best knowledge		QUIRED) Long Deg Min Sec
] Driller   Engineer   Trainee	Tax Pa	rcel No.0323049064
ported above are true to my best knowledge  Driller Engineer Trainee lame (Print Last, First Name) Pickering, Cole Driller/Engineer /Trainee Signature Driller or Trainee License No. 3216	Cased	or Uncased Diameter 2 * Static Level
Driller/Engineer / Fraince Signature _  Driller or Traince License No. 3216	0014	Decommission Start Date 12/8/16
where an dragon has quare in Gran		Decommission Completed Date 12/14/16
f trainee, licensed driller's Signatu	re and License Number: Work/I	Decommission Completed Date 12/14/10
Winn Have	ram esos	
Construction Design	Well Data	Formation Description
	MONUMENT TYPE:	
	flush	FORMATION NOT OBSERVED - WELL
		WAS DECOMMISSIONED
	REMOVED MONUMENT:	<b>P</b> no
	A STATE OF THE STA	REMOVED MONUMENT: ( NO
		14
		□ WELL WAS CHIPPED/GROUTED IN
		PLACE
	3	1.5.05
;	PVC BLANK:	- all casing was removed and
		BACKFILLED BOTTOM UP
]		1.11.1
		well was sinch auger to
	SCREEN:	with 8-inch auger to with 8-inch auger to 25 feet, pre removed backfilled bottom up.
?	JCK BEN .	25 feet
	,	backfilled bottom of
		RECEIVED
(6500) 12 (650)		JAN 09 2017
	WELL DEPTH: 25	DEPT OF ECOLOGY NWRO - WR

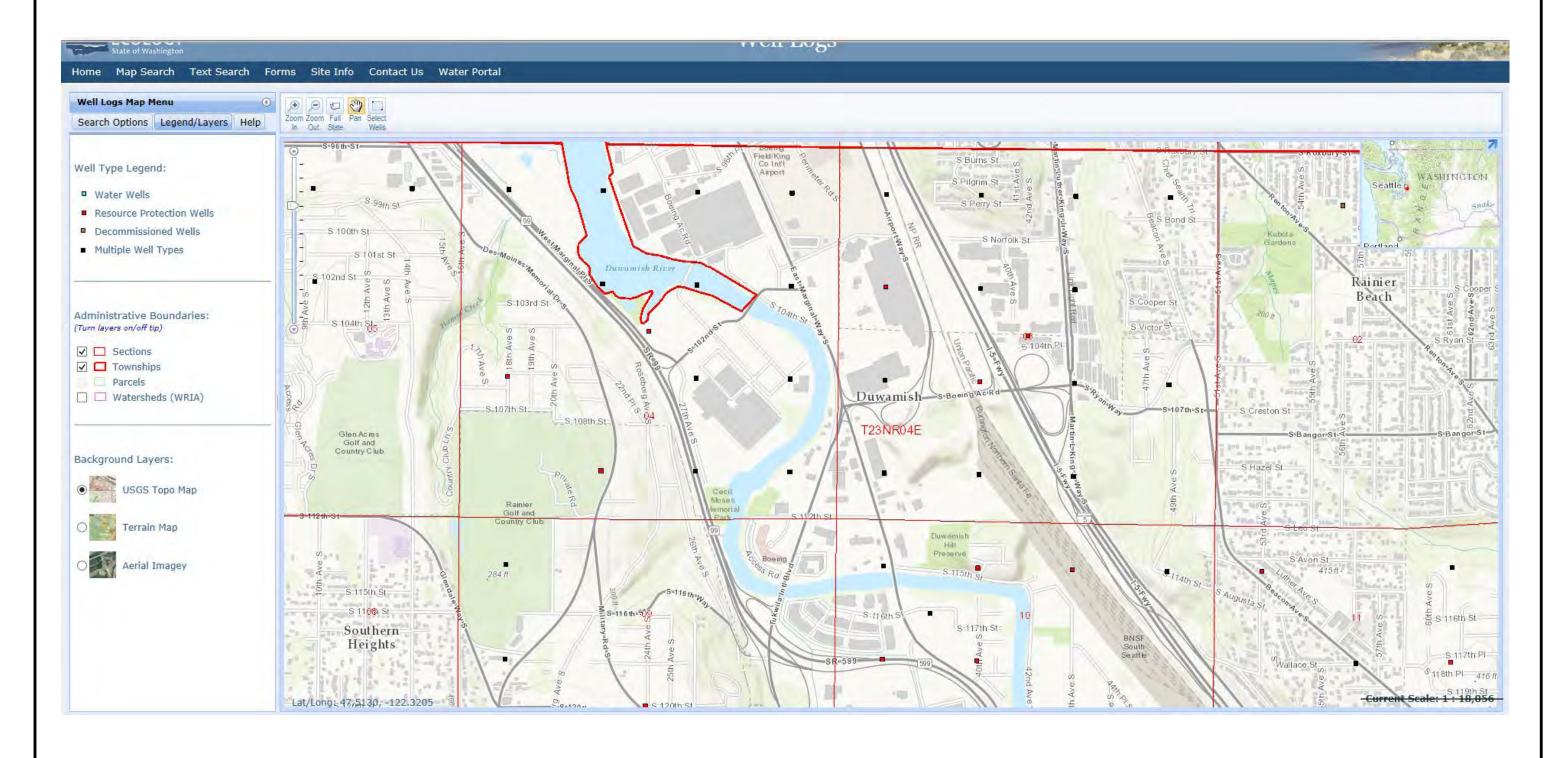
UBMIT ONE WELL REPORT Plonstruction/Decommission ("x" in a Construction	box)		Type of Well ("x in box)  Resource Protection
Decommission			Geotech Soil Boring
RIGINAL INSTALLATION Notice of	Intent Number:	Property Owner Sar	
R067255		Site Address 10805	International Tukwila Blvd
onsulting Firm		City Tukwila	County King
nique Ecology Well IDTag No.	AKT 104 (MW-17)	Location SE1/4-1/4	SE 1/4 Sec 04 Twn 23 R 04
ELL CONSTRUCTION CERTIFIC		EWM ⊠ or WWM	<b>1</b>
cent responsibility for construction of this we	l, and its compliance with all	Lat/Long (s, t, r	Lat Deg Min Sec
ashington well construction standards. Mater ported above are true to my best knowledge ar	id belief.	still REQUIRED)	Long DegMinSec
Driller  Engineer  Trainee		Tax Parcel No.032	
ame (Print Last, First Name) Pickering, Cole			U
riller/Engineer /Trainee Signature	Cole Pickering	Cased or Uncased l	
riller or Trainee License No. 3216		Work/Decommission	on Start Date <u>12/8/16</u>
trainee, licensed driller's Signatur	e and License Number:	Work/Decommission	on Completed Date 12/14/16
Umou Harnde	u 2508		*
1277 - Care Ok V	W-II D	42	Formation Description
Construction Design	Well Da		Tormation Description
₩ _ ₩	MONUMENT TYPE		FORMATION NOT OBSERVED - WELL
	flash		WAS DECOMMISSIONED
		4-	VVAS BECOMMISSIONED
	REMOVED MONUME	NT: YES NO	
			REMOVED MONUMENT: (ES) / NO
		-	
			WELL WAS SUIPPED/SPOUTED !!
			□ WELL WAS CHIPPED/GROUTED II
	3.		FLAGE
	PVC BLANK:		
	T TO BENTING		□ ALL CASING WAS REMOVED AND
	V		BACKFILLED BOTTOM UP
			W well was overdrilled
	1		to 25 feet with 8-1 auger, PVC removed, back filled bottom
	SCREEN:		auces pre removed,
			auge , could be Home
			backfilled
			DE0-11
			RECEIVED
			JAN 09 2017
	V		
	WELL DEPTH:	25	DEPT OF ECOLOGY NWRO - WR

SUBMIT ONE WELL REPORT PER W. Construction/Decommission ("x" in box)	WELL REPORT (ELL INSTALLED)	Type of Well ("x in box)  Resource Protection		
Construction		Geotech Soil Boring		
☐ Decommission  **DRIGINAL INSTALLATION Notice of Inter-	nt Number:	Property Owner Sar		
indential morabbatter treate of the		Site Address 10805	International Tukwila Blvd	
Consulting Firm		City Tukwila	County King	
Inique Ecology Well IDTag NoN/A	EX-N		SE1/4 Sec <u>04</u> Twn <u>23</u> R <u>04</u>	
VELL CONSTRUCTION CERTIFICATION  ON: I constructed and/or	EWM 🖾 or WWM			
/ashington well construction standards. Materials us ported above are true to my best knowledge and beli	ed and the information	Lat/Long (s, t, r still REQUIRED)	Lat Deg Min Sec           Long Deg Min Sec	
	Ĕ.	Tax Parcel No.032		
☐ Driller ☐ Engineer ☑ Trainee  lame (Print Last, First Name) Pickering, Cole		Cased or Uncased I	111	
Driller/Engineer /Trainee Signature Cole	Vickering	10-10-10 Dec 40 APE 1-1704		
Driller or Trainee License No. 3216			on Start Date <u>12/8/16</u>	
f trainee, licepsed driller's Signature and	d License Number:	Work/Decommission	on Completed Date 12/14/16	
Construction Design	Well I	Data	Formation Description	
	MONUMENT TYP	E:		
	flush (1)		FORMATION NOT OBSERVED – WELL WAS DECOMMISSIONED	
	REMOVED MONUM	ient: <b>®</b> /no	REMOVED MONUMENT: YEAR NO	
			□ WELL WAS CHIPPED/GROUTED IN PLACE	
	PVC BLANK:		☐ ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP	
	SCREEN:		BACKFILLED BOTTOM UP  Ness was pressure  growted bottom up.  There was no casing,  Screened/preferated  entire length.	
	WELL DEPTH:	/ <del>/</del> /	PECEIVED  JAN 09 2017  DEPT OF ECOLOGY NWRO - WR	

Report	RESOURCE PROTECTION SUBMIT ONE WELL REPORT PER W Construction/Decommission ("x" in box) Construction Decommission		CURRENT	Notice of Intent No. AE39497  Type of Well ("x in box)  ☐ Resource Protection ☐ Geotech Soil Boring
=	NRIGINAL INSTALLATION Notice of Inten.	t Number:	Property Owner San	ndhu Rajbir
Well		2	Site Address 10805	International Tukwila Blvd
S	onsulting Firm		City Tukwila	County King
this	Inique Ecology Well IDTag No. N/A	(Ex-S)	Location SE1/4-1/4	SE 1/4 Sec 04 Twn 23 R 04
5	VELL CONSTRUCTION CERTIFICATION: I constructed and/or		EWM ⋈ or WWM □	
E	cept responsibility for construction of this well, and i	ts compliance with all	Lat/Long (s, t, r Lat Deg Min Sec	
.0	ported above are true to my best knowledge and belie	f.	still REQUIRED)	Long Deg Min Sec
Ħ	] Driller   Engineer   Trainee		Tax Parcel No.0323	7.8.8
nformation	ame (Print Last, First Name) Pickering, Cole	Violes & on	Cased or Uncased I	Diameter 4" Static Level
₽	Driller/Engineer /Trainee Signature Cale Driller or Trainee License No. 3216	ricerro		on Start Date 12/8/16
_	And the state of t			on Completed Date 12/14/16
ž	f trainee, licensed driller's Signature and	License Number:	work/Decommission	on Completed Date 12/14/10
こ	Compa pravnau is	0.0		
≗	Construction Design	Well I	Data	Formation Description
ata and		MONUMENT TYP		FORMATION NOT OBSERVED – WELL WAS DECOMMISSIONED
y the Di		REMOVED MONUM	ENT: X3/NO	REMOVED MONUMENT: (ES) NO
Warranty the Data and/or the				WELL WAS CHIPPED/GROUTED IN PLACE
=	(323 (33)	PVC BLANK:		ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP
ě				7.4
f Ecology de		SCREEN:		
The Department of Ecology does NO		WELL DEPTH:	15"	JAN 09 2017 DEPT OF ECOLOGY NWRO - WR

# **APPENDIX H**





g-logics

Not to Scale

Note: This figure contains information in color. Black & white photocopies may not be suitable for review.

**Drinking Water Well Map**Boeing Field Chevron
10805 East Marginal Way South
Tukwila, WA

Figure H

# **APPENDIX I**

**Available on Compact Disk** 

# **APPENDIX J**

# Appendix J Storm Drain Video File Review Boeing Field Chevron 10805 East Marginal Way South Tukwila, Washington

#### 1. E Marginal Way Chevron Station

• Spider webs and debris at 0', end of video.

#### 2. SS3 Storm Drain on Pacific HWY S. Looking S

- Debris and sediment at 0'
- Plant debris (leaf litter) at 16'
- Camera partially blocked by debris for the duration of video
- No cracks observed, walls and ceiling dry.

#### 3. Storm Drain S3 Marginal Way N Heading S

- Plant debris blocking storm drain at 0'0"
- Sediment coating walls of drain
- Drain is damp beginning at -2'2"

#### 4. Clean out MH5

- Junction between two pipes at 7"
- Water from 1'2" to 2'9"
- Thin layer of sediment along the sides of the entire pipe
- End of the cable at 34'10".

#### 5. Clean out South of Pump Stations

- Spider webs and plant debris at 0'
- Garbage and plant debris blocking camera at 13'7" and 17
- The Pipe is damp from 59;' to 70' and water is present from 98' to 105'
- Debris hanging from top of pipe at 118'
- Rocks present at 125'
- End of drain at car wash separator at 126'
- Thin layer of sediment is present along bottom and sides of entire drain

#### 6. Clean out Southwest of Car Wash

Spider webs and plant debris from 0'to 8'

- Saturated sediment buildup in front of camera at 8'
- Unable to see through debris past 8'

#### 7. Pump Stations N Storm Drain

- Saturated sediment at 0' to 6'2"
- Water from 2'11 to 6'
- Plant debris at 6'2"
- Water and plant debris at 48'
- Thick sediment, debris (garbage), and plant debris at 52' to 63'
- End of line at 63'.

#### 8. Pump Stations S Storm Drain

Survey was not completed

#### 9. S2 E Marginal Way Heading N

- Plant debris and sediment along entire drain
- Spider webs from 6' to 12'
- Plant debris blocking camera at 22'
- Garbage at 55'

#### 10. S2 E Marginal Way Heading S

- Pile of sediment and plant debris at 0'
- Thick layer of sediment and plant debris until 32'
- Debris (garbage) at 2', 13'6" and 49'9"
- Spider webs at 32'
- Large pile of debris blocking camera at 50'.

#### 11. S3 E Marginal Way Heading N

- Spider webs at 0'
- Thin layer of sediment along entire drain
- Small pile of sediment at 8'
- Saturated sediment from 34' to 37'
- Plant debris at 45' 6"
- Large pile of plant debris at 46'
- End of line at 46'

#### 12. S3 E Marginal Way Heading S

- Thick layer of sediment along entire drain with some plant debris
- Debris (garbage) at 24', 28'4", and 48'6"
- End of line 52'9".

#### 13. S4 E Marginal Way Heading N

- Spider webs at 3'
- Water in drain from 15' 23'.

#### 14. E Sewer S of Carwash

- Water in drain at 0'
- Sediment, water and plant debris from 8' to 25'
- Large pile of debris at 25'

#### 15. Sewer S of Carwash SE

- Debris and water at 0'
- Thin layer of sediment along bottom of entire drain
- Spider webs at 33'
- Pile of debris (garbage) from 68'8" to 76'

#### 16. Sewer S of Carwash SE

• Video not available

#### 17. Southern Storm Drain E Marginal Way N

- Plant debris at 0'
- Thin layer of sediment along bottom of entire pipe
- Thick layer of debris and sediment from 16' to 50'

#### 18. Southern Storm Drain Pacific Hwy S

- Plant debris at 0'
- Debris at 2'
- Thick layer of sediment along bottom of drain from 2' through 45

#### 19. SS2 Pacific Hwy S Heading South

- Debris at 4'
- Layer of sediment along bottom of entire drain

#### 20. SS2 Pacific Hwy S Heading North

• Drain filled with water at -1'.

#### 21. SS3 Pacific Hwy S Heading South

Survey was not completed

#### 22. Storm Drain Carwash Entrance

Survey was not completed

#### 23. Storm Drain Carwash Entrance West

• Drain filled mostly by water

#### 24. Storm Drain S of Pump Stations

- Spider webs, debris and sediment at 2'
- Thin layer of sediment beginning at 6', becomes thick at 12'
- Junction between two drains at 30'
- Debris at 37'

#### 25. Settling Tanks Inside Car Wash

• Soap (suds) at -3'

#### 26. Storm Drain NW of Carwash Heading NE

• Debris and water at blocking camera at 8'

#### 27. Storm Drain NW of Carwash Heading S

- Spider webs from 2" to 4'
- Water at 6'
- Debris at 37'

# **APPENDIX K**

**Available on Compact Disk** 

# APPENDIX L



# **Voluntary Cleanup Program**

Washington State Department of Ecology Toxics Cleanup Program

# TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

- 1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
- 2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
- 3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to <a href="https://www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm">www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm</a>.

Step 1: IDENTIFY HAZARDOUS WASTE SITE		
Please identify below the hazardous waste site for which you are documenting an evaluation.		
Facility/Site Name: Boeing Field Chevron		
Facility/Site Address: 10805 E Marginal Way S, Tukwila, WA		
Facility/Site No: 2551	VCP Project No.:	

Step 2: IDENTIFY EVALUATOR				
Please identify below the person who conducted the evaluation and their contact information.				
Name: Zackary Wall Title: Project Geologist				
Organization: G-Logics, Inc.				
Mailing address: 40 2 <sup>nd</sup> Ave SE				
City: Issaquah		Sta	te: WA	Zip code: 98027
Phone: 425-391-6874  Fax: 425-313-3074		•	E-mail: zacka	aryw@g-logics.com

## Step 3: DOCUMENT EVALUATION TYPE AND RESULTS A. Exclusion from further evaluation. 1. Does the Site qualify for an exclusion from further evaluation? ☐ Yes If you answered "YES," then answer Question 2. If you answered "NO" or "UKNOWN," then skip to Step 3B of this form. Unknown 2. What is the basis for the exclusion? Check all that apply. Then skip to Step 4 of this form. Point of Compliance: WAC 173-340-7491(1)(a) All soil contamination is, or will be,\* at least 15 feet below the surface. All soil contamination is, or will be,\* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination. Barriers to Exposure: WAC 173-340-7491(1)(b) All contaminated soil, is or will be,\* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination. Undeveloped Land: WAC 173-340-7491(1)(c) There is less than 0.25 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene. For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site. Background Concentrations: WAC 173-340-7491(1)(d) Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709. \* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology. <sup>±</sup> "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil. # "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area

by wildlife.

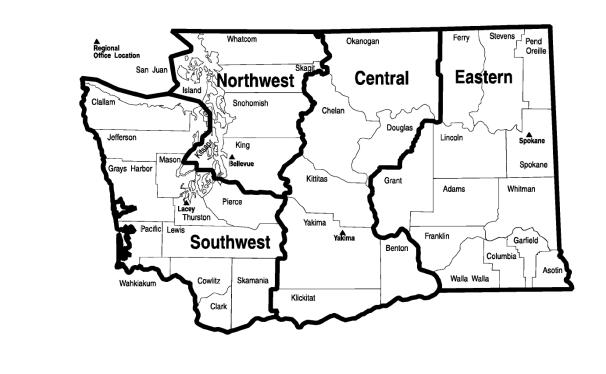
В.	Simplified evaluation.					
1.	Does the S	Does the Site qualify for a simplified evaluation?				
	⊠ Ye	es If you answered "YES," then answer Question 2 below.				
	☐ No Unkno	or or own If you answered "NO" or "UNKNOWN," then skip to Step 3C of this form.				
2.	Did you co	nduct a simplified evaluation?				
	⊠ Ye	es If you answered "YES," then answer Question 3 below.				
		If you answered "NO," then skip to Step 3C of this form.				
3.	Was furthe	r evaluation necessary?				
	⊠ Ye	es If you answered "YES," then answer Question 4 below.				
	□ No	If you answered "NO," then answer Question 5 below.				
4.	If further ev	valuation was necessary, what did you do?				
		Used the concentrations listed in Table 749-2 as cleanup levels. <i>If so, then skip to</i> <b>Step 4</b> of this form.				
		Conducted a site-specific evaluation. If so, then skip to <b>Step 3C</b> of this form.				
5.	. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip					
	to <b>Step 4</b> of this form.  Exposure Analysis: WAC 173-340-7492(2)(a)					
		Area of soil contamination at the Site is not more than 350 square feet.				
		Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.				
	Pathway Ar	nalysis: WAC 173-340-7492(2)(b)				
		No potential exposure pathways from soil contamination to ecological receptors.				
	Contaminar	nt Analysis: WAC 173-340-7492(2)(c)				
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.				
		No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.				
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.				
		No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.				

C.	C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).				
1.	Was there a	<b>problem?</b> See WAC 173-340-7493(2).			
	☐ Ye	s If you answered "YES," then answer Question 2 below.			
	☐ No	If you answered "NO," then identify the reason here and then skip to Question 5 below:			
		No issues were identified during the problem formulation step.			
		While issues were identified, those issues were addressed by the cleanup actions for protecting human health.			
2.	What did yo	u do to resolve the problem? See WAC 173-340-7493(3).			
		Used the concentrations listed in Table 749-3 as cleanup levels. <i>If so, then skip to</i> <b>Question 5</b> below.			
		Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. <i>If so, then answer Questions 3 and 4 below.</i>			
3.	3. If you conducted further site-specific evaluations, what methods did you use?  Check all that apply. See WAC 173-340-7493(3).				
		Literature surveys.			
		Soil bioassays.			
	Wildlife exposure model.				
	☐ Biomarkers.				
	Site-specific field studies.				
		Weight of evidence.			
		Other methods approved by Ecology. If so, please specify:			
4.	4. What was the result of those evaluations?				
		Confirmed there was no problem.			
		Confirmed there was a problem and established site-specific cleanup levels.			
5.	5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?				
	☐ Ye	s If so, please identify the Ecology staff who approved those steps:			
	☐ No				

#### Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.

Northwest Region: Attn: VCP Coordinator 3190 160 <sup>th</sup> Ave. SE Bellevue, WA 98008-5452	Central Region: Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009  Eastern Region:		
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295		



# **APPENDIX M**

Well Number: Mw-10	Project Name:			
Project Number: 410-14	Date: 12/12	Weather: Cool, Secretles		
Development / Purge Method:	Well Screen Interval: 4.5 to 15.5	Tidally Influenced?		
Logged By:	Water Depth Start: 10,94	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:	Field Comments: Sampled From 141		
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		

Casing Volume In Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

## Well Development / Purging (circle one)

Time	1126	1129	1132	1/35	11 \$0		
Water Level	11.34	11,90	12.1	12.20	12.33		
рН	6.13	6.11	(1.05	6.06	6.36		
Conductivity	0,490	0.488	0.489	0,490	0.488		
Temperature	13.04	13.0	13.38	13.56	13.52		
ORP	-93	-94	-99	-105	-106		
Turbidity	0,3	26	0.7	0,0	2.0		
Color	CIr -						
Dissolved Oxygen	1-1	6,9	0.6	0,0	0.0		
Purge Volume	0,25 39	D. Scal	0,7	10	1.5		

Well Sampling	Information (complete if well is sampled)		rive sate
Decon Method:	Dedicated Tubing	Sample Number:	11/51, 0051, 01-MM
Water Level Start:	10,94	Water Level Finish:	
Sampling Method:	Ter. Pump	Field comments:	Sampled a Dropping Tide
Filter Type:	Not F. Hered		1 0 11 0

Well Number: MW-11	Project Name: BFC	
Project Number: D1-410-K	Date: 1/26/16	Weather:
Development / Purge Method: P - Purm	Well Screen Interval: 8 to Zo	Tidally Influenced? YES GOENA OUT
Logged By: KAUS	Water Depth Start: 9.42	Field Comments: SET TUBE @11.5 MOVED TO 12051
Purge Water Disposal Method: Dawy	Water Depth Finish:	MOURD TO 13.5 @ TIME of SOMPLENG
Purge Water Disposal Volume: 1.75 Gyu	Balls Dry? Yes No What Volume? N/H	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	71.9			1	SLOW AS .	III TO A SECOND			
Time	1464	1407	1410	1413	1416	1419	1422	1425	1428
Water Level	10.25	10.34	10.43	10.53	10.70	10.90	11.11	11.33	11-50
рН	640	6.39	6.39	6.39	6.38	638	638	6,38	633
Conductivity	0.776	0.777	0.777	0.778	777	.768	7.67	769	771
Temperature	14.19	14.14	14.13	14.15	14.19	1415	14.13	141.12	14.13
ORP	-62	-65	-67	-68	-70	-77	-73	-74	-75
Turbidity	7.7	4.6	7.0	4.6	5.0	7.5	6.2	6.4	6.4
Color	CLEAN						*		9 7
Dissolved Oxygen	0.07	0.00	0.00	0,00	0,00	000	200	000	0.00
Purge Volume	12.5 gm	= ,75gm		2/641			1.25 GAL		1.5GAL

Well Sampling	Information (complete if well is sampled)		
Decon Method:	ALLOWEX	Sample Number:	MW-11
Water Level Start:	9.42	Water Level Finish:	12.5 AFTER POUND OFF WATER SLOWLY EMMENT
Sampling Method:	P. Pump	Field comments:	20 2 10.41 In 2 15-20 man
Filter Type:	45 MIC		

Filter Type:

ect Number: 01-4/10-10	Date: 1//26/16	Weather: PANTLY CLOUPY COLA
elopment / Purge Method: P, Purp	Well Screen Interval: 8 to 18	Tidally Influenced?
ged By: KAKIS	Water Depth Start: 7.79	Field Comments: SET TOUBE @ = 10.5 AT TIME of SAMPLE
e Water Disposal Method:	Water Depth Finish: 7,9/ (15-20 man 4;	ExpuntoFF)
e Water Disposal Volume:	Bails Dry? Yes No What Volume? //) /A	Well Conditions: OK Not OK
		Explain:
	Casing Volume in	Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft " Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1528	1531	15 34	1537	1540	1543	1546	1549	1552	1555
Water Level	8.41	8.49	8.55	8.61	8.64	8.48	8.71	8.74	8.76	8.79
рН	6.03	6.02	6-122	(0.03	6.03	6.03	6.03	6.08	6.06	6.08
Conductivity	0.377	0.381	0.382	0,383	0.385	0.386	0386	3.97	3.89	3.96
Temperature	14.10	14.27	14.38	14,44	1451	14.54	1458	14.63	14.65	14.68
ORP	85	75	108	66	64	61	54	35	24	22
Turbidity	41.1	21.8	13.6	9.9	9.2	3.0	7.1	4.3	6.5	6.9
Color	CLEAR -					11.0	7			
Dissolved Oxygen	2.06	1.85	0.91	0.26	0.00	0.00	0.00	0.00	0.00	0,00
Purge Volume	20.75641		31.0 Gm	1-25642			21.75600		2,25	2.50

Well Sampling	Information (complete if well is sampled)		MA.
Decon Method:		Sample Number:	MW-12
Water Level Start:	7.79		7.51
	FA PRIL	Water Level Finish: Field comments:	
Sampling Method:	- I I I I I I I I I I I I I I I I I I I		
Filter Type:	45 m	-	

Well Number: Mw13	Project Name: BFC	
Project Number: 410 - K	Date: 11/29/16	Weather: (budy
Development / Purge Method: PANESTANTE Pump	Well Screen Interval: 4 to 24	Tidally Influenced? 1/25 Gozari Our
Logged By: (MI)	Water Depth Start: 12,222	Field Comments: SET TURE @= Z'BE LOW HZO SURFACE
Purge Water Disposal Method: Drum	Water Depth Finish: 12 43	
Purge Water Disposal Volume: 56	Bails Dry? Yes No What Volume? N//	Well Conditions: OK Not OK Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	8:24	8:28	8:31	8:34	8:38	8141	8:44	8:48	8:51	18:54
Water Level	12:29	12:28	12:29	12:30	12:31	12:31	1232	1232	12:33	12.33
рН	6.63	6.63	6.62	6.61	6.61	6.60	6.59	6.60	660	6.59
Conductivity M5/Cm	,562	.549	,512	4462	.48	.407	.399	-392	386	.373
Temperature	16.00	16112	15179	15,63	15,43	15:22	15.30	15.26	15:07	15.09
ORP /mv	32	23	12	2	-9	- 15	-21	-24	-30	-34
Turbidity PTU	350	244	300	196	80	12	5	4.5	4.1	3.7
Color	Clear									->
Dissolved Oxygen Maj	2.70	2.31	2.06	1.93	1.84	1.83	1,75	1,71	1.69	1.63-
	\$ 5gal	Igal	1.5 64	2.0501	3.5	-3.0gal	3.5	4.6	4.5	5-

Decon Method:	nformation (complete if well is sampled)	Sample Number:	MW 13	
Nater Level Start:	12,29	Water Level Finish:	12.43	
	8 Punp	Field comments:		
Sampling Method:	45			

181 FIFTH

Well Number: MW-14 /M	W-A Project Name: BFC	
Project Number: 4/0-1C	Date: 91/29/16	Weather: CLOUDY COLP
Development / Purge Method: PAUSSANTE	Well Screen Interval: 4 to 24	Tidally Influenced? /ES GOTHL OUT
Logged By: KARK	Water Depth Start: 13,38	Field Comments: TUBE SET @ 15.5
Purge Water Disposal Method: Purge	Water Depth Finish: 13.69	15-57
Purge Water Disposal Volume: 3.7564	Bails Dry? Yes No What Volume? 1/1//	Well Conditions: OK (Not OK) MONUMENT PAP Broken  Explain: BETAL PECINERSONED

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	1023	1026	1029	1032	1035	1038	1041	1044	1047	1050
Water Level	13.55	13.57	13.58	13.60	13.64	13.64	13.45	13.68	13.69	B.72
рН	6.36	6.42	6.47	6,42	6.42	6.44	6.44	6.44	6.43	6.44
Conductivity Ms/cm	0.718	0.712	0.703	0.704	0.703	0.700	0.699		0.691	0.688
Temperature °C	13.51	14.16	14.51	1470	14.82	14.95	14.93	14.88	14,88	14.90
ORP ORPMU	-105	-116	-122	-125	-128	-129	-131	-132	-133	-137
Turbidity /VTU	43.1	38.3	33.0	23.7	140	8.5	3.5	28	2.8	1.7
Color	CLEAR-								5	>
Dissolved Oxygen Mg/L	3.15	1:45	0.51	0.03	0.00	0.05	0.00	0.00	0.00	0,00
Purge Volume	= ,5 Gm	2.75 Gm	3/944	5/25	3125	215	437	2.25	25	2.75

