

ERM Environmental Resources Management

Boring/Well No.: JLS-2

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, LA Coordinates: 653694, 3321816

Surface Elev.: NM Boring T.D.: 56' bml Boring Dia.: 3.25"

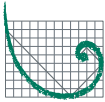
Date Started: 2/3 & 2/8/2021 Date Completed: 2/3 & 2/8/2021 Well Dia./Materials: NA

Drilling Company: Walker Hill Driller: Jack Womble

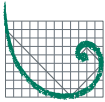
Drilling Method: Russian Peat Borer (0-8'; 2/8/21) & Direct Push - Geoprobe 7822DT on barge (0-56'; 2/3/21) Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, PG Soil Sample Method: Acetate Liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0		2.0/2.0	NA	NA	0-2	0-2': CLAY: clayey muck, dark gray, wet, no odor to slight odor, organic material, rootlets (no recovery from Geoprobe 0-4')
		2.0/2.0	NA	NA	2-4	2-4': CLAY: clayey muck, dark gray, wet, slight odor to odor, organic material, rootlets, black staining (no recovery from Geoprobe 0-4')
5		2.0/2.0	NA	NA	4-6	4-6': CLAY: clayey muck, dark gray, wet, odor, black staining, organic material, rootlets (no recovery from Geoprobe 4-8')
		1.0/1.0	NA	NA	6-7	6-7': CLAY: clayey muck, dark gray, odor, black staining, organic material (no recovery from Geoprobe 4-8')
		1.0/1.0	NA	NA	7-8	7-8': PEAT: organic material, wood, not visually impacted (no recovery from Geoprobe 4-8')
10		0.0/4.0	NA	NA	8-12	8-12': NO RECOVERY
15		0.0/4.0	NA	NA	12-16	12-16': NO RECOVERY
		0.0/4.0	NA	NA	16-20	16-20': NO RECOVERY
20		0.7/4.0	Middle: 12.18	20-22' 8.8	20-24	20-20.7': CLAY: dark gray (5Y, 4/1), very soft, moist, no odor, rare rootlets 20.7-24': NO RECOVERY
				22-24 NA		
25		1.6/4.0	Middle: 5.75	24-28' 3.2	24-28	24-25.6': CLAY: dark gray (5Y, 4/1), very soft, moist, no odor 25.6-28': NO RECOVERY
				28-30' 7.2 30-32' 10.7		
30		3.9/4.0	Top: 3.70 Bottom: 2.49	28-30' 7.2 30-32' 10.7	28-32	28-31.9': CLAY: dark gray (5Y, 4/1), very soft, moist, no odor, few shells - whole



DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30						(Cont. from page 1)
		3.9/4.0	Top: 3.70 Bottom: 2.49	28-30' 7.2 30-32' 10.7	28-32	28-31.9': CLAY: dark gray (5Y, 4/1), very soft, moist, no odor, few shells - whole 31.9-32': NO RECOVERY
35		4.0/4.0	Top: 2.27 Bottom: 2.20	32-34' 6.6 34-36' 11.1	32-36	32-36': CLAY: dark gray (5Y, 4/1), soft, moist, no odor
40		1.6/4.0	Top: 1.71 Bottom: 2.12	36-40' 8.0	36-40	36-36.3': CLAYEY SILT: dark gray (5Y, 4/1), soft, wet, no odor 36.3-37.6': CLAY: dark gray (5Y, 4/1), medium soft to stiff, moist, no odor 37.6-40': NO RECOVERY
45		3.0/4.0	Top: 2.38 Bottom: 1.46	40-42' 10.4 42-44' 11.2	40-44	40-43': CLAY: dark gray (5Y, 4/1), medium soft to stiff, moist, no odor, clayey silt lense at 40.5-40.8' bml - wet 43-44': NO RECOVERY
50		4.0/4.0	Top: 0.89 Bottom: 0.97	44-46' 12.8 46-48' 12.7	44-48	44-45.8': SILT: dark gray (5Y, 4/1), firm, wet to saturated, no odor, very little fine grain sand 45.8-46.6': CLAY: dark gray (5Y, 4/1), medium soft to stiff, moist, no odor, little silt 46.6-48': SILT: dark gray (5Y, 4/1), firm wet, no odor, very little clay content
55		4.0/2.0	Top: 0.79 Bottom: 1.02	48-50' 15.0	48-50	48-49': CLAYEY SILT: dark gray (5Y, 4/1), medium soft, wet to slightly wet, no odor, 49-50': SILT: dark gray (5Y, 4/1), firm, slightly wet, no odor, little fine grain sand
		2.0/2.0	Middle: 0.91	50-52' 8.6	50-52	50-51': SANDY SILT: dark gray (5Y, 4/1), firm, wet, no odor 51-52': CLAYEY SILT: to SILT, dark gray (5Y, 4/1), firm, wet
		1.0/2.0	Middle: 0.39	52-54' 14.3	52-54	52-53': SILTY SAND: dark gray (5Y, 4/1) to gray (5Y, 5/1), medium dense, wet, no odor 53-54': NO RECOVERY
60		2.0/2.0	Middle: 1.37	54-56' 9.7	54-56	54-56': SILTY SAND: dark gray (5Y, 4/1), medium dense, wet, no odor (stuck in liner)
65						



