



BORING NO. SG-2 & SG-1

SHEET 1 OF 1

PROJECT NAME: <u>Holiday, 100.5th Magnolia</u>	DRILLING METHOD: <u>Direct Push</u>
PROJECT LOCATION: <u>5th Magnolia, Oakland</u>	SAMPLING METHOD: <u>Macrocore</u>
DRILLING DATE: <u>May 8, 2017</u>	TOTAL WELL DEPTH (FT): <u>5.5</u>
DRILLING COMPANY: <u>PCA</u>	WATER LEVEL AT TIME OF DRILLING (FT): <u>—</u>
LOGGED BY: <u>REM</u>	STATIC WATER LEVEL (FT): <u>—</u>

WELL CONSTRUCTION	DEPTH (FT)	BLOW COUNTS	CORE INTERVAL (FT)	CORE RECOVERY (FT)	SAMPLE INTERVAL	SAMPLE ID	PID (PPMV)	USCS	SOIL DESCRIPTION
	0							Asphalt	
	1						(0.0)	0.0	Baselock, SW/SP, black to gray
	2		0.9	0.9			(0.0)	SW	Gravelly sand, SW, 10YR 3/2, fine to gravel, slightly damp, loose
	3						(0.0)	SP	sand, SP, 10YR 8/3, brown, fine-grained, slightly damp, loose
	4			3"	3"			(0.0)	SP/SM
	0							Asphalt	
	1						(0.0)	SW/SP	Baselock SW/SP, 10YR 8/1, n. dk gray, slightly damp, fine to med. gravel, subangular clasts, loose
	2		0.3	0.3			(0.0)	SP	sand, SP, 10YR 3/3, n. dk gray, brown, fine-grained, slightly damp, loose to med. disk
	3						(0.0)	SP/SM	color change 10YR 3/2, n. dk gray & brown, shards of glass
	4			3-5.5"	3-5.5"			(0.0)	SP/SM
5							(0.0)		

BOREHOLE DIAMETER (INCHES): <u>2.25</u>	SLOTTED SCREEN SIZE (INCHES):	BENTONITE SEAL - WET (FT):
BOREHOLE DEPTH (FT): <u>5.5</u>	SLOTTED SCREEN INTERVAL (FT):	BENTONITE SEAL - DRY (FT):
CASING MATERIAL:	SAND SIZE:	GROUT SEAL (FT):
CASING DIAMETER (INCHES):	SAND PACK INTERVAL (FT):	SURFACE WELL COMPLETION:
BLANK WELL CASING INTERVAL (FT):		
FROM TO	FROM TO	FROM TO

**PROJECT NAME:** Holliday, W.O. 5th Magnolia  
**PROJECT LOCATION:** 5th Magnolia, Oakland  
**DRILLING DATE:** May 8, 2017  
**DRILLING COMPANY:** ECA  
**LOGGED BY:** RJM

**DRILLING METHOD:** Direct Push  
**SAMPLING METHOD:** Macrocore  
**TOTAL WELL DEPTH (FT):** 5.5  
**WATER LEVEL AT TIME OF DRILLING (FT):** —  
**STATIC WATER LEVEL (FT):** —

SG-5

SG-3

WELL CONSTRUCTION	DEPTH (FT)	BLOW COUNTS	CORE INTERVAL (FT)	CORE RECOVERY (FT)	SAMPLE INTERVAL	SAMPLE ID	PID (PPMV)	USCS	SOIL DESCRIPTION
	1					B-3-15 1015	(0.0)	SW/SP	Asphalt
	2						(0.0)	SW/SP	gravelly sand, SW/SP, 10YR 3/2, v. dk grayish brown w/ white yellow staining, fine to gravel, dry to slightly damp, loose, angular clasts
	3					B-3-3 1020	(0.0)	SW/SP	
	4						(0.0)	SW/SP	silty sand, SW/SP, 10YR 3/1 to 3/2 v. dk grayish brown, fine-grained, damp, loose to med dense
	5						(0.0)	SW/SP	moist
	0								
	1						(0.0)	SW/SP	Asphalt
	2		0-3	0-3			(0.1)	SW/SP	gravelly sand, SW/SP, 10YR 4/1, dk gray, fine to gravel, loose dry to damp
	3						(0.0)	SW/SP	large clast 1/4"
	4						(0.0)	SW/SP	sand SW/SP, 10YR 5/4, yellowish brown, fine w/ occ. coarse or gravel, damp, loose to med dense
	5		3-5.5	3-5.5			(0.0)	SW/SP	glass shards
							(0.0)	SW/SP	moist, 10YR 4/5 brown to 10YR 3/2 v. dk grayish brown, white staining & charcoal pieces
							(0.0)	SW/SP	brick
							(0.0)	SW/SP	moist, 10YR 5/4, yellowish brown, more fines