Well Sampling I	nformation (complete if well is sampled)			
Decon Method:	ALLONOX	Sample Number:	MW-14	
Water Level Start:	13.38	Water Level Finish:	13.69	
	PANISTALTIE	Field comments:		
Sampling Method:	UE -			
Filter Type:	15 MICHON			- 0

/ell Number:	MW-16		Project Nam	e: BFC						
ject Number: 410-16 Di			Date: 1//29/16			· Cloud	y CALD			
velopment / Purge Method:				Tidally I	influenced? VES					
gged By: KANS				Field Co	omments: TUBE	SET 0=155	Comme	N		
rge Water Disposal Method:	Drun	Water Depth								
rge Water Disposal Volume:	256AL	Bails Dry?	Yes No What Volum	me?	Well Co	Well Conditions: OK Not OK				
					Explain					
							0.163 gal/ft, 4" Diam = 0	.653 gal/ft * 3 casings * 10' screen =	4 89 nallons	
Well Developm	nent / Purging (ci	rcle one)		r arge volume	5. 1 Diam 5.041 5 555				1 FLOW	CELL
			1		1	NO FI	LOW CIELL HO			
-										_
Time	1221	1224	1227	1230	1.233	1236	1239	1242	1245	1248
Time Water Level	1221	13.65	1227 13-le3	13.62	1233	1236	1239	1340	13.60	
-		11							13.60	
Water Level	13.69	13.65	13 lez	13.62	13.60	13.60	1360	1360	1	13.6
Water Level	13.69	13.65	13-le3 6-43	13.62	13.60	6.49	1360	1360 Le.5 D	13.60	13.6

351

114

19.01

344

18.99

= Z6,4L

115

33\$

18.98

225 cm

115

337

115

18.95

236m

359

114

19.04

.25

367

19.08

SAL

114

373

114

CLEAN

19.52

2.75 gAZ

ORP

Color

Turbidity

Dissolved Oxygen

Purge Volume

g-logics

325

115

23.75

-36

0.25

0.00

53.75

10.1

ect Number: 410-1					Weather:			
lopment / Purge Method:		Well Screen	Interval: 9.5 to	24.5	Tidally Influenced? VESS			
ged By: KAUL		Water Depth	Start: 1354	Field Comments:				
e Water Disposal Method:		Water Depth	Finish:					
ge Water Disposal Volume: Balls Dry? Yes No What Volume?				Well Conditions: OK Not OK Explain:				
Well Developme	nt / Purging (c	ircle one)		Casing Volume in Gal Purge Volumes: 1" Di	llons: 1" Diam = 0. iam 0.041 * 3 casin	941 gal/ft, 2" Diam = 0.1 gs * 10' screen = 1.23 g	63 gal/ft, 4" Diam = 0.69 allons, 2" Diam 0.163 * 3	53 gal/ft 3 casings * 10' screen = 4.89
Time	1751	17254	1257					
Water Level	13.60	1360	13.59					
pH	(0.7)	6.21	6.20					
Conductivity	0.498	0.497	0.493					12
Temperature	14.22	14.33	14.40					
ORP	-51	-54	-57					
Turbidity	5.5	1.3	0.0					
Color	CLEMA		> _>					
Dissolved Oxygen	0.00	0.00	0.01					
Purge Volume	aygar	4.25	24.59AZ					

45 MICRON

Filter Type:

Well Number: MW - 17 Project Number: 01 - 410 - 14	Project Name:	
110-12-12	Date: 12/6/16	Weather: Sunny / Cool
Development / Purge Method: Paras toltic	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Time	12:23	12:26	12:30	12.33	12:36	17:39	12:42	12:45
Water Level	10-6413.0	612,78	12:74	17.71	12.71	12.70	12.71	12,73
PH	6,86	6.77	6.75	6.74	6,74	6.74	6,74	6.74
Conductivity	0.569	0.569	0.569	0.568	0.569	6.569	0.548	0.567
Temperature	13.74	14.25	14.24	111.34	14-35	14.39	14.50	14.57
Salinity DEP	-8	-7	-6	-5	16-5	- 5	- 5	- 6
Turbidity	207	118	54.6	43.2	4 3L.7	1.85	20.8	22.0
Color	Cle/Bac. J	Clr	Va. M	Je N	v	4 6	u 6	
Dissolved Oxygen in	0.07	0.12	0.10	6,11	6.11	6.11	6.08	0.05
Purge Volume	~/ sal	21.5	×16	~7	~2	-7	~2	12.5

Well Sampling Information (complete if well is	sampled)	
Decon Method:	Sample Number:	
Water Level Start:	Water Level Finish:	
Sampling Method:	Field comments:	
Filter Type:		

Well Number: /\/ \/\/ \/ \/ \/	Project Name: BFC	
Project Number: 410-16	Date: 11/30/74	Weather: COLD
Development / Purge Method: P. Pump	Well Screen Interval:	Tidally Influenced?
Logged By: KANES	Water Depth Start: 7,88	Field Comments: SET TUBP = 17'
Purge Water Disposal Method: Drun	Water Depth Finish:	
Purge Water Disposal Volume: 1.25	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	1051	1054	1057	1600	1103	1106	
Water Level					_		
рН	6.23	6.18	6.19	619	6.18	6.18	
Conductivity	0.591	0571	0.569	0.566	0.563	0.563	
Temperature	1285	14,06	14.09	14.09	14.25	1428	
ORP	7	23	37	36	40	41	
Turbidity	45.6	66	31.2	13.0	1.2	0.0	
Color	CLEAN				4	->	
Dissolved Oxygen	8.47	3,30	1.25	0.44	0.00	000	
Purge Volume	3.5	2.75		7/6AL		=1.2564	

Well Sampling In	nformation (complete if well is sampled)			
Decon Method:	ALLONDE	Sample Number:	MW-13	
	7 217	Gample Number.		
Water Level Start:	108	Water Level Finish:		
Sampling Method:		Field comments:		
Sampling Method.	LI1-			
Filter Type:	15 MIChan			

Well Number: MW-19	Project Name:	
Project Number: 410-16	Date: 11/30/16	Weather: CLOUNI CAID
Development / Purge Method: P. Pump	Well Screen Interval: 15 to 70	Tidally Influenced?
Logged By: KAMS	Water Depth Start: 10.21	Field Comments: SET TWEEQ 3 155
Purge Water Disposal Method: Drum	Water Depth Finish: 11,50	700
Purge Water Disposal Volume: ~ 1.75	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

## Well Development / Purging (circle one)

Time	1148	1151	1154	1157	1200	1203	1206	1209
Water Level	-				,	10-3	1200	1207
рH	6.30	6.32	6.33	6.33	6.32	6.32	6.32	6.37
Conductivity	6.665	0.663	6.663	0659	0.657	01655	0.655	6653
Temperature	11.30	11.69	12.02	12.30	12.47	1258	12.64	12,77
ORP	-26	-37	-44	-48	-51	-53	-53	-55
Turbidity	123	649	313	E14.0	11.5	9.6	9.8	8.7
Color	CLEAN	-						->
Dissolved Oxygen	4.89	\$3.00	0.89	0.00	0.00	0.00	0.00	000
Purge Volume	25	75	=.75	3/901	12=	1.25		1.50

Well Sampling Information (complete if well is samp	led)		
Decon Method:	Sample Number:	MW-19	
Water Level Start: 10-21	Water Level Finish:	11.50	
Sampling Method:	Field comments:		
Filter Type: 45 MIC. FINTER			

Well Number: MLu -20	Project Name: BFC	
Project Number: 413 - K	Date: 11-30-16	Weather: Cold Winds, overcast
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By:	Water Depth Start: 11, 43	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	Empled From 16
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

#### Well Development / Purging (circle one)

0.45 MM

Time	1145	1148	1151	1154	1157	1200
Water Level	11,43					
рН	6.66	6.65	6.63	6.63	6.62	6.62
Conductivity	0.582	0.561	0.516	0,507	0.502	2.497
Temperature	13,98	14.25	14.54	14.59	14.66	14.72
ORP	-36	-43	- 56	-58	-60	-63
Turbidity	452	749	93.3	29.1	17.7	13,0
Color						
Dissolved Oxygen	2.70	2.24	1.83	1.77	1.71	1.69
Purge Volume	-1	1, 25	1, 5	1.75	2.0	2.25

Well Sampling In	nformation (complete if well is sampled)		
Decon Method:	Dedicated Tybers	Sample Number:	MU-20
Water Level Start:	0.43	Water Level Finish:	
Sampling Method:	remotal tic	Field comments:	
Eilter Type:	In-line Quick Filter		

753 787 600 H

Well Number: MW-21	Project Name:	
Project Number: 01-3410-K	Date: 11-30-16	Weather: cool-cold, windy overcast
Development / Purge Method: Peri Pump	Well Screen Interval: 17 to 22	Tidally Influenced? Yo 5
Logged By: ZW	Water Depth Start: 11, 44	Field Comments: Sampled From 16
Purge Water Disposal Method:	Water Depth Finish:	Dempred From 16
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	1043	1046	1047	1052	1055	1058	
Water Level	11,44						
рН	6.62	6.62	6.62	6.61	6.61	6,61	
Conductivity	0.675	0.677	0,680	0.681	0.680	0,680	
Temperature	11.36	11.49	11.55	11.91	12.09	1219	
ORP	-26	-29	-39	-49	-55	-57	
Turbidity	36.1	35.1	42.7	32.0	10.1	6.4	
Color							
Dissolved Oxygen	2.55	2.46	2,26	211	204	1,98	
Purge Volume	1	1.5	1.75	2.0	2.5	1.5	

Well Sampling	information (complete if well is sampled)		
Decon Method:	Dedicated Tobing	Sample Number:	MW-21
Water Level Start:	1644	Water Level Finish:	12,00
Sampling Method:	Peristoltie	Field comments:	
Filter Type:			

Well Number:	Project Name:	
Project Number: MW - 22	Date: \2/6/16	Weather: Clasy / Cool
Development / Purge Method: 01-410-14	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	13:30	13:33	13:36	13:39	13:42	13:45	13.51
Water Level	9.97						12.31
рН	7.17	7.17	7.17	7,13	7.11	7.09	
Conductivity	0,448	0.416	0.380	0.360	0.347	0.342	
Temperature	14,13	14,77	15,38	15.59	15,70	15.75	
ORP	-19	-50	-68	-74	-78	-79	
Turbidity	13.4	11.9	9,4	7,0	5.1	3.6	
Color	CIE	CV	CIV	CV	CIV	cir	
Dissolved Oxygen	8.36	8.22	7.83	7.44	4.10	3,11	
Purge Volume							

Well Sampling Information (complete if well is sampled)				
Decon Method:	Sample Number:			
Water Level Start:	Water Level Finish: Field comments:			

Sampling Method:

Filter Type:

Well Number: MW-23/M	Project Name:	
Project Number: 01 - 410 - K	Date: 12/6	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Time	1102	1110	1115			
Water Level	10,3	10.3	10,3			
рН	6.82	6.78	6.76	-1		
Conductivity	0.607	0.605	0,599			
Temperature	13.35	13.70	14.22			
ORP	24	12	14			
Turbidity	4.6	3.1	3.4			
Color	CIC					
Dissolved Oxygen	4 8.19	7,42	7,19			
Purge Volume	1/59/	2.0	2.5			

Well Sampling Information	(complete if well is sampled
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Decon Method:	Sample Number:	
Water Level Start:	Water Level Finish: Field comments:	
Sampling Method:	Tield confinents.	
Filter Type:		

Well Number: MW-27	Project Name:	
Project Number: 410-K	Date: 12/6/16	Weather: SUMY , Cold
Development / Purge Method:	Well Screen Interval: 8.65 to 13.65	Tidally Influenced?
Logged By:	Water Depth Start: 10,34	Field Comments: Well Pumps Dry
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume? 0,4 Gal	Well Conditions: OK Not OK  Explain:

## Well Development / Purging (circle one)

Time	930	8:40	843	846	850	855	
Water Level	10.34	11.34					
рН		8.27	7.97	7.56	7.46	7,33	
Conductivity		0.897	0.885	0.874	0.872	0.876	
Temperature		7.16	7.73	7.52	7.55	7,54	
ORP		-86	-87	-83	-82	-83	
Turbidity		106	98.5	84.8	80.2	75.0	
Color	cir	cir -					1840
Dissolved Oxygen		0.95	0.94	0.99	1,01	0.99	
Purge Volume		0,2 9,1	0.4	0,5	0.6	0.7	

Well Sampling Information	(complete if well is sampled)
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Decon Method:	Sample Number:	
Water Level Start:	Water Level Finish: Field comments:	
Sampling Method:	ried comments.	
Filter Type:		

Well Number: MW-25	Project Name:	
Project Number:	Date: 12/6/16	Weather:
Development / Purge Method:	Well Screen Interval: 9 to 14	Tidally influenced?
Logged By:	Water Depth Start: 894	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Time	9/5/	9:54	957	1000	1005
Water Level	8.94				
pH	7.23	702	6.96	6.84	6,84
Conductivity	8,393	0 380	0.378	0.374	0.378
Temperature	10.93	12.12	12.46	12.69	12.6/
ORP	35	59	65	81	41
Turbidity	61.0	42.2	40.5	15,1	14.7
Color					
Dissolved Oxygen	2.89	2.15	1,99	1,43	1,40
Purge Volume	0.2	0,3	0.4	0.6	0.8

Well Sampling Infor	mation (comple	te if well	is sam	pled)
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Decon Method:	Sample Number:	
Water Level Start:	Water Level Finish: Field comments:	_
Sampling Method:		
Filter Type:		

Well Number: MW-Z61	Project Name: BFC		
Project Number: 410-14	Date: 1(/30//6	Weather: CLOUNG COLD	
Development / Purge Method: P. Pump	Well Screen Interval: 19 to 23	Tidally Influenced? YES	
Logged By: LATES	Water Depth Start: 12-29	Field Comments: SET TURE@ 2 18 !!	
Purge Water Disposal Method: Prum	Water Depth Finish: 12,19		
Purge Water Disposal Volume:	Bails Dry? Xes No What Volume?	Well Conditions: OK Not OK	
		Explain:	

# Well Development / Purging (circle one)

Time	1302	1305	1308	1311	1314	1317	13 20	1323	1326	1329
Water Level	12.33	12.33	12.34	12.34	12.33	12,32	12.3 =	12.31		
рН	6.75	6.72	6.45	6.57	6.50			-	12.31	1231
Conductivity Mas/cm	0.851	0.819	0.734	0.653	0.594	0.567	6.42	6.39	6.38	4.36
Temperature °C	1330	13.87	13.99	14.01	14.01	14.02	0.533	0.515	14.00	0-491
ORP	-81	-93	-91	-87	-75	-71	-66	-65	-64	14.07
Turbidity /UTU	71.2	36.1	25.2	16.5	12.6	10.6	8.3	7.3	6.6	5.6
Color	CLEAN			-			0.0	>	4.0	1 ,
Dissolved Oxygen Wy/c	3.58	0.59	0.07	0.0	0.00	0.00	0.00	0.00	0.00	0.00
Purge Volume	\$ .75		5 1.59AL	= 2642	Z.59AL	2.75941		3.5gm	4996	4.5

Well Sampling	Information (complete if well is sampled)		
Decon Method:	ALLONOX	Sample Number:	MW-ZGD
Water Level Start:	12.29		17.19
Sampling Method:	P. Puny	Water Level Finish: Field comments:	
Fig T	45 MTHORS		

Well Number: MW-ZO	Project Name: BFC	
Project Number: 4/0 K	Date: 1   /30 / / U	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced?
Logged By: KINTS	Water Depth Start:	Field Comments;
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Time	1332	1335	1338			
Water Level	12.31	17.31	12-31			
рН	6.36	6.34	6.34			
Conductivity	0.484	0,478	0.470			
Temperature	14.02	14.02	14.01			
ORP	-61	-60	-60			
Turbidity	5.5	4.8	5.0			
Color	CLEVAN					
Dissolved Oxygen	0.00	0.00	0.00			
Purge Volume	24.5	25	25.5			

Well Sampling Information	(complete if well is sampled)
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Decon Method:	Sample Number:
Water Level Start:	Water Level Finish: Field comments:
Sampling Method:	ried connents.
Filter Type:	

Well Number: MW-26	Project Name:	
Project Number: 01-0410- E	Date: 11-302-16	Weather: Colod, windy ordersast
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally influenced?
Logged By:	Water Depth Start: 8.02	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	Field Comments: Sampled From 10
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

# Well Development / Purging (circle one)

Time	1248	1302	1305	1308	1311	1314	13.17
Water Level	8.02	8.17	8.18	8.20	8.18	8.18	8.09
рН		6.73	6.69	6,67	6.64	6.63	6.6
Conductivity		0.370	0.377	0.384	0.387	0.387	0,388
Temperature		14.89	15,29	15.37	15.31	15.28	15,27
ORP		-29	-37	-39	-39	-39	-36
Turbidity		36.1	264	17.9	7.3	4.5	2.0
Color		cir				->	
Dissolved Oxygen		2.92	2.14	1.98	1.83	1,79	1.69
Purge Volume		1	1.2	1.5	1.75	2,0	2.25

Well Sampling	Information (complete if well is sampled)		
Decon Method:	Dedicated Tobing	Sample Number:	MW-26
Water Level Start:	9,07	Water Level Finish:	8.09
Sampling Method:	Peintaltic	Field comments:	
Filter Type			

Well Number: 27 D	Project Name: BFC	
Project Number: 410	Date: 11/28/46	Weather: Partly Cloudy
Development / Purge Method:	Well Screen Interval: 14.5 to 21.5	Tidally Influenced? Ye 5
Logged By:	Water Depth Start: // .5%	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	, 111 00111101110
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

# Well Development / Purging (circle one)

Time	1506	15:10	15:13	15:16	15/19	15:22	15125
Water Level	1155	11.53	11.51	11.51	11.50	11.48	11:48
рН	6.43	6,43	6,49	6.50	6.51	6.51	6.51
Conductivity MS	m =706	.688	.642	1605	,555	,552	.532
Temperature 🐍	14.68	14.68	14.82	14.86	14,92	14.89	14.89
ORP (mu	.40	.43	,48	153	,56	.57	.58
Turbidity NTU	98.0	85.6	57.9	43,5	34.0	27.1	23.8
Color	Clew						2010
Dissolved Oxygen	2.03	1.95	1.82	1,75	1.68	1.63	1.59
Purge Volume	150L	1.25501	1.5 301	1.75 to	2.0541	2.594	3.050

Decon Method:	Information (complete if well is sampled)	Sample Number.	27 0
Water Level Start:	11:58	Water Level Finish:	11.48
Sampling Method:	P. lung	Field comments:	Sarpled @ 1530
Filter Type:	45 migon		

Well Number: Mw-275	Project Name:				
Project Number: 4/0=/C	Date: 11/29/16	Weather: PARTLY CLOUPY COLD			
Development / Purge Method: PARISTATIC	Well Screen Interval: 7 to 12	Tidally Influenced?			
Logged By: KARIS	Water Depth Start: 8.75	Field Comments: SET TUB@ = 10'			
Purge Water Disposal Method: 55 FAR Drunn	Water Depth Finish: 8,25	327 7332 70			
Purge Water Disposal Volume: 1.25 6m2	Bails Dry? Yes No What Volume? NA	Well Conditions: OK Not OK			
		Explain:			

## Well Development / Purging (circle one)

Time	1510	1513	1516	1519	1522	1525	15-28	1531	1534	10 Has
Water Level	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30
pH	6.15	6.18	6.18	6.18	6.22	6.22	6-21	6.21	6.21	621
Conductivity ms/cm	1.17	1-17	1.16	1.15	1.15	1.14	1.14	1.13	1.13	11-11
Temperature °C	13.96	14.10	14.15	14.21	14.29	14.33	14.38	14.42	14.44	14.44
ORP ORPMU	147	141	140	139	137	136	135	133	133	129
Turbidity horu	0.3.	0.9	0.1	0.0	0.0	0.0	0.6	0.0	0.0	100
Color	CLEAN									->
Dissolved Oxygen was/L	3.90	3.65	3.37	3.29	3.13	3.22	3-01	Z.97	2.97	Z.98_
Purge Volume	0.75			B. 5692			0.756m	- 1		21.2564

Decon Method:			11/11/-775
eccon method.	026	Sample Number:	7000 613
Vater Level Start:	0.60	Water Level Finish:	8.25
Sampling Method:	PAMESTAUTIL	Field comments:	
ilter Type:			

WW-

Well Number: 2%-D	Project Name: BFC	
Project Number: 410 - K	Date: 11/28/16	Weather: Cloudy
Development / Purge Method: PAUS DAVIE	Well Screen Interval: 18 to 23	Tidally Influenced? YES (IN Cam ING)
Logged By: KANT	Water Depth Start: 12,08	Field Comments: 23 17-50 SET TUBER
Purge Water Disposal Method: 55 GAL Prun	Water Depth Finish: 12.00	11
Purge Water Disposal Volume: 23542	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
	9	Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	12:24	12 28	1231	12:34	12:37	12:40	17:43	12:46	12.49	1253
Water Level	12.05	12.06	17.4	12.05	12.04	12.04	12.02	1202	12.07	17.00
<b>∦</b> pH	6.56	651	6.48	6.47	6.47	6.46	6.46	6.46	6.45	6.45
* Conductivity *MS/cm	0.213	0.196	0.198	0.200	0.204	0.203	0.205	0.708	0.214	0,718
Temperature °	14.63	15.06	15.09	15.07	15.04	15.04	15.02	15.06	15.06	15.07
KORP ORPMU	-71	-70	-70	-70	-71	- 7Z	-7z	-74	-74	-75
Turbidity NTU	42.5	40.2	30,2	22.2	16.5	8-3	4.8	1.6	0.4	0.0
Color	CLEAR	SAME				-	-	-		-
Dissolved Oxygen Mg/	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purge Volume	70.75	20.5	20,75	= 19A2	=1.25	21.594	5 1.75	2 Z9A2	2.25	2.5

Well Sampling In	Well Sampling Information (complete if well is sampled)		11111 700
Decon Method:		Sample Number:	NM-C81
Water Level Start:	12.08	Water Level Finish:	
Sampling Method:	PAUS PAUS Pump	Field comments:	
Filter Type:			

MW-		
Well Number: Z85	Project Name:	
Project Number: 4/0-K	Date: 11/28/14	Weather: CLOURY
Development / Purge Method: PERISTALTER Purul	Well Screen Interval: 5' to 12'	Tidaily Influenced? 100
Logged By: KARIS	Water Depth Start: 8, ZZ	Field Comments: SET TUB @ 10'
Purge Water Disposal Method: 556AL Dawn	Water Depth Finish: 8.76	
Purge Water Disposal Volume: 7.75 642	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
	Transfer Manager	Explain:

## Well Development / Purging (circle one)

Purge Volume	7 1,25 gar		1.5gm		1.759AL		22942
Dissolved Oxygen	5.09	4.61	4.82	4.85	4.90	4.81	4.32
Color	CLEAR			-			<b>&gt;</b>
Turbidity NTU	3.2	2.5	1,7	1.0	0.5	0.1	0.0
ORP ORP MY	116	118	120	122	123	125	128
Temperature °C	1515	15.16	15.27	15.41	1541	1,5,42	15.42
Conductivity MS/cm	0.708	0.700	0.694	0.690	0,600	0.689	0.690
рН	6.32	6.29	6.26	6.26	6.26	6.26	6.26
Water Level	8.22	8.22	8.26	8.26	8.26	8.76	8.26
Time	1317	1320	1323	13.26	1329	1332	1335

Well Sampling I	nformation (complete if well is sampled)		MW Z 85
Decon Method:		Sample Number:	-1
Water Level Start:	8.15	Water Level Finish:	8.14
vvaler Level Otali.	D.	Field comments:	
Sampling Method:	ANSSTALIE		
Filter Type:			

Well Number: IP-4	Project Name: 3FC	
Project Number: 4/8 - K	Date: 11/30/16	Weather:
Development / Purge Method: 7. Pump	Well Screen Interval: 8' to Ho	Tidally Influenced?
Logged By: LAS	Water Depth Start: 9.87	Field Comments: SET TUBER 2 13
Purge Water Disposal Method: Paun	Water Depth Finish: 10.10	El Tanel 213
Purge Water Disposal Volume: 27.5	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Time	0900	0903	0906	0909	0912	09.15	0918	0921
Water Level	10.36	10.39	10.41	10.43	10.45	10.45	10.46	10.50
рН	6,39	6.41	6.43	6.45	6.43	641	640	4,42
Conductivity Ms/cm	1.18	1-19	1.19	1.20	1,22	1.73	1.24	1,25
Temperature	12.36	12.83°C	17.94	13:14	13./5	13.16	1321	13.24
ORP	-130	-134	-138	-140	-142	-144	-144	-146
Turbidity	55.3	49.0	33.1	23.5	18.3	17.2	14.9	14.9
Color	CLEAR -							+
Dissolved Oxygen	1.78	0.45	0.18	0.00	0,00	0.00	0.00	0.00
Purge Volume	2 .5gm	2.759AL	=1gm	13/25		\$1.50	21.75	=20m1

Well Sampling I	nformation (complete if well is sampled)		
Decon Method:		Sample Number:	IP-4
Water Level Start:	9.87	Water Level Finish:	1010
Sampling Method:	P. Pyrof	Field comments:	
Filter Type:	45 weign		

Well Number: IP-5	Project Name:	
Project Number: 0410 - K	Date: 11/30/16	Weather: Coal Windly overcast
Development / Purge Method: Por Punp	Well Screen Interval: 18 to 24	Tidally Influenced?
Logged By:	Water Depth Start: 12.92	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	Sampler Flow 18
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Time	845	855	900	903	906	910
Water Level	12.92	12.95	13.00	12.98	12.99	13.00
рН		6.56	6.51	6,49	6.50	6.49
Conductivity ms/c	ch	0.629	0,625	0,596	0.582	0.576
Temperature		11.08	12,30	12,33	12.43	12.48
ORP / V		16	-35	-36	-43	-47
Turbidity NTV		24.5	40.7	36.8	16.2	6.3
Color		CIT				
Dissolved Oxygen <sup>17</sup>	5/4	3.28	2.29	2,23	2.08	1.99
Purge Volume		16,91	1.5 Gm/	1,25 00/	2 901	2.25ger
				0		1 2.2 301

Well Sampling Information (complete if well is sampled)  Decon Method:	Sample Number:	IP-5
Water Level Start: 13,60	Water Level Finish:	/3,00
Sampling Method: Filter Type:	A	Field Dup MW-B

<b>Daily Field Notes</b>	Project I	Name:		
Project Number:	Page	of		
Date:	Weath			
Started: Completed:	Other	Information:		
ompiced:				
Diary				
	et who	Level Ind	Tre	
MW-28D	12 F4	And Solin		
	11.96 FL	(Sellar)	5.1	
MW-285	6.66	(C/10EV)	8:50	
mw-27D	11.94		7.00	5×1
275	7.23		70l	1/2-1
26 D	12.24		905 /	//\
265	6,92		906	1-1-
MW - 75	7.38			1-1-1-1
MW-29	8.73		908	
Mw-71	12.67		912	++
MW-18	6.96		915	1-1-1-1
Mvi-19	10.31		918	1-1-4
P-3	12.96		925	(+
			930	1-/
	8.01	1., , , , , , , , , , , ,	935	V-(
	238	(big.bup)	950	7
MW-23	8.63		1/1000	
MW-22	8.92		1010	
- IY - T		big burp)	020	
MW-10	11.89	burp)	展1015	
777				
				4-,
10.7		-4		
[P-7	15.12 de	pth to M2D		
	12.30 d	epth to prad		
Approved:		Signed	l:	g-logics

	BFC	
Well Number: MN -26	S Project Name:	
Project Number: 410-K	Date: 3/24	Weather: SUN
Development / Purge Method:	Well Screen Interval: to	Tidally influenced?
Logged By:	Water Depth Start: 6,8	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Time	1/37	1145	1/55	1205	1210		
Water Level	6.81	6.95	6.96	6.98	698	41	
pH		620	6.14	6.14	6,13		
Conductivity		0,244	0245	0.246	0.298		
Temperature		10.06	10.08	10.04	10,05		
ORP		106	110	108	108	1,1	
Turbidity		5.7	2.2	1.3	0.6		
Color							
Dissolved Oxygen	,	90	0/0	0/0	0/5		
Purge Volume	8	1.2	2.0	3.0	3.5		

Well Sampling Information (complete if well is sampled)		1 220112 3	0 1215
Decon Method:	Sample Number:	MW-265-03242017	6 1613
Water Level Start:	Water Level Finish: Field comments:		
Sampling Method:	-		
Filter Type:			

Well Number: MW-25	Project Name: RFC	
Project Number: 01-0410-K	Date: 3/23	Weather: Symy
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By: ZW	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 7.75 (Red Salast	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Time	935	940	945	9.50	955	
Water Level	(B) (B)					
рН	8.93	7.92	7.62	7.43	7,36	
Conductivity	0,489	0.474				
Temperature	10,67	11,22	11.30	11.55	11.61	
ORP	103	117	125	128	/30	
Turbidity	88.8	112	XX 69.9	62.8	59.5	
Color	Cir					
Dissolved Oxygen	0/0	0/0	0/0	0/0	%	
Purge Volume	1 Gal	15	1,75	2,0	2.25	

Well Sampling Information (complete if well is sampled)		
Decon Method:	Sample Number:	@ 1000
Water Level Start:	Water Level Finish:	
Sampling Method:	Field comments:	
Filter Type:		

Las tide @ 9.30

Well Number: M ₩ - 23	Project Name: RFC	
Project Number: 410-K	Date: 3/23	Weather: Partly Clauder
Development / Purge Method:	Well Screen Interval: 5.5 to 15.5	Tidally Influenced? / Ye 5
Logged By: モレ	Water Depth Start: 90 Red Solinst	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

