

ATTACHMENT B



SITE NAME: Wacker 10G-302 Wellhead							DATE: 7/18/2022	REM. PROJECT #:	WEATHER: 100 & sunny
SITE DIRECTIONS: From CR60 and 55.5 travel S.06 Mi, Turn West down dirt drive for approximately 2,000 ft							CLIENT: PDC		
LEGALS AND LAT/LONG: 40.416253, -104.543353							TASMAN PERSONNEL: David vigil		
SOIL TYPES: Clayey Sand							SURFACE GRADIENT: South		
SOIL SAMPLING							FACILITY INFRASTRUCTURE		
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity
							Above Ground Storage Tank (AST)		
7/18/2022 13:20	SB01 @ 0-6"	0.4	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel		
7/18/2022 13:40	SB02 @ 0-6"	0.0	No Staining	No Odor	Yes	Lab	Separator		
7/18/2022 13:55	SB03 @ 0-6"	0.0	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)		
7/18/2022 14:05	SB04 @ 0-6"	0.0	No Staining	No Odor	Yes	Lab	Dump Line		
7/18/2022 14:10	SB05 @ 0-6"	0.1	No Staining	No Odor	Yes	Lab	Wellhead		1
7/18/2022 14:20	BKG01 @ 0-6"	0.0	No Staining	No Odor	Yes	Lab	Flowline		
7/18/2022 14:25	GS01 @ 0-6"	0.0	No Staining	No Odor	No	Grab	Other:		
7/18/2022 14:30	GS02 @ 0-6"	0.0	No Staining	No Odor	No	Grab	Soil Loads Removed		
							IMPACTED SOIL IDENTIFIED?		
							ESTIMATED VOLUME OF IMPACTS:		
							Date	Number	CY
							Total Removed		0 0
							Disposal Facility:		
							Groundwater Recovery		
							DATE GW ENCOUNTERED:		DEPTH:
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?		
							LNAPL OR SHEEN OBSERVED ON GW?		
GROUNDWATER SAMPLING							Date		BBLS
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?			
							Total Removed		0
							Disposal Facility:		



Photographic Log



Equipment ID:Site overview

Equipment Type:

Material:

Volume:

Contents:

Notes/Conditions:Blue lines indicate estimated release extent. White arrow indicates direction of release/spray.



Equipment ID:SB01

Equipment Type:

Material:

Volume:



Contents:

Notes/Conditions:


Photographic Log

					
Equipment ID: SB02		Equipment Type:			
Material:	Volume:	Contents:			
Notes/Conditions:					
					
Equipment ID: SB03		Equipment Type:			
Material:	Volume:	Contents:			
Notes/Conditions:					

Photographic Log

													
Equipment ID: SB04			Equipment Type:			Equipment ID: SB05			Equipment Type:				
Material:			Volume:		Contents:		Material:			Volume:		Contents:	
Notes/Conditions:						Notes/Conditions:							

Photographic Log

											
						Equipment ID: <small>BKG01</small>		Equipment Type:			
						Material:	Volume:	Contents:	Material:	Volume:	Contents:
						Notes/Conditions:			Notes/Conditions:		

Attachment C

**TASMAN****Borehole Logging Form**

BOREHOLE ID: SBO1 : SITE NAME: Wacker 106-30 wellhead CLIENT NAME: PDC ENERGY

Date Completed: 9/21/22 Location: SW of excavation extent

Drilling Company: Tasman Surface Completion: NA DTW: NA TD: 1'

Type of Drill: HSA Geologist: San Anderson Project Manager: B.Nelson

Bit Size: 2 3/8" Logging Method:

Well Const. Material: Diameter: 1" Screen: Sch 40 PVC Slotted 0.010 Riser: Sch 40 PVC Blank

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	HA	100%	0.0	SBO1 1034	GW SC	0-6" = sandstone 1' = tan/grey, clayey sand, poorly sorted, fine-grained most, organic odor/no staining.
2							
3							*GW not encountered
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TASMAN

Borehole Logging Form

BOREHOLE ID: SB02	SITE NAME: Wacker 106-320 wellhead	CLIENT NAME: PDC ENERGY
Date Completed: 9/21/22	Location: South of excavation extent	
Drilling Company: Tasman	Surface Completion: NA	DTW: NA TD: 1'
Type of Drill: HSA	Geologist: San Anderson	Project Manager: B.Nelson
Bit Size: 2 3/8"	Logging Method:	

Well Const. Material: Diameter: 1" Screen: Sch 40 PVC Slotted 0.010 Riser: Sch 40 PVC Blank

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	HA	100%	0.0	SB02 c1' 1044	GW CL	0-6" = sand base 1' = tan/grey, sandy clay, poorly sorted, moderate plat, moist, no HK odor/staining.
2							
3							*Groundwater NOT encountered
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**TASMAN****Borehole Logging Form**