**BOREHOLE DIAMETER (INCHES):** 2.25  
**BOREHOLE DEPTH (FT):** 5.5  
**CASING MATERIAL:**  
**CASING DIAMETER (INCHES):**  
**BLANK WELL CASING INTERVAL (FT):**  
 FROM          TO         

**SLOTTED SCREEN SIZE (INCHES):**  
 FROM          TO           
**SLOTTED SCREEN INTERVAL (FT):**  
 FROM          TO           
**SAND SIZE:**  
**SAND PACK INTERVAL (FT):**  
 FROM          TO         

**BENTONITE SEAL - WET (FT):**  
 FROM          TO           
**BENTONITE SEAL - DRY (FT):**  
 FROM          TO           
**GROUT SEAL (FT):**  
 FROM          TO           
**SURFACE WELL COMPLETION:**

**PROJECT NAME:** Holliday W.O. 5th Magnolia  
**PROJECT LOCATION:** 5th Magnolia, Oakland  
**DRILLING DATE:** May 8, 2017  
**DRILLING COMPANY:** ECA  
**LOGGED BY:** RLM

**DRILLING METHOD:** Direct Push  
**SAMPLING METHOD:** Macrocore  
**TOTAL WELL DEPTH (FT):** 5.5  
**WATER LEVEL AT TIME OF DRILLING (FT):** —  
**STATIC WATER LEVEL (FT):** —

W-2

SG-4

WELL CONSTRUCTION	DEPTH (FT)	BLOW COUNTS	CORE INTERVAL (FT)	CORE RECOVERY (FT)	SAMPLE INTERVAL	SAMPLE ID	PID (PPMV)	USCS	SOIL DESCRIPTION
	1		0-3	0-3			(0.1) <del>SW</del>	Asphalt	
	2		0-3	0-3			(0.0) SW	gravelly sand, SW/SP, 10YR 3/1v. dk gray to 1/2 dk gray, sh brown, fine to gravelly, dry to slightly damp, med dense to loose	
	3						(0.0) SP	sand SP, 10YR 3/3, dk brown, fine grained w/ occ. gravel, slightly damp	
	4		3-5	5-5			(0.0) SP/SM	med dense to loose	
	5						(0.0) SP/SM	more silt, 10YR 3/2 to 4/2 dk grayish brown	
								damp	
								moist	
	1		0-3	0-3			(0.0) SP/SM	Asphalt	
	2						(0.0) SP/SM	gravelly sand (base rock), SW/SP, 10YR 3/1 dark gray, fine to med, dry to slightly damp, loose	
	3						(0.0) SP/SM	sand, SP, 10YR 3/2, dk gray, sh brown, fine-grained, slightly damp	
	4		3-5	5-5			(0.0) SP/SM	loose to med. dense	
	5						(0.0) SP/SM	color change 10YR 4/2, dk gray, sh brown	
							(0.0) SP/SM	moist, 10YR 4/3 brown to 5/3 brown	
								v. moist	

**BOREHOLE DIAMETER (INCHES):** 2.25  
**BOREHOLE DEPTH (FT):** 5.5  
**CASING MATERIAL:**  
**CASING DIAMETER (INCHES):**  
**BLANK WELL CASING INTERVAL (FT):**  
 FROM TO

**SLOTTED SCREEN SIZE (INCHES):**  
 FROM TO  
**SLOTTED SCREEN INTERVAL (FT):**  
 FROM TO  
**SAND SIZE:**  
**SAND PACK INTERVAL (FT):**  
 FROM TO

**BENTONITE SEAL - WET (FT):**  
 FROM TO  
**BENTONITE SEAL - DRY (FT):**  
 FROM TO  
**GROUT SEAL (FT):**  
 FROM TO  
**SURFACE WELL COMPLETION:**

**PROJECT NAME:** Holliday West Magnolia  
**PROJECT LOCATION:** 9th & Magnolia, Oakland  
**DRILLING DATE:** May 8, 2017  
**DRILLING COMPANY:** ECA  
**LOGGED BY:** RLM

**DRILLING METHOD:** Direct Push  
**SAMPLING METHOD:** MacroCorr  
**TOTAL WELL DEPTH (FT):** 5.5, 2.5, 2  
**WATER LEVEL AT TIME OF DRILLING (FT):** —  
**STATIC WATER LEVEL (FT):** —