#### Well Development / Purging (circle one)

Time	1045	1050	1055	1100	1105			
Water Level	9.00	9.00	8.93	8.94	895			
pH	6.35	6.35	6,39	6,40	6,43			
Conductivity	0.654	0.658	0.660	0.660	0.658			
Temperature	11.71	11.73	11,70	11.66	11.66			
ORP	169	166	160	155	152			
Turbidity	Ø	1	0.4	Ø	8			
Color	dr	cir	cir	cir	cir			
Dissolved Oxygen	0/6	0/0	0/0	0/0	0/0			
Purge Volume	1.5	2.0	2,5	3,\$	3,5	40	45	50

Well Sampling Information (complete if well is sampled)		723	- 11
Decon Method:	Sample Number:	MW-23-2017	Q 1100
Water Level Start:	Water Level Finish:		
Sampling Method:	Field comments:		
Filter Type:	_		

Well Number:	Project Name:	4. 大學生學 5. 中華時代本 美国新兴 (1922年 ) A.
Project Number: 1105 -A	Date: 3/23	Weather: Cloudy, SOF
Development / Purge Method: Parastaltic	Well Screen Interval: 7 to 14	Tidally Influenced?
Logged By:	Water Depth Start: \$.45	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Time	1115	1120	1125	1130	1135	1140	
Water Level	7.308		-	3400			
pH	7.30	7.01	6.93	6.91	6.90	6.88	
Conductivity	0.45	0.518	0.545	0.566	0.578	0.581	
Temperature	11.88	12.57	17.50	12.85	12.87	17.88	
ORP	61	11	9	6	5	5	
Turbidity	19.7	16.9	7.7	4,7	29	3.8	
Color	CIV	CIV	CW	CV	CIV	cir	
Dissolved Oxygen	0,00	0.13 mg/L	0.13	80,0	0.11	0.05	
Purge Volume (44)	201	0.2	0.2	0,7	0,2	0.2	

Well Sampling I	nformation (complete if well is sampled)		M. 1 ==
Decon Method:	Dedicated Tubing	Sample Number:	MW-22
Water Level Start:	8,48	Water Level Finish:	5 - 1 11.121 D
Sampling Method:	-		Samples collected a 1150
Filter Type:			

Well Number:	MW-24		roject Name		COLD TO SERVICE	Charles Street	19. 是16. 代别/2015年,193	
Project Number:		Date: 3	123		Weather: (1)	w/s/		
Development / Purge Method:		Well Screen le	Well Screen Interval: 8.65 to 13.65			U		
Logged By:		Water Depth	Water Depth Start:			Field Comments:		
Purge Water Disposal Method	Purge Water Disposal Method:		Water Depth Finish:					
Purge Water Disposal Volume	:	Bails Dry?	Balls Dry? Yes No What Volume? /2 Gallon			Well Conditions: OK Not OK		
						Explain:		
Well Developm	nent / Purging (ci	rcle one)		Casing Volume in Gallor Purge Volumes: 1" Dlam	s: 1" Diam = 0.041 gal/ft, 2 0.041 * 3 casings * 10' scr	2" Diam = 0.163 gal/ft, 4" D reen = 1.23 gallons, 2" Dian	lam = 0.853 gal/ft n 0.163 * 3 casings * 10' screen = 4.89 gaild	
Time	1/43	1148	1200	A Comment				
Water Level								

Time	1/43	1148	1200		
Water Level					
pH	6.44	6,53	6.53		
Conductivity	1.32	1,26	1,29		
Temperature	11.99	1217	12.16		
ORP	24	3	0		
Turbidity	30	77.1	79.3		
Color	CIFBOU	clr	Cir		
Dissolved Oxygen	0/6	%	0/0		
Purge Volume	0.5	0,75	1.25		

Well Sampling Information (complete if well is sampled)		W - 24- 377717	0 1200
Decon Method:	Sample Number:	MN-61-3636017	6 1200
Water Level Start:	Water Level Finish: Field comments:	-	
Sampling Method:	-		
Filter Type:			

Well Number:	Project Name:			
Project Number:	Date: 3/23	Weather: Cloudy, Sunny 55°F		
Development / Purge Method:	Well Screen Interval: 5 to 75	Tidally Influenced?		
Logged By:	Water Depth Start: 11,53	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		

## Well Development / Purging (circle one)

Time	1240	1245	1250	1255	1300	1305	1310	
Water Level	11.53	-	_		_	_	-	11,31
рН	6.75	6.66	6.63	6.62	6.61	6,61	6.61	
Conductivity	0.515	0,499	0.474	0,457	0.444	0.438	0,432	
Temperature	14.64	14,70	14.81	14.90	15,02	15.05	15,10	
ORP	-42	-51	-54	-57	-59	-60	-62	
Turbidity	793	22.2	11.8	9.1	3.9	1.4	0.4	
Color	CIV	CIV	CIr	CIr	CIV.	CIV	CIV	+
Dissolved Oxygen	0.79	0.73	1,29	1,37	1.36	1.34	7.00	
Purge Volume	0,43	0,43	0143	0.23	0绝3	0,23	013	

Well Sampling Information (complete if well is sampled)		M. 1 = >	
Decon Method:	Sample Number:	MW-ZD	
Water Level Start: 11,53	Water Level Finish:	(1,3)	
Sampling Method:	Field comments:	Sampled a) 1815	
Camping Westing.			
Filter Type:			

Well Number: IP-3	Project Name:	
Project Number: 01 _ 410 _ C	Date: 3/23	Weather: Smy
Development / Purge Method:	Well Screen Interval: 18 to 24	Tidally Influenced? / 125
Logged By: Z W Water Depth Start: 12, 8		Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No. What Volume?	Well Conditions: OK Not OK  Explain:

#### Well Development / Purging (circle one)

Time	1319	1325	1330	1335	1340		
Water Level	12.8	12.8	12.8	12.78	12,28		
рН	6.35	6.25	623	6.22	621		
Conductivity	0.527	0.504	0.479	0.424	0.420		
Temperature	14.11	14.20	14.24	14.29	14,29		
ORP	13	8	5	2	2		
Turbidity	7.7	1.9	0.8	1	0		
Color	ar	olr	cir	00	cir		
Dissolved Oxygen	0/0	0/0	0/0	0/0	0/0		
Purge Volume	2.5	1.0	1.5	2.0	2.5		

Well Sampling Information (complete if well is sampled)		1 3 2222 .7	O War
Decon Method:	Sample Number:	IP-5-5252014	E 1900
Water Level Start:	Water Level Finish: Field comments:	12.78	
Sampling Method:	-		
Filter Type:			

Well Number:	Project Name:	是一种主义是"自然",是"就是",这一个"	
Project Number: 01-0410-K	Date: 3/23	Weather:	
Development / Purge Method:	Well Screen Interval: 15- to 20	Tidaliy influenced?	
Logged By:	Water Depth Start: 9 14 9 7	Field Comments:	
Purge Water Disposal Method:	Water Depth Finish:		
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK	
		Explain:	

#### Well Development / Purging (circle one)

Time	4/1355	1400	1405	1410	1415	1420	
Water Level	9.43	-	-				
pH	6.62	6.63	6,63	6.63	6.63	6 63	
Conductivity	0,499	0,505	0.509	0.513	0.509	0.508	
Temperature	18.09	17,99	17.84	17,73	17.79	17.81	
ORP	-46	- 2	-8	-13	-16	-17	
Turbidity	15.5	10.9	6.3	1.6	0.0	00	
Color	CIV	CW	CIV	CIr	Cir	CIV	
Dissolved Oxygen	1.79	0:15	0.00	0.00	0.0	6.0	
Purge Volume	0.2	0,2	0.2	0012	0.2	0,2	

Well Sampling In	formation (complete if well is sampled)	Samole Number:	MW-19
Decon Method:	227	Sample Number.	900
Water Level Start:	9,9 7	Water Level Finish:	7188
Sampling Method:		Field comments:	Sampled a 1425
Filter Type:			

Well Number: IP-5	Project Name: 8 C	是一种自己的特殊。
Project Number: 410 - K	Date: 3/23	Weather: Sumy
Development / Purge Method:	Well Screen Interval: 18 to 21	Tidally Influenced?
Logged By: 군니	Water Depth Start: 13.46	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

				4.	Vite -	11-7	Mari	11134
Time	1400	1405	1410	1415	1420	1425	1430	1435
Water Level	13.46	13,44	13,6/	13,50	13,50	13,48		
pH	6.14	6,13	6.13	6.16	6.16	6.17		
Conductivity	0.614	0,616	0.61h	0,601	0,563	0,510		
Temperature	14.3	14.36	14,41	14.42	1447	14.52		
ORP	17	17	16	12	9	7		
Turbidity	15.8	13.1	13, )	8.7	8,2	6.2.		
Color	cir	clr	cll	clr	CIT	cir		
Dissolved Oxygen	0/0	0/0	0/0	0/0	0/0	0/0		
Purge Volume	0,5	1.0	1.5	2.0	2.5	3.0	R.5	4.0

Well Sampling Information (complete if well is sampled)		10 6 2222 17 0	1440
Decon Method:	Sample Number:	1P-5-3232017 @	1770
Water Level Start:	Water Level Finish: Field comments:	FD-1 (FD-1-3232017)	
Sampling Method:	-		
Filter Type:			

Well Number: IP-4 Project Name: 8-C				
Project Number:	Date: 3/20	Weather:		
Development / Purge Method:	Well Screen Interval: 8 to 16	Tidally influenced?		
Logged By:	Water Depth Start:	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK  Explain:		

#### Well Development / Purging (circle one)

Time	1520	1525	1530	1535	1540	1545	
Water Level							
pH	6,50	650	650	6.53	6.54	6.56	
Conductivity	0.952	0.959	0.977	0.996	1.00	1.01	
Temperature	13.50	13.40	13.44	13.42	13,41	13.5)	
ORP	-10	-14	-25	-33	-38	-40	
Turbidity	18.9	15.9	13.3	12.3	11.5	10.0	
Color	cir+sity	rde	CIC	clr	CIF	713	
Dissolved Oxygen	0/0	0/0	0/0	0/0	0/0	0/0	
Purge Volume	1.0	1,5	2.0	2.5	3.0	3.5	

Well Sampling Information (complete if well is sampled)		10 11 2222217 () 152-
Decon Method:	Sample Number:	Ir-7-3232017 (a) 1330
Water Level Start:	Water Level Finish: Field comments:	- 1-11 1 1 1 1 1 1 1 1 1 1 1
Sampling Method:	_	Initially very turbed, cleared up & 1.0
Filter Type:		

Well Number:	Project Name:		
Project Number: 0410 - K	Date: 3/23/17	Weather: Sunny, Ptly Cloudy 55"	
Development / Purge Method:	Well Screen Interval:	Tidally Influenced?	
Logged By:	Water Depth Start: 6,94	Field Comments:	
Purge Water Disposal Method: Drum	Water Depth Finish: 7.12		
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK	
		Explain:	

#### Well Development / Purging (circle one)

Time	153520	1525	1530	1535	1540	
Water Level	6.94	× -	-		_	
pH	6.66	6.60	6.58	6.56	6.56	
Conductivity	0,516	0,513	0.510	0.509	0.509	
Temperature	13.47	13.20	13.06	13.09	13:07	
ORP	105	99	97	97	97	
Turbidity	0.6	0.0	0.0	0.0	0,0	
Color	Clv	CIr	CIV	(1/	CIV	
Dissolved Oxygen	0.0	0.0	0.0	0.0	0.0	
Purge Volume	0.43	0.143	0.43	0,1463	0.3	

Decon Method:	formation (complete if well is sampled) Dedicated Tubing	Sample Number:	MW-18
Decon Method:	1 94	Campie Manuel.	50 10017 1545
Vater Level Start:	6.79	Water Level Finish:	Jampiege a
		Field comments:	H 2 2 7.13
ampling Method:			-1700
Filter Type:			

Well Number: MW-2/	Project Name:	
Project Number: 410-8	Date: 3/23	Weather:
Development / Purge Method: Poff	Well Screen Interval: 15 to 70	Tidally influenced?
Logged By:	Water Depth Start: 11, 79	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 12.34	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK  Explain:

#### Well Development / Purging (circle one)

Time	1670	1625	1630	1635	1640	
Water Level	11.79	_	-	-		
pH	6.56	6.58	6.58	6.58	6.58	
Conductivity	0.519	0.562	0.585	0,607	0.610	
Temperature	18.08	16.95	16.24	15.91	15.89	
ORP	-38	-54	-59	-65	-67	
Turbidity	1.0	4.9	2.0	Ø	Ø	
Color	Clr	CIV	clr	clr	clr	
Dissolved Oxygen	1.45	2,1	2,18	2.17	2.16	
Purge Volume	0.2	0.2	0,75	1.2	1,5	

Well Sampling Information (complete if well is sampled)		MW-46 Z1-3232017	O Why
Decon Method:	Sample Number:	MW-80 21-3232017	0 164
Water Level Start: 11,79	Water Level Finish:	12.34	
Sampling Method:	=		
Filter Type:			

-	2 .	-	-
- 40	C 7	-	
15.	3.4		_

Well Number: MW - 280	Project Name:	
Project Number: 413-K	Date: 3/24	Weather: Lain , Cosl
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced?
Logged By:	Water Depth Start: 11,82 Led Sainst	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Time	9:16	9:21	926	934	940	950	1000	
Water Level	1182		11.9	11.92	11.95	12,0	12.0	
pH	11.6	6.42	6.37	6.32	6.30	6.28	6.28	
Conductivity		0.143	0,152	0.164	0,17	0.168	0.125	
Temperature		13.78	14,12	14.17	14.07	14.11	14.30	
ORP		118	85	66	53	47	41	
Turbidity		39	32	31	11.3	4.2	07	
Color								
Dissolved Oxygen		0/0	0/0	0/0	0/0	0/0	0/0	
Purge Volume	Ø	.5	1.0	1.75	2.5	3.5	4.5	

Well Sampling Information (complete if well is sampled)		MU-28D-3242017	0	1000
Decon Method:	Sample Number:	1110-205-369201-	(V)	1000
Water Level Start:	Water Level Finish: Field comments:	FD-2-3242014		
Sampling Method:	-			
Filter Type:				

Well Number:	Project Name:	<b>建一种基础的基础的基础的基础的基础</b>
Project Number:	Date: 3/2 4	Weather:
Development / Purge Method:	Weil Screen Interval: 14,5 to 71,5	Tidally influenced?
Logged By:	Water Depth Start: 11,72	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 11 87	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK  Explain:

#### Well Development / Purging (circle one)

Time	920	925	930	935	940	945	950	155	1000
Water Level	11.72	-	_	-			_	-	
pH	6.59	6.60	10.63	6.65	6.66	6.65	6.65	6.65	6.65
Conductivity	0.848	0,764	0.672	0.526	0.438	0,431	0.375	0,345	0.372
Temperature	10.89	12.19	17,86	13.16	13.31	13,38	13.45	13,48	13,51
ORP	-28	-48	-51	-51	-49	-48	-46	-45	-46
Turbidity	11.6	17.4	16.3	17.7	8.7	7.4	7.0	6.5	6.7
Color	CIZ	(11	CIV	(Ir	CIV	CIV	CIr	CIV	CIr
Dissolved Oxygen	4,40	3.41	7.67	7.42	1.96	1,68	1.39	1.38	1,30
Purge Volume	0	0.4	0.4	0,4	0.4	04	0.4	0,4	0,4

Well Sampling I	nformation (complete if well is sampled)		MW- 77 D
Decon Method:	Tredicated 100mg	Sample Number:	
Martin I and Otash	11.77	Water Level Finish:	Samples collected a 1005
Water Level Start:		Field comments:	
Sampling Method:			
Filter Tupe:			

Well Number:	Project Name:				
Project Number: 0410-K	Date:	Weather:			
Development / Purge Method:	Well Screen Interval: 7 to 7	Tidally influenced?			
Logged By:	Water Depth Start: 7,73	Field Comments:			
Purge Water Disposal Method:	Water Depth Finish: 73				
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK			
		Explain:			

#### Well Development / Purging (circle one)

Time	1030	1035	1040	1045	1050		
Water Level	7.23	_		-	_		
pH	6.71	6.74	6.73	6.73	6,73		
Conductivity	5,972	0,928	0.919	0.941	0.875		
Temperature	11,74	11.74	11,75	11-77	11.79		
ORP	73	113	132	144	152		
Turbidity	7,1	P,0	0.0	0.0	0.0		
Color	CIV	CIV	Civ	(IV	CIV		
Dissolved Oxygen	1,46	0.80	0.64	0.46	0.37		
Purge Volume	0.4	0,4	0.4	0.4	0.4		

	Information (complete if well is sampled)	Sample Number:	MW-275
Decon Method:	773		7.31
Water Level Start:	4160	Water Level Finish: Field comments:	Samples collected D 1055
Sampling Method:	-		Simples confections
Filter Type:		_	

Well Number: M11-28	Date: 3/24	Weather:
Project Number: 410 - L.  Development / Purge Method:	Well Screen Interval: 5 to 2	Tideily Influenced?
Logged By:	Water Depth Start: 6.8 Red Solinst	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
I might state of the state of t		Explain:

## Well Development / Purging (circle one)

X.7 = 3.4

Time	1040	1048	1055	1120	1110	
Water Level	6 80	6.95	63	6.97	6.98	
pH		6.38	6.35	6.38	6.42	
Conductivity		0,514	0,511	0.507	0.506	
Temperature		12.01	12,02	12.04	1206	
ORP		83.	87	92	93	
Turbidity		Ø	0	Ø	8	
Color						
Dissolved Oxygen		0/0	0/0	0/0	Ø	
Purge Volume		1.0	1.8	2.5	3.5	

Well Sampling Information (complete if well is sampled)		MW-285-3242017 @ 1/19
Decon Method:	Sample Number:	1110-683 25/65/
Water Level Start:	Water Level Finish: Field comments:	
Sampling Method:		
Filter Type:		

Well Number:	Project Name:	
Project Number:	Date:	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start: 12,32	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK  Explain:

## Well Development / Purging (circle one)

Time	11 ME \$30	1135	1140	1145	1150	1155	
Water Level	17.32	_	-	_	-		
pH	6.99	6.90	6.80	6,74	6.68	6,65	
Conductivity	0.542	\$ 0576	0.489	0.466	0.477	0,436	
Temperature	13.31	13.51	13.63	13.73	13.77	13.82	
ORP	76	44	29	24	21	19	
Turbidity	78.1	77,4	32.9	22.8	27.3	12.0	
Color	CIV	CIV	CI	CI	CI	CIr	
Dissolved Oxygen	0.76	0.15	0.01	0,0	0,0	0,00	
Purge Volume	0495	DAS	0.45	0.45	045	0,5	

Well Sampling Information (complete if well is sampled)		MW-	760
Decon Method:  Water Level Start:	Sample Number:  Water Level Finish: Field comments:	12,31	Sampled a) 1200
Sampling Method:	-	-	
Filter Type:			

111-16 BEL Well Number: Project Name: Project Number: Date: Weather: Development / Purge Method: Well Screen Interval: to Tidally Influenced? Logged By: Water Depth Start: Field Comments: Purge Water Disposal Method: Water Depth Finish: Purge Water Disposal Volume: Balls Dry? Yes No What Volume? Well Conditions: OK Not OK Explain: Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons Well Development / Purging (circle one) 0.04 50,1 Time Water Level (ft) pH Conductivity (mS/cm) 440 Temperature (F) ORP (mV) Turbidity (NTUs) Dissolved Oxygen (mg/L,%) Color .75 1.25 Purge Volume Well Sampling Information (complete if well is sampled) MW-18-7272017 (V Decon Method: Sample Number: Water Level Start: Water Level Finish: Sampling Method: Field comments:

Filter Type:

Well Number:			Project Name:	1						
Project Number: 4/0- k		Date:	7/42 P		Weather:	Weather:				
Development / Purge Method:		Well Screen	Interval: to	,	Tidally Influe	enced?				
Logged By:		Water Depth	Start: // 94	R=2 (7=7)	Field Comments:					
Trace September 1		7 7 7 7			est fin mag					
		Bails Dry?	Yes No What Volume?		Well Conditi Explain:	ons: OK Not O	OK.			
Well Development /	Purging (circ	le one)	× 0.041		ns: 1" Diam = 0.04 0.041 * 3 casings	1 gal/ft, 2" Diam = 0.1 * 10' screen = 1.23 ga	63 gal/ft, 4" Diam = 0.6 allons, 2" Diam 0.163 * :	53 gal/ft 3 casings * 10' screen = 4.89 g.		
Time	235	945	955							
Water Level (ft)	10:08	~								
рН	6.30	6.33	6.733							
Conductivity (mS/cm)	554	55%	55-4							
Temperature (F)	154	15,4	18.5							
ORP (mV)	-17.1	-53,4	-5 (2)							
Turbidity (NTUs)	2020	10,3	-12.3							
Dissolved Oxygen (mg/L,%)	TIE	0.78	0.92							
Color	Cic .									
Purge Volume	0.5	(J.DO	1.5							

Well Number: Project Name:		,	- I make	Las acceptance of the control of the					
Project Number:  Development / Purge Method:		Well Screen I	127 nterval: 15	to 20	Weather: Tidally Influenced?				
Logged By:			Water Depth Start: 12.05			Tidally Influenced?			
Purge Water Disposal Method:			Water Depth Finish:		, icid dominicin				
Purge Water Disposal Volume:		Bails Dry?	Bails Dry? Yes No What Volume?			Well Conditions: OK Not OK  Explain:			
Well Development	/ Purging (cire	cle one)	= 0.3 >	Casing Volume in Gal Purge Volumes: 1" Di	llons: 1" Diam = 0.041 g am 0.041 * 3 casings * 1	al/ft, 2" Diam = 0.16 0' screen = 1.23 gal	3 galift, 4" Diam = 0.6 lons, 2" Diam 0.163 *	653 gal/ft 3 casings * 10' screen = 4.89	
Time	836	845	\$55	900					
Water Level (ft)	12.05								
Н	6.37	63	E 28	6.25					
Conductivity (mS/cm)	414.0	4063	380 1	370					
Temperature (F)	15.0	19.8	15,1	15.0					
ORP (mV)	_94.2	-91.7	-/01.4	-/05,2					
Turbidity (NTUs)	27.3	48.0	12.4	12.7					
Dissolved Oxygen (mg/L,%)	1.11	4.66	0.17	0.97					
Color	cir	clo	ALC	cir					
	0.5	0 74	1.00	4.25					

Field comments:

Sampling Method:

Filter Type:

MIN-21

Filter Type:

Well Number: Project N				ne:				
Development / Purge Method:  Logged By: Swaper Development / Purge Water Disposal Method:  Water Development / Purge Method:  Water Development / Purge Method:			7/27			Weather: Overeat		
				to	. т	Tidally Influenced?		
			th Start: 15.3		F	ield Comments:		
			th Finish:			reld Comments: Falling Title		
			Yes No What Volum	e?		Well Conditions: OK Not OK  Explain:		
Well Developmen	t / Purging (cire	cle one)	VENT THOCK	Casing Volume	e in Gallons; 1" D s: 1" Diam 0.041	olam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallon		
Time	1824	1234	1240	1245	1250			
Water Level (ft)	15,3		-	-				
рН	654	5.57	6.23	6.28	6 20	7		
Conductivity (mS/cm)	454.5	549	562	675	516			
Temperature (F)	16.0	15.4	16.0	16.)	16.1			
ORP (mV)	205.3 T	186.5	-94,1	499.3	-100	7		
Turbidity (NTUs)	54.6	96	5%	1-62	- 6.	6		
Dissolved Oxygen (mg/L,%)	1.86	0.73	8.9	0.87	8.8			
Color	CIC	cir	-11	215	EV			
Purge Volume	0	0.25	1,00	1,25	1.4			
Well Sampling Inf Decon Method: Water Level Start: Sampling Method:	ormation (com	plete if well	is sampled)	Sample N Water Le Field con	vel Finish:	MW-21-7272017 @ /300		

9 8 of tubing to get to edge - is and

Well Number: Mw-ZZ	Project Name: BCC	
Project Number: 6410-14	Date: 7/12/17	Weather:
Development / Purge Method:	Well Screen Interval: 7 to 14	Tidally influenced?
Logged By:	Water Depth Start: 10, 18	Field Comments:
Purge Water Disposal Method: D/ w m	Water Depth Finish:	# Sampled D 12
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1210	1215	1220	1225	1230	1235	1245	
Water Level (ft)	10.48	_	-	-	_	_		_
pH	6.86	6.91	6,91	6.91	6.91	6.90	6.90	
Conductivity (mS/cm)	0.548	0.539	0 536	0.516	0.547	0.541	0.550	
Temperature (F)	22.53	19.52	18.95	18.60	18.83	18.57	9.60	I
ORP (mV)	169	116	87	67	58	51	41	
Turbidity (NTUs)	16,7	10.5	0.0	& 1.Z	0.0	0.0	0.0	
Dissolved Oxygen (mg/L,%)	0.82	0.75	0.73	0.93	0,99	1.08	0.90	
Color	CV	CA	CIr	CIV	CV	CIE	CV	
Purge Volume	0.7	0.9	5.1	8.0	1.0	1.2	1,4	

well Sampling i	mormation (complete if well is sampled)		
Decon Method:	Dedicated	Sample Number:	MW-22- MARLY 4 7262017
Water Level Start:	10.48	Water Level Finish:	10.80
Sampling Method:	Lon Flow	Field comments:	Sampled D 1245
Filter Type:			

	MU-23			BFC					
Well Number:		P	Project Name:						
Project Number: 410	-K	Date: 7/	26			Weather: Sumy			
Development / Purge Metho	d:	Well Screen In	terval: 5,5	_ to _ /5.5		Tidally Influenced?			
Logged By: Z   Purge Water Disposal Metho	Water Depth S	11.11.12			Field Comments: Moneyment Full of Water				
Purge Water Disposal Volum	Purge Water Disposal Volume:			me?		Well Conditions: OK Not OK Explain:			
Well Develop	oment / Purging (o	circle one)	×0,163 =	Casing Volum Purge Volum		lam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 3 casings * 10' screen = 1.23 gallons, 2'	, 4" Diam = 0.653 gal/ft " Diam 0.163 * 3 casings * 10' screen = 4.89 gallo		
Time	1130	1135	5 1145 1155 12		12,0	)			
Water Level (ft)	11.19	11.30	11.43	11.56	11.90				
рН	617	1,22	6.24	6.25	6.29				

Time	1150	11.53	1140	1122	12,00	
Water Level (ft)	11.19	11.30	11.43	11.56	11.70	
рН	617	1.22	6.24	6.25	6.28	
Conductivity (mS/cm)	529	527	526	527	528	
Temperature (F)	18.7	18,6	18.8	186	18.6	
ORP (mV)	-18.6	-25.7	-31.3	-46.2	-48.1	
Turbidity (NTUs)	7.7-	-1,2	7.2	17.7	24.8	
Dissolved Oxygen (mg/L,%)	1.0%	038	0.189	0.84	0,80	
Color	CIK	211	21	215	clr	
Purge Volume	2	2,5	3.0	3.5	3.75	

Well Sampling Information (complete if well is sampled)			
Decon Method:	Sample Number:	MW-23-7262017	(2) /200
Water Level Start:	Water Level Finish:	11.49	
Sampling Method:	Field comments:		
Filter Type:	_		

MW-2-

Brc

Well Number:			oject Name:						
Project Number: 3/5- &		Date: 7/2		10.16	Weathe	Weather:			
Development / Purge Method:		Well Screen Inter		. 13.65	Tidally	Influenced?			
Logged By:		Water Depth Star	n: 10,87		Field C	omments:			
Purge Water Disposal Method:		Water Depth Fini	7	5 10 1	100.00				
Purge Water Disposal Volume:		Balls Dry? Yes	No What Volume?	Well Conditions: OK Not OK  Explain:					
Well Developmen	nt / Purging (cir		012 83=	Purge Volumes: 1" D	llons: 1" Diam = iam 0.041 * 3 cas	0.041 gal/ft, 2" Diam = 0.16 sings * 10' screen = 1.23 gal	3 gal/ft, 4" Diam = 0.653 lons, 2" Diam 0.163 * 3 c	asings * 10' screen = 4.89	
Time	1340	1345	1350	1408		1 1			
Water Level (ft)	1087	12.50	12,30	11.28					
Н									
Conductivity (mS/cm)									
remperature (F)									
DRP (mV)	- N	1112							
Turbidity (NTUs)	177-	N.							
Dissolved Oxygen (mg/L,%)									
Color									
Purge Volume	Primar My	Puntedon	Not Parise						
Well Sampling In  Decon Method:  Water Level Start:		/	31-3	40 Sec Sample Numb	er:	tt			

Well Number: MW-25	Project Name:	
Project Number: 0 01 C- K	Date: 7/26/17	Weather: Sunny
Development / Purge Method:	Well Screen Interval: 9 to 14	Tidally Influenced?
Logged By:	Water Depth Start: Q,3	Field Comments: & Sampledo 11,5"
Purge Water Disposal Method: Drum	Water Depth Finish: 9.48	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1020	1025	1030	1034	1040	1045	1090
Water Level (ft)	9.31	~	-	-	-	-	-
рН	6.54	6.61	6.66	6.68	6.69	6,70	6.772
Conductivity (mS/cm)	0.572	0,421	0.417	0 419	0,410	0.418	0.414
Temperature (F)	17.70 C	15,49	15.74	15.17	15.19	15.20	15,17
ORP (mV)	194	155	154	155	154	159	161
Turbidity (NTUs)	97.1	4016	11.3	3.2	43.0	G 2.4	3.8
Dissolved Oxygen (mg/L,%)	2.50	0.30	1-29	4.17	4,47	4.18	4,14
Color	Cli	CV	CIV	011	cir	CIN	CIF
Purge Volume	0.74.1013	0.46	au \$ 0.9	PA	1,2	1.5	1.8

well Sampling Informati	on (complete if well is sampled)		
Decon Method:	licated	Sample Number:	MW-25-182000 7262017
Water Level Start: 9	31	Water Level Finish:	4,48
Sampling Method:	r-flow	Field comments:	Collected 21100
Filter Type:			