ERM Environmental Resources Management

Boring/Well No.: JLS-10

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, LA Coordinates: 653491, 3321808

Surface Elev.: NM Boring T.D.: 36' bgs Boring Dia.: 2.25"

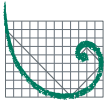
Date Started: 7/29/2020 Date Completed: 7/29/2020 Well Dia./Materials: 0.75" PVC - Temp

Drilling Company: ICON Driller: Dylon White

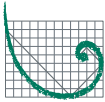
Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

Logged by: Jody Shugart, PG Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0							0-0.4': SILTY CLAY: gray, iron stained mottling, damp, firm 0.4-4': NO RECOVERY
0.4/4.0			0.4/4.0	1.27	NA	0-4	
5							4-8': NO RECOVERY
0.0/4.0			0.0/4.0	NA	NA	4-8	
10							8-12': NO RECOVERY
0.0/4.0			0.0/4.0	NA	NA	8-12	
12-14'							12-14': PEAT: brown, wet
4.0/4.0			4.0/4.0	Top: 1.93 Bottom: 1.62	NA	12-16	14-15.2': PEATY CLAY: gray, soft, moist, 15.2-16': PEAT: some wood, very dark brown, wet, spongy
16-16.9'							16-16.9': PEAT: some wood, very dark brown, wet, spongy
3.0/4.0			3.0/4.0	Top: 1.60 Bottom: 1.65	NA	16-20	16.9-19': SILTY CLAY: gray, soft 19-20': NO RECOVERY
20-23'							20-23': SILTY CLAY: gray, soft
3.8/4.0			3.8/4.0	Top: 1.85 Bottom: 1.57	NA	20-24	23-23.8': CLAYEY SILT: wet, gray 23.8-24': NO RECOVERY
24-27'							24-27': SANDY SILT: saturated, gray
4.0/4.0			4.0/4.0	Top: 1.41 Bottom: 1.78	NA	24-28	27-28': CLAYEY SILT: gray, some sand
28-30.1'							28-30.1': CLAYEY SILT: gray, some sand
4.0/4.0			4.0/4.0	Top: 1.74 Bottom: 0.94	NA	28-32	



DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30			4.0/4.0	Top: 1.74 Bottom: 0.94	NA	28-32	(Cont. from page 1) 28-30.1': CLAYEY SILT: gray, some sand 30.1-32': SILT: saturated, gray
35			4.0/4.0	Top: 1.33 Bottom: 1.55	NA	32-36	32-33': SILTY CLAY: gray, moist 33-36': CLAY: gray, firm, damp
40							
45							
50							
55							
60							
65							



ERM Environmental Resources Management

Boring/Well No.: JLS-11

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, LA Coordinates: 653693, 3321794

Surface Elev.: NM Boring T.D.: 32' bgs Boring Dia.: 2.25"

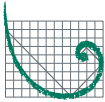
Date Started: 7/30/2020 Date Completed: 7/30/2020 Well Dia./Materials: 3/4" PVC - Temp

