

ATTACHMENT B



Borehole Logging Form

BOREHOLE ID: SB01	SITE NAME: J. Nelson 33-23 WH	CLIENT NAME: PDC ENERGY
Date Completed: 12/19/23	Location: Source	
Drilling Company: Tasman	Surface Completion:	DTW: — TD: 8'
Type of Drill: Hand Auger	Geologist: RY	Project Manager: B. Nelson
Bit Size: 2 3/8"	Logging Method:	

Well Const. Material: **NA** Screen: **NA** Riser: **NA**

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100%; width: 100%;"></div> <div style="margin: 0 10px;"> ↑ NA ↓ </div> </div>	↑	↑	0.0		CL	0'-5' Brown, sandy clay, fine grain, well sorted, medium plasticity, dry, no odor.
2		↑	↑	0.0			
3		HA	100%	0.0	SB01@3'0A30		
4		↑	↑	0.0	SB01@4'0A31		
5		SC	↑	0.1	SB01@5'0A32		5'-8' Brown, clayey sand, fine grain, to medium grain, medium plasticity, dry, no odor.
6		↑	↑	0.0	SB01@6'0A33		
7		↑	↑	0.2	SB01@7'1130		
8		↑	↑	0.1	SB01@8'1131		
9							- Groundwater not encountered
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Borehole Logging Form

BOREHOLE ID: SBOZ SITE NAME: S. Nelson 33-23 WH CLIENT NAME: PDC ENERGY

Date Completed: 12/19/23 Location: N of source

Drilling Company: Tasman Surface Completion: _____ DTW: — TD: 8'

Type of Drill: Hand Auger Geologist: RY Project Manager: B. Nelson

Bit Size : 2 3/8" Logging Method: _____

Well Const. Material: NA Screen: NA Riser: NA

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description	
1	↑ NA ↓	↑	↑	0.0		CL	0'-6' Brown, sandy clay, fine grain, well sorted, medium plasticity, dry, no odor.	
2		HA	100%	0.0				
3					0.2	SBOZ@3'0940		
4					0.1	SBOZ@4'0941		
5					0.2	SBOZ@5'0942		
6					0.0	SBOZ@6'0943		0'-8' As above, low plasticity.
7					0.3	SBOZ@7'1140		
8					0.3	SBOZ@8'1141		
9							- Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: SB03	SITE NAME: J. Nelson 33-23 WH	CLIENT NAME: PDC ENERGY
Date Completed: 12/19/23	Location: W of source	
Drilling Company: Tasman	Surface Completion:	DTW: — TD: 8'
Type of Drill: Hand Auger	Geologist: RY	Project Manager: B. Nelson
Bit Size: 2 3/8"	Logging Method:	

Well Const. Material: **NA** Screen: **NA** Riser: **NA**

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description	
1	↑ NA ↓	↑	↑	0.0		CL	0'-6' Brown, sandy clay, fine grain, well sorted, medium plasticity, dry, no odor.	
2		HA	100%	0.0				
3					0.0	SB03@3'0150		
4					0.0	SB03@4'0451		
5					0.0	SB03@5'0952		
6					0.0	SB03@6'0453	SL	6'-8' Brown, clayey sand, fine to medium grain, poorly sorted, medium plasticity, dry, no odor.
7					0.0	SB03@7'1150		
8					0.0	SB03@8'1151		
9							- Groundwater not encountered.	
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Borehole Logging Form

BOREHOLE ID: SBO4	SITE NAME: J. Nelson 33-23 WH	CLIENT NAME: PDC ENERGY
Date Completed: 12/19/23	Location: S of source	
Drilling Company: Tasman	Surface Completion:	DTW: — TD: 8'
Type of Drill: Hand Auger	Geologist: RY	Project Manager: B. Nelson
Bit Size: 2 3/8"	Logging Method:	

Well Const. Material: **NA** Screen: **NA** Riser: **NA**

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	↑ NA ↓	↑	↑	0.1		OL	0'-8' Brown, sandy clay, fine grain, well sorted, low low plasticity, dry, no odor.
2		HA	100%	0.0			
3					0.0	SBO4E3'1000	
4					0.0	SBO4E4'1001	
5					0.2	SBO4E5'1002	
6					0.1	SBO4E6'1003	
7					0.2	SBO4E7'1200	
8					0.0	SBO4E8'1201	
9							-Groundwater not encountered.
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Borehole Logging Form

BOREHOLE ID: SB05	SITE NAME: J. Nelson 33-23 WH	CLIENT NAME: PDC ENERGY
Date Completed: 12/19/27	Location: E of source	
Drilling Company: Tasman	Surface Completion:	DTW: — TD: 8'
Type of Drill: Hand Auger	Geologist: RY	Project Manager: B. Nelson
Bit Size: 2 3/8"	Logging Method:	