Well Number: MW- Z65	Project Name: BAC	
Project Number: 01-0410-K	Date: = /27/17	Weather: Cldy
Development / Purge Method:	Well Screen Interval: 7 to 17	Tidally Influenced?
Logged By:	Water Depth Start: 8,99	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: G,80	Sampled DILIS
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	940	g IK	3.12	955	1600	1005	1010
Water Level (ft)	8.49	- Terr	_	-		_	-
рН	6.58	6.63	667	6.66	6,70	6,70	6,70
Conductivity (mS/cm)	01369	0.365	0757	0.347	0,345	0.342	01341
Temperature (F)	11.00	17,19	77.0W	17.05	17.06	17.09	17.09
ORP (mV)	21	-5	- 19	-24	-31	-34	-36
Turbidity (NTUs)	7,43	29,4	17.3	10.5	512	4.5	3 8
Dissolved Oxygen (mg/L,%)	200	0133	0.0	0.0	0.0	0.0	0.0
Color	CIE	CV	CIV	CV	CIV	CIV	Cir
Purge Volume	510	6.4	0,6	0.9	10	1.7	1.4

Decon Method:	Dedicated	Sample Number:	MW-265-7272017	
Water Level Start:	9.99	Water Level Finish:	9.80	

Sampling Method: Conflow Field comments: Collected 2 1015

Filter Type:

Well Sampling Information (complete if well is sampled)

Well Number: MN - 760	Project Name: OHO-K	Project Name: OHO-K BF C			
Project Number: 0410-K	Date: 7/17/17	Weather: Clarify			
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced?			
Logged By:	Water Depth Start: 13, 19	Field Comments: 5 6 M Q Q N TO 10			
Purge Water Disposal Method:	Water Depth Finish: 15,737				
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK			
		Explain:			

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	940	845	950	855	900	905	910	915
Water Level (ft)	1338	_	_	_	-	_	-	
pH	6.79	6,76	6.77	457	676	6.74	622	1.25
Conductivity (mS/cm)	0.400	0.405	0.406	0,405	0.401	0.347	0.500	0.34
Temperature (F)	15.53	14.51	14,42	14.35	14.26	14.71	No.	191.15
ORP (mV)	84	24	ط ا	13	10	8	5	7
Turbidity (NTUs)	5,0	4.1	4,5	114	3.8	211	2,1	7.11
Dissolved Oxygen (mg/L,%)	3,30	0,30	0.03	0.0	0.0	0.0	0-0	00
Color	CIT	CV	CV	CIE	Clr	CIV	ELY.	1111
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.0	16

Decon Method:	Dedicated	Sample Number:	MW-760- 2212 77717
Water Level Start:	13.38	Water Level Finish:	13.37
Sampling Method:	10. Clan	First constant	(1) 1-10 800

Filter Type:

Well Sampling Information (complete if well is sampled)

Project Number:		Date: 7-/	6		Weather:	Weather: 4+			
Development / Purge Method:		Well Screen Int	erval: 7	to	Tidally Inf	Tidally Influenced?			
Logged By: Z 🗸	gged By: Z 4/				Field Con	ments:			
Purge Water Disposal Method:	rum	Water Depth Fi	nish:						
Purge Water Disposal Volume:	Water Disposal Volume:			Balls Dry? Yes No What Volume?					
	NA PA		= 0.5		(6)				
ime	1256	105	115	125					
/ater Level (ft)	7,16	9.22	9.22	9.23					
4	6.28	627	6.28	6.26					
onductivity (mS/cm)	1149	1127	1107	1076		4-1			
emperature (F)	18.9	19.9	19.8	19.5					
RP (mV)	-32.8	-388	-44.2	-48.5					
urbidity (NTUs)	<b>≈</b> 9.7	6.3	7.0	2,9					
to the life that the region of the co	152	129	1,20	1,04					
ssolved Oxygen (mg/L,%)	31-	Cir	CIC	C11					
ssolved Oxygen (mg/L,%)	- h.		1.25	1.5					

Water Level Finish:

Field comments:

Water Level Start:

Sampling Method:

Filter Type:

Well Number:		P	roject Name:						
Project Number: 410-2		Date: 7/-			Weather:	Weather:			
evelopment / Purge Method:	lopment / Purge Method:			Well Screen Interval:			Ing Tide		
ogged By:	ed By: Wa			Water Depth Start: 15.35			0		
urge Water Disposal Method:		Water Depth Fir					_		
urge Water Disposal Volume:		Bails Dry? Ye	s No What Volume	?	Well Conditions: OK Not OK  Explain:				
ater Level (ft)	15,35	15,40	1420	1425					
me	1355	ret at	=1						
ater Level (ft)	15.35	15 110		15 43					
(4)	1.17	6.15	6.15	6116					
	482.6	465,6	437.7	431.0					
inductivity (mS/cm)		C	17. 7	17.3					
	17.2	17	17.0	175					
mperature (F)		-103.7	-107.6	-108,4					
mperature (F)	17.2		107.6	-108,4					
mperature (F) RP (mV) rbidity (NTUs)	17.2								
emperature (F) RP (mV) urbidity (NTUs) ssolved Oxygen (mg/L,%)	17.2 -1007 -37			38.1					

Well Sampling Information (complete if well is sampled)			
Decon Method:	Sample Number:	MW-28D-7262017	_
Water Level Start:	Water Level Finish:	15,43 aptor purge 15.45	_ fer Sanyle
Sampling Method:	Field comments:		
Filter Type:		FN1-7262017	

Well Number: MW-Z85	Project Name:	
Project Number: DI-0410-14	Date: 7/26/17	Weather: Sun H Y
Development / Purge Method: Peri	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start: 9,54	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	\$ 1355	1400	1405	1410	1415	1470	1425	1430
Water Level (ft)	8.54	_	_	-	-	-	-	-
pH	6.88	6.80	6.77	6.74	6,73	6.72	6.72	6.77
Conductivity (mS/cm)	0.544	0558	0.554	0.536	0.534	0.534	0.535	6.532
Temperature (F)	77.71	20.34	19.71	19.36	19.13	18.96	18.80	18.70
ORP (mV)	57	155	170	174	176	177	178	180
Turbidity (NTUs)	0.0	0,0	A58	21.1	230	17.8	17.5	5.5
Dissolved Oxygen (mg/L,%)	2,75	7.01	1.80	ZA. 1.74	1.71	172	1.81	1,68
Color	CIr	CV	CV	CV	CII	CIV	CIX	CIV
Purge Volume	0.2	0.4	0.6	018	1.0	1.2	1, 9	1.6

Decon Method:	Ded la fed	Sample Number:	MW-285- 7262017 + QC VOL	
Water Level Start:	8.51	Water Level Finish:	4.60	
Sampling Method:	con Flor	Field comments:	Collected 1435	
Filter Type:				

Well Number: MW-780	Project Name:	
Project Number: 01-0410K	Date: 7/26/17	Weather: Sunny
Development / Purge Method: P Cri	Well Screen Interval: 6 to 23	Tidally Influenced?
Logged By:	Water Depth Start: 15,75	Field Comments:
Purge Water Disposal Method: DVJM	Water Depth Finish:	Sampled 20.5
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1515	1520	1525	1530	1535	1540	1545
Water Level (ft)	15.26	_			-		
pH	6.75	6.74	6.69	6.67	6.68	6.67	6.65
Conductivity (mS/cm)	01/98	0.708	0.205	205.0	0.707	0.209	0.7.0
Temperature (F)	19.11	15,40	15.07	14.96	14,91	14.87	14.85
ORP (mV)	-62	-32	-34	-39	-40	-41	× 41
Turbidity (NTUs)	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L,%)	1.19	0.17	0.0	0.0	0.0	0.0	0,0
Color	CIV	CV	CIV	CV	CIV	CIV	CV
Purge Volume	0.2	0:4	0.6	0.8	1.0	1.7	1.4

Well Sampling I	nformation (complete if well is sampled)		
Decon Method:	Dedicated	Sample Number:	MW-28D-7262017
Water Level Start:	15.26	Water Level Finish:	
Sampling Method:	Louflow	Field comments:	Sampled & Collected D 1550
Filter Type:			

Well Number: 173	Project Name: BPC	
Project Number: 01-0410-K	Date: 117/17	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 18 to 24	Tidally Influenced?
Logged By:	Water Depth Start: 15 0	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	Sampled 219'
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1235	1240	1245	1250	1255	图1300	1303	1306
Water Level (ft)	15.01	450		-	_		-	-
рН	6.63	6.64	6.64	6.64	6.63	6.63	6.62	6.63
Conductivity (mS/cm)	0.577	0,575	0.520	0.506	0,487	0.474	0.460	0,457
Temperature (F)	15.14	14 60	11157	14.43	14,51	14.43	14.46	14,46
ORP (mV)	77	-18	-37	-35	-38	1-40	-40	-41
Turbidity (NTUs)	0.0	0,0	0.0	0,0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L,%)	1,92	0.17	0.0	0,0	0.0	0.0	0.0	0,0
Color	CI	CIV	CIV	CI	CIV	CIV	CIV	CI
Purge Volume	0.7	0.4	016	018	1.0	12	1.21	1,6

Decon Method:	Ded	Sample Number:	1P3-7777017
Water Level Start:	15.01	Water Level Finish:	
Sampling Method:	Lou Flow	Field comments:	Collected 20 1310

Well Number: JPY	Project Name: BFC	
Project Number: 0F0410-K	Date:	Weather: Cloudy
Development / Purge Method: Peri	Well Screen Interval: 8 to 6	Tidally influenced?
Logged By:	Water Depth Start: 9.94	Field Comments: Sampled D 131
Purge Water Disposal Method:	Water Depth Finish: (O. 07	20 7
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

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Time	1335	1340	1345	1350	1355	1400	1405	1407
Water Level (ft)	9.94	)	_	-			_	1
pH	6.44	6.44	6,45	6,47	6,49	6.50	6.51	6.51
Conductivity (mS/cm)	1282	1287	1283	1280	1285	1283	1294	1295
Temperature (F)	16.3	16.2	16.2	16.2	16.3	16.8	16.9	17,0
ORP (mV)	-118.5	-128.5	-13511	-139.9	-144.4	-148.0	-148.7	-149.0
Turbidity (NTUs)	6.8	8.1	1015	15.8	15.1	15.3	6.9	5.8
Dissolved Oxygen (mg/L,%)	1.56	1,15	0.95	0.86	0.81	0178	0,76	0.76
Color	CIV	CV	CIV	CIV	CIV	CIr	CI	CIV
Purge Volume	0.2	0.4	0.6	0,6	0.4	1.0	1,2	1.4

Decon Method:	Dedicated	Sample Number:	1P4-7272017
Vater Level Start:	9 94'	Water Level Finish:	
Sampling Method:	Lon Flon	Field comments:	collected @ 1410

Well Number: 1P5	Project Name: BFC			
Project Number: 0410-14	Date: 7/27/17	Weather: Cloudy		
Development / Purge Method:	Well Screen Interval: 16 to 24	Tidally Influenced?		
Logged By:	Water Depth Start: 13.76	Field Comments; Sampled 2 19		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1055	1100	1105	1110	1115	1120	1125
Water Level (ft)	13.76	_	_	-	-	-	_
рН	6.58	6.60	6.60	660	6,60	6.60	6.60
Conductivity (mS/cm)	0.5411	0,512	0.517	0.506	0.490	6,474	6.449
Temperature (F)	15.31	14,45	24.14.38	14.36	14,78	14.36	14.36
ORP (mV)	-3	-75	-30	-33	-34	-35	-35
Turbidity (NTUs)	3.6	4.1	7.8	7.7	6.6	6.9	4,7
Dissolved Oxygen (mg/L,%)	1.09	6,0	0.0	0.0	0.0	0.0	00
Color	A CIF	CIV	CIV	Cle	CIV	CIZ	CIV
Purge Volume	017	0.11	0,6	0.8	(,0	1.1	1.4

Well Sampling In	formation (complete if well is sampled)		
Decon Method:	Dedicated	Sample Number;	1P5-7272017 + FDZ-72717
Water Level Start:	13,76	Water Level Finish:	13.65
Sampling Method:	Lon Flow	Field comments:	collected @ 1130
Filter Type:			* obvious sheen to scropp odor on purge
			H70

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Project Name: BFC
Page of
Weather:
Other Information: SOLIWST HED LEVEL FOUR CATON

Well	Depth *	Time	Notes	
MN -285	9.51	0921	MEASURED ON N.	SIDE
MM-5313	14.34	0920	of Puc	
MW-275	9.70	0927		
MW-270	. , ,	8928		
MW-265	9.60	0925		
MM-500	14.66	0924		
IP-3	15-33	0933		
[P.4-	10.77	0934		
IP-5	16.17	0934		
MW-23D	14,52	0939		
M11-24	11,69	0930		
MW-25	10.33	0959		
MW-23	11.08	1103		
MW-22	11.16	1246		
MW-18	9.80	0921		
MW-19	13,58	0923		
MW-20	14,16	0925		
MU-21	14.20	0920		
			* From Top of PV0	
		1		
Approved:		Signed:		0

ject Number: 01-410	K	Date: [0]	Project Number: 01-410-K Date: 10/5-//					
elopment / Purge Method:	PEASTANTE	Well Screen Interval: 1 to 14				Weather: Juny 600's Tidally Influenced? No		
ged By: KANIS	XANIS Water Depth Start: 10.3380959					Field Comments: SET TO LOWEST PUM SPEED  SET THREP 212' BELOW TOC)		
urge Water Disposal Method: Dum Water Depth Finish: 10,40 (1053)								
ge Water Disposal Volume:	1.59AL	Bails Dry?	Bails Dry? Yes No What Volume?			Well Conditions: OK Not OK		
					Expla	in:		
Well Developme	nt / Purging (d	circle one)		Casing Volume Purge Volume	e in Gallons: 1" Diam s: 1" Diam 0.041 * 3 c	= 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" asings * 10' screen = 1.23 gallons, 2" Di	Diam = 0.653 gal/ft am 0.163 * 3 casings * 10' screen = 4.89	
		5.0	1 - 10					
Time	1009	1014	1019	1024	1079	1034		
Time Water Level FT	1009	1014	1019	1024	1029	1034		

Conductivity Ms kon 0.375 6.373 0.372 0.372 0.372 Temperature °C 16.9 16.8 16.9 17.0 17.0 17.0 Salinity ORP(MV) 1560 148.0 148.9 149.1 147.3 145.0 Turbidity Color CLERR > 7.33 7.86 Dissolved Oxygen in 0.67 0.51 0.51 0.48 0.25gAz Purge Volume 0.5 1.25 0.75 1.50

mg/L

Well Sampling I	nformation (complete if well is sampled)		441.4 ==	
Decon Method:	7 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Sample Number:	MW-25-1052017	
Water Level Start:		Water Level Finish:	,	
Sampling Method:	9ERITIONITE	Field comments:		
Filter Type:	None			

Well Number: M Project Number: D/-410			Project Name	e: BEC		Weather	. C	1 11	
CONTRA TO CARDO	ELEGIATE	Well Screen	PR 400	to 15.5		Weather: Sunny 605  Tidally Influenced? 3			
Logged By: KV	2000	Water Depth	11 -1	(1103)	_		-11	SET AT I Dues	ECT SPEED - HED DROPPE
Purge Water Disposal Method:	Paun	Water Depth	-	7	starb	FIELD COMMENTS: PUMP SET AT LOWEST SPEED - HED PROFITE SET TUBE : 13:08 Low (T)			
	756AZ	Bails Dry?	Yes No What Volum		,,,,		0	OK	w (1, c)
						Explain:			
Well Developmen	t / Purging (circ	cle one)	•	Casing Volum Purge Volum	me in Gallons: 1 les: 1" Diam 0.0	1" Diam = 041 * 3 cas	0.041 gal/ft, 2" Diam = 0 ings * 10' screen = 1.23	.163 gal/ft, 4" Diam = 0.65 gallons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4.89 gallons
Time	1115	115	1170	1105	1111=		11	11.5	
Water Level (ft)	11.55	1120	1127	1135	1147	-	1150	1157	
pH		11.93	12.30	12.54	12-7		12.92	12.98	
	6.53	6.53	6.48	6.51	6.5	0	6.49	6.47	
Conductivity (mS/cm)	0.476	0.462	04165	0.461	0.4	62	0.463	0.462	
Temperature (F	19.7	19.8	19.7	19.3	19.	2	19.3	19.3	
ORP (mV)	37.3	8.0	5.9	12.8	12.	9	13.0	15.0	
Turbidity (NTUs)		_		erroren (Ph	_	-		2000	
Dissolved Oxygen (mg/L)%)	6,74	0.24	0.66	0.22	0,7	22	0.50	0.69	
Color	CLEAR-					>			
Purge Volume	0.25	0.50	0.75	1.0	1.25	-	1.50	1.75	
Well Sampling Inf	ormation (comp	olete if well i	s sampled)	Sec. of			Cru	MARMEDOF	
Decon Method:				Sample	Number:		nw-23-10	05 6017	
Water Level Start:				Water L	evel Finish:				·
Sampling Method:	PENESTAUTE:			Field co	mments:				
Filter Type:	NUW5								

Project Number: 6/-04	10-K	Date: / U	15/17		Weather: 60-70° Sunny				
Development / Purge Method: PERSTACTIC Well Screen Interval: 7 to			10						
Logged By: KAMS		Water Depth St	art: 11.16 (12	(46)					
Purge Water Disposal Method:	Dam	Water Depth Fi	-		SEREEN FLOW				
Purge Water Disposal Volume:	0.75	Bails Dry? Ye	No What Volume?						
	W				Explain:				
Well Developmen	t / Purging (ci	rcle one)		Casing Volume in Gallons: Purge Volumes: 1" Diam 0.	1" Diam = 0.041 gal/ft, 2" Diam = 0.16 041 * 3 casings * 10' screen = 1.23 ga	3 gal/ft, 4" Diam = 0.653 gal/ft llons, 2" Diam 0.163 * 3 casings	* 10' screen = 4.89 gallons		
Time	12.58	1310	1318						
Water Level (ft)	-		_						
рН	6.53	6.51	651						
Conductivity (mS/cm)	0.534	0.530	0:529		4.				
Temperature (5)	19.7	19.5	19.6		14.				
ORP (mV)	12.5	-20.1	-23.9						
Turbidity (NTUs)	_		_						
Dissolved Oxygen (mg/L,%)	2.09	2.58	2.63						
Color	CIENT	400	Proposition						
Purge Volume	<0.75	0.56m	0.75						
Well Sampling Inf	formation (con	plete if well is	sampled)						
Decon Method:				Sample Number:	MW-ZZ-	1057017			
Water Level Start:						100 0011			
Sampling Method:	PENGSTALT	TC		Water Level Finish:	-				
_		<i>p</i> –		Field comments:					
Filter Type:	NONE								

The Tubit

				Weather	Sunny	70'3		
			to ZZ	Tidally Ir	Tidally Influenced?  Field Comments:			
			(450)	Field Co				
Purge Water Disposal Method:	Run	Water Depth	Finish: 17.2	(1544)				8
Purge Water Disposal Volume:	2.56m	Bails Dry?	Yes No What Volum	ne?	Well Cor Explain:	nditions: OK Not O		BISLOW TOC
Well Development	/ Purging (ci	rcle one)		Casing Volume in G Purge Volumes: 1" [	allons: 1" Diam = 0 Diam 0.041 * 3 casi	0.041 gal/ft, 2" Diam = 0.10 ings * 10' screen = 1.23 ga	63 gal/ft, 4" Diam = 0.65 Illons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4.89 ga
Time	1503	1508	1518	1523				
Water Level (ft)		_	and a substitute of the substi					
pH	6.35	6.37	6.40	6.40				
Conductivity (mS/cm)	0.465	6.464	0.461	0.460				
Temperature (F)	16.0	14.0	15.9	15.9				
ORP (mV)	-82.4	- 93.3	-100.9	-103.1				
Turbidity (NTUs)			_	_				
Dissolved Oxygen (mg/L,%)	0.51	0.22	0.12	0.11				
Color	CLEAR-			>				
Purge Volume	0,5		2	2.5				
Well Sampling Info Decon Method: Water Level Start: Sampling Method:	ormation (com		s sampled)	Sample Numb Water Level F Field commen	inish:	1W-Z1-	105201	

Well Number: MW-27-D	Project Name: 13 FC	
Project Number: 01 - 0410 - 12 - 717	Date: 10/4/17	Weather: Survey - 70's
Development / Purge Method: PERSTACTE	Well Screen Interval: 14.5 to 21.5	Tidally Influenced? XES
Logged By: KANIS	Water Depth Start: 15.39 (1145)	Field Comments: WATE LEVEL RISE W/TIDE
Purge Water Disposal Method: Prun	Water Depth Finish: 15, 10 (1344)	SET TUBE @= 18.5' BELOW TOL & PA
Purge Water Disposal Volume: 56AV	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

# Well Development / Purging (circle one)

Time	1726	1236	1246	1256	1306	1316	
Water Level FT	15.44	15.44	115.40	15.40	15.39	15.35	
рН	6.63	6.62	6.62	4.55	6.59	6.59	
Conductivity ms/cm	0.556	0.504	0.479	0.439	6.412	0.307	
Temperature (C)	1625	15.93	15.85	15.74	15.64	15.61	
Salinity ORF (MU	33	-27	-38	-42	-48	-12	
Turbidity (NTUS	0,0	0.0	0.0	0.0	0.0	0.0	
Color	CLEAR.					->	
Dissolved Oxygen in	0.0	010	0.0	0.0	0.0	0.0	
Purge Volume GAL	0.5	1.25	20	2.75	3.75	5.0	

Mg/L

Well Sampling I	nformation (complete if well is sampled)		FIELD PUP (MW-A)	
Decon Method:		Sample Number:	MW-27D-1042017	
Water Level Start:	15,44	- Water Level Finish:	15.35	
Sampling Method:	PERKSTANTIC	Field comments:		
Filter Type:	NOWE		The state of the s	

g=logics

Well Number: Mw-275	Project Name: BOEFNG FIA	ELD CHEV.
Project Number: 0/-0410-K TVSK#17	Date: 10/4/117	Weather: Sunny - 70°
Development / Purge Method: PERTSTARTSC	Well Screen Interval:	Tidally Influenced?
Logged By: KARAS	Water Depth Start: 9.68 (10.20)	Field Comments: SET THISE @ \$ 111' BELOW TOP on PUC
Purge Water Disposal Method: Payan	Water Depth Finish: 9.72 (1/35)	BELOW TOP of PUC
Purge Water Disposal Volume: 33.5641	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

# Well Development / Purging (circle one)

Time	1043	10.48	1053	1658	1108	1113	1148	1/23
Water Level (FT)	9.94	9,97	9.97	9.98	10,00	10,02	10.03	10,63
H	7.16	672	6.61	10.55	6.52	6.50	6,50	4.50
Conductivity Myem	1.10	1.07	1.07	1.07	1.06	1.06	1.07	1.07
Temperature (C)	16.52	17.11	17.36	17.52	18.33	18.43	18.47	18,50
VORP (mv)	155	156	154	153	149	1477	145	14/3
Turbidity (NTUS)	14,4	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Color	CLEAR -							>
Dissolved Oxygen in		0,43	0.08	0.00	0.00	0.00	0.0	0.00
Purge Volume GAL	0.50	0.75	1.00	1.25	2,00	2.50	2.75	3,00

Math

	nformation (complete if well is sampled)		MW-275-104214	
Decon Method:		Sample Number:	MW 675-109219	
Water Level Start:	7,94	- Water Level Finish:	10.03	
Sampling Method:	PEUSNAUTEL	Field comments:		
Filter Type:	No	_		



g=logics

Project Number: 0/-4/	0-K T-17	Date: 10/	4/17		W	eather:				
Development / Purge Method:	PENTSTATEC	Well Screen In	nterval:8	to_16	Tic	Tidally Influenced? No?				
							/ 4			
Purge Water Disposal Method:	rium	Water Depth F	inish: 1ZBU (1	734		SET TUBE C	SET TUBE @ 2 13' BELOW TOC			
Purge Water Disposal Volume:		Bails Dry? Yes No What Volume? Well Conditions: OK Not OK  Explain:						* .		
Well Developm	ent / Purging (ci	rcle one)		Casing Volum Purge Volume	e in Gallons: 1" Di s: 1" Diam 0.041 *	am = 0.041 gal/ft, 2" Diam = 0 3 casings * 10' screen = 1.23	163 gal/ft, 4" Diam = 0.6 gallons, 2" Diam 0.163 * 3	53 gal/ft 3 casings * 10' screen = 4.89 gallons		
Time	1645	1650	1658	1700	1705	1710	1715	1720		
Water Level FT.	11.30	11.73	17.13	12.41	13.61	12.32	13.03	13-18		
рН	6.57	6.5%	6.56	6.57	6.59	6.59	4.60	6.60		
Conductivity ms/	m 1.09	1.07	1.04	1.03	1.01	1.00	0.98	0.98		
Temperature C	16.6	16.7	16.6	16.6	16.6	16.5	14.5	16.5		
Salinity ORPCA	10) -133.9	-137.1	-137.1	-134.0	-127.1	-122.4	-117.5	-118.9		
Turbidity		_		_	_		-			
Color	CLEAR	CLEAN	CUERN	CLEAN	CUEA	~	_			
Dissolved Oxygen i	n 0.27	0.20	0.19	0.20	0.37	0.86	0.72	0.70		
Purge Volume	0.5941	1600	1.5	2.0	2.5	3.0	3.5	4.0		
Well Sampling Decon Method: Water Level Start:	Information (con	nplete if well is	s sampled)	Sample Water Le	evel Finish:	POWEREDI	Poun + BACK	W		

Filter Type:

Well Number: IP-3	Project Name: BFC	
Project Number: D1-6410-K T-17	Date: 40/4/17	Weather: Suwwy + 705
Development / Purge Method:	Well Screen Interval: 18' to 24'	Tidally Influenced?
Logged By: KANTS	Water Depth Start: 15.32 (1506)	Field Comments: SET TUBER 219.51 BELOW TOP OF CASSING
Purge Water Disposal Method:	Water Depth Finish: 14-32 (1601)	WHITER RESEND W/TEPE
Purge Water Disposal Volume: 24 GAZ	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

# Well Development / Purging (circle one)

Time	1515	1522	1527	1532	1537	1542	1547	
Water Level F	1526	15.22	15.16	15.09	15.06	15.01	1496	
рΗ	6.20	4.32	6.34	6.33	Le.34	6.34	6.35	
Conductivity msky	0.429	0.393	0.349	0.348	0.332	0.318	0.307	
Temperature (C)	14.8	14.7	14.7	14.7	14.7	14.6	14.6	
Salinity DRP (mv)	-83.8	-90.9	-93,7	95.0	_96.4	-96.7	-98.1	
Turbidity NTU				_	_			
Color	CLEAR	CLEMA				>		
Dissolved Oxygen in	0.32	0,29	0,26	0.18	0.12	0,10	0.07	The Title of the Control of the Cont
Purge Volume	IGAL	1.5 Gm	2.060	2.5	3.0	3.5	46m	

Well Sampling	Information (complete if well is sampled)		-T03	
Decon Method:		Sample Number:	IP-3-1042017	
Water Level Start:	15.26	Water Level Finish:	14.96	
Sampling Method:	PELLSTATTL	Field comments:		
Filter Type:	NowE			

	_	Date: 10	14/17		We	Weather: Sunny, Calm		
Development / Purge Method:		Well Screen In	nterval: 18	to_ 23	Tida	Tidally Influenced?		
Logged By:		Water Depth S	Start: 15.44		Fiel	Id Comments:		
Purge Water Disposal Method:		Water Depth F	Finish:			<u> </u>		
Purge Water Disposal Volume:	sal Volume: Bails Dry? Yes No What Volume?			?		ell Conditions: OK Not OK		
Well Developme	nt / Purging (ci	ircle one)		Casing Volume Purge Volumes	in Gallons: 1" Dia : 1" Diam 0.041 * 3	am = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 g		
Time	1230	1238	1246	1255	1300			
Water Level (ft)	15,44			15.37	15.32	1		
Н	6.47	6.46	6.95	6.45	6.45			
Conductivity (mS/cm)	0.232	0.234	0.234	0.233	0.231			
Temperature (F)	15.20	15.18	15.18	15.19	15.19	3		
ORP (mV)	-37	-36	-47	-50	-53			
Turbidity (NTUs)	Ø	Ø	- \$	B.	0	,		
Dissolved Oxygen (mg/L,%)	0.01/0.1	0/0	\$10	\$19	9/8			
Color	CIC	clr	cir	CIC	cir			
Purge Volume	,5	1	1.5	2.0	2,25			

Project Number: 4 0 - 16		Date: 10/4	4/17		We	Weather: Sumy, Calm		
Development / Purge Method:		Well Screen Int		to_11.5	Tid	Tidally Influenced?		
Logged By: ZW		Water Depth St	art: 9,51			Field Comments:		
Purge Water Disposal Method:		Water Depth Fi	inish:					
Purge Water Disposal Volume:		Bails Dry?	No What Volume	e?	We	Well Conditions: OK Not OK		
					Ex	Explain:		
Well Developmen	t / Purging (cir	cle one)		Casing Volume Purge Volumes	e in Gallons: 1" Di s: 1" Diam 0.041 *	Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89		
Time	1325	1332	1340	135#	1400			
Vater Level (ft)	9.51	9.98		11.2	10.01			
РН	6,35	6.36	6.34	6.39	6.40			
Conductivity (mS/cm)	0.471	0.492	0,502	0.499	0,50			
emperature (F)	17.74	17.64	17.95	17.72	17.80			
ORP (mV)	15	22	37	50	57			
urbidity (NTUs)	Ø.3	Ø	Ø	Ø	6			
Dissolved Oxygen (mg/L,%)	3.13/34.8	4.29/46.3	4.06/44,1	3.94/42.7	390/47	12.4		
color					/ 15	Ci i		
urge Volume	0.25	0.5	0.8	1.2	1,5			
				•	,,,,			
Well Sampling Inf	ormation (com	olete if well is	sampled)					
Decon Method:				Sample N	umber:	MW-285-1842017 @ 13:		
Water Level Start:				Water Lev		20 = 10 1 20 1 7 V 13		
_				vvaler Lev	rei i-illisti.			

