

