

Attachment B



Borehole Logging Form

BOREHOLE ID: SBO1 SITE NAME: Wells Ranch 42-30 CLIENT NAME: PDC ENERGY
 Date Completed: 12/8/2022 Location: Source
 Drilling Company: Tusman Surface Completion: DTW: NA TD: 8'
 Type of Drill: Hand auger Geologist: C. Joniak Project Manager: B. Nelson
 Bit Size: 2 3/8" Logging Method: Grout

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	NA	▲	▲	0.0		SM	(0-8") Tan. Silty sand, fine grain well sorted, dry, nodular
2				0.0			
3				0.0			
4		HA	100	0.0			
5				0.0			
6				0.0		SBO1@5' 1045	
7				0.0		SBO1@7' 1050	
8				0.0		SBO1@8' 1055	
9							Groundwater not encountered
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Borehole Logging Form

BOREHOLE ID: SB02 SITE NAME: Wells Ranch 42-70 CLIENT NAME: PDC ENERGY

Date Completed: 12/8/2022 Location: N of Source

Drilling Company: Tusman Surface Completion: DTW: NA TD: 9'

Type of Drill: Hand auger Geologist: C. Tanjakt 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	NA	△	△	0.0		SM	(0'-8') Tan, silty sand, fine grained well sorted, dry to moist
2				0.0	SB02@2.5' 1105		
3				0.0			
4		HA	100	0.0	SB02@4' 1110		
5				0.0	SB02@5' 1115		
6				0.0	SB02@6' 1120		
7				0.0	SB02@7' 1125		
8		△	△	0.0	SB02@8' 1130		
9							Groundwater not encountered
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Borehole Logging Form

BOREHOLE ID: SB03 **SITE NAME:** Wells Ranch 42-30 **CLIENT NAME:** PDC ENERGY
Date Completed: 12/19/2022 **Location:** E of source
Drilling Company: Tasman **Surface Completion:** **DTW:** NA **TD:** 8
Type of Drill: Hand Oper **Geologist:** C. Tarjant **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	NA	HA	78	0.0		SM	10-4" Brown, Silty Sand, fine grained, well sorted, med.	
2				0.0	SB03A 2.5' 1140			
3				0.0		SM	(4'-8') as above, tan	
4			HA	100	0.0	SB03A 4' 1145		
5					0.0	SB03A 5' 1150		
6					0.0	SB03A 6' 1155		
7					0.0	SB03A 7' 1200		
8					0.0	SB03A 8' 1205		
9							Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: SB04 **SITE NAME:** Wells Ranch 42-30 **CLIENT NAME:** PDC ENERGY
Date Completed: 12/8/2023 **Location:** S of source
Drilling Company: Tasman **Surface Completion:** **DTW:** NA **TD:** 8'
Type of Drill: Hand auger **Geologist:** C. Tonjaat **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	NA	▲	▲	0.0		SW	(0'-4') Brown, sand, med. vm - fine grain, poorly sorted, dry, no odor
2				0.0	SB04(2) 5' 1109		
3				C.O			
4		HA	100	0.0	SB04(4) 4' 1114	SM	(4'-7') Tan, silty sand, fine grain well sorted, dry, no odor
5				0.0	SB04(5) 1119		
6				0.0	SB04(6) 1124		
7				0.0	SB04(7) 1129	SM	(7'-8') as above, brown
8			▼	▼	0.0	SB04(8) 1134	
9							Groundwater not encountered
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Borehole Logging Form

BOREHOLE ID: SB05 SITE NAME: Wells Ranch 42-30 CLIENT NAME: PDC ENERGY

Date Completed: 12/18/2022 Location: Source

Drilling Company: Tasman Surface Completion: DTW: NA TD: 8'

Type of Drill: Hand auger Geologist: C. Jankak 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	NA	▲	▲	0.0		SM	(0'-8') lag silty sand, fine grain well sorted, dry, no clay
2				0.0			
3				0.0			
4		HA	100	0.0			
5				0.0			
6				0.0		SB0506 1044	
7				0.0		SB0507 1044	
8			▼	▼	0.0	SB0508 1054	
9							Groundwater not encountered
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Borehole Logging Form