Filter Type:

Project Number: 410 - K	4	Date: 10/	4/17		Weather: S,	Weather: Sumi		
Development / Purge Method:		Well Screen In	terval:/ 8	to_ Z3		Tidally Influenced? 16/		
Logged By: Zい		Water Depth S	tart: 15.74		Field Comments:	743		
Purge Water Disposal Method:		Water Depth F	inish: 15.93					
Purge Water Disposal Volume:		Bails Dry? Y	Bails Dry? Yes No What Volume?			Well Conditions: Not OK  Explain:		
Well Development	t / Purging (cir	cle one)		Casing Volume in Ga Purge Volumes: 1" D	lons: 1" Diam = 0.041 gal/ am 0.041 * 3 casings * 10'	ft, 2" Diam = 0.163 gal/ft, 4" screen = 1.23 gallons, 2" Dia	Diam = 0.653 gal/ft am 0.163 * 3 casings * 10' screen = 4	
Time	1100	1)10	1115	1120				
Water Level (ft)	15.95	15.90	15.93	1593				
рН	6.44	6.45	6.44	6.41				
Conductivity (mS/cm)	0.553	0.536	0.535	0.527				
Temperature (F)	15.07	15.16	15.16	15.15				
ORP (mV)	-12	-12	-11	-10				
Turbidity (NTUs)	4.6	4.6	2.8	0				
Dissolved Oxygen (mg/L,%)	0/0	0/0	0/0	0/0				
Color	cir	clr	CIT	clr				
Purge Volume	,5	1.0	1.5	2,0				
Well Sampling Info Decon Method: Water Level Start: Sampling Method: Filter Type:	ormation (com	plete if well is	sampled)	Sample Numbe Water Level Fir	ish:	261)-1042	017 @ 113	

Project Number: 41 6	ect Number: 410-K Date: 16/4/17					Weather: Su,my				
Development / Purge Metho	d:	Well Screen In	nterval: 7	to 12		Tidally Influe	1			
Logged By: ZW		Water Depth S	Water Depth Start: 7,5 7				700			
Purge Water Disposal Metho	Purge Water Disposal Method: Water Depth Finish:					Field Comments:				
Purge Water Disposal Volur	ne:	Bails Dry?	es Wo What Volum	me?		Well Conditions: OK Not OK				
Well Develop	ment / Purging (ci	rcle one)		Casing Volume	ne in Gallons: 1"	Explain: Diam = 0.041 1 * 3 casings	gal/ft, 2" Diam = 0. 10' screen = 1.23 g	163 gal/ft, 4" Diam = ( pallons, 2" Diam 0.163	0.653 gal/ft * 3 casings * 10' screen = 4.	89 gallons
Time	950	955	959	1005	10/0	0			71	
Water Level (ft)	9.57	10.65	11.4	11.45	11.30					-
nH	1 1-1	1 11	1 - 1	1117	11.3	O				

Time	950	955	959	1005	1010	
Water Level (ft)	9.57	10.65	11.4	11.45	11.30	
рН	6.18	6.16	6.28	6.31	6.15	
Conductivity (mS/cm)	0.436	0.448	0.445	0.42/	0.438	
Temperature (F)	17.06	16.39	17.87	18.75	17,67	
ORP (mV)	-74	-61	-72	-72	- 55	
Turbidity (NTUs)	171	111	ð. O	0.6	69.7	
Dissolved Oxygen (mg/L,%)	1.43/,5.1	1.17/12.6	0.83/5.8			
Color	cir	cir	YIN	CIr	CIT	
Purge Volume	,5	0.75	1.2	1.5	2.0	

Well Sampling Information (complete if well is sampled)	X 22
Decon Method:	Sample Number: MW-265 - 104 2017
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments: Sangoled (2) 1030
Filter Type:	

Project Number: 410-1	2	Date: 10	14/17			Weather:			
Development / Purge Method:		Well Screen Into	erval: 15	to 24		idally Influenced?			
Logged By: ZW		Water Depth Sta	art: 16.17	Z		Field Comments:			
Purge Water Disposal Method:	rge Water Disposal Method: Water Depth Finish:								
Purge Water Disposal Volume:	urge Water Disposal Volume: Bails Dry? Yes No What Volume?					Vell Conditions: OK Not OK			
						xplain:			
Well Developm	ent / Purging (cir	cle one)		Casing Volume Purge Volumes	in Gallons: 1" : 1" Diam 0.041	Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' sc	reen = 4.89 gall		
Time	1500	1506	1515	1521	1538				
Vater Level (ft)	16,17		16.05	15.9					
Н	7.83	7.70	6.51	6.03	5.8%				
Conductivity (mS/cm)	0.446	0,438	0.439	0.408	0.36				

9.4

-56.9

0.59

, 0

-50,1

0.37

olr

2.0

9.8

0,89

0.75

CIS

Well Sampling Information (complete if well is sampled)

10.2

-74.7

.25 gg

10,

-75.6

0,5 ca

Temperature (F)

Turbidity (NTUs)

Purge Volume

Dissolved Oxygen (mg/L,

ORP (mV)

Color

Decon Method:	Sample Number:	5-1042017 @ 1530
Water Level Start:	Water Level Finish:	
Sampling Method:	Field comments:	
Filter Type:		

Project Name:	
Date: 10/4	Weather: Sunny, Calm
Well Screen Interval: 15 to 20	Tidally Influenced?
Water Depth Start:	Field Comments:
Water Depth Finish:	
Bails Dry? Yes No What Volume?	Well Conditions: 6K Not OK
	Explain:
	Date: 10/4  Well Screen Interval: 15 to 20  Water Depth Start:  Water Depth Finish:

Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1651	1658	1702	1707	1715	
Water Level (ft)						
рН	6.57	6.25	6.15	6.05	6.54	
Conductivity (mS/cm)	0.426	0.336	0.320	0.304	0.299	
Temperature (F)	10.7	10.3	10.3	10,2	10,2	
ORP (mV)	-45.4	-48.2	-37.4	-28.5	-26.2	
Turbidity (NTUs)						
Dissolved Oxygen (mg/L,%)	3.23	0.73	0.55	0.43	0.38	
Color	clr	CIT	de	215	CIC	
Purge Volume	0,25	0.7	1.6	1,25	1,5	

Sample Number:	MW-20-1842017 @ 1730
	10.2017
DO 1,254	
STEP .75+	g-logi
.54	7 . 7

1, ne

Project Number: 410-K		Date: (0/5	5		Weathe	r: Sunny, Ca.	lm			
Development / Purge Method:		Well Screen Int	erval: 15	to ZO	Tidally	Influenced?	1			
Logged By:		Water Depth St	art: 13,5%		Field Co	Field Comments:				
Purge Water Disposal Method:		Water Depth Fi	nish:							
Purge Water Disposal Volume:		Bails Dry?	No What Volum		) Well Co	Well Conditions: (OK) Not OK				
			15 Vol:	3/4 in we	Explain					
Well Developmen	t / Purging (ci	rcle one) 6.	4 ft x .0625 6.8 1(.75/2) = 34 cu	Casing Volumes Purge Volumes  (A)  (A)  (A)  (A)  (B)  (B)  (Casing Volumes	in Gallons: 1" Diam = : 1" Diam 0.041 * 3 cas Dry	0.041 gal/ft, 2" Diam = 0.10 sings * 10' screen = 1.23 ga	63 gal/ft, 4" Diam = 0.65 allons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4.8		
Time	1304	1312		1319	1320	1330	1335			
Water Level (ft)			PUMP							
pН	6.95	6,60	OFF	6.62	Punp of	6.58				
Conductivity (mS/cm)	6,413	0,419	5 min.	0.398	10 min	0.406				
Temperature (F)	10,5	10.7		10.3	10 7	11.0				
ORP (mV)	-27	-55.1		-22.4		-18,9				
Turbidity (NTUs)						1011				
Dissolved Oxygen (mg/L,%)	3.62	8,69		5.10		5,47				
Color						01,7				
Purge Volume	0.2	0.5		0.60		2.75				
Well Sampling Inf Decon Method:	O, Z	0,5	sampled)	O, <b>6</b> 0		0.75 NV-19-10	52017 (	a 13.		
Water Level Start:  Sampling Method:  Filter Type:				Water Lev	77.77					

Project Number: 410-K		Date: 10/5	117		Weather:	Sunny/War				
Development / Purge Method:		Well Screen In	1 .	to 16	Tidally Infl	//\	n			
Logged By:		Water Depth S	art: 9,50	)	Field Com	Field Comments:				
Purge Water Disposal Method:		Water Depth Fi	nish:							
Purge Water Disposal Volume:		Bails Dry? Y	es No What Volume	>	Well Cond	Well Conditions: OK Not OK				
		6' water C	olumn 3/4".	= 8.139	Explain:					
Well Developmen	t / Purging (ci	rcle one) 3 co	umped	Casing Volumes Purge Volumes	in Gallons: 1" Diam = 0.0 s: 1" Diam 0.041 * 3 casing	41 gal/ft, 2" Diam = 0.163 s * 10' screen = 1.23 gall	gal/ft, 4" Diam = 0.653 ga ons, 2" Diam 0.163 * 3 cas	al/ft iings * 10' screen = 4.		
Time	1437	14450	A NAK ABUPA	1455	@ 1457	1508	1516			
Water Level (ft)							7 7 0			
оН	7.10	6.62		6.52		6,49				
Conductivity (mS/cm)	0.268	0.263	Pump off		Pump off		Pump			
Temperature (F)	12.6	12.4	10 min	12.4	10 min	12,5	aft.			
ORP (mV)	67.1	48.9		42.2		43.1	~ 1			
Furbidity (NTUs)				1						
Dissolved Oxygen (mg/L,%)	1.61	4.20		1,75		2.39				
Color	cir	clr								
Purge Volume	,25	0.40		0,75		ADD, 85				

1445 DUP-1450

Project Number: 0 (-04	10-M	Date: ///2	roject Name		Weath	er:			
Development / Purge Method:		Well Screen Int	erval: 16	to 24	Tidally	Influenced?			
Logged By:		Water Depth St	10		Field C	Field Comments:			
Purge Water Disposal Method:		Water Depth Fi	nish: 12 001'						
Purge Water Disposal Volume:		Bails Dry? Ye	es No What Volume?	2/		Well Conditions: OK Not OK  Explain:			
Well Developmen	t / Purging (circ	cle one)		Casing Volume Purge Volumes	in Gallons: 1" Diam = : 1" Diam 0.041 * 3 ca	= 0.041 gal/ft, 2" Diam = 0.163 sings * 10' screen = 1.23 gall	gal/ft, 4" Diam = 0.65: ons, 2" Diam 0.163 " 3	3 gal/ft casings * 10' screen = 4.89 ga	
Time	2:15	2:20	2:25	2:30	2:35	2:40			
Water Level (ft)	12.01'	12,041	12.04	12-04	1204	1204			
Н	6,60	6,48	6,44	644	6.93	6.42			
Conductivity (mS/cm)	429.2	468.7	68.7 447.9 420.3 39			373.6			
Temperature (F)	an 1214.2	14.2	141	14-1	14.2	14.2			
ORP (mV)	-36.5	-6011	-78.8	-81.8	-83 8	-85.0			
Furbidity (NTUs)									
Dissolved Oxygen (mg/L,%)	2,80,24,4	1.17,10,9	0.38, 4,0	0.28,24	0.23.1.9	0.221.9	1		
Color									
Purge Volume									
Well Sampling Inf Decon Method: Water Level Start: Sampling Method:	ormation (comp	blete if well is	sampled)	Sample No Water Lev Field come	el Finish:				

1355

Project Number: Ol - D91	0-11	Date:	12/18		Weather	Cloudes	-			
Development / Purge Method:		Well Screen in	nterval: 8	to 16	Tidally in	Tidally influenced? Yes				
Logged By:		Water Depth S	Start: 9.23		Field Cor	Field Comments:				
Purge Water Disposal Method:		Water Depth F	inish: 9,49							
Purge Water Disposal Volume:		Bails Dry?	es No What Volum	e?	Well Con Explain:	Well Conditions: OK Not OK  Explain:				
Well Developmen	t / Purging (ci	rcle one)		Casing Volume Purge Volumes	e in Gallons; 1" Diam = 0 s: 1" Diam 0.041 * 3 casir	.041 gal/ft, 2" Diam = 0.16 igs * 10' screen = 1.23 ga	3 gal/ft, 4" Diam = 0.653 g llons, 2" Diam 0.163 ° 3 ca	al/ft sings * 10' screen = 4.89 gall		
Time	1300	1305	1330	13.35	1340	1345	1350			
Water Level (ft)	923	9.44	9.48	9.49	9.49'	9.49	949			
рН	6.64	6.67	6.67	6.68	6.68	6.68	6.68			
Conductivity (mS/cm)	1183	1188	1181	1178	1181	1180	1177			
Temperature (F)	14.0	13.7	13.8	13.8	13.9	13.9	13.8			
ORP (mV)	-120.4	-162.2	-165,2	-166.5	-167.2	-1673	-165.0			
Turbidity (NTUs)										
Dissolved Oxygen (mg/L,%)	3,41,29.8	0.52,48	0.35,33	0.26,20	10,25,23	0,21,19	0,30,30			
Color										
Purge Volume										
Well Sampling Into Decon Method: Water Level Start: Sampling Method: Filter Type:	formation (con	nplete if well is	sampled)	Sample N Water Lev Field com	vel Finish:					

Project Number: 410 - 1/		Date:	218		W	Weather: Co.   classing			
Development / Purge Method:	Well Screen Int	erval:/ 🐇	to_ 24	Ti					
Logged By:		Water Depth St	art: 35,477		F	Field Comments:			
Purge Water Disposal Method:	Water Depth Fi	nish:							
Purge Water Disposal Volume:		Bails Dry? Ye	es No What Volume	27		Well Conditions: OK Not OK  Explain:			
Well Developmen	nt / Purging (cir	rcle one)	ŢĢĮ.	Casing Volume Purge Volumes:	in Gallons: 1" D 1" Diam 0.041	Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.853 gal/ft * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89			
Time	1030	1035	1595	1045	10.50				
Water Level (ft)	15.42	13.51		13.49					
H	6.46	6,46	6.46	6.46	646				
Conductivity (mS/cm)	0.47/	0.448	2.433	0.406	7.39				
emperature (F)	13.81	13.05	1378	14.04	14.61	6			
ORP (mV)	-17.9	+27.4	44.6	-439	*48.	.7			
urbidity (NTUs)	0.303	0.290	0.290	0.213	0,25				
Dissolved Oxygen (mg/L,%)	12.3 /1-27	18/090	25 673	43/0.85	913/p	.65			
Color	CIT	de	- de-	240	CIT				
Purge Volume	-14		1		.2				

Project Number: 01-0411	Date: [//6	(18		We	ather: SUNNU					
Development / Purge Method:		Well Screen Int	erval:	to		Tidally Influenced?				
Logged By:	ged By: Water Depth Start: 7.79					Field Comments:				
Purge Water Disposal Method:	Water Depth Fi	nīsh:								
Purge Water Disposal Volume:	Bails Dry? Ye	es No What Volum	well Conditions: OK Not OK  Explain:							
Well Development	t / Purging (ci	rcle one)		Casing Volumes	in Gallons: 1" Dia : 1" Diam 0.041 * 3	im = 0.041 gal/ft, 2" Diam = 0.1 8 casings * 10' screen = 1.23 g	allons, 2" Diam 0.163 * 3 cas	sings * 10' screen = 4		
	11.00	1 15	0.00	1 2 22	- A1	FLOW MEDEL OFF				
Time	11:50	11:55	13:00	12:05	12:10	12.15	1220			
Water Level (ft)	7.79						7.74			
Н	6.65	6.41	6.41	6.40	6 40	6.40	616 40			
Conductivity (mS/cm)	439.6	4795	480.0	479.6	4186	2 476.8	472.6			
Temperature (F)	14.6	14.0	14.0	14.0	14.1	14-0	14.0			
ORP (mV)	26.5	41.4	47.1	48.3	46.1	48.4	73.4			
Turbidity (NTUs)										
Dissolved Oxygen (mg/L,%)	6,00,53	8 1.33,12.7	0.90,41	0.78,72	0.76,	1-00,12,67	0.12,6.8			
Color						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Purge Volume							~ 3921			
							0			
Well Sampling Info	ormation (con	plete if well is:	sampled)							
Decon Method:				Sample N	umber					
Water Level Start:				Water Lev						
Sampling Method:				Field com	_					
				r icid comi	110/110/					

1125

Project Number: 01-0410	Date:	6/18		Weather	Weather: Sungu				
Development / Purge Method:		Well Screen	interval:	to_21	Tidally I	Tidally Influenced?			
Logged By:	Water Depth	Start: 11.80		Field Co	Field Comments:				
Purge Water Disposal Method:	Water Depth	Finish: 11,98							
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volume	e?	Well Co	nditions: OK Not C	DK .		
Well Developmen	t / Purging (ci	rcle one)					63 gal/ft, 4" Diam = 0.653 g allons, 2" Diam 0.163 * 3 ca	gal/ft sings * 10' screen = 4,89 g	
Time	10:50	10.55	100 11:00	11:05	11:10	11.15	11.20		
Water Level (ft)	11.80						11.98		
Н	7.12	6.40	6,43	6 44	645	6.45	6.45		
Conductivity (mS/cm)	315.4	444,1	453.7	WK 456.6	453.9	454.7	4553		
emperature (F)	15.0	15.1	15.1	14.9	14.8	14.4	14.8		
ORP (mV)	84.1	-69,5	-75.8	-71.2	-66.2	-62.0	-87.9		
urbidity (NTUs)									
Dissolved Oxygen (mg/L,%)	815,68.	10.4,8.4	0.45,4,6	0.32,34	0.34,2.9	0.28,2.8	012628		
Color									
Purge Volume									
Well Sampling Int Decon Method: Water Level Start: Sampling Method:	formation (com	plete if well is	s sampled)	Sample N Water Let Field com	el Flnish:				

Project Number: 01 - D4	110-14	Date: 112	118		We	Weather: Claudel			
Development / Purge Method:	Well Screen Int	erval: 7	to_ 14	Tida	Tidally Influenced?				
Logged By: Water			1.00		Fiel	Field Comments:			
Purge Water Disposal Method:	Water Depth Fi	nish: 10,62							
Purge Water Disposal Volume: Bail			es No What Volum	ne?		Well Conditions: OK Not OK  Explain:			
Well Developmen	t / Purging (ci	rcle one)				m = 0.041 gal/ft, 2" Diam = 0.1 casings * 10' screen = 1.23 ga			
Time	10:20	10:25	10:30	10:35	10:40	10:45	10:50		
Water Level (ft)	9.56	1024	10.68	10,55	10.60	10,60	1062		
PH	6.86	6.80	6.82	6.82	6.82	6,82	6.81		
Conductivity (mS/cm)	264.4	215.5	210.3	207.9	20 i	20.5	211.3		
Temperature (F)	14.7	14.7	14.6	14.6	146	14 6	14.6		
ORP (mV)	240.5	5.0	-15.5	-18.9	-22.0	-25.4	-28.7		
Turbidity (NTUs)									
Dissolved Oxygen (mg/L,%)	1.27 14.7	1.33,12.5	1.31,12.3	0.97,9.3	0.95,91	0,89,8.2	30.86, 7.9		
Color		7			1				
Purge Volume									
Well Sampling Int	formation (con	nplete if well is	sampled)						
Decon Method:				Sample N	lumber:				
Water Level Start:				Water Lev	vel Finish:				
Sampling Method:				Field com	ments:				
Filter Type:									

Project Number: 01 - 04/10	2-11/	Date: 1/12	118		W	Weather: Cool Clouder Tidally Influenced? No Field Comments:			
Development / Purge Method: /	230	Well Screen Inte	erval: 5,5	to	Tic				
Logged By:		Water Depth Sta	int: 1.38	P 913	Fie				
Purge Water Disposal Method:	Water Depth Fin	ish:							
Purge Water Disposal Volume;	Bails Dry? Ye	s No What Volume	?		Well Conditions: OK Not OK  Explain: Programme Files In Conditions Supplies In Condition Suppl				
Well Developmen	t / Purging (cir	cle one)		Purge Volumes	in Gallons: 1" Di : 1" Diam 0,041 '		63 gal/ft, 4" Diam = 0.653 allons, 2" Diam 0.163 * 3 c	gal/ft :asings * 10' screen = 4,89 galle	
Time	920	925	930	935	990	945	350		
Water Level (ft)	9.38		750		9.50				
pН	6.39	6.47	6.48	6.49	6.43	649	6.49		
Conductivity (mS/cm)	0.496	0.438	0 481	0.483	2482	0,482	0,482		
Temperature (F)	1294	13.12	13.03	12.91	12.84	12.78	12.26		
ORP (mV)	2275	210,0.	2016	1939	188.1	175.1	1722		
Turbidity (NTUs)	0.32	0/3/0	0.313	8.314	0.315	0.1/3	0.313		
Dissolved Oxygen (mg/L,%)	115/117	48.1/3.68	415/97	24.9/2.68	163/10	72 11-11-02	180 V1.05		
Color	cir	or	clo	212	cir	elf	rir		
Purge Volume	1/2 59/		Lond		1500	1	Ega		
	0				- U		· C		
Well Sampling Inf Decon Method: Water Level Start:	formation (com	plete if well is s	sampled)	Sample N		MN-23 6	995		
_	No is								
Sampling Method: Per					Field comments:				

Project Number: 410 - M	Date: 1/17	<u>-</u>		Weather	Weather: coal Showers					
Development / Purge Method:	ristaltic	Well Screen Int	erval: Z o	to_ 25	Tidally Ir	Tidally Influenced? Yes				
Logged By: 2 4		Water Depth St	art:	Field Comments:						
Purge Water Disposal Method:	Water Depth Fi	Water Depth Finish:								
Purge Water Disposal Volume:	rge Water Disposal Volume: Bails Dry? Yes No What Volume					Well Conditions: OK Not OK  Explain:				
Well Development Developed 3	Purging (cir	cle one)	, 5 8-11	Casing Volume Purge Volumes:	in Gallons: 1" Diam = 0 1" Diam 0.041 * 3 casi	.041 gal/ft, 2" Diam = 0. ngs * 10' screen = 1.23 g	163 gal/ft, 4" Diam = 0.65 allons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4.89 gai		
Time	1200	1206	1210	1215	1220	1225				
Water Level (ft)		12.20		12.20		12,08				
рН	6.61	6.62	6.61	6.60	6.60					
Conductivity (mS/cm)	0.402	0.425	0.414	0.489	0.410					
Temperature (F)	14.76	14.77	14.77	14.78	14.77					
ORP (mV)	-24,1	-77.7	-80.2	50.6	-81.0					
TUIDINY (NTES) TOS 8/L	0.325	0.342	0.334	0.330	0.330					
Dissolved Oxygen (mg/L,%)	7.8/0.78	6.1/0.62	5.9/0.60	7.1/0.70	7.0/0,70					
Color	CIC	cir								
Purge Volume		1.0		11/2						
	ormation (com		sampled)	Sample Nu Water Leve	el Finish:	14-24D BKX671	C_ 123	0		

		Date:	118			Weather:		
Development / Purge Method:		Well Screen Int	erval: 3-65	10 13.65		fidally Influenced?		
Logged By:		Water Depth St	art: 8.89			Field Comments:		
Purge Water Disposal Method:		Water Depth Fi	nish: 1,99			7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
Purge Water Disposal Volume:		Bails Dry? Ye	es No What Volum	ne?		Vell Conditions: OK Not	ок	
Well Developmen	nt / Purging (cir	cle one)		Casing Volu Purge Volun	me in Gallons: 1" I	explain: Diam = 0.041 gal/ft, 2" Diam = 0. * 3 casings * 10' screen = 1.23 g	163 gal/ft, 4" Diam = 0.65 gallons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4
Γime .	11.50	11:55	12:00	12:05	12:10	12:15	12:20	
Vater Level (ft)	8.89	10,50	11.12	11,80	11.8	9 1197	1199	
Н	6,48	6.35	6.40	6.39	6,45	6.50	6.50	
Conductivity (mS/cm) SQC	654.3	6849	6311	668	668	9 630	684.2	
emperature (F)	11.0	12.6	10.5	12.2	11:4	11.6	11.6	
DRP (mV)	241.2	-12.5	-10.7	8.4	至山	131	2.8	
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	5,38,41.2	1.45,120	112,64,2	3.3 2,35	21.014	1938.914.96	,469 4.980	17.1
Color	2625					1 1111	710-11-1-0	
urge Volume								



Development / Purge Method:   Well Screen interval:   9 to   14   Tidally Influenced? / ES	Project Number: 01-00	110-M	Date: \	2/18		Wea	other: Cloudy		
Purge Water Disposal Method:         Water Depth Finish: 4.57           Purge Water Disposal Volume:         Bails Dry? Yes No What Volume?         Well Conditions: OK Not OK Explain:           Well Development / Purging (circle one)           Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.063 gal/ft           Flow METER Turks           Purge Volumes: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.063 gal/ft           Flow METER Turks           Flow METER Turks           Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.063 gal/ft           Flow METER Turks           Flow METER Turks           Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.041 gal/ft, 4	Development / Purge Method:		-	0	to_14	Tida	Die		
Purge Water Disposal Volume:         Balls Dry? Yes No What Volume?         Well Conditions: OK Not OK Explain:           Well Development / Purging (circle one)           Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft Purge Volumes: 1" Diam 0.041 "3 casings" 10" screen = 1.23 gallons, 2" Diam 0.163 '3 casings '10" low Meter Level (IVING	Logged By:		Water Depth	Start: 8.32		Fiel	d Comments:		
Explain:	Purge Water Disposal Method:		Water Depth	Finish: 4.57					
Purge Volumes: 1" Diam 0.041 3 casings 10' screen = 1.23 gallons, 2" Diam 0.163 3 casings 10' Flow MEHER Turing  Time  Q:   0	Purge Water Disposal Volume:		Bails Dry?	Yes No What Volum	e?			ок	
Time 9:10 9:15 9:20 9.25 9:30 9.35 9:40 of Water Level (ft) 8.32 9.80 9.63 9.58 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.51 9.51 9.52 9.52 9.52 9.52 9.52 9.52 9.52 9.52	Well Developmen	t / Purging (ci	rcle one)		Casing Volume Purge Volumes:	in Gallons: 1" Diar 1" Diam 0.041 * 3	n = 0.041 gal/ft, 2" Diam = 0. casings * 10" screen = 1.23 g	jallons, 2" Diam 0.163 * 3 ca	sings * 10' screen = 4.
Water Level (ft) 8.32 9.80 9.63 9.58 9.51 9.51 9.52 pH 7.10 6.40 6.38 6.38 6.38 6.38 6.36 Conductivity (mS/cm) 329.3 331.4 331.7 331.1 331.1 331.5 Temperature (F) 13.6 14.2 14.1 14.1 14.1 14.1 14.2 ORP (mV) 146.1 22.4 50.4 73.0 85.6 98.0 163.5	Time	9:10	9:15	9:20	9.25	9:30	9.35		off
7-10 6 40 6 38 6 38 6 38 6 36 6 36 Conductivity (mS/cm) 329.3 331.4 331.7 331.1 331.1 331.5 Temperature (F) 13.6 14.2 14.1 14.1 14.1 14.1 14.2 ORP (mV) 146.1 22.4 50.4 73.0 85.6 98.0 163.5	Water Level (ft)	8.32	9.80	9.63	9 58		9.51		
Conductivity (mS/cm) 329.3 331.4 331.7 331.1 331.5 Temperature (F) 13.6 14.2 14.1 14.1 14.1 14.1 14.2 ORP (mV) 146.1 22.4 50.4 73.0 85.6 98.0 183.5	рН	7.10	640		6.38	6.38	6.38	- A A	
ORP (mV) 146.1 22.4 50.4 73.0 85.6 98.0 123.5	Conductivity (mS/cm)	329.3	331.4	33 1.4	331.7	331.1	331.1		
ORP (mV) 146.7 22.4 50.4 73.0 85.6 98.0 123.5	Temperature (F)	13.6	14.2	14.1	14.1	14.1	14.1	14.2	
TO DESCRIPTION	ORP (mV)	146.1	22.4	50.4	73.0	85.6	98.0		
	Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%) 5.04, 46.0 3 72, 350 3.53, 33 2 353, 33.0 3.42, 32.1 3.44, 32, 23.51, 33.1	Dissolved Oxygen (mg/L,%)	5.04,46.0	3 72,350	3.53,33	2 353, 33.0	3.42	32.1 3.44,32	23.51,33.1	
Color	Color								
Purge Volume	Purge Volume								
	Decon Method:				Sample Nu	imber:			
Decon Method: Sample Number:	Water Level Start:				Water Leve	el Finish:			
WASTER TORKS TO	Sampling Method:				Field comm	nents:			
Water Level Start: Water Level Finish:	Filter Type:								

Project Number:		Date: t/ll	18		Weath	er;		
Development / Purge Method:		Well Screen Int	erval: 8	to 23	Tidally	Influenced?		
Logged By:		Water Depth St	an: [1.46		Field C	Comments:		
Purge Water Disposal Method:		Water Depth Fi	nish: 1-38					
Purge Water Disposal Volume:		Bails Dry? Yo	es No What Volume	e?	Well C	onditions: OK Not O	K	
					Explain	1:		
Well Developmen	t / Purging (cir	cle one)		Casing Volumes Purge Volumes	in Gallons: 1" Diam = : 1" Diam 0.041 * 3 ca	= 0.041 gal/ft, 2" Diam = 0.18 sings * 10' screen = 1.23 ga	63 gal/ft, 4" Diam = 0.653 g illons, 2" Diam 0.163 * 3 ca	al/ft sings * 10' screen = 4.89
Time	2:00	2.05	2:10	2:15	2.20	2:25	2:30	
Water Level (ft)	11.46	11.38	1/38	11.38	11.38	11.38	11.38	
рН	6.57	6.51	6.46	642	6,41	6.41	6.40	
Conductivity (mS/cm)	370.8	342.1	322.3	2124	308.4	3071	304.8	
Temperature (F)	14.8	14.7	14.2	14.3	14.3	W.B	14.3	
ORP (mV)	-12.8	-55	10,43-	-68.1	-76.2	-79.2	-75.0	
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	1-85,17.4	050,48	10,41,4.	10.36,33	0,27,23	0.22,2.2	0.2222	
Color								
Purge Volume								
Well Sampling Inf	formation (com	plete if well is	sampled)					
Decon Method:				Sample N	umber:			
Water Level Start				Water Lev				
Sampling Method				Field com				
Filter Type:					nomo.			