Drilling Company: ICON Driller: Dylon White

Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

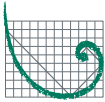
Logged by: Jody Shugart, PG Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0			1.0/4.0	5.46	0-4': 0.3	0-4	0-1': CLAY: gray-brown, damp, firm, peat lense at 0.3' - black 1-4': NO RECOVERY
5			0.7/4.0	10.28	4-8': 0.4	4-8	4-4.7': CLAY: gray, damp, medium soft 4.7-8': NO RECOVERY
10			0.6/4.0	16.14	8-12': 0.2	8-12	8-8.6': CLAY: dark gray, damp, soft 8.6-12': NO RECOVERY
15			0.0/4.0	NA	NA	12-16	12-16': NO RECOVERY
20			0.0/4.0	NA	NA	16-20	16-20': NO RECOVERY
25			1.0/4.0	OR	20-24': 0.4	20-24	20-21': CLAY: gray, moist, soft to very soft 21-24': NO RECOVERY
25			1.6/4.0	Top: OR Bottom: OR	24-28': 0.2	24-28	24-24.8': SILTY CLAY: dark gray, saturated, very soft 24.8-25.6': CLAY: dark gray, moist, soft 25.6-28': NO RECOVERY
30			2.3/4.0	OR	28-30': 0	28-32	28-30.3': SILT: dark gary, wet/saturated, very soft, 29.7-30.3' total saturated



Project No.: 0519829 Date Drilled: 7/30/2020

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30			2.3/4.0	OR	30-32': 0	28-32	(Cont. from page 1) 28-30.3': SILT: dark gray, wet/saturated, very soft, 29.7-30.3' total saturated 30.3-32': NO RECOVERY
35							
40							
45							
50							
55							
60							
65							



ERM Environmental Resources Management

Boring/Well No.: JLS-12

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, Louisiana Coordinates: 653744, 3321646

Surface Elev.: NM Boring T.D.: 48' bgs Boring Dia.: 2.25"

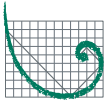
Date Started: 8/3/2020 Date Completed: 8/3/2020 Well Dia./Materials: NA

Drilling Company: ICON Driller: Dylon White

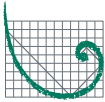
Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, P.G. Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0					
		1.4/4.0	3.31	0-4	0-1.4': CLAY: very dark gray (5Y, 3/1), medium soft, moist, no odor, little organic material - peat, very little silt content 1.4-4': NO RECOVERY
5					
		1.4/4.0	5.37	4-8	4-5.4': CLAY: dark gray (GLEYS 1, 4/N), medium soft to stiff, moist, no odor 5.4-8': NO RECOVERY
10					
		1.1/4.0	16.03	8-12	8-9.1': PEAT: with clay, very dark grayish brown (10YR, 3/2), soft, moist to slightly wet, no odor 9.1-12': NO RECOVERY
15					
		0.0/4.0	NA	12-16	12-16': NO RECOVERY
20					
		1.3/4.0	OR	16-20	16-17.3': CLAY: very dark gray (5Y, 3/1), medium soft, moist, no odor, little peat at top, some organic material 17.3-20': NO RECOVERY
25					
		4.0/4.0	Top: OR Bottom: OR	20-24	20-24': CLAY: very dark gray (5Y, 3/1), soft, moist, no odor
30					
		0.7/4.0	18	24-28	24-24.7': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 24.7-28': NO RECOVERY
		0.6/4.0	4.56	28-32	28-28.6': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little silt content 28.6-32': NO RECOVERY



DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30					(Cont. from page 1)
		0.6/4.0	4.56	28-32	28.6-32': NO RECOVERY
		0.0/4.0	NA	32-36	32-36': NO RECOVERY
		0.9/4.0	1.67	36-40	36-36.9': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little silt content 36.9-40': NO RECOVERY
		0.8/4.0	1.49	40-44	40-40.8': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little silt content 40.8-44': NO RECOVERY
		1.9/4.0	Top: 1.52 Bottom: 1.10	44-48	44-44.5': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 44.5-45.9': CLAYEY SILT: dark gray (5Y, 4/1), medium soft, slightly wet to wet, increasing clay content at bottom 45.9-48': NO RECOVERY
50					
55					
60					
65					



ERM Environmental Resources Management

Boring/Well No.: JLS-13

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, Louisiana Coordinates: 653738, 3321492

Surface Elev.: NM Boring T.D.: 48' bgs Boring Dia.: 2.25"