Well Const. Material: **NA** Screen: **NA** Riser: **NA**

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description	
1	↑ NA ↓	↑	↑	0.0		CL	0'-6' Brown, sandy clay, fine grain, well sorted, low plasticity, dry, no odor.	
2		HA	100%	0.0				
3					0.1	SB05E3'100		
4					0.1	SB05E4'1011		
5					0.0	SB05E5'1012		
6					0.0	SB05E6'1017		6'-8' As above.
7					0.0	SB05E7'120		
8					0.0	SB05E8'1221		
9							-Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: BK60Z	SITE NAME: J. Nelson 33-23 WH	CLIENT NAME: PDC ENERGY
Date Completed: 12/19/23	Location: SE Background	
Drilling Company: Tasman	Surface Completion:	DTW: — TD: 8'
Type of Drill: Hand Auger	Geologist: RY	Project Manager: B. Nelson
Bit Size: 2 3/8"	Logging Method:	

Well Const. Material: NA Screen: NA Riser: NA

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description	
1	↑ NA ↓	↑	↑	0.0		SP	0'-5' Tan, sand, fine grain, well sorted, trace gravel, dry, no odor.	
2				0.1				
3		HA	(100%)	0.0	BK60Z03'1020			
4					0.0	BK60Z04'1071		
5					0.0	BK60Z05'1022		5'-6' As above, no gravel.
6					0.0	BK60Z06'1023	CL	6'-8' Brown, sandy clay, fine grain, well sorted, low plasticity, dry, no odor.
7					0.0	BK60Z07'1240		
8					0.0	BK60Z08'1141		
9							- Groundwater not encountered.	
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Borehole Logging Form

BOREHOLE ID: **BK603** SITE NAME: **J. Nelson 33-23 WH** CLIENT NAME: **PDC ENERGY**

Date Completed: **12/19/23** Location: **NE of ~~farm~~ Background**

Drilling Company: **Tasman** Surface Completion: DTW: **—** TD: **8'**

Type of Drill: **Hand Auger** Geologist: **RT** Project Manager: **B. Nelson**

Bit Size: **2 3/8"** Logging Method:

Well Const. Material: **NA** Screen: **NA** Riser: **NA**

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description	
1	↑ NA ↓	↑	↑	0.0		SP	0'-6' Tan, sand, fine grain, well sorted, dry, no odor.	
2		HA	100%	0.0				
3					0.0	BK603E2'1030		
4					0.0	BK603E4'1031		
5					0.0	BK603E5'1032		
6					0.1	BK603E6'1033	LL	6'-8' Brown, sandy clay, fine grain, well sorted, low plasticity, dry, no odor.
7					0.0	BK603E7'1034		
8					0.1	BK603E8'1035		
9							- Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: BK604 **SITE NAME:** J. Nelson 33-23 WH **CLIENT NAME:** PDC ENERGY
Date Completed: 12/19/23 **Location:** N Background
Drilling Company: Tasman **Surface Completion:** **DTW:** — **TD:** 8'
Type of Drill: Hand Auger **Geologist:** RT **Project Manager:** B. Nelson
Bit Size: 2 3/8" **Logging Method:**

Well Const. Material: NA **Screen:** NA **Riser:** NA

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	↑ NA ↓	↑	↑	0.0		CU	0-8' Brown, sandy clay, fine grain, well sorted, low plasticity, dry, no odor.
2				0.1			
3		NA	100%	0.0	BK604E3'1040		
4				0.0	BK604E4'1041		
5				0.0	BK604E5'1042		
6				0.0	BK604E6'1043		
7				0.0	BK604E7'1044		
8				0.0	BK604E8'1045		
9							- groundwater not encountered
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TASMAN

Borehole Logging Form

BOREHOLE ID: BK605	SITE NAME: J. Nelson 33-23 WH	CLIENT NAME: PDC ENERGY
Date Completed: 12/19/23	Location: W Background	
Drilling Company: Tasman	Surface Completion:	DTW: — TD: 8'
Type of Drill: Hand Auger	Geologist: RT	Project Manager: B. Nelson
Bit Size : 2 3/8"	Logging Method:	

Well Const. Material: NA Screen: NA Riser: NA

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1	↑ NA ↓	↑	↑	0.0		SP	0'-2' Brown sand, fine grain, well sorted, dry, no odor.
2				0.0			
3		HA	100%	0.0	BK605@3'1100	CL	3'-8' Brown. clay sandy clay, fine grain, well sorted, low plasticity, dry, no odor.
4				0.0	BK605@4'1101		
5				0.0	BK605@5'1102		
6				0.0	BK605@6'1103		
7				0.0	BK605@7'1104		
8				0.0	BK605@8'1105		
9							- Groundwater not encountered
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