Project Number:		Date:	118		Weat	ner;		
Development / Purge Method:		Well Screen Into	erval: 7	to 12	Tidall	y Influenced?		
Logged By:		Water Depth St	art: 7.27		Field	Comments:		
Purge Water Disposal Method:		Water Depth Fir	nish: 7, 39					
Purge Water Disposal Volume:		Bails Dry? Ye	s No What Volum	ne?	Well o	Conditions: OK Not C	ок	
Well Developmen	t / Purging (circ	cle one)		Casing Volume Purge Volume	e in Gallons: 1" Diam s: 1" Diam 0.041 * 3 c	= 0.041 gal/ft, 2" Diam = 0.1 asings * 10' screen = 1.23 g	63 gál/ft, 4" Diam = 0.653 g allons, 2" Diam 0.163 " 3 ca	al/ft sings * 10' screen = 4.89
ime	07:1	1:15	1:20	1:25	1.30	1:35	1.40	
Vater Level (ft)	7.27	7.38	7.39	7.39	7.39	7.39	7.39	
H	6.84	6.41	6.34	6.33	6.31	6.31	6.31	
Conductivity (mS/cm)	284.5	2774	268.1	266 6	9660	266,5	2676	
emperature (F)	12.0°C	11.6	11.4	11.4	11.5	11.5	11.6	
ORP (mV)	21.4	18.2	19.2	13.5	0.5	-6.5	-9.6	
urbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	8.40,60.2	2.23,20.1	2.21,14.3	11.95 17.6	11.96,17	7/1.99/17.4	11.82,16,5	
Color	12/13/2							
Purge Volume								
Annual Property	. N. H. Maria						-	
Well Sampling In	formation (com	olete if well is	sampled)					
Decon Method:				Sample N	lumber.			~
Water Level Start				Water Le	vel Finish:			
Sampling Method:				Field com	ments:			
Filter Type:								

27-125 0000

Project Number: 0(-09	W-27-C		6/18		Weather			
THE RESERVE THE PARTY OF THE PA	110-14							
Development / Purge Method:		Well Screen Int		to		fluenced?		
Logged By: Purge Water Disposal Method:			tart: 12.04		Field Cor	nments:		
Purge Water Disposal Volume:		Water Depth Fi		.2	Well Con	ditions: OK Not O		
ruige water Dispusar volume.		Bans Dry F	es No what volume		Explain:	didons. On Moron		
Well Developmen	t / Purging (c	ircle one)		Casing Volume i Purge Volumes:	n Gallons: 1" Diam = 0 1" Diam 0.041 * 3 cash	.041 gal/ft, 2" Diam = 0.16 ngs * 10' screen = 1.23 gal	3 gal/ft, 4" Diam = 0.653 g llons, 2" Diam 0.163 * 3 cas	al/ft sings * 10' screen = 4
Time	1350	1355	1400	1405	1410	1415	1420	
Water Level (ft)	12.04	12.06	12.06	12.06	12.06	12.06	12.06	
рН	6.64	6.39	6.36	6.36	6.36	6.36	6.36	
Conductivity (mS/cm)	448.4	440.4	434.6	416.6	390,7	366.0	346.2	
Temperature (F)	14.5	14.9	14.9	15.0	14.9	14,9	14.9	
ORP (mV)	30.0	-49.9	-61.7	-67.5	-70.0	-70,7	71.0	
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	3.68,31	80.75,7.1	0.44,4.2	0.28,2.1	0.26,2.1	0.83,2.2	0.21,1,9	
Color								
Purge Volume								

Dur?

1550

Project Number: 01-04	410-M	Date:	6/18		Wea	ther: SUNNU		
Development / Purge Method:		Well Screen	7	to	Tidal	lly Influenced?		
Logged By:		Water Depth	1 Start: 8.05		Field	1 Comments:		
Purge Water Disposal Method:		Water Depth	Finish: 8 76	-(				
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volume	e?	Well	Conditions: OK Not OK		
Well Developmen	t / Purging (cire	cle one)		Casing Volume Purge Volumes	in Gallons: 1" Dian : 1" Diam 0.041 * 3	n = 0.041 gal/ft, 2" Diam = 0.163 casings * 10' screen = 1.23 gallo	gal/ft, 4" Diam = 0.65 ons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4.89 g
Time	1300	1305	1300	1315	1320	1325		
Water Level (ft)	8,05	821	8,23	8.24	8.24	8.24		
рН	6.77	6.58	6.56	6.54	6.55	6,54		
Conductivity (mS/cm)	986	991	965	939	924	898		
Temperature (F)	13.3	124	13.4	13,4	133	13,3		
ORP (mV)	350.7	199,0	148.8	127.7	121.5	116-7		
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	9.12,77.4	4,59,42.	23.87,359	3,73,34.3	3,69,30	4.2-3.25,30,6		
Color								
Purge Volume								
Well Sampling Info Decon Method: Water Level Start: Sampling Method:	formation (com	plete if well i	s sampled)	Sample N Water Lev Field com	él Finish:			

Development / Purge Method:	U-11	Date:	//8		Weather	Rain		
		Well Screen I	10	to 23		fluenced? YES		
Logged By:		Water Depth	Start: 12.29		Field Co	niments		
Purge Water Disposal Method:		Water Depth I	Finish: 12,17					
Purge Water Disposal Volume:	Bal	Bails Dry?	Yes No What Volume	27	Well Con	ditions: OK Not O	к	
	J				Explain:			
Well Development	/ Purging (ci	rcle one)		Casing Volume	e in Gallons: 1" Diam = 0 s: 1" Diam 0.041 * 3 casi	.041 gal/ft, 2" Diam = 0.10 ngs * 10' screen = 1.23 ga	63 gal/ft, 4" Diam = 0.65 allons, 2" Diam 0.163 * 3	53 gal/ft casings * 10' screen,= 4.
							Ilow MEter	Turedoff
Time	9:20	9:25	9:30	9:35	9:40	9:45	9:50	V
Water Level (ft)	12.29	12.26'	12.221	12.22'	12.20'	12.18	12.17'	E
ρΗ	6.68	6.48	6.47	6.46	6.46	6.46	6.45	
Conductivity (mS/cm)	172.7	172.4	171.2	170.9	171.6	170.7	172.7	
Temperature <b>Æ</b> ℃	14,4	14.4	14.3	14.4	14.5	14.4	14.2	
ORP (mV)	-70.0	-74.8	-77.5	-78.0	-79.9	-78.3	-76.8	
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	1.2,10.5	0.52,5.0	\$0.34,3.0	0.26,25	24,2.4	0.23,2.3	0.24, 2.3	
Color	Clear	Clear	6/881	Clear				
Purge Volume								

Project Number:		Date:	118		Weather	Roin		
Development / Purge Method:		Well Screen Int	erval: 5	to_12_	Tidally Ir	fluenced?		
Logged By:		Water Depth St			Field Co	mments:		
Purge Water Disposal Method:		Water Depth Fig	nish: 8/06					
Purge Water Disposal Volume:		Bails Dry? Ye	es No What Volume	e?	Well Cor Explain:	nditions: OK Not O	к	
Well Development	/ Purging (cir	cle one)		Casing Volume Purge Volume	in Gallons: 1" Diam = 0 :: 1" Diam 0.041 * 3 casi	0,041 gal/ft, 2" Diam = 0.16 ngs * 10' screen = 1.23 ga	33 gal/ft, 4" Diam = 0.653 ; Illons, 2" Diam 0.163 * 3 ca	gal/ft asings * 10′ screen = 4.
Time	10:30	10:35	10:40	10:45	10:50	10:55	11:00	
Water Level (ft)	7.91	3.06	3.06	8.06	8.06	8.06	8.06	
Н	6.55	6.61	6.60	6.60	6.60	6,60	6.60	
Conductivity (mS/cm)SPC	447.0	445.2	442.3	444.9	447.7	448.7	451.3	
remperature (F)	13.7	13.4	13.6	13.7	13.5	13.7	13.6	
ORP (mV)	CHORINA 66.4	472.9	78.0	80.8	82.0	83.7	83.9	
Turbidity (NTUs)					1			
Dissolved Oxygen (mg/L,%)	5.79,54.3	3+5.25,49.	414.85,45	3 4.43,41	8 4.33,4	10.8 4 .24,	39,5 4.15 3	1.90
Color	2631	~ 11	J		1	1		1
Purge Volume								
Purge Volume			sampled)					
Well Sampling Info	rmation (com	plete if well is						
Well Sampling Info	ormation (com	plete if well is	sampled	Sample N	lumber:			
Decon Method:	ormation (com	plete if well is	sampleuj	Sample N				
	ormation (com	plete if well is	sampleu/	Sample N Water Le	vel Finish:			

Well Number: MW-295	Project Name:	
Project Number:	Date: 157 116	Weather: Sumy Cool
Development / Purge Method:	Well Screen Interval: 10 to 15	Tidally Influenced?
Logged By:	Water Depth Start: 9 7 9.78 (1/6)	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes; 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1230	1240	1245	1250	1255	1300	1305
Water Level (ft)	9.78						
рН	6.71	6.79	6.81	6.83	6.86	6.85	6.86
Conductivity (mS/cm)	0.482	0,545	0.549	0.546	0.543	0.542	0,542
Temperature (F)	12.27	11.94	11.97	11.99	11.95	11.97	11.96
ORP (mV)	153.5	73.3	38.8	21,5	5.8	4.2	1,0
TURBICUS YALTES) TOS 5/L	6.412	0.422	0.475	0.473	0.472	0.472	0.472
Dissolved Oxygen (mg/L,%)	119.3/12.58	48.7/5.22	38.4/4,69	33.5/3.60	24.6/2.84	25.4/2.72	22.9/2,46
Color	SI. Turbid	clear	ur	clr	clr	CIC	CIC
Purge Volume	3 501	4gal	4.25	4.5	5,0	5.25	5.5

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MW-295 @ 1300
Water Level Start	Water Level Finish:
Sampling Method	Field comments:
Filter Type:	



Project Number: 4/0-111		Date: 1/15	1/18		w	eather: Cas / Cozace	
Development / Purge Method:		Well Screen Inte	erval; t	. 25	Tie	ally Influenced?	
Logged By: Z		Water Depth St	art: 13 4 2		Fi	eld Comments:	
Purge Water Disposal Method:		Water Depth Fir	nish:		-		
Purge Water Disposal Volume:		Bails Dry? Ye	s No What Volume?			ell Conditions: OK Not OK	
Well Development	Purging (circ	cle one)		Casing Volume Purge Volumes:	in Gallons: 1" Di	plain: am = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casing	s * 10' screen = 4,89 gall
Time	150	656	200	205	210	215	
Water Level (ft)							
pH	1.51	6,40	6.40	\$ -90 T	1	1 3 3 3	
Conductivity (mS/cm)	BCAT	7,240	0.242	13/18	2.	7 10395	
Temperature (F)	3.7	13.64	13.85	1977	12.4	P. Person	
ORP (mV)	376	- 4	7.3	70 > 1	-12		
Turbidity (NTUs)	0.200	1.20	0.200	po toc		36.28%	
Dissolved Oxygen (mg/L,%)	33/379	12/10	9.1/0.72	1-1-12	11-1	FX 75 / 115	
Color	51 - 44-12	er entire	F Aubal		Cle	- 7-7	
Purge Volume	4000			Ge s S	F. 6	60	
Turbidity (NTUs)  Dissolved Oxygen (mg/L,%)  Color  Purge Volume  Well Sampling Info  Decon Method:  Water Level Start:	ormation (comp	plete if well is	sampled)	Sample No	umber:	7x 1=1, n=	

1230 mas

Project Number: 01-04	10-M	Date:	418		Wea	ther;			
Development / Purge Method:		Well Screen	nterval:	to	Tida	Tidally Influenced?			
Logged By:		Water Depth	Start: 13,09		Field	Field Comments:			
Purge Water Disposal Method:		Water Depth	Finish: 13.10						
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volum	ne?	-	Well Conditions: OK Not OK  Explain:			
Well Developmen	nt / Purging (c	ircle one)		Casing Volume Purge Volume	e in Gallons: 1" Diar s: 1" Diam 0.041 * 3	n = 0.041 gal/ft, 2" Diam = casings * 10' screen = 1.2	0.163 gal/ft, 4" Diam = 0.653 3 gallons, 2" Diam 0.163 * 3 c	gal/ft casings * 10' screen = 4.89 g	
Time	1210	1215	12 20	12 25	1250	1235	12.40		
Water Level (ft)	13,09	13.13	13.101	13.10	13,10				
рН	6.62	6-60	6,60	6.60	6.60				
Conductivity (mS/cm)	437.4	440,0	439.3	438.3	438,6				
Temperature (F)	14.4	14.5	14.5	14.11	110				
ORP (mV)	-80.1	-124.0	-1403	-153.7	-163,4				
Turbidity (NTUs)									
Dissolved Oxygen (mg/L.%)	900814	0.63,5.5	0,39 134	0.24,29	0.24,2	3			
Color	2.66,231	MAD CLEAR							
ourge Volume	Clear								
Well Sampling In	formation (co	mplete if well is	sampled)						
Decon Method:				Sample N	lumber:				
Water Level Start:				Water Le	vel Finish:				
Sampling Method:				Field com	ments:				
Filter Type:									

Project Number: 01-04	0-m	Date: 5/2	Date: 5/29/18				Weather: Cloudy		
Development / Purge Method:		Well Screen In	1.5	to_15		Tidally Influenced?			
Logged By: Haley CE	31951	Water Depth S	Water Depth Start: 11,0				Field Comments:		
Purge Water Disposal Method:	Water Depth F	Water Depth Finish:  Bails Dry? Yes No What Volume?				Well Conditions: OK Not OK			
Purge Water Disposal Volume:	Bails Dry? Y								
						Explain:			
Well Developme	ent / Purging (d	ircle one)		Casing Volum Purge Volum	ne in Gallons: 1" es: 1" Diam 0.04	" Diam = 0.041 g 11 * 3 casings * 1	al/ft, 2" Diam = 0.163 g 0' screen = 1.23 gallor	al/ft, 4" Diam = 0. is, 2" Diam 0.163 °	.653 gal/ft * 3 casings * 10' screen = 4,89 gal
Time	1015	1020	1025	1030	103	5			
Water Level (ft)	11.01	10.96	10.95	1091	10.9	7			
рН	6.55	6 40	6,50	6-51	6.50	2			
	0.380	(2 300)		A 306	- 20				

71110	(0	1	10,00	1000	100		
Water Level (ft)	11.01	10.96	10.95	1091	10-97		
рН	6.55	6 49	6,50	6-51	6.52		
Conductivity (mS/cm)	0.380	0.380	0.385	0.396	0.406		
Temperature (F)	14.39	14.32	14.21	14.27	14.32		
ORP (mV)	42.8	639.3	353	35.6	36.6		
Turbidity (NTUs)		_	_				
Dissolved Oxygen (mg/L,%	911.86.4	249,241	0.90,88	0.36,5.9	0.38,3.7		
Color	cvr	Clr	Cir	Cir	ar		
Purge Volume	0.25	0.75	1.25	1.75	2.25		

econ Method:		Sample Number:	MW-295 1000
later Level Start:	11.01	Water Level Finish:	10.97
ampling Method:		Field comments:	

. .

Project Number: 01-04/C	U-29D	Date: 5/2	9/18		Weat	Weather: Olocaly			
Development / Purge Method:		Well Screen I	Car	10_25	Tidal	Tidally Influenced?			
Logged By: Haley CE	N-18-	Water Depth	Start: KSS	6-12 Field Comments:					
Purge Water Disposal Method:		Water Depth	Finish: (0 5						
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volum	ne?	Well	Conditions: OK Not OK			
	Explain:								
Well Developmen	nt / Purging (c	ircle one)		Casing Volume Purge Volume	e in Gallons: 1" Dian s: 1" Diam 0.041 * 3	n = 0.041 gal/ft, 2" Diam = 0.163 casings * 10' screen = 1.23 gall	gal/ft, 4" Diam = 0.6 ons, 2" Diam 0.163 * 3	53 gal/ft 3 casings * 10' screen = 4.8'	
Time	920	925	930	935	940	945			
Vater Level (ft)	16:12	16.28	16.31	16.40	16.45	16.51			
Н	6.301	6.36	6.38	6,37	637	6.36			
Conductivity (mS/cm)	0.355	00,357	0.353	0.346	0.342	0.3411			
emperature (F)	14,14	1414	14.27	14.29	74.33	14.30			
DRP (mV)	126.5	79-0	660	469	39.0	33.7			
urbidity (NTUs)	-	_	~	-	Ť				
Dissolved Oxygen (mg/L,%)	4,32,43,	24.62.49.	\$ 1,63,15,€	091,88	0.66,6.	0.57,55			
Color	Clase	Cleal	cir	Cir	CIC	cir			
Purge Volume	0.5	0.75		1.25	1.75	2.25			

Filter Type:

Project Number: 31-0411	m-c	Date: 5/2	5		Weather: Claudh - black				
Development / Purge Method:		Well Screen Int		to	Tidally Influenced? A)				
Logged By: ZW		Water Depth St	art: 8,62		Field Comments:				
Purge Water Disposal Method:		Water Depth Fi	nish:						
Purge Water Disposal Volume:		Bails Dry? Yo	es (6) What Volume	7	Well Conditions: ØK Not OK  Explain:				
Well Developmen	t / Purging (ci	rcle one)		Casing Volume	e in Gallons: 1" E es: 1" Diam 0.041	iam = 0.041 gal/ft, 2" D 3 casings * 10' screen	iam = 0.163 gal/ft, 4" E n = 1.23 gallons, 2" Diar	Diam = 0.653 gal/ft m 0.163 * 3 casings * 10* screen = 4.	
Time	1200	1205	1210	1215	1220				
Water Level (ft)	8.62								
рН	6166	6.63	6.57	6,53	6.53				
Conductivity (mS/cm)	0.385	0.385	0.378	0.374	0.37	3			
Temperature (F)	15.65	14.53	14.24	14.49	14.5	3			
ORP (mV)	141,7	128.7	127.5	118.5	114.	7			
Turbidity (NTUs)	-	_		_					
Dissolved Oxygen (mg/L,%)	8.64	8,53	7.78	6,12	6.5	2			
Color	216	215	dr	elr	clr	. II			
Purge Volume	0.25	05,1	1.1	1,2	1.3				

Project Number:		Date: 5/	25/2018			Weather: Sur, Warm, CAM		
Development / Purge Metho	Development / Purge Method: Well Screen Interval: to					Tidally Influenced?		
Logged By:		Water Depth	Start: 14.04			Field Comments:  Well Conditions: OK Not OK  Explain:		
Purge Water Disposal Meth	od:	Water Depth I	Finish:					
Purge Water Disposal Volum	me:	Bails Dry?	Yes No What Volum	ne?				
Well Develop	oment / Purging (c	ircle one)		Casing Volum Purge Volum	me in Gallons; 1" les: 1" Diam 0.04	iam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings *	10' screen = 4,89 gallons	
Time	1300	1305	1310	1315	1320			
184 1 1 1 1 1 1 1 1 1 1 1	101 31	\$						
Water Level (ft)	14,04	Pri						

Time	1300	1305	1310	1315	1320	
Water Level (ft)	14,04	\$	-			
рН	6.57	6.60	664	664	6.69	
Conductivity (mS/cm)	0,400	0,423	0,428	0,423	0,423	
Temperature (F)	15,41	15.66	15.63	15.42	15,61	7
ORP (mV)	-39,6	-56.6	-62.6	-63.9	-69.5	
Turbidity (NTUs)		_				
Dissolved Oxygen (mg/L,%)	0.84	2.21	437	1.40	1.45	
Color	sir	010				
Purge Volume	0,25	2.4	0,6	1.0	1.2	

Decon Method:	Sample Number: 11 0 15 20
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments: QA/QC Vo/
Filter Type:	/

L VOA ac + & 7

\$1 Amber HCL

Amber

Palv 1 Palv 4NO?

Well Number:	Project Name:	+ Pely 1 Pely 4NO3
Project Number: MW-23	Date: 5/25/18	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By: Z	Water Depth Start: 16.04	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1000	1005	1010	1015	1020	1025	
Water Level (ft)							
pH	6.41	6,41	6.40	6.43	6.42	6.44	
Conductivity (mS/cm)	0351	0,331	0,330	0,33	0.330	0.333	
Temperature (F)	41.77	14.85	14.91	14.98	15.06	1508	
ORP (mV)	100 4	87.9	86.7	81.7	788	72,9	
Turbidity (NTUs)	-		-				
Dissolved Oxygen (mg/L,%)	3.30	2.71	2.62	2.43	2.32	2.76	
Color	CIT	CIF	cls	clr	cir	de	
Purge Volume	1.5	2	2.5	3.6	3.5	4.0	

Well Sampling Information (complete if well is sampled)								
Decon Method:	Sample Number:							
Water Level Start:	Water Level Finish:	MW-23	(9) 1025					

Sampling Method: Field comments:

Filter Type:

Project Number: 01 - 0110 - M	Date: 5/25/16	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced?
Logged By: HC	Water Depth Start: 15.56 1120	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: \S.S. 115°	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Time	1195	1130	1135	1140	1145	150	
Water Level (ft)	15.59	1557	15.56	15.54	15.51	15.61	
рН	6.55	6.54	B.55	6-53	6.53	6.53	
Conductivity (mS/cm)	0.642	0.631	0.605	0.572	0.553	0.548	
Temperature (E)C	15.16	1536	15.40	15.84	15.30	15.14	
ORP (mV)	34.3	-69.3	-74.0	-71.5	-70.1	-69.7	
Turbidity (NTUs)		-	_	-			
Dissolved Oxygen (mg/L,%)	9.48,90	5 2.17, 21.	7 1.53, 15.3	1,16111-6	100,00.0	0,94,919	
Color	Clear	Clear	Clear	Clear	Clear	clear	
Purge Volume	0.2	0.4	0.75	1	1.25	1.5	

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MW 24D 1155
Water Level Start: 15 56	Water Level Finish: 15.5)
Sampling Method:	Field comments:
Filter Type:	

Well Number: MW-30 Project Name: Boxing Field  Project Number: 01-0410-M Date: 5/35/18							Weather: Cloudy				
Development / Purge Method: Well Screen Interval: 20 to 25						Tidally Influenced?					
Logged By:	ogged By: HC Water Depth Start: 16.891 1005					Field Comments:					
Purge Water Disposal Method	od:	Water Depth F	1 (1)	1							
Purge Water Disposal Volum	me:	Bails Dry?	Yes No What Volu	me?	Well Conditions: OK Not OK						
Well Develop	oment / Purging (ci	rcle one)		Casing Volume Purge Volume	ne in Gallons: es: 1" Diam 0.0	Explain: 1" Diam = 0 041 * 3 casi	0.041 gal/ft, 2" Diam = 0.	163 gal/ft, 4" Diam = 0.653 g allons, 2" Diam 0.163 * 3 ca	pal/ft sings * 10' screen = 4.89 gallons		
Time	1010	1015	1020	1025	10	30	1035	1040			
Water Level (ft)	16.95	1694	16.99	1694	16.6	94	11.94	16.94			
nH	1.11	11.0	1 10	1	10	7.	10.11	10	-		

Time	1010	1015	1020	1025	1030	1035	1040
Water Level (ft)	16.95	1694	16.99	1694	16.94	16,94	16-94
pH	6.48	6.43	6.52	6.54	6.54	6.55	6.55
Conductivity (mS/cm)	0.578	0.579	0,511	0,567	0:557	0,650	0.549
Temperature (A) C	14.54	14.68	14.71	14.66	19.65	14.71	14.65
ORP (mV)	106.2	33.8	-32.1	-421	-50.1	-57.7	-62.5
Turbidity (NTUs)	MAR-	-		_	-	_	-
Dissolved Oxygen (mg/L,%)	7.39, 74.	9833, 822	4.65, 45.5	4.12.40.2	8,59,35,3	3,78,31,4	2,34,22,9
Color	Clear	Clear	Clear	Clear	Cleal	clear	Clear
Purge Volume	0.25	0.75	1.25	1.75	2.25	2.75	3.25

Project Number:		Date: 5/6	25/18	J	Weath	ier: Sunny			
Development / Purge Method:		Well Screen I	1115	to_61.5		Tidally Influenced?			
Logged By:		Water Depth	Start: 13 98	185	Field	Field Comments:			
Purge Water Disposal Method:		Water Depth	Finish: 13-90						
Purge Water Disposal Volume:	Yes No What Volum	me?	Well Conditions: OK Not OK  Explain:						
Well Developmen	t / Purging (cir	cle one)		Casing Volume Purge Volume	e in Gallons: 1" Diam s: 1" Diam 0.041 * 3 c	= 0.041 gal/ft, 2" Diam = 0.163 g asings * 10' screen = 1.23 gallor	gal/ft, 4" Diam = 0.653 gal/ft ns, 2" Diam 0.163 * 3 casings * 10' screen :	= 4.89 gall	
Time	200	205	210	25	200	225			
Water Level (ft)	14.08	13,98	13.96	13,95	13.91	13.98			
pН	6.38	6.33	6.30	6.32	6.27	6.30			
Conductivity (mS/cm)	0,523	0.497	0.479	0.468	6.453	6.428			
Temperature (F)	15.67	15,25	1540	15.50	15.30	15.26			
ORP (mV)	-4.5	-314	34.0	-34.3	-31.7	-24.6			
Turbidity (NTUs)	_	-	_	_					
Dissolved Oxygen (mg/L,%)	3.36,33	6 1:24/12	40.95,9.	50.82,82	6.49,4	9 6.49,4.9			
Color	Crest	clear	Clear	eleer	clear	Clear			
Purge Volume	0.2	0.6		1.4	1.75	2			
Well Sampling Info Decon Method: Water Level Start: / Sampling Method:	ormation (com	plete if well is	sampled)	Sample N Water Le Field con	vel Finish: /	NW-27D 3.90	)		

Well Number: MW-275	Project Name: BFC	
Project Number:	Date: 5/2 5	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By: ZW	Water Depth Start: 8,27	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1425	1430	1435	1440	1445	1450	1455
Water Level (ft)	8,27	£					
pH	6,55	6.53	6.56	6.56	6.55	6.57	6.55
Conductivity (mS/cm)	0.792	0.782	0,783	0,779	0.757	0.754	0,748
Temperature (F)	16.20	16.32	16.26	16.22	16,10	16.07	16.16
ORP (mV)	69.7	71.6	76.9	78.7	83.5	84.9	88,4
Turbidity (NTUs)		_	_	-			
Dissolved Oxygen (mg/L,%)	42.53	5.92	4.38	3.82	3,13	2,70	2,60
Color	211	cir					
Purge Volume	.5	0.75	1.25	1.75	2.25	2,75	3,25

well Sampling Information (complete if well is sampled)			
Decon Method:	Sample Number:	MIN-275 @ /4	150
Water Level Start:	Water Level Finish:	QA AMBER	
Sampling Method:	Field comments:		
Filter Type:			

Project Number: 410-19	Date: 5/29/18	Weather:		
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?		
Logged By: ZW	Water Depth Start: 14,55	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		
Well Development / Purging				

Time	9:10	9:15	9:20	9:25	9:30	9:35	
Water Level (ft)	14.55						
pH	6.62	6.55	6.55	6.55	6.55	6.55	
Conductivity (mS/cm)	0.450	0.430	2,404	0.387	0.371	0.361	
Temperature (F)	14.12	14,17	14,22	14.20	14,22	14.22	
ORP (mV)	-33.7	-51.4	-67.5	-58.3	-57.6	-56.9	
Turbidity (NTUs)				-	_		
Dissolved Oxygen (mg/L,%)	13.1)	( .DO	3.53	2.79	2.27	1,94	
Color	clr	LIC	CIC	clc	cir	7.17	
Purge Volume	0.25	2.75	1.25	2.00	2.75	3.5	

Well Sampling Information (complete if well is sampled)  Decon Method:	Sample Number:	IP-3	930	
Water Level Start:	Water Level Finish:			
Sampling Method:	Field comments:	QA/QC	Vol.	
Filter Type:		A 1 5	- 11 20	
		MW-B	Field Dup	

Well Number: TP4	Project Name: BFC	
Project Number:	Date: 5/29	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start: 9,65	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

## Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1110	1115	1120	1125	1135	1135	1140
Water Level (ft)	9.65						
рН	6.72	6,83	6.78	6.83	6.85	6.87	6.87
Conductivity (mS/cm)	0.732	0.714	0,708	0.705	0703	0.704	0.704
Temperature (F)	13.93	13.68	13.71	13.67	13,70	13.73	13.74
ORP (mV)	-82.4	-108.3	-100,4	-94.2	-104.9	-106.9	-106.2
Turbidity (NTUs)	-			-			
Dissolved Oxygen (mg/L,%)	0,69	1.83	1.20	1,52	1.86	1.84	1,80
Color	clr	CIS	CIC	Or	cir	cir	cir
Purge Volume	0.5	1.0	2.0	2.5	3.25	4,25	5.00

Well Sampling Information (complete if well is sampled)					
Decon Method:	Sample Number:	IP-21	(2)	11:45	
Water Level Start:	Water Level Finish:				
Sampling Method:	Field comments:				
Filter Type:					

Well Number: Project Number:		Date: 5/6	Project Name	Weather: Cloudy					
Development / Purge Metho	d:	Well Screen I	nterval: 18	to 24 Tidally Influenced?					
Logged By: Water Depth Start: 16.2						Field Comments:			
Purge Water Disposal Meth-	Water Depth	Water Depth Finish: 17_(							
Purge Water Disposal Volum	ne:	Bails Dry?	Yes No What Volum	e?		Well Conditions: OK Not OK  Explain:			
Well Develop	oment / Purging (cir	cle one)					1 gal/ft, 2" Diam = 0.16 • * 10' screen = 1.23 ga		353 gal/ft 3 casings * 10' screen = 4.89 gallor
Time	Time 19 115 1120 1125					5	1/40		
Water Level (ft)	16.82	16-85	16.88	16.93	16.9	7	17-1		
pH	621 624 628 680 6				6.3	0	6.30		