W-4

B-9

B-1

WELL CONSTRUCTION	DEPTH (FT)	BLOW COUNTS	CORE INTERVAL (FT)	CORE RECOVERY (FT)	SAMPLE INTERVAL	SAMPLE ID	PID (PPMV)	USCS	SOIL DESCRIPTION
	1		0-3	0-3			(0.0)	/// Asphalt	gravelly sand, sw/ew, 10YR 3/1, v. dk gray, fine to gravel, dry to slightly damp, loose, subrounded to subangular clasts
	2						(0.0)	sw/ew	sand, sw/ep, 10YR 5/4, yellowish brown, fine-grained, damp, loose to med. dense
	3						(0.0)	sw/ew	gravelly sand, mottled 10YR 5/4 to 10YR 7/2, v. dk gray to brown
	4		3-5	3-5			(0.0)	sw/ew	10YR 3/2
	5		5-5	5-5			(0.0)	sw/ew	10YR 4/3 brown
	1		0-2.5	0-2.5		B-9-1 @ 1120	(0.0)	sw/ew	Asphalt
	2					B-9-2 @ 1125	(0.0)	sw/ew	gravelly sand, sw/ew, 10YR 3/1, v. dk gray, fine to gravel, dry to slightly damp, loose color change to 10YR 5/4, more fine sand, less gravel
	1		0-2	0-2		B-1-1.5 @ 1205	(0.0)	sw/ew	Asphalt
	2						(0.0)	sw/ew	gravelly sand, sw/ew, 10YR 3/1, v. dk gray, fine to sm. gravel, dry to damp, loose

<b>BOREHOLE DIAMETER (INCHES):</b> <u>2.25</u>	<b>SLOTTED SCREEN SIZE (INCHES):</b>	<b>BENTONITE SEAL - WET (FT):</b> FROM TO
<b>BOREHOLE DEPTH (FT):</b> <u>5.5, 2.5, 2</u>	<b>SLOTTED SCREEN INTERVAL (FT):</b> FROM TO	<b>BENTONITE SEAL - DRY (FT):</b> FROM TO
<b>CASING MATERIAL:</b>	<b>SAND SIZE:</b>	<b>GROUT SEAL (FT):</b> FROM TO
<b>CASING DIAMETER (INCHES):</b>	<b>SAND PACK INTERVAL (FT):</b> FROM TO	<b>SURFACE WELL COMPLETION:</b>
<b>BLANK WELL CASING INTERVAL (FT):</b> FROM TO		

**PROJECT NAME:** Holladay NO. 5th Magnolia  
**PROJECT LOCATION:** 5th & Magnolia, Oakland  
**DRILLING DATE:** ECA  
**DRILLING COMPANY:** May 8, 2017  
**LOGGED BY:** RLM

**DRILLING METHOD:** Direct push  
**SAMPLING METHOD:** Macrocorp  
**TOTAL WELL DEPTH (FT):** 2  
**WATER LEVEL AT TIME OF DRILLING (FT):** —  
**STATIC WATER LEVEL (FT):** —

WELL CONSTRUCTION	DEPTH (FT)	BLOW COUNTS	CORE INTERVAL (FT)	CORE RECOVERY (FT)	SAMPLE INTERVAL	SAMPLE ID	PID (PPMV)	USCS	SOIL DESCRIPTION
B-5	1		0.2	0.2		B-5-1.5 @ 1.325	(0.0)	SW	Asphalt gravelly sand, SW, 115% 3/2 v. dk grayish brown, fine grained to gravel (up to 30mm), slightly damp, loose
	2								
B-8	1		0.2	0.2		B-8-1.5 @ 1.425	(0.0)	SW/GW	Asphalt gravelly sand, SW/GW, 107% 3/2 v. dk gray to 3/2 v. dk grayish brown, fine-grained to gravel (20mm), slightly damp, loose
	2								

<b>BOREHOLE DIAMETER (INCHES):</b> <u>2.25</u>	<b>SLOTTED SCREEN SIZE (INCHES):</b>	<b>BENTONITE SEAL - WET (FT):</b> FROM TO
<b>BOREHOLE DEPTH (FT):</b> <u>2</u>	<b>SLOTTED SCREEN INTERVAL (FT):</b> FROM TO	<b>BENTONITE SEAL - DRY (FT):</b> FROM TO
<b>CASING MATERIAL:</b>	<b>SAND SIZE:</b>	<b>GROUT SEAL (FT):</b> FROM TO
<b>CASING DIAMETER (INCHES):</b>	<b>SAND PACK INTERVAL (FT):</b> FROM TO	<b>SURFACE WELL COMPLETION:</b>
<b>BLANK WELL CASING INTERVAL (FT):</b> FROM TO		