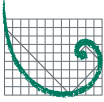
Date Started: 8/4/2020 Date Completed: 8/4/2020 Well Dia./Materials: NA

Drilling Company: ICON Driller: Dylon White

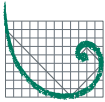
Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, P.G. Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0		1.3/4.0	3.7	0-4': 0.0	0-4	0-1.3': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, some organics, little silt content, wood at bottom 1.2-1.3' bgs 1.3-4': NO RECOVERY
5		2.0/4.0	Top: 4.41 Bottom: 5.29	4-6': 0.0 6-8': 0.2	4-8	4-5.8': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor, some wood at top 5.8-6': PEAT: very dark brown (10YR,2/2), soft, wet, no odor 6-8': NO RECOVERY
10		3.2/4.0	Top: 7.69 Bottom: 8.81	8-10': 0.1 10-12': 0.0	8-12	8-11.2': PEATY CLAY: very dark brown (10YR, 2/2) to very dark grayish brown (10YR, 3/2), medium soft, moist to slightly wet, no odor, decreasing peat content at 9.2-10.1' bgs, little silt content at bottom, wood pieces at 9.0' bgs 11.2-12': NO RECOVERY
15		0.0/4.0	NM	12-14': NM 12-14': NM	12-16	12-16': NO RECOVERY
20		0.0/4.0	NM	16-18': NM 18-20': NM	16-20	16-20': NO RECOVERY
25		2.0/4.0	Top: 5.36 Bottom: 4.79	20-22': 0.0 22-24': 0.0	20-24	20-22': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, little organic material/wood fragments 22-24': NO RECOVERY
30		3.7/4.0	Top: 3.70 Bottom: 2.64	24-26': 0.0 26-28': 0.0	24-28	24-27.7': CLAY: dark gray (5Y, 4/1), soft, moist, no odor, little silt content, few silt lenses, some organic material/wood fragments 27.7-28': NO RECOVERY
30		4.0/4.0	Top: 2.43 Bottom: 1.98	28-30': 0.0 30-32': 0.0	28-32	28-32': CLAY: dark gray (5Y, 4/1), soft to medium soft, moist, no odor, little silt content



DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30						(Cont. from page 1)
		4.0/4.0	Top: 2.43 Bottom: 1.98	28-30': 0.0 30-32': 0.0	28-32	28-32': CLAY: dark gray (5Y, 4/1), soft to medium soft, moist, no odor, little silt content
		2.2/4.0	Top: 1.46 Bottom: 1.57	32-34': 0.0 34-36': 0.0	32-36	32-34.2': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, few shell fragments, very little silt content 34.2-36': NO RECOVERY
		2.2/4.0	Top: 1.66 Bottom: 1.43	36-38': 0.0 38-40': 0.0	36-40	36-38.2': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little silt content, couple silt lenses 38.2-40': NO RECOVERY
		4.0/4.0	Top: 1.76 Bottom: 1.37	40-42': 0.0 42-44': 0.0	40-44	40-41.5': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, little silt content, very few shell fragments 41.5-44': CLAYEY SILT: dark gray (5Y, 4/1), soft, slightly wet to wet, no odor
		4.0/4.0	Top: 1.59 Bottom: 1.50	44-46': 0.0 46-48': 0.0	44-48	44-45.8': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, some silt content 45.8-48': CLAYEY SILT: dark gray (5Y, 4/1), medium soft, slightly wet to wet in spots, no odor
50						
55						
60						
65						



ERM Environmental Resources Management

Boring/Well No.: JLS-14

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, Louisiana Coordinates: 653059, 3321514

Surface Elev.: NM Boring T.D.: 48' bgs Boring Dia.: 2.25"

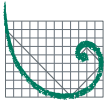
Date Started: 8/5/2020 Date Completed: 8/5/2020 Well Dia./Materials: 0.75" PVC - Temporary