BOREHOLE ID: SB06 SITE NAME: Wells Ranch 42-30 CLIENT NAME: PDC ENERGY

Date Completed: 12/8/2022 Location: N^o source

Drilling Company: Tasman Surface Completion: DTW: NA TD: 8'

Type of Drill: Hand auger Geologist: C. Tan, UK 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	NA	▲	▲	0.0		SM	(0'-4') Brown, silty sand, fine grain well sorted, dry, no odor	
2				0.0	SB06@ 2.5'			
3				0.0	1126			
4		HA		100	0.0	SB06@ 4'	SM	(4'-8') as above, Tan
5					0.0	1131		
6					0.0	SB06@ 5'		
7					0.0	1136		
8		▲	▲	▲	0.0	SB06@ 6'		
9							Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: SBO7 **SITE NAME:** Wells Ranch 42-30 **CLIENT NAME:** PDC ENERGY
Date Completed: 12/8/2022 **Location:** W of source
Drilling Company: Tasman **Surface Completion:** DTW: NA TD: 0'
Type of Drill: Hand ariser **Geologist:** C. York **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	NA	△	△	0.0		SM	(0'-8") Tan, silty sand fine grained, well sorted, dry, no odor.	
2				0.0	SBO7@2.5' 1043			
3				0.0				
4		HA		100	0.0	SBO7@4' 1048		
5					0.0	SBO7@5' 1053		
6					0.0	SBO7@6' 1058		
7					0.0	SBO7@7' 1103		
8			△	△	0.0	SBO7@8' 1108		
9							Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: S808 **SITE NAME:** Well's Ranch 42-30 **CLIENT NAME:** PDC ENERGY
Date Completed: 12/18/2022 **Location:** S of Source
Drilling Company: Tasman **Surface Completion:** **DTW:** NA **TD:** 8'
Type of Drill: Hand auger **Geologist:** C. J. O'Neil **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	NA	HA	100	0.0		SM	10'-0" Tan, silty sand, fine grad, well sorted, dry, no oil
2				0.0	S808@2.5'		
3				0.0	1157		
4				0.0	S808@4'		
5				0.0	1202		
6				0.0	S808@5'		
7				0.0	1207		
8				0.0	S808@7'		
				0.0	1217	SW	8'-0" (6'-8") Tan sand, fine to medium grain, poorly sorted, dry, no oil
8				0.0	S808@8'		
9							Groundwater not encountered
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Borehole Logging Form

BOREHOLE ID: BK604 **SITE NAME:** Wells Run 42-30 **CLIENT NAME:** PDC ENERGY
Date Completed: 12/8/2022 **Location:** NW of Service
Drilling Company: Tasman **Surface Completion:** **DTW:** NA **TD:** 8'
Type of Drill: Hand Auger **Geologist:** C. J. J. **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	NA	↑	↑	0.0		SM	(0'-6") Tan, silty sand. Fine grain well sorted, dry, no odor	
2				0.0	BK604@2' 1218			
3				0.0				
4		HA	100	0.0	BK604@4' 1222			
5					0.0	BK604@5' 1227		
6					0.0	BK604@6' 1232	SW	(6'-8") Tan, silty med to fine grain, poorly sorted, dry, no odor
7					0.0	BK604@7' 1237		
8			↓	↓	0.0	BK604@8' 1242		
9							* Groundwater not encountered	
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Borehole Logging Form

BOREHOLE ID: BK505 **SITE NAME:** ~~Wells~~ Ranch 42-30 **CLIENT NAME:** PDC ENERGY
Date Completed: 12/8/2022 **Location:** NW of source
Drilling Company: Tasman **Surface Completion:** **DTW:** NA **TD:** 9'
Type of Drill: Hand Auger **Geologist:** C. J. O'Neil **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	NA	△	△	0.0		SM	(0-8") Tan, silty sand, fine grained well sorted, dry, no cohesion
2				0.0	BK505@2.5'		
3				0.0	1220		
4		HA	100	0.0	BK505@4'		
5				0.0	1225		
6				0.0	BK505@5'		
7				0.0	1230		
8				0.0	BK505@6'		
9				1235			
10				BK505@7'			
11				1240			
12				BK505@8'			
13				1245			
14							Groundwater not encountered
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