Time	1091 113	1120	1/20	1/30	110)	1/40	
Water Level (ft)	16.82	16-85	16.88	16.93	16.97	17-1	
pH	6.21	6 24	6:28	6.30	6.30	6.30	
Conductivity (mS/cm)	0.494	0.490	0.483	0.444	0.428	0.414	
Temperature (F)	15.83	14.54	1451	14.51	14.61	14-47	
ORP (mV)	69.0	6 59.0	38.3	36.5	21.6	185	
Turbidity (NTUs)	_	_	_	-	-	~	
Dissolved Oxygen (mg/L,%)	6.50,630	2.22,21.5	0.91,8.9	0.54,53	0.47,4-7	0.45 4.4	
Color	CV	VJ	CIC	CIC	cir	VIC.	
Purge Volume	0.3	0.75	1.2	1.6	2	2.25	

Well Sampling Information (complete if well is sampled)	06
Decon Method:	Sample Number: R (P-3)
Water Level Start: 16.82	Water Level Finish: 17- ( *
Sampling Method:	Field comments:
Filter Type:	

Project Number: 01-0410-1V	Date: 6 /	7/18		Weathe	er:				
Development / Purge Method:	Well Screen Interv	val:t	to	Tidally	Tidally influenced?				
Logged By:	Water Depth Start	t:		Field C	Field Comments:				
Purge Water Disposal Method:	Water Depth Finis	sh:		Well Conditions: OK Not OK  Explain:					
Purge Water Disposal Volume:	Balls Dry? Yes	No What Volume?							
Well Development / Purging (	circle one)		Casing Volume in ( Purge Volumes: 1"	Gallons: 1" Diam : Diam 0.041 * 3 ca	: 0.041 gal/ft, 2" Diam = 0.1 sings * 10' screen = 1.23 g	63 gal/ft, 4" Diam = 0.65 allons, 2" Diam 0.163 * 3	3 gal/ft casings * 10' screen = 4.89 g		
Time									
Water Level (ft)									
рН									
Conductivity (mS/cm)									
Temperature (F)									
ORP (mV)									
Turbidity (NTUs)									
Dissolved Oxygen (mg/L,%)									
Color									
Purge Volume									
Color									

Product: 14.76 - 15.2 ~ 6"

Project Number:		Date: 8/2	3/18		Wea	ther:			
Development / Purge Method:		Well Screen Inte	11	_ to_/6	Tida	lly Influenced?			
Logged By:		Water Depth Sta	art:		Field	d Comments:			
Purge Water Disposal Method:		Water Depth Fir	nish:			Well Conditions: OK Not OK  Explain:			
Purge Water Disposal Volume:		Bails Dry? Ye	No What Volu	me?	Well				
					Ехр				
Well Development	/ Purging (ci	rcle one)		Casing Volume in C Purge Volumes: 1"	allons: 1" Diar Diam 0.041 * 3	n = 0.041 gal/ft, 2" Diam = 0.1 casings * 10' screen = 1.23 g	63 gal/ft, 4" Diam = 0.653 ga allons, 2" Diam 0.163 * 3 cas	il/ft ings * 10' screen = 4.89 gall	
Proped D	ry 2/L								
Time	1285	1250	1255	1300					
Water Level (ft)									
pH	6.30	6.17							
Conductivity (mS/cm)	0.696	0.663	1	6					
Temperature (F)	19.16	19,5)	RI	05					
ORP (mV)	50	6)	/	V					
Turbidity (NTUs)	1.7	1,7							
Dissolved Oxygen (mg/L,%)	Ø	9							
eolor TDS	0.456	0.425							
Purge Volume	14	21	1						

Project Number:		Date:	123/18		W	eather: SUNNY		
Development / Purge Method:		Well Screen In	nterval:	_ to	Tio	ally Influenced?		
Logged By:		Water Depth S	Start: 1915	2	Fie	eld Comments:		
Purge Water Disposal Method:		Water Depth F	inish:					
Purge Water Disposal Volume:		Bails Dry?	Bails Dry? Yes No What Volume? Well Conditions: OK Not OK Explain:					
Well Developmen	t / Purging (c	ircle one)		Casing Volum Purge Volum	ne in Gallons: 1" Di es: 1" Diam 0.041 *	am = 0.041 gal/ft, 2" Diam 3 casings " 10' screen = 1	n = 0.163 gal/ft, 4" Diam = 1.23 gallons, 2" Diam 0.16	0.653 gal/ft 3 * 3 casings * 10' screen = 4.89
Time	1310	1315	1300	1325	1330			
Water Level (ft)	15.52	N. C.						
рН	6.12	Montes						
Conductivity (mS/cm)	0445	Fin						
Temperature (F)	19.06	5.1						
ORP (mV)	5							
Turbidity (NTUs)	56							
Dissolved Oxygen (mg/L,%)	6.3							
Color	les							
Purge Volume	0.81							

Project Number:		Date: 8/	23/18	,		Weather:	Partly Ch	melin			
Development / Purge Method:		Well Screen Interval: 15 to 20 Tidally Influe					1	J			
Logged By:		Water Depth	Start: 15.76			Field Comm	ents:				
Purge Water Disposal Method:		Water Depth	Finish:								
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volume	e?		Well Conditi	ons: OK Not	ОК			
						Explain:		-			
Well Developmen	t/Purging (ci			Purge Volum	me in Gallons: 1" nes: 1" Diam 0.04	* Diam = 0.04 I1 * 3 casings	1 gal/ft, 2" Diam = 0. * 10' screen = 1.23 g	163 gal/ft, 4" Diam = 0. allons, 2" Diam 0.163	653 gal/ft ' 3 casings * 10' screen = 4.89 gal		
Time	1230	1235	1240	1245	125	0					
Water Level (ft)	15.76		-	-	-						
pH	5.86	6.30	6.40	6.36	616	1					
Conductivity (mS/cm)	0.631	3,523	0.622	6.494	0.46	0					
Temperature (F)	16.92	lb.lb	16.09	16.02	16.15.						
ORP (mV)	-53	- 85	-91	-88	-80						
Turbidity (NTUs)	124	22.0	77	88	5.9						
Dissolved Oxygen (mg/L,%)	0.60	0.08	000	0.00	0.00	2					
Color	CHEEK	Clear	clear	Cles(	cua						
Purge Volume	0	0.3	0.6	0.0	1.2						
Well Sampling Info	formation (con	nplete if well is	sampled)	Water L	Number: evel Finish:	15	.39				

Well Number:  Project Number:			Project Nam	71		Weather	Sona			
Development / Purge Metho	opment / Purge Method: Well Screen Interval:to					Tidally Ir	ifluenced?			
Logged By: Water Depth Start: 14.56					Field Comments:					
Purge Water Disposal Metho	od:	Water Depth	Water Depth Finish:							
Purge Water Disposal Volum	me:	Bails Dry?	Bails Dry? Yes No What Volume? Well Conditions: OK Not OK  Explain:							
Well Develop	oment / Purging (ci	rcle one)		Casing Volum Purge Volum	ne in Gallons: 1 es: 1" Diam 0.04	1" Diam = 1 41 * 3 casi	0.041 gal/ft, 2" Diam = 0 ings * 10' screen = 1.23	163 gal/ft, 4" Diam = ( gallons, 2" Diam 0.163	0.653 gal/ft 3 * 3 casings * 10' screen = 4.89 (	
Time	e 1385 1400 1405 1410 14					3	1420			
Water Level (ft)	14.56	-	-		_		-			
	5: 0:1									

Time	1385	1400	1405	1410	1446	1420	
Water Level (ft)	14.56	-	-	-	1		
pH	5.80	6.31	6.39	6.42	644	1,44	
Conductivity (mS/cm)	0.470	0.486	0,484	0,483	0.489	6,483	
Temperature (F)	17.95	16 83	15.62	15.54	15.60	15.58	
ORP (mV)	-46	-95	-104	-108	-110	-112	
Turbidity (NTUs)	47	17	1,9	1=6	1,4	2.2	
Dissolved Oxygen (mg/L,%)	0.16	0:00	0.00	0.00	0:00	0 00	
Color	Care	real	(rela!	CLEEN	clear	near	
Purge Volume	0-	0 25	0.5	0.75	1	1.75	

Well Sampling I	nformation (complete if well is sampled)		
Decon Method:		Sample Number:	
Water Level Start:	19 56	Water Level Finish:	1
Sampling Method:		Field comments:	1430
Filter Type:			

Project Number:		Date: 81	23/18		w	Veather: Part	y Clarchy			
Development / Purge Method:		Well Screen In	terval:	_ to	т	idally Influenced?	165			
Logged By:		Water Depth S	tart: 11.06			ield Comments:	19 3			
Purge Water Disposal Method:		Water Depth F	inish:							
Purge Water Disposal Volume:		Bails Dry?	es No What Volum	me?		Vell Conditions: OK	Not OK			
Well Developmen	t / Purging (ci	rcle one)		Casing Volume	e in Gallons: 1" D s: 1" Diam 0.041	Diam = 0.041 gal/ft, 2" ( * 3 casings * 10' scree	Diam = 0.163 gal/ft, 4" Dia n = 1.23 gallons, 2" Diam	am = 0.653 gal/ft 0.163 * 3 casings * 10' screen = 4.89		
Time	1130	1135	1140	1145	1150	2				
Water Level (ft)	11.06	13.04	13.21	13.22	13.2	2				
рН	6.15	623	6.11	6.09	611					
Conductivity (mS/cm)	0.548	0.527	0.526	0.521	0.5	27				
Temperature (F)	2029	18 06	18.201	18.32	18	1				
ORP (mV)	61	-34	-43	-45	-47					
Turbidity (NTUs)	22.5	50.0	G2613.	4 400	4.2					
Dissolved Oxygen (mg/L,%)	1,03	2.43	2,35	2.32	227					
Color	Clear	Clear	CLUBE	61551	Clear					
Purge Volume	0	0.1	0,2	0,3	0.4					
Well Sampling Inf Decon Method: Water Level Start: Sampling Method:	ormation (com	plete if well is	sampled)	Sample N Water Le Field con	vel Finish:	MW-2:	1300			

Project Number:		Date: 5/	23/15			Weather:			
Development / Purge Method:		Well Screen I	nterval:	_ to		Tidally Influer	iced?		
Logged By:		Water Depth	Start: 10:73			Field Comments:			
Purge Water Disposal Method:		Water Depth	Finish:						
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volum	e? Well Conditions: OK Not OK  Explain:					
Well Developmen	nt / Purging (circ	cle one)		Casing Volum Purge Volum	ne in Gallons: 1"	Diam = 0.041	gal/ft, 2" Diam = 0 10' screen = 1.23	.163 gal/ft, 4" Diam = 1 gallons, 2" Diam 0.163	0.653 gal/ft * 3 casings * 10' screen = 4.89
Time	1035	1000	1095	1050	105	5			
Water Level (ft)	10.73	11.21	11,55	11.77	12.	26			
рН	6.07	\$5,97	601	6 04	60	0			
Conductivity (mS/cm)	0.564	0.571	0.574	0.516	0.5	74			
Temperature (F)	14.21	1899	19.37	19.43	19.3	57			
ORP (mV)	128	78	42	3 19	12				
Turbidity (NTUs)	15.2	10.6	3.7	\$2,6	-3.	3			
Dissolved Oxygen (mg/L,%)	0.76	010	0.01	0.00	0.00				
Color	Rusto Hism	CIAr	(1821)	Close	Clas	1			
Purge Volume	0	0.3	0.6	0.9	1.7	2			
Well Sampling In  Decon Method:  Water Level Start:  Sampling Method:	formation (comp	elete if well is	sampled)		Number: evel Finish: mments:	mw 12	-23	1/00	

Well Number:	240		Project Nam	e: BFC	-				
Project Number:		Date: %/	23		v	Weather:			
Development / Purge Metho	od:	Well Screen	Interval:20	_ to25	т	Tidally Influenced?			
Logged By:		Water Dept	Start:		F	Field Comments:			
Purge Water Disposal Meth	Water Dept	n Finish:							
Purge Water Disposal Volu	Purge Water Disposal Volume: Bails			me?	v	Well Conditions: OK Not OK			
					E	Explain:			
Well Develop	oment / Purging (	circle one)		Casing Volume in Purge Volumes: 1	1 Gallons: 1" [ 1" Diam 0.041	Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft 1 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 g			
Time	1333	N35	1040	1045					
Water Level (ft)									
рН	651	1 32	1.00	113					

Time	1533	1035	1040	1045	
Water Level (ft)					
рН	6,51	6,32	6.22	617	
Conductivity (mS/cm)	1.25	1,19	1,13	1.10	
Temperature (F)	15,27	15:06	14.96	15.07	
ORP (mV)	-/00	-95	-94	-92	
Turbidity (NTUs)	1.3	0.8	0.7	1.4	
Dissolved Oxygen (mg/L,%)	P	6.00	ð	×	
Color					
Purge Volume	0			1,5	

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MU-24D @ 1/00
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	

Well Number: Project Number:			Project Nam			eather: Cloudly			
Development / Purge Method	:	Well Screen		to_ 14/		dally Influenced?			
Logged By:		Water Dept	h Start: 9.93		Fi	Field Comments:			
Purge Water Disposal Method: Water Depth Finish:									
Purge Water Disposal Volum	Purge Water Disposal Volume: Bails Dry? Yes No What Volume					well Conditions: OK Not OK  Explain:			
Well Develop	ment / Purging (ci	rcle one)		Casing Volum Purge Volum	ne in Gallons: 1" Di es: 1" Diam 0.041 *	iam = 0.041 gal/ft, 2" Diam = 0.1 3 casings * 10' screen = 1.23 ga	53 gal/ft, 4" Diam = 0.653 gal/ft illons, 2" Diam 0.163 * 3 casings *	10' screen = 4,89 gallons	
			10016	0.53	Carlo	00 1.05			
Time	940	9:45	450	9 55	9:10	00			
Time Water Level (ft)	9 40	9:45	11-67	11.89	1199	5 /100			

Time	940	9:45	950	9 55	9,1000	1009	
Water Level (ft)	993	11.79	11.67	11.84	1195	1100	
рН	7.15	6.04	6.06	610	6.13	6.12	
Conductivity (mS/cm)	0.397	0.576	0374	0.3573	0.373	0:372	
Temperature (F)	1: 65	16,50	16 40	16-40	11. 38	16.35	
ORP (mV)	208	204	145	156	177	172	
Turbidity (NTUs)	418	5.2	3.6	27	25	3.3	
Dissolved Oxygen (mg/L,%)	7.4t	5,30	4.04	3.59	3.11	1.30	
Color	CICOR	clear	Clube	1931	(1031	cles.	
Purge Volume	0	0.2	05	0.4	1.1	1.14.	

econ Method:		Sample Number:	MW-25	
/ater Level Start:	13	Water Level Finish:	11.47	
ampling Method:		Field comments:	QAQC	10,0

Project Number:		Date: 3/	24/13	150	W	leather: Loudes			
Development / Purge Method:		Well Screen I	nterval:	to	TI	idally Influenced?			
Logged By:		Water Depth	Start: 8,84		F	ield Comments:			
Purge Water Disposal Method:		Water Depth	Finish:						
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volu	Volume? Well Conditions: OK Not OK Explain:					
Well Development	/ Purging (ci	rcle one)		Casing Volume Purge Volumes	in Gallons: 1" D : 1" Diam 0.041	Diam = 0.041 gal/ft, 2" Diam = 0.1 3 casings * 10' screen = 1.23 g	63 gal/ft, 4" Diam = 0.68 allons, 2" Diam 0.163 * 3	53 gal/ft 8 casings * 10' screen = 4.89 gall	
Time	1,35	1140	1145	1/50	1/5	1200			
Water Level (ft)	8.84	10.00	10:55	634 D.85	11.31	11,47			
рН	5,06	6.48	6.48	6.47	6,46	647			
Conductivity (mS/cm)	0.344	0,398	0.336	0.309	0.328	0.250			
Temperature (F)	18.83	1971	9.59	191.25	19.23	7.0			
ORP (mV)	-16	-37	-28	-31	-29	-31			
Turbidity (NTUs)	18.3	250	14.8	4.3	5.9	84			
Dissolved Oxygen (mg/L,%)	0.65	0.07	0.00	0.17	11:0	1.40			
Color	Clear	(les	2'201	Clear	ever	12019			
Purge Volume	0.3	0.6	0.9	1.7	1.5	1.8			
Well Sampling Inf	ormation (cor	nplete if well is	s sampled)						
Decon Method:				Sample N	lumber:				
Water Level Start:				Water Lev	vel Finish:	7 10			
Sampling Method:				Field comments:					

Project Number:		Date:	124/18			Weathe	" Partly Made	
Development / Purge Method:		Well Screen		to		Tidally	Influenced?	
Logged By:		Water Depth	Start: 15.45			Field C	omments:	
Purge Water Disposal Method:		Water Depth	Water Depth Finish:					
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volum	ne?		Well Co	onditions: OK Not OK	
Well Development	t / Purging (ci	rcle one)		Casing Volum	ne in Gallons: es: 1" Diam 0.	1" Diam = 041 * 3 cas	0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" ! sings * 10' screen = 1.23 gallons, 2" Dia	Diam = 0.653 gal/ft m 0.163 * 3 casings * 10' screen = 4.89 g
Time	1050	1055	100	105	THE	)	113	
Water Level (ft)	15.95	16.02	16.06	16.08	16.	09	16.10	
рН	6.02	5.53	6.60	265	1/ 60	0	6.42	
Conductivity (mS/cm)	0.389	0.393	0391	0.324	0.3	11	0.369	
Temperature (F)	16.98	1660	16.37	16.12	16.0	12	1591	
ORP (mV)	-15	-23	-31	-24	-33	3	- 36	
Turbidity (NTUs)	7.0	4.5	3.6	3.9	2.9	-	3.1	
Dissolved Oxygen (mg/L,%)	0.65	0.20	0.06	0,00	0.0	0	0.00	
Color	Clear	(VEE)	Clear	ciso!	Cle	les	CUR	
Purge Volume	0	0.25	0.5	0.75	1		1,25	
Well Sampling Info	ormation (con	nplete if well i	s sampled)		Number:			

Filter Type:

	Project Number:		8123118		Wes	other: SOANI			
Development / Purge Method:		Well Screen In	nterval:	to	Tida	Tidally Influenced?  Field Comments:			
Logged By:	Water Depth S	Start: 7-48		Fiel					
Purge Water Disposal Method:		Water Depth F	Finish:						
Purge Water Disposal Volume:	Bails Dry?	Yes No What Volume	e?		Well Conditions: OK Not OK  Explain:				
Well Development	t / Purging (ci	rcle one)		Casing Volume Purge Volume	e in Gallons: 1" Dia s: 1" Diam 0.041 * 3	m = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = .casings * 10' screen = 1.23 gallons, 2" Diam 0.16	0.653 gal/ft 3 * 3 casings * 10' screen = 4,89		
ime	1450	1455	1500	1505	1510	15,12			
Vater Level (ft)	7.48	7631	7.66	7,66	7.66	7.66			
Н	5.43	654	6.51	6.51	6.54	6,54			
Conductivity (mS/cm)	0.366	0.336	0.330	0.307	0.30	7 0.397			
emperature (F)	22.14	20 70	20.74	120.21	14.63	1970			
ORP (mV)	37	45	54	63	10	76			
urbidity (NTUs)	3.3	0.4	0.4	0.3	0.2	0.2			
Dissolved Oxygen (mg/L,%)	dign	1.37	1,27	1:25	1.25	1 61			
Color	Clear	CLEAN	cleer	clear	cles	Cuar			
Purge Volume	.0	03	0.6	0.9	12	1.5			

Project Number:			Project Name: BF C				Weather: DAAW Clander			
Development / Purge Method		Well Screen Interval: to				Tidally Influenced?				
Logged By:	Water Depth	Water Depth Start: 5.06				Field Comments:				
Purge Water Disposal Method: Purge Water Disposal Volume:		Water Depth	Water Depth Finish:  Bails Dry? Yes No What Volume?							
		Bails Dry?					Well Conditions: OK Not OK			
	-					Explain:				
Well Develop	ment / Purging (d	circle one)		Casing Volum Purge Volum	me in Gallons: les: 1" Diam 0.	1" Diam = 0. 041 * 3 casin	041 gal/ft, 2" Diam = 0.163 g gs * 10' screen = 1.23 gallor	al/ft, 4" Diam = 0.653 gal/ft is, 2" Diam 0.163 * 3 casing	s.* 10' screen = 4.89 gallons	
Time	1000	1005	10:0	105	102	O	1025			
						-				
Water Level (ft)	15:06	15,00	15,24	15.30	M	5 153	15.35			

Time	1000	1005	10:0	105	1020	1025	
Water Level (ft)	15.06	15,20	15,24	15.30	VAMS 15	15.35	
рН	6.75	6.53	6.53	653	6.38	612	
Conductivity (mS/cm)	0,491	0.486	0.483	0.474	0,461	0,5%	
Temperature (F)	14.63	15,21	15.48	15:53	15 66	15.70	
ORP (mV)	-83	-94	-97	-91	-86	- 78	
Turbidity (NTUs)	10.7	17.1	65	53	4,9	5.4	
Dissolved Oxygen (mg/L,%)	0.88	0.23	0.08	0.04	0:00	000	
Color	Clear	cuar	Clear	clear	Clear	Clear	
Purge Volume	0	0.2	04	0.6	0.8		

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Project Number:		Date:			T <sub>w</sub>	Veather:			
Development / Purge Method:		Well Screen In	terval:	to		idally Influenced?			
Logged By:		Water Depth S	tart:			Field Comments:			
Purge Water Disposal Method:		Water Depth F	inish:						
Purge Water Disposal Volume:		Bails Dry?	es No What Volum	e?		Vell Conditions: OK	ilitions: OK Not OK		
Well Development	/ Purging (cir	cle one)		Casing Volume Purge Volume	e in Gallons: 1" D es: 1" Diam 0.041	Diam = 0.041 gal/ft, 2" Di * 3 casings * 10' screen	iam = 0.163 gal/ft, 4" Di = 1.23 gallons, 2" Diam	iam = 0.653 gal/ft n 0.163 * 3 casings * 10' screen = 4.89 gall	
Time	1440	1445	1450	1455	1500				
Water Level (ft)									
рН	6.09	6,10	6.31	175	6,16	4			
Conductivity (mS/cm)	0,751	0.731	0.745	a 746	0,72	8			
Temperature (F)	19,93	19.95	19.77	19.36	19.20	9			
ORP (mV)	73	101	108	113	115				
Turbidity (NTUs)	0.1	0,6	0.5	0.6	1,2				
Dissolved Oxygen (mg/L,%)	0	0	0	0	8				
Color TOS/GIL)	0.480	3.465	0.479	0,479	0.47	24			
Purge Volume	B				2,5	5			
Well Sampling Info Decon Method: Water Level Start: Sampling Method:	ormation (com	plete if well is	sampled)	Sample N Water Le Field con	evel Finish:	MW-28	5 @	1500	

Project Number:	MW-28D		Project Nam	101		Weather:			
Development / Purge Method	i:		Screen Interval: 18 to 23				Tidally Influenced?		
Logged By:		Water Depth S	Water Depth Start: Water Depth Finish:				Field Comments:		
Purge Water Disposal Metho	od:	Water Depth F							
Purge Water Disposal Volum	Bails Dry?	Bails Dry? Yes No What Volume?				Well Conditions: OK Not OK  Explain:			
Well Develop	ment / Purging (cir	cle one)		Casing Vol Purge Volu	ume in Gallons: mes: 1" Diam 0.	1" Diam = 0 041 * 3 casi	.041 gal/ft, 2" Díam = 0 ngs * 10' screen = 1.23	.163 gal/ft, 4" Diam = 0 gallons, 2" Diam 0.163	.653 gal/ft * 3 casings * 10' screen = 4.89 gallo
Time	1400	1405	1410	1415	14 2	1920			
Water Level (ft)									

Time	1400	1405	14.0	1415	1920	
Water Level (ft)						
pH	6.08	5.99	5,94	5.96	5,96	
Conductivity (mS/cm)	0,322	0.331	0.337	0.337	0,334	
Temperature (F)	18.26	17.67	17,25	17,43	17.28	
ORP (mV)	-75	-52	-21	-31	-29	
Turbidity (NTUs)	1.3	1.3	0.9	0.6	0.5	
Dissolved Oxygen (mg/L,%)	X	0	0	1	Z Z	
Solor T05/9/11	0.211	0,215	0.220	0.219	0.220	
Purge Volume	0	0,5	1	1,5	2.0	

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MW - 28D @ 1420
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	

Project Number: 01-04);	0-M	Date: 8/2	24/2018		w	eather:				
Development / Purge Method:		Well Screen Into	1	to_ 15	Tie	Tidally Influenced? Field Comments:				
Logged By:		Water Depth St	art:		Fi					
Purge Water Disposal Method:		Water Depth Fit	nish:		- 5					
Purge Water Disposal Volume:		Bails Dry? Ye	ails Dry? (Yes No What Volume?   Gallon				Well Conditions: OK Not OK  Explain:			
Well Developmen	t / Purging (cir	cle one)		Casing Volume i Purge Volumes:	in Gallons: 1" D : 1" Diam 0.041 *	iam = 0.041 gal/i 3 casings * 10'	t, 2" Diam = 0.1 screen = 1.23 ga	53 gal/ft, 4" Diam = allons, 2" Diam 0.16	0.653 gal/ft 33 * 3 casings * 10' scre	en = 4.89 gallon
Time	1315	1320	1325	1230	1335					
Water Level (ft)										
рН	6,06	6.11	6.13	6,13	6,13					
Conductivity (mS/cm)	0571	0,555	0.553	0.855	0.554					
Temperature (F)	19.85	20.09	20,07	19.96	19.97					
ORP (mV)	21	12	9	4	3					
Turbidity (NTUs)	1,-1	1.0	0.7	0.7	0.6					
Dissolved Oxygen (mg/L,%)	9	×	8	8	ø					
Color	0,366	0.355	0.354	0,355	0.35	14				
Purge Volume	1/2-	1391	142	1,5sal	1, 7	54,				
Well Sampling Inf Decon Method: Water Level Start: Sampling Method:	ormation (com	plete if well is	sampled)	Sample No Water Leve Field comm	el Finish:	jnW	-295	(2) /3	30	

Well Number: Mw-291)	Project Name:	
Project Number:	Date: 8/24/18	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start: 8.25	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	12:35	12:40	12:45	12:50	12:55	
Water Level (ft)	18.25	_		_	-	
pH	628	646	6 52	6.52	651	
Conductivity (mS/cm)	0.276	0.283	0.270	0269	0.268	
Temperature (F)	18:99	18.81	1736	15,86	15.50	
ORP (mV)	6.	-37	-51	-54	-56	
Turbidity (NTUs)	22.2	-13,0	5.8	3.3	2.3	
Dissolved Oxygen (mg/L,%)	0.38	0.07	0.00	0.00	0.00	
Color	Clear	Clear	Clear	clear	clar	
Purge Volume	0.0	0.35	0.5	0.75	1.0	

Pecon Method:	Sample Number:	
Vater Level Start: 18 25	Water Level Finish:	
ampling Method:	Field comments:	War 1310
Iter Type:		201

Development / Purge Method:		Date: 8-Z	3		Weather:				
Control of the control of the control of		Well Screen into		to_25	Tidally In	Tidally Influenced?  Field Comments:			
Logged By:		Water Depth St	ert:		Field Cor				
Purge Water Disposal Method:		Water Depth Fir	nish;		12				
Purge Water Disposal Volume:		Bails Dry? Ye	s No What Volum	e?	Well Con Explain:	Well Conditions: OK Not OK  Explain:			
Well Development	/ Purging (ci	rcle one)		Casing Volume in G Purge Volumes: 1" I	allons: 1" Diam = 0 Diam 0.041 * 3 casi	.041 gal/ft, 2" Diam = 0.1 ngs * 10' screen = 1.23 g	163 gal/ft, 4" Diam = 0.653 gal/ft   allons, 2" Diam 0.163 * 3 casings * 10' screen	n = 4.89 g	
Time	1115	1/20	1125	1120					
Water Level (ft)									
рН	6,21	6.20	6.19	6.19					
Conductivity (mS/cm)	0.865	5.838	0.813	0.792					
Temperature (F)	14,71	17.5.6	15.36	16.04					
ORP (mV)	-55	-60	159	-54					
Turbidity (NTUs)	2,2	0-8	2.3	4.7.					
Dissolved Oxygen (mg/L,%)	1	1	8	Ø					
Color TDS	0	0.536	0,5,9	0.259					
Purge Volume	8			1.5					

Project Number:		Date: 8/	4/18		w	eather:				
Development / Purge Method:		Well Screen Int	1 10-	to 23	Tic	dally Influenced?				
Logged By:		Water Depth St	art:		Fit	eld Comments:				
Purge Water Disposal Method:		Water Depth Fi	nish:							
Purge Water Disposal Volume:		Bails Dry? Yo	es No What Volume	that Volume? Well Conditions: OK Explain:				Not OK		
Well Development	t / Purging (cir	rcle one)		Casing Volumes Purge Volumes	e in Gallons: 1" Di s: 1" Diam 0.041 *	iam = 0.041 gal/ft, 2" ' 3 casings * 10' scre	Diam = 0.163 gal en = 1.23 gallons	ift, 4" Diam = 0.653 , 2" Diam 0.163 * 3 c	galift asings * 10' screen = 4.89 gall	
Time	1009	1015	1020	1030	1040	1040 1035				
Water Level (ft)										
рН	6.05	5.97	5.97	5.97	5,97					
Conductivity (mS/cm)	0,782	1.01	0.979	0,955	0.948					
Temperature (F)	14.72	14.86	1492	14,97	14.99					
ORP (mV)	-47	-59	-66	-64	-63					
Turbidity (NTUs)	1,4	1.1	1.0	1.1	tot.					
Dissolved Oxygen (mg/L,%)	ø	Ø	6	8	0					
Golder TAS (A/L)	-8.629	0.647	0.626	0.611	0,60	6				
Purge Volume	12	24	1Ga)	299)	2.5	501				
Well Sampling Inf Decon Method: Water Level Start: Sampling Method:	ormation (com	nplete if well is	sampled)	Sample N Water Le	vel Finish:	IP-3	@ 10º	75 <u>D</u>	up MW-A	