Drilling Company: ICON Driller: Dylon White

Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

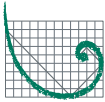
Logged by: R. Charles Trahan, P.G. Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0			2.8/4.0	Top: 1.07 Bottom: 1.45	0-2': 0.7 2-4': 0.7	0-4	0-2.8': CLAY: dark gray (5Y, 4/1), medium soft to soft, moist, no odor, little silt content, little organic material/muck 2.8-4': NO RECOVERY
5			1.4/4.0	1.69	4-8': 0.8	4-8	4-5.4': CLAY: gray (5Y, 5/1), medium soft to soft at bottom, moist, no odor, muck/organics at 1.1' to bottom 5.4-8': NO RECOVERY
10			1.9/4.0	1.5	8-12': 0.6	8-12	8-9.9': CLAY: with peat, very dark grayish brown (10YR, 3/2), medium soft, moist, no odor, few wood pieces 9.9-12': NO RECOVERY
15			0.0/4.0	NM	12-14': NM 12-14': NM	12-16	12-16': NO RECOVERY
20			1.0/4.0	1.65	16-20': 1.6	16-20	16-17': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, some peat/organic material at top 17-20': NO RECOVERY
25			4.0/4.0	Top: 1.84 Bottom: 1.83	20-22': 0.5 22-24': 0.5	20-24	20-24': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, piece of wood at 20.4-20.5' and 20.7' bgs
25			2.7/4.0	Top: 1.56 Bottom: 1.38	24-26': 0.7 26-28': 0.6	24-28	24-26.7': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 26.7-28': NO RECOVERY
30			4.0/4.0	Top: 1.71 Bottom: 1.38	28-30': 0.4 30-32': 0.5	28-32	28-32': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little wood pieces at 30.7' bgs
30							



Project No.: 0519829 Date Drilled: 8/5/2020

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30			4.0/4.0	Top: 1.71 Bottom: 1.38	28-30': 0.4 30-32': 0.5	28-32	(Cont. from page 1) 28-32': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little wood pieces at 30.7' bgs
35			4.0/4.0	Top: 1.79 Bottom: 1.67	32-34': 1.2 34-36': 1.6	32-36	32-36': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, shell/shell fragments at 30.3-30.7' and 33.5' bgs, wood pieces at 32.5-32.7' bgs
40			4.0/4.0	Top: 1.53 Bottom: 1.39	36-38': 2.1 38-40': 0.3	36-40	36-40': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor
45			1.6/4.0	1.56	40-44': 0.4	40-44	40-41.4': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor 41.4-41.6': SILT: gray (GLEY 1, 5/N), firm, wet, no odor 41.6-44': NO RECOVERY
45			0.4/4.0	0.65	44-48': 0.6	44-48	44-44.4': SILT: gray (GLEY 1, 5/N), firm, wet, no odor 44.4-48': NO RECOVERY
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ERM Environmental Resources Management

Boring/Well No.: JLS-15

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, Louisiana Coordinates: 653080, 3321617

Surface Elev.: NM Boring T.D.: 48' bgs Boring Dia.: 2.25"

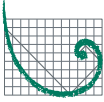
Date Started: 8/6/2020 Date Completed: 8/6/2020 Well Dia./Materials: NA

Drilling Company: ICON Driller: Dylon White

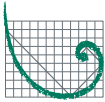
Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, P.G. Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0		1.9/4.0	1.47	0-4': 0.5	0-4	0-1.9': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, little organic material 1.9-4': NO RECOVERY
5		2.1/4.0	Top: 1.88 Bottom: 1.29	4-6': 0.5 6-8': 0.8	4-8	4-4.7': CLAY: gray (GLEYS 1, 5/N), medium soft, moist, no odor, very little organic material 4.7-6.1': PEAT: very dark grayish brown (10YR, 3/2), medium soft, moist, no odor 6.1-8': NO RECOVERY
10		1.5/4.0	1.4	8-12': 0.5	8-12	8-8.6': WOOD 8.6-9.5': CLAYEY PEAT: very dark grayish brown (10YR, 3/2), medium soft, moist, no odor 9.5-12': NO RECOVERY
15		1.7/4.0	2.06	12-16': 1.5	12-16	12-13.2': PEAT: very dark grayish brown (10YR, 3/2), soft, wet to slightly wet, no odor, some wood pieces 13.2-13.7': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 13.7-16': NO RECOVERY
20		1.5/4.0	1.89	16-20': 0.7	16-20	16-17.5': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little organic fragments 17.5-20': NO RECOVERY
25		4.0/4.0	Top: 1.86 Bottom: 1.78	20-22': 0.6 22-24': 0.5	20-24	20-24': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor
25		4.0/4.0	Top: 1.79 Bottom: 1.74	24-26': 0.7 26-28': 0.4	24-28	24-28': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor
30		4.0/4.0	Top: 1.21 Bottom: 1.70	28-30': 0.8 30-32': 0.6	28-32	28-32': CLAY: dark gray (5Y, 4/1), medium soft to soft, moist, no odor



DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION			
30		4.0/4.0	Top: 1.21 Bottom: 1.70	28-30': 0.8 30-32': 0.6	28-32	(Cont. from page 1) 28-32': CLAY: dark gray (5Y, 4/1), medium soft to soft, moist, no odor			
35						Top: 1.77 Bottom: 1.44	32-34': 1.0 34-36': 0.8	32-36	32-36': CLAY: dark gray (GLEY 1, 4/N), medium soft to stiff, moist, no odor, shell/shell fragments, some wood pieces at top
40						Top: 1.79 Bottom: 1.66	36-38': 0.8 38-40': 0.7	36-40	36-40': CLAY: dark gray (GLEY 1, 4/N), medium soft to stiff, moist, no odor
45						Top: 1.83 Bottom: 1.64	40-42': 0.8 42-44': 0.7	40-44	40-44': CLAY: dark gray (GLEY 1, 4/N), medium soft to stiff, moist, no odor, clayey silt at 42.0-42.4' bgs, 42.8-43.0' bgs, shell fragments at 41.9' bgs
50						Top: 2.46 Bottom: 1.78	44-46': 0.7 46-48': 0.7	44-48	44-48': CLAY: dark gray (GLEY 1, 4/N), medium soft to stiff, moist, no odor
55									
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65									



ERM Environmental Resources Management

Boring/Well No.: JLS-16

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, Louisiana Coordinates: 653120, 3321820

Surface Elev.: NM Boring T.D.: 48' bgs Boring Dia.: 2.25"

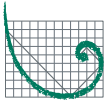
Date Started: 8/6/2020 Date Completed: 8/6/2020 Well Dia./Materials: NA

Drilling Company: ICON Driller: Dylon White

Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

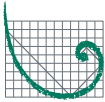
Logged by: R. Charles Trahan, P.G. Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0					0-1.4': CLAY: dark gray (5Y, 4/1), medium soft to soft, moist, no odor, some organic material
1.4		1.4/4.0	1.62	0-4	1.4-4': NO RECOVERY
5					4-6': CLAY: gray (5Y, 5/1), stiff to medium soft, moist, no odor, some organic material/peat @ 5.7-6.0' bgs
2.3		2.3/4.0	Top: 1.64 Bottom: 1.44	4-8	6-6.3': WOOD 6.3-8': NO RECOVERY
8					8-12': NO RECOVERY
10		0.0/4.0	NM	8-12	
12					12-16': NO RECOVERY
15		0.0/4.0	NM	12-16	
16					16-20': NO RECOVERY
20					20-20.7': CLAY: dark gray (5Y, 4/1), soft, moist, no odor, organic material at top
20.7		0.7/4.0	1.38	20-24	20.7-24': NO RECOVERY
24					24-24.6': CLAY: dark gray (5Y, 4/1), soft, most, no odor
24.6		0.6/4.0	1.48	24-28	24.6-28': NO RECOVERY
28					28-30.1': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor
30		2.1/4.0	1.35	28-32	



Project No.: 0519829 Date Drilled: 8/6/2020

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30		2.1/4.0	1.35	28-32	(Cont. from page 1) 28-30.1': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 30.1-32': NO RECOVERY
35		0.0/4.0	NA	32-36	32-36': NO RECOVERY
40		1.0/4.0	1.46	36-40	36-37': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 37-40': NO RECOVERY
45		0.0/4.0	NA	40-44	40-44': NO RECOVERY
50		0.0/4.0	NA	44-48	44-48': NO RECOVERY
55					
60					
65					



ERM Environmental Resources Management

Boring/Well No.: JLS-17

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, Louisiana Coordinates: 653037, 3321390

Surface Elev.: NM Boring T.D.: 48' bgs Boring Dia.: 2.25"

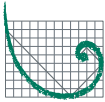
Date Started: 8/7/2020 Date Completed: 8/7/2020 Well Dia./Materials: 0.75" PVC - Temporary