BOREHOLE ID: 5803		SITE NAME: Wacker 106-300 wellhead		CLIENT NAME: PDC ENERGY			
Date Completed: 9/21/22		Location: west of excavation extent					
Drilling Company: Tasman		Surface Completion: NA		DTW: NA	TD: 1'		
Type of Drill: HSA		Geologist: San Anderson		Project Manager: B. Nelson			
Bit Size: 2 3/8"		Logging Method:					
Well Const. Material: Diameter: 1" Screen: Sch 40 PVC Slotted 0.010 Riser: Sch 40 PVC Blank							
Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	HA	100%	0.0	SR03 c 1' 1053	GW SC	0-6" = sand base 1' = brown/tan, clayey sand, poorly sorted, fine-medium moist, no cobbles/grit.
2							
3							* Groundwater not encountered.
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**TASMAN****Borehole Logging Form**

BOREHOLE ID: SB04		SITE NAME: Wacker 104-30 wellhead		CLIENT NAME: PDC ENERGY			
Date Completed: 9/21/22		Location: Northwest of excavation extent					
Drilling Company: Tasman		Surface Completion: NA		DTW: NA TD: 1'			
Type of Drill: HSA		Geologist: San Anderson		Project Manager: B.Nelson			
Bit Size: 2 3/8"		Logging Method:					
Well Const. Material: Diameter: 1" Screen: Sch 40 PVC Slotted 0.010 Riser: Sch 40 PVC Blank							
Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	HA	100%	0.1	SB04C 1' 1105	GW SL	0-6" = sand base 0-1' = brown/tan, clayey sand, poorly sorted, fine-coarse grain, moist, no HC odor/stinky
2							
3							* groundwater not encountered
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**TASMAN****Borehole Logging Form****BOREHOLE ID:** S805 **SITE NAME:** Wacker 106-30 wellhead **CLIENT NAME:** PDC ENERGY**Date Completed:** 9/21/22 **Location:** West excavation extent**Drilling Company:** Tasman **Surface Completion:** N/A **DTW:** N/A **TD:** 1'**Type of Drill:** HSA **Geologist:** San Anderson **Project Manager:** B.Nelson**Bit Size:** 2 3/8" **Logging Method:****Well Const. Material:** Diameter: 1" **Screen:** Sch 40 PVC Slotted 0.010 **Riser:** Sch 40 PVC Blank

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	HA	100%	0.0	S805-P1 1120	GW SC	0-6" = sandstone 1' = tan/grey, sandy clay, poorly sorted, moderate plasticity, no list, no color staining.
2							
3							St. sandstone not encountered.
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**TASMAN****Borehole Logging Form**

BOREHOLE ID: SB06 : SITE NAME: Wacker 106-300 wellhead CLIENT NAME: PDC ENERGY

Date Completed: 9/21/22 Location: South east of excavation

Drilling Company: Tasman Surface Completion: N/A DTW: N/A TD: 0-6"

Type of Drill: HSA Geologist: San Anderson Project Manager: B. Nelson

Bit Size: 2 3/8" Logging Method:

Well Const. Material: Diameter: 1" Screen: Sch 40 PVC Slotted 0.010 Riser: Sch 40 PVC Blank

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	HA	100%	0.0	5806-0-6" 433	SC	6" = brown, clayey sand well sorted, fine grain, moist, organic odor.
2							
3							* Groundwater not encountered.
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**TASMAN****Borehole Logging Form****BOREHOLE ID:** SB07 **SITE NAME:** Wacker 104-302 wellhead **CLIENT NAME:** PDC ENERGY**Date Completed:** 9/21/22 **Location:** East of excavation**Drilling Company:** Tasman **Surface Completion:** NA **DTW:** NA **TD:** 0-6"**Type of Drill:** HSA **Geologist:** San Anderson **Project Manager:** B.Nelson**Bit Size:** 2 3/8" **Logging Method:****Well Const. Material:** Diameter: 1" **Screen:** Sch 40 PVC Slotted 0.010 **Riser:** Sch 40 PVC Blank

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	X	NA	100%	0.1	SB07-01" 1140	SC	0-6"=blown, clayey sand, well sorted, fine grain moist, organic odor / no staining.
2							
3							*Groundwater not encountered
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**TASMAN****Borehole Logging Form**

BOREHOLE ID: <u>SB08</u>		SITE NAME: <u>Wacker 106-300 wellhead</u>		CLIENT NAME: <u>PDC ENERGY</u>			
Date Completed: <u>9/21/22</u>		Location: <u>Northeast of excavation</u>					
Drilling Company: <u>Tasman</u>		Surface Completion: <u>N/A</u>		DTW: <u>N/A</u>		TD: <u>0-6"</u>	
Type of Drill: <u>HSA</u>		Geologist: <u>San Anderson</u>		Project Manager: <u>B. Nelson</u>			
Bit Size: <u>2 3/8"</u>		Logging Method:					
Well Const. Material: Diameter: <u>1"</u> Screen: <u>Sch 40 PVC Slotted 0.010</u> Riser: <u>Sch 40 PVC Blank</u>							
Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	<u>X</u>	<u>HA</u>	<u>100%</u>	<u>0.0</u>	<u>SB0820-6" 1st</u>	<u>SC</u>	<u>0-6" = Brown/gray, clayey sand, well sorted, fine grained, moist, organic odor / no staining.</u>
2							<u>* Gas hydrate not encountered.</u>
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