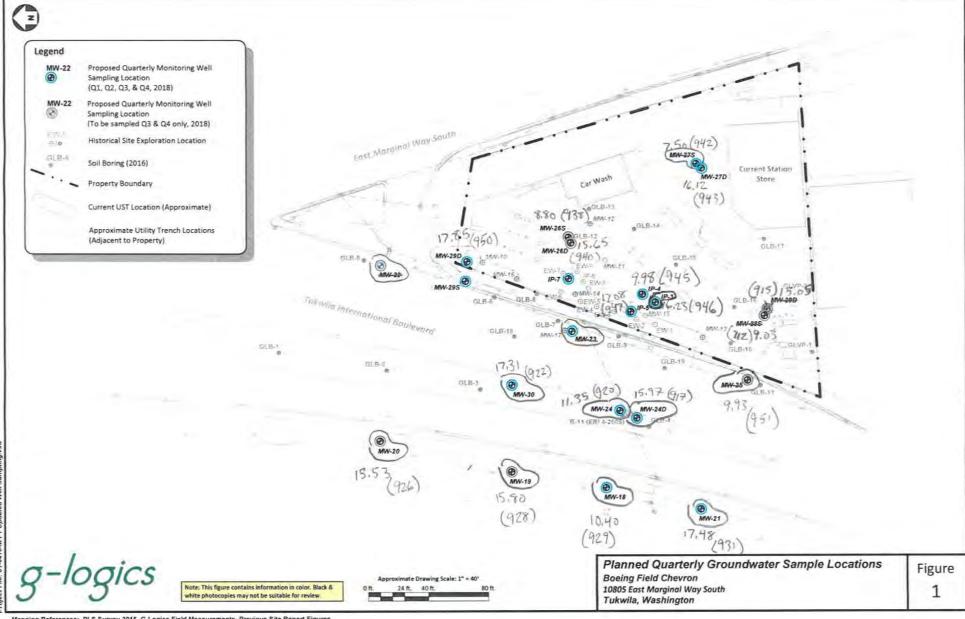
Project Number: 410-M		Date: 8/2	24/18	Weather:					
Development / Purge Method:		Well Screen Int	erval: t		Tic	Tidally Influenced?  Field Comments:			
Logged By:		Water Depth St	art: 10,00		Fie				
Purge Water Disposal Method:		Water Depth Fi	nish:						
Purge Water Disposal Volume:		Bails Dry? Ye	es No What Volume?						
				Explain:  Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft					
Well Development	Purging (circ	cle one)		Purge Volumes:	1" Diam 0.041 *	Diam = 0.041 gaint, 2" Diam = 0.163 gaint, 4" Diam = 0.553 gaint 1 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89			
Time	1120	1/25	1130	1/35	1/40				
Water Level (ft)	10,00								
рН	6.24	6.25	6.76	6.27	6.27	7			
Conductivity (mS/cm)	4.33	1.31	1,29	1.28	1.27	7			
Temperature (F)	16.67	16.95	16.98	16.97	16.9	17			
ORP (mV)	-100	-111	-112	-114	-114	+			
Turbidity (NTUs)	10-3	9.8	93	6.3	6,4	4			
Dissolved Oxygen (mg/L,%)	1	ø	8	\$	B				
Color	0.550	5.840	0.827	0.816	0.81	14			
Purge Volume	1/2 741	3/450	1.2301	1.75sal	2,00	15,9			
	- V	0	0	0	- 0	0			

Well Number: IP-5	Project Name: 8FC		
Project Number: 410 - M	Date: 8/24/18	Weather:	
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?	
Logged By:	Water Depth Start:	Field Comments:	
Purge Water Disposal Method:	Water Depth Finish:		
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK	
		Explain:	

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.553 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1200	1205	1218	1215	1220	1225	
Water Level (ft)							
рН	5.98	5,94	594	5.53	5.94	5.94	
Conductivity (mS/cm)	0.990	0.989	0.987	0,975	0,964	0.923	
Temperature (F)	15.47	15.22	15.17	14.98	14.90	14,88	
ORP (mV)	-43	-45	-46	-47	-47	-45.	
Turbidity (NTUs)	1.3	1.0	1.4	1, 2	0.8	1,5	
Dissolved Oxygen (mg/L,%)	0.8	1	Ø	8	Ø	Ø	
Color	D. 624	0.633	0,631	0.621	0,617	0,090	
Purge Volume	11	24	34	3.51	51	6.52	

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: IP-5 @ 1230
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	



Development / Purge Method:	Project Number: Date: 11/2/118			Weather: Dan Au				
manufacture and a second secon		Well Screen Interval:	to_	F 0				
Logged By: Water Depth Start:				Field	Comments:			
Purge Water Disposal Method:	urge Water Disposal Method: Water Depth Finish:							
Purge Water Disposal Volume: Bails Dry? Yes No What Volume?			What Volume?	Well Conditions: OK Not OK				
Well Development	/ Purging (cir	cle one)	Casing V Purge Vo	olume in Gallons: 1" Diam olumes: 1" Diam 0.041 * 3 c	= 0.041 gal/ft, 2" Diam = 0.1 asings * 10' screen = 1.23 g	163 gal/ft, 4" Diam = 0.653 allons, 2" Diam 0.163 * 3 (	gal/ft :asings * 10' screen = 4.89	
rime	1455							
Vater Level (ft)	9							
H	6.38							
Conductivity (mS/cm)	0.379	4						
emperature (F)	15.39	-07						
DRP (mV)	166	()						
urbidity (NTUs)	1.01							
Dissolved Oxygen (mg/L,%)	97							
Color	cled							
Purge Volume								

Well Number: MW-19	Project Name: 8	
Project Number: 01-0010-M	Date: 11/27/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1400	1405	1410	1415	1420	1925	
Water Level (ft)	10.38		100	-	_	11.17	
рН	6.55	6.40	6.42	6.44	6.45	6.51	
Conductivity (mS/cm)	0.435	0.549	0.572	0.561	0.570	0.576	
Temperature (F)	15.82	15.84	15.80	15.84	15.84	15.78	
ORP (mV)	113	135	119	93	88	79	
Turbidity (NTUs)	97.9	11.2	13.9	23.5	16.9	9.9	
Dissolved Oxygen (mg/L,%)	3,43	0.36	0.01	0.19	0.01	0.00	
Color	cles	cleer	rear	cust	01236	clear	
Purge Volume	0	0.3	0.6	0.9	1.2	1,5	

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MW-19 1425
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	



Well Number: MW-20	Project Name: BK	
Project Number: 01-0410-M	Date: ///27/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By: HC	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1310	1315	1320	1325	1330	40	
Water Level (ft)	11.57	-	_	-	-11.71	\ Up	
pH	6.45	6.43	643	6.42	6.42		
Conductivity (mS/cm)	0.533	0.502	0.487	0.472	0.464		
Temperature (F)	15.93	15.88	15.87	15.84	15.82		
ORP (mV)	-78	-70	-65	-62	-61		
Turbidity (NTUs)	73.5	31.6	122	700	6.0		
Dissolved Oxygen (mg/L,%)	1.24	0.28	0.00	0.00	0.00		
Color	Clear	rear	clear	Clear	clear		
Purge Volume	0.0	0.3	0.6	0.9	1.2	ma	

Well Sampling Information (complete if well is sampled)		
Decon Method:	Sample Number:	MW-20 1340
Water Level Start:	Water Level Finish:	(1.7)
Sampling Method:	Field comments:	
Filter Type:		

Well Number: MW-21	Project Name: () t	
Project Number: 61 - 0410 - M	Date: 11 28 18	Weather: RAIO
Development / Purge Method:	Well Screen Interval:to	Tidally Influenced?
Logged By: 14C	Water Depth Start: 8.59	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 8.99	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	830	835	840	845	850	
Water Level (ft)	9.59				_	
рН	6.34	6.37	6.45	6.46	6.46	
Conductivity (mS/cm)	0.556	0.575	0.592	0.600	0.603	
Temperature (F)	12.29	12.70	12.95	12.88	13.3	
ORP (mV)	110	82	58	50	46	
Turbidity (NTUs)	17.6	14.7	8.0	5.0	4.2	
Dissolved Oxygen (mg/L,%)	0.38	0.13	0.06	0.01	0.01	
Color	CLEAR	clear	Clear	Clear	Clear	
Purge Volume CAL	0.1	0.4	0-7	1.0	13	

well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MW 21 835
Water Level Start:	Water Level Finish: 6.99
Sampling Method:	Field comments:
Filter Type:	

Well Number: MW-22	Project Name: B ⊨C			
Project Number: 01-6410-M	Date: (1/27/18	Weather: Sunny		
Development / Purge Method:	Well Screen Interval:	Tidally Influenced?		
Logged By: HC	Water Depth Start: #0 11.98	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

Time	1035	1040	1095	1050	1035	100	
Water Level (ft)	11.98	11.56	12.30	12.79	12.31	12.51	
pH	6.71	6.64	6.65	6 67	6.70	6.72	
Conductivity (mS/cm)	0.301	0.293	0.283	0.282	0.275	0.275	
Temperature (F) C	16.25	16.50	16-61	16.84	16.83	16.88	
ORP (mV)	154	94	74	64	58	55	
Turbidity (NTUs)	75.4	33.7	59 1	8.3	1.9	0.6	
Dissolved Oxygen (mg/L,%)	0.58	2-70	2.56	2.24	2.13	1. 99	
Color	clear	clear	cuer	Cuar	CLEAR	Cleer	
Purge Volume	0	0.2	04	0.6	0.8	1.0	

Decon Method:		Sample Number:	MW-22	1105
Nater Level Start:	11 98	Water Level Finish:	1251	
Sampling Method:		Field comments:		
filter Type:				

l/ft, 4" Diam = 0.653 gal/ft , 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallo
/ft, 4" Diam = 0.653 gal/ft , 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallo
/ft, 4" Diam = 0.653 gal/ft , 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallo
/ft, 4" Diam = 0.653 gal/ft , 2" Diam 0.163 * 3 casings * 10' screen = 4.89 galk
/ft, 4" Diam = 0.653 gal/ft , 2" Diam 0.163 * 3 casings * 10' screen = 4.89 galk

Project Number:		Date: /1/2	27		Weath	Weather:				
Development / Purge Method:		Well Screen In	nterval: 20	to_25	Tidally	y Influenced?				
Logged By:		Water Depth S	Start:		Field (	Comments:				
Purge Water Disposal Method:		Water Depth F	Finish:							
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volume	?	Well C Explai	Conditions: OK Not O	K			
Well Developmen	t / Purging (ci	rcle one)		Casing Volume Purge Volumes	in Gallons: 1" Diam 1" Diam 0.041 * 3 ca	= 0.041 gal/ft, 2" Diam = 0.16 asings * 10' screen = 1.23 ga	33 gal/ft, 4" Diam = 0.653 ( llons, 2" Diam 0.163 * 3 ca	gal/ft asings * 10" screen = 4.89 gal		
Time	1130	1135	1140	1145	1150	1200				
Water Level (ft)	12.2					1200				
рН	6.67	5.2.	6,72	6.73	6.24	674		7		
Conductivity (mS/cm)	044	0.44/3	0.644	0.644	0,642	0.690				
Temperature (F)	14.54	14.49	14.52	14,52	14:52	14153				
ORP (mV)	-73	-7.1	-44	-85	-88	-29				
Turbidity (NTUs)	11.5	8.3	6,3	5.9	6.74	6.74				
Dissolved Oxygen (mg/L,%)	9.45	2.72	1,14	0.82	Ø	0				
Color	cir	circ	CIE	CIT	100	-11				
Purge Volume	.5	1.00	1.5	2.0	2.15	2.35				

Project Number: Date: 11/27			27	Weather:						
Development / Purge Method:	terval: 8,65	to 13.65 Tidally Influenced?								
Logged By: Water Depth Start:					Field Comments					
Purge Water Disposal Method:		Water Depth F	finish;							
Purge Water Disposal Volume: Bails Dry? Yes No What Volume?					1	Well Cond	ditions: OK Not	ОК		
Well Development	t / Purging (ci	ircle one)		Casing Volu Purge Volu	ume in Gallons: mes: 1" Diam 0.0	1" Diam = 0, 041 * 3 casin	041 gal/ft, 2" Diam = 0. gs * 10' screen = 1.23	163 gal/ft, 4" Diam = ( gallons, 2" Diam 0.163	0.653 gal/ft * 3 casings * 10' screen = 4.89 g	
Time	1230	1242	1736							
Water Level (ft)		10								
рН	6,35	634								
Conductivity (mS/cm)	2557	0 756								
Temperature (F)	This	1751.72	Dun	PED	NY	/				
ORP (mV)	105	1.70								
Turbidity (NTUs)	362	28.0								
Dissolved Oxygen (mg/L,%)	3.5	1.82								
Color	Z.r	cle								
Purge Volume	0.18	1.75								
Well Sampling Info Decon Method: Water Level Start	ormation (con	nplete if well is	sampled)		e Number: Level Finish;		INW-24	/ (a) /	1300	

Well Number: M	W 52	Table 1	Project Name:						
121				. 14	Weath				
Development / Purge Method: Logged By:	Well Screen	interval,	0_17	Tidally Influenced?					
Purge Water Disposal Method:	The September 1				Field Comments:				
Purge Water Disposal Volume:  Bails Dry? Yes No What Vo				r.		Well Conditions: OK Not OK  Explain:			
Well Development	t / Purging (cir	cle one)		Casing Volumes Purge Volumes	in Gallons: 1" Diam : s: 1" Diam 0.041 * 3 ca	= 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam esings * 10' screen = 1.23 gallons, 2" Diam 0	n = 0.653 gal/ft .163 * 3 casings * 10' screen = 4.89 gallo		
Time	922	930	935	-45	90	1000			
Water Level (ft)	9.6					1000			
рН	7.47	6,62	6.55	6.51	6.51	6.51			
Conductivity (mS/cm)	0.389	0.759	0.363	0347	0.34	7 0347			
Temperature (F)	1375	14.97	15.18	13,	15 16	18.15			
ORP (mV)	199	151	144	143	142	142			
Turbidity (NTUs)	142	84.8	29.6	19.7	16,1	12-6			
Dissolved Oxygen (mg/L,%)	1199/	2.78	1,20	0.48	0.42	030			
Color	Elv	ZJT-	EV.	dr	215	411			
Purge Volume	-(1150)	0.5	0.7	1.1	1.3	1.5			
Well Sampling Info	ormation (com		7- 071	Sample N		Mw-25 3	1000		

Project Number: 01-0410	0-M	Date:	28/18	Weather: Rain						
Development / Purge Method:		Well Screen I	nterval:	to		Tidally In	fluenced?			
Logged By: HC		Water Depth	Start: 12.20			Field Comments:				
Purge Water Disposal Method:		Water Depth	Finish:							
Purge Water Disposal Volume:		Bails Dry?	Yes No What Volu	me?		lot OK				
Well Developmen	t / Purging (c	ircle one)		Casing Volume	ne in Gallons: es: 1" Diam 0.0	1" Diam = 0 041 * 3 casi	.041 gal/ft, 2" Diam : ngs * 10' screen = 1.	= 0.163 galiff, 4" Diam : 23 gallons, 2" Diam 0.10	= 0.653 gal/ft 53 * 3 casings * 10' screen = 4.8	
Time	925	930	935	940	94	15				
Water Level (ft)	12.20	12.19	12.11	12.08	12.0	25'				
Н	6.59	6.40	6.42	6.42	6 41					
Conductivity (mS/cm)	0.454	6.424	0.412	0.401	0.3					
Temperature (F)	12.92	14.45	14.57	14.62	14.6	5				
ORP (mV)	103	135	125	122	121					
Turbidity (NTUs)	10.7	3.6	3.0	1.6	25					
Dissolved Oxygen (mg/L,%)	0.74	0.00	0.00	0.00	00	Ō				
Color	Cless	Clear	nuerol	cuel	(1)	0/				
Purge Volume	0	0.3	0.6	0,9	1.6					
Well Sampling Inf	ormation (cor	mplete if well is	s sampled)				3 0 (0	250		
Decon Method:				Sample	Number:	W	W-26T	) 95		
Water Level Start:				Water Le	evel Finish:					
Sampling Method				Field ear	Field comments:					

Filter Type:

Well Number: MW-265	Project Name:			
Project Number:	Date: 11/28/16	Weather:		
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?		
Logged By:	Water Depth Start:	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft.
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4,89 gallons

Time	1000	1040	1015	1/20	1025	
Water Level (ft)	7.99	8.14	8.15	6.16	8.16	
pH	6.60	6.32	6.34	6.36	6.37	
Conductivity (mS/cm)	0.514	0.467	0.457	0.456	0.468	
Temperature (F)	12.96	15:32	15.41	15.46	15.51	
ORP (mV)	115	183	195	204	210	
Turbidity (NTUs)	27.1	9.6	8.1	7.4	5.6	
Dissolved Oxygen (mg/L,%)	1.42	1.16	1.20	1.23	1.20	
Color	cueso	clar	Clear	near	clear	
Purge Volume	.0	0.25	0.5	0.75	(.0	

Well Sampling Information (complete if well is sampled)	20
Decon Method:	Sample Number: MW-265 1030
Water Level Start.	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	

MW-ZZD

Well Number:	Project Name:	
Project Number:	Date: 1/28	Weather:
Development / Purge Method:	Well Screen Interval: to	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

#### Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

Time	10 20	1025	1030	1035	1040	1045	
Water Level (ft)							
рН	6.37	6.38	6,38	6.42	6.44	6.44	
Conductivity (mS/cm)	0,25%	n 255	0 255	0.238	0. 276	0,223	
Temperature (F)	13.57	00,H1	14,50	14,10	14.06	14.07	
ORP (mV)	12	10	10	-1	-2	-3	
Turbidity (NTUs)	24.2	22.2	22.2	99	9,7	8.8	
Dissolved Oxygen (mg/L,%)	0.15	Ø.	Ø	6	0	Ø	
Color TOS NL	CIT	0,166	0.166	0.153	0.147	0.145	
Purge Volume	1	1.5	2.0	2.5	3.0	3.5	1

Decon Method:	Compt Harten 1100 - 27 A 2/ 12/15	
Decon Metrod,	Sample Number: M14-27D 2 /045	
Water Level Start:	Water Level Finish:	
Sampling Method:	Field comments:	
Filter Type:		

Well Number:

Project Name:

Project Name:

Date: 1/28 Weather:

Development / Purge Method: Well Screen Interval: 7 to 12 Tidally Influenced?

Logged By: Water Depth Start: Field Comments:

Purge Water Disposal Method: Water Depth Finish:

Balls Dry? Yes No What Volume?

#### Well Development / Purging (circle one)

Purge Water Disposal Volume:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Not OK

Well Conditions: OK

Explain:

3 x 0,163 = 0,48 x 3 = 1,5 gallons (3 casings)

Time	1100	1105	1110	1115	1120	1125	1/30	
Water Level (ft)								
рН	6.39	6,44	6.44	6.49	6,50	6,52	6.52	
Conductivity (mS/cm)	0.245	0.246	0.246	0.252	0.254	0.250	0.251	
Temperature (F)	14.96	15,14	1516	15,22	15126	15.28	15.30	
ORP (mV)	49	63	65	82	92	49	101	
Turbidity (NTUs)	14.3	19.6	20,2	22.2	16.7	17 I	15,2	
Dissolved Oxygen (mg/L,%)	Ø	6	Ø	\$	B	8	8	
Color	0,159	O. Horr	01/60	0.164	0 165	0.163	0.163	
Purge Volume	0 25	0,5	1,0	1.25	2.0	7.5	2.75	

Well Sampling Information (complete if well is sampled)	
Decon Method:	Sample Number: MW - 275 @ 1/45
Water Level Start:	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	

Project Number:	Date: 11/27/18	Weather:		
Development / Purge Method:	Well Screen Interval:	Tidally Influenced?		
Logged By:	Water Depth Start:	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		
Well Development / Purgir	ng (circle one) Casing Volum	ne in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft es: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gal		

Time	1350	/355	1400	1405	1413	1415	1420
Water Level (ft)							7,00
рН	6.53	150	6.51	6.51	6,49	6.50	6,50
Conductivity (mS/cm)	0.167	0.147	0.166	0.166	0.167	0,166	0.166
Temperature (F)	14.29	14:31	14.29	14.27	14.27	14.25	14.25
ORP (mV)	9	4	-2	-3	-5	-6	17
Turbidity (NTUs)	7,5	7.2	9,3	11.3	8.7	7.8	6.0
Dissolved Oxygen (mg/L,%)	1.58	6.37	ø	Ø	0	6	d
Color	clr -						
Purge Volume		5	0.75	15	2.0	25	₹,₩

18/2: 31=
No 110
V= 862.29
= 2,712.95

well Sampling Information (complete if well	is sampled)
Decon Method:	Sample Number: 11400
Water Level Start	Water Level Finish:
Sampling Method:	Field comments:
Filter Type:	

Well Number: MV -285	Project Name:			
Project Number:	Date: 11/2 7	Weather:		
Development / Purge Method:	Well Screen Interval:	Tidally Influenced?		
Logged By:	Water Depth Start:	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
		Explain:		

Well Sampling Information (complete if well is sampled)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

Time	1441	1450	1455	1500	1505	1510
Water Level (ft)						
рН	640	6,52	6.50	4.49	6.49	6.49
Conductivity (mS/cm)	0.518	0,515	0.517	0,522	7,521	0.525
Temperature (F)	18.56	14.88	1506	15,35	15.28	14 SH
ORP (mV)	75	106	117	222	128	104
Turbidity (NTUs)	10.2	4.3	Z.)	2.0	2.0	2.0
Dissolved Oxygen (mg/L,%)	6.11	1.81	1.66	1,42	1,75	1,31
Color	cir	cir	210	clr	clr	cir
Purge Volume	0.5	1.0	1.5	7.0	2.5	3.0

Decon Method:	Sample Number: MW-285 @ 1500
Water Level Start.	Water Level Finish:
Sampling Method:	Field comments:

Filter Type:

411 - 97

Date:	11/28						
Well S	7 500 0		Weather:				
Development / Purge Method: Well Screen Interval:				idally Influenced?			
Water	Depth Start:		F	ield Comments:			
Water	Depth Finish:						
Purge Water Disposal Volume: Bails Dry? Yes No V				Well Conditions: OK Not OK  Explain:			
ng (circle one)		Casing Volume Purge Volumes	in Gallons: 1" D : 1" Diam 0.041	oiam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gal			
930	935	240	945				
3 6.41	6 6144	6.44	5.42	X			
67 0.2	62 0.268	0.750	0.25				
6 13.4	12 13.43	13.45	1				
9	8	6	4				
2 30.7	24.8	23.3	15.0				
(	6	6	8				
0.1	70 0.169	0.169	0.16	7			
1.5	20	2,5	3.0				
	Water Bails I  ng (circle one)  930  3 614  13.4  9  2 30.7	Water Depth Finish:  Bails Dry? Yes No What Volume  1938 335  6146 6144  167 0.262 0.268  13.42 13.43  9 8  2 30.7 24.8	Water Depth Finish:   Bails Dry? Yes No What Volume?   Casing Volume   Purge Volumes	Water Depth Finish:   Bails Dry? Yes No What Volume?   Water Depth Finish:   Water Dep			

MW-195 BEC Well Number: Project Name: Date: (1) Project Number: Weather: Con Partly Sta 12 Development / Purge Method: Well Screen Interval: to Tidally Influenced? Logged By: Water Depth Start: Field Comments: Purge Water Disposal Method: Water Depth Finish: Purge Water Disposal Volume: Balls Dry? Yes No What Volume? Well Conditions: OK Not OK Explain: Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft Well Development / Purging (circle one) Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons Time 850 855 Water Level (ft) pH 6,50 Conductivity (mS/cm) Temperature (F) 13.50 13.95 ORP (mV) Turbidity (NTUs) 122 Dissolved Oxygen (mg/L,%) Color CIT 1.75 7.15 Purge Volume 2.0 Well Sampling Information (complete if well is sampled) 11114-295 @ 115 Decon Method: Sample Number:

Water Level Finish:

Field comments:

Water Level Start:

Sampling Method:

Filter Type:

Well Number: MW-30	Project Name: BFC			
Project Number: 01-0410-M	Date: 11/27/19	Weather:		
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally influenced? XES		
Logged By:	Water Depth Start: /3.19			
Purge Water Disposal Method:	Water Depth Finish: 13.21			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
•	7.114	Explain:		

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10" screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10" screen = 4.89 gallons

Time	1145	1150	1155	1300	1205	1210	
Water Level (ft)	13.19	13.23	13.23	13.25	13.26	13.27	
pH	6.51	6.53	6 56	6.51	6.58	6.58	
Conductivity (mS/cm)	0.586	0.587	0.580	0.575	6.570	0.379	
Temperature (F)	15.94	16.08	16.44	16.63	16-70	15,41	
ORP (mV)	63	45	42	39	37	33	
Turbidity (NTUs)	8.3	14.5	185	39.5	20.5	28.8	
Dissolved Oxygen (mg/L,%)	0.6	0.64	0.69	0.51	0.50	0.23	
Color	creer	Clear	(6021	Clear	reer	nex	
Purge Volume	0	0.2	0.5	0.8	1.1	1.4	

Decon Method:	Sample Number:	MW-30 12"	
Water Level Start	Water Level Finish:	13.21	
Sampling Method:	Field comments:		
Filter Type:		2 15	

Well Number: 1P-3	Project Name: 37-2			
Project Number: 01-0410-M	Date: 11/28/195	Weather:		
Development / Purge Method:	Well Screen Interval:	Tidally Influenced?		
Logged By:	Water Depth Start: 12.45	Field Comments:		
Purge Water Disposal Method:	Water Depth Finish:			
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK		
	-11	Explain:		

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons

Time	1100	1105	1110	1115	1120	
Water Level (ft)	12.45	12.44	12.44	12.44	12.43	
pH	6.31	6.26	6.31	6.35	6.36	
Conductivity (mS/cm)	6.493	0.492	0.491	0.492	0.476	
Temperature (F)	14.03	14.45	14.48	14.45	14.41	
ORP (mV)	-166	-97	79	-72	-68	
Turbidity (NTUs)	101	45.2	29.1	15.9	18.4	
Dissolved Oxygen (mg/L,%)	0.38	6.00	0.00	0-00	0.00	
Color	Clear	cus	ruest	Clear	clear	
Purge Volume	0	0.25	0.5	0,75	1.0	

well Sampling Information (complete if well is sampled)	2.5
Decon Method:	Sample Number: 1000 1P-3 1129
Water Level Start:	Water Level Finish: OUP-1 1135
Sampling Method:	Field comments:
Filter Type:	

TP-4 Well Number: Project Name: Project Number: Date: Weather: to 16 Development / Purge Method: Well Screen Interval: Tidally Influenced? Logged By: Water Depth Start: Field Comments: Purge Water Disposal Method: Water Depth Finish: Purge Water Disposal Volume: Bails Dry? Yes No What Volume? Well Conditions: OK Not OK Explain: Well Development / Purging (circle one) Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft Purge Volumes: 1" Diam 0.041 \* 3 casings \* 10' screen = 1.23 gallons, 2" Diam 0.163 \* 3 casings \* 10' screen = 4.89 gallons Cx.7-43 1200 Time 1205 1710 1220 Water Level (ft) 4.64 На Conductivity (mS/cm) 8,722 Temperature (F) ORP (mV) -5/6 61.7 Turbidity (NTUs) Dissolved Oxygen (mg/L,%) Color 1.5 Purge Volume 2.0 0.5 Well Sampling Information (complete if well is sampled) IP-4 (a) 1230 Decon Method: Sample Number: Water Level Start: Water Level Finish:

Field comments:

Sampling Method:

Filter Type:

Project Number: 01-0	410-M	Date:	Project Nam		Weather:				
Development / Purge Metho		Well Screen	Interval: 16		Tidally influenced?				
Logged By:		Water Depti	Start:			Field Comments:			
Purge Water Disposal Meth	od:	Water Depth	Water Depth Finish:						
Purge Water Disposal Volu	Purge Water Disposal Volume: Bails Dry? Yes No What Volume?					Well Conditions: OK Not OK  Explain:			
Well Develop	oment / Purging (c	ircle one)		Casing Volum Purge Volum	me in Gallons: les: 1" Diam 0.0	1" Diam = 0.04 041 * 3 casings	gal/ft, 2" Diam = 0 * 10' screen = 1.23	i.163 gal/ft, 4" Diam gallons, 2" Diam 0,	n = 0.653 gal/ft 163 * 3 casings * 10' screen = 4.89
Time	1205	1210	1215	1220	123	0			
Water Level (ft)	13.20	_	/		- 0				
					10.	W C			

time	1200	1210	121	1200	1230	
Water Level (ft)	13.20	_	-		13.28	
pH	6.20	6.26	6.29	6.30	6.31	
Conductivity (mS/cm)	0.561	0.562	0.560	0.534	0.510	
Temperature (F)	12.78	13.29	13.43	13.49	13.51	
ORP (mV)	145	98	87	82	80	
Turbidity (NTUs)	36.9	7.9	5.9	7.1	6.8	
Dissolved Oxygen (mg/L,%)	MAN CHI	0.00	0.00	0-00	0.00	
Color	cless	Clear	Clear	clear	Clear-	
Purge Volume	0	0.3	0.6	09	12	

Well Sampling Information (complete if well	s sampled)	
Decon Method:	Sample Number:	
Water Level Start	Water Level Finish:	
Sampling Method:	Field comments:	
Filter Type:		

We 11	I	TIME	TA	G#	Notes:
A5-1	9,60	1230	326-452		Developed Clear @ 3 Gal
As-Z	15.03	1232	BLC	451	Clear From Start, Developed 56 Before Starting Purge Log
Temp 10 Do Cond. 2 PH 6 ORP 1	0.95 M/L 0 239 M/S 2 6.68 pH 6 59.7 onV	.5 14.5 98 0.29 252.8 33.7 6.34 33.7 26.8	14.5 0.24 254.5 6.34 20.6 13.15 6.5	14.7 0.21 257.1 6.33 18.5 1320 70	Sample Time AS.Z 1315
Temp Do Cond PH ORP	13.1 \$ 0:40 \$ 589 6.49 71.1	RECHARGED SAMPLE	5	REMENTS	SAMPLE time AS-1 1415
	1400 14 3 gel	410 1415	1420	1430	
A5-1	* Pumped	Dry @ 140 1419 1419	9,3, , Level ( al = 1	5 Gal, 1 Q 15.75 Gallon	16.1' 5' Casing Volume