Drilling Company: ICON Driller: Dylon White

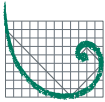
Drilling Method: Direct Push - Marsh Master with Geoprobe 540B Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, P.G. Soil Sample Method: Geoprobe tube with acetate liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0			0.9/4.0	1.1	0-4	0-0.9': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, organic staining 0.9-4': NO RECOVERY
5			1.9/4.0	1.61	4-8	4-5.8': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor, very little organic material 5.8-5.9': PEAT: very dark grayish brown (10YR3/2), soft, moist to slight wet, no odor 5.9-8': NO RECOVERY
10			0.6/4.0	1.36	8-12	8-8.6': PEAT: dark brown (10YR, 3/3), soft, moist, no odor, some wood pieces, little clay content 8.6-12': NO RECOVERY
15			0.7/4.0	2.26	12-16	12-12.3': PEAT: dark brown (10YR, 3/3), very soft, wet, no odor 12.3-12.7': CLAY: dark gray (5Y, 4/1), medium soft, moist, no odor 12.7-16': NO RECOVERY
20			2.2/4.0	Top: 1.75 Bottom: 1.72	16-20	16-18.7': CLAY: dark gray (5Y, 4/1), medium soft, most, no odor, very little silt content, little organic material, little wood at 17.7' bgs 18.7-20': NO RECOVERY
25			4.0/4.0	Top: 1.95 Bottom: 1.94	20-24	20-24': CLAY: gray (GLEY 1, 5/N), medium soft to stiff, moist, no odor
30			4.0/4.0	Top: 1.96 Bottom: 1.93	24-28	24-28': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor
			4.0/4.0	Top: 1.82 Bottom: 1.85	28-32	28-32': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor



DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
30			4.0/4.0	Top: 1.82 Bottom: 1.85	28-32	(Cont. from page 1) 28-32': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor
35			4.0/4.0	Top: 1.77 Bottom: 1.84	32-36	32-36': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor, few shell fragments
40			4.0/4.0	Top: 1.85 Bottom: 1.85	36-40	36-40': CLAY: dark gray (GLEY 1, 4/N), medium soft, moist, no odor, shell at 36.7' bgs
45			3.9/4.0	Top: 1.92 Bottom: 0.55	40-44	40-41.8': CLAY: dark gray (GLEY 1, 4/N), stiff, moist, no odor 41.8-43.2': CLAYEY SILT: dark gray (GLEY 1, 4/N), medium soft, moist to wet, no odor 43.2-43.9': SILT: dark gray (GLEY 1, 4/N), firm, wet, no odor 43.9-44': NO RECOVERY
45			4.0/4.0	Top: 0.83 Bottom: 0.68	44-48	44-48': SILT: dark gray (5Y, 4/1), firm, wet, no odor
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ERM Environmental Resources Management

Boring/Well No.: MW-1

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, LA Coordinates: 653606, 3321847

Surface Elev.: NM Boring T.D.: 28' bml Boring Dia.: 3.25"

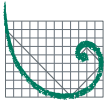
Date Started: 2/5/2021 Date Completed: 2/5/2021 Well Dia./Materials: 1" PrePack - PVC

Drilling Company: Walker Hill Driller: Jack Womble

Drilling Method: Direct Push - Geoprobe 7822DT on barge Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, PG Soil Sample Method: Acetate Liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0			3.0/4.0	Top: 1.48 Bottom: 1.83	0-2' 0.1 2-4' 0.1	0-4	0-3': CLAY: dark gray (5Y, 4/1), soft, moist, no odor, organic material 3-4': NO RECOVERY
5			1.5/4.0	Top: 2.31 Bottom: 1.72	4-6' 0.1 6-8' 0.0	4-8	4-5': CLAY: gray (5Y, 5/1), medium soft, moist, no odor, wood 5-5.5': WOOD: 5.5-8': NO RECOVERY
10			0.0/4.0	NA	NA	8-12	8-12': NO RECOVERY
15			0.0/4.0	NA	NA	12-16	12-16': NO RECOVERY
20			0.0/4.0	NA	NA	16-20	16-20': NO RECOVERY
25			0.0/4.0	NA	NA	20-24	20-24': NO RECOVERY
25			2.6/4.0	Top: 1.42 Bottom: 1.65	24-26' 0.1	24-28	24-26.6': SANDY SILT: gray (5Y, 5/1), firm, wet, no odor 26.6-28': NO RECOVERY
30							



ERM Environmental Resources Management

Boring/Well No.: MW-2

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, LA Coordinates: 653649, 3321737

Surface Elev.: NM Boring T.D.: 28' bml Boring Dia.: 3.25"

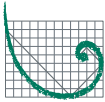
Date Started: 2/5/2021 Date Completed: 2/5/2021 Well Dia./Materials: 1" PrePack - PVC

Drilling Company: Walker Hill Driller: Jack Womble

Drilling Method: Direct Push - Geoprobe 7822DT on barge Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, PG Soil Sample Method: Acetate Liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0			4.0/4.0	Top: 3.24 Bottom: 4.70	0-2' 0.3 2-4' 0.2	0-4	0-4': CLAY: dark gray (5Y, 4/1), soft, stiff at bottom, moist, no odor, organic material, rootlets, wood layer at 3.0-3.4' bml, little silt content
5			3.1/4.0	Top: 5.50 Bottom: 4.48	4-6' 0.9 6-8' 2.1	4-8	4-6.1': CLAY: gray (5Y, 5/1) to dark gray (5Y, 4/1), medium soft to stiff, moist, no odor, little Fe staining, organics, very small peat layer at 5.4' bml 6.1-7.1': PEAT: very dark brown (7.5YR, 2.5/2), soft, moist, little clay content at top 7.1-8': NO RECOVERY
10			0.6/4.0	Middle: 7.73	8-10" 2.8	8-12	8-8.6': PEAT: with clay, very dark brown (7.5YR, 2.5/2), with clay, soft, moist, no odor 8.6-12': NO RECOVERY
15			0.0/4.0	NA	NA	12-16	12-16': NO RECOVERY
20			0.0/4.0	NA	NA	16-20	16-20': NO RECOVERY
25			0.0/4.0	NA	NA	20-24	20-24': NO RECOVERY
30			0.0/4.0	NA	NA	24-28	24-28': NO RECOVERY
30							



ERM Environmental Resources Management

Boring/Well No.: MW-3

Project: Jeanerette Lumber & Shingle Co., LLC v. ConocoPhillips Company, et al. Project No.: 0519829

Location: Iberia Parish, LA Coordinates: 653719, 3321846

Surface Elev.: NM Boring T.D.: 28' bml Boring Dia.: 3.25"

Date Started: 2/4/2021 Date Completed: 2/4/2021 Well Dia./Materials: 1" PrePack - PVC

Drilling Company: Walker Hill Driller: Jack Womble

Drilling Method: Direct Push - Geoprobe 7822DT on barge Grouting Method: Portland/Bentonite

Logged by: R. Charles Trahan, PG Soil Sample Method: Acetate Liner

DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE RECOVERY (FEET/FEET)	FIELD EC (mS/cm)	PID (PPMV)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION
0			2.3/4.0	Top: 1.85 Bottom: 2.56	0-2' 2.3 2-4' 3.3	0-4	0-0.4': WOOD 0.4-2.3': CLAY: gray (5Y, 5/1), moist, soft, no odor, wood pieces at 0.4-1.0' and 1.9' bml 2.3-4': NO RECOVERY
5			1.0/4.0	NA	NA	4-8	4-5': WOOD 5-8': NO RECOVERY
10			0.0/4.0	NA	NA	8-12	8-12': NO RECOVERY
15			0.0/4.0	NA	NA	12-16	12-16': NO RECOVERY
20			2.2/4.0	Top: 1.81 Bottom: 2.87	20-24' 5.3	20-24	20-20.3': WOOD 20.3-22.2': CLAY: dark gray (5Y, 4/1), soft, moist, no odor, some silt content, some silt lenses 22.2-24': NO RECOVERY
25			2.0/2.0	Top: 1.29 Bottom: 1.06	24-26' 3.5	24-26	24-26': SANDY SILT: dark gray (5Y, 4/1), firm, wet to saturated, no odor
30			2.0/2.0	Top: 2.55 Bottom: 2.47	26-28' 4.7	26-28	26-28': CLAY: dark gray (5Y, 4/1), soft, moist, no odor, very little silt content, few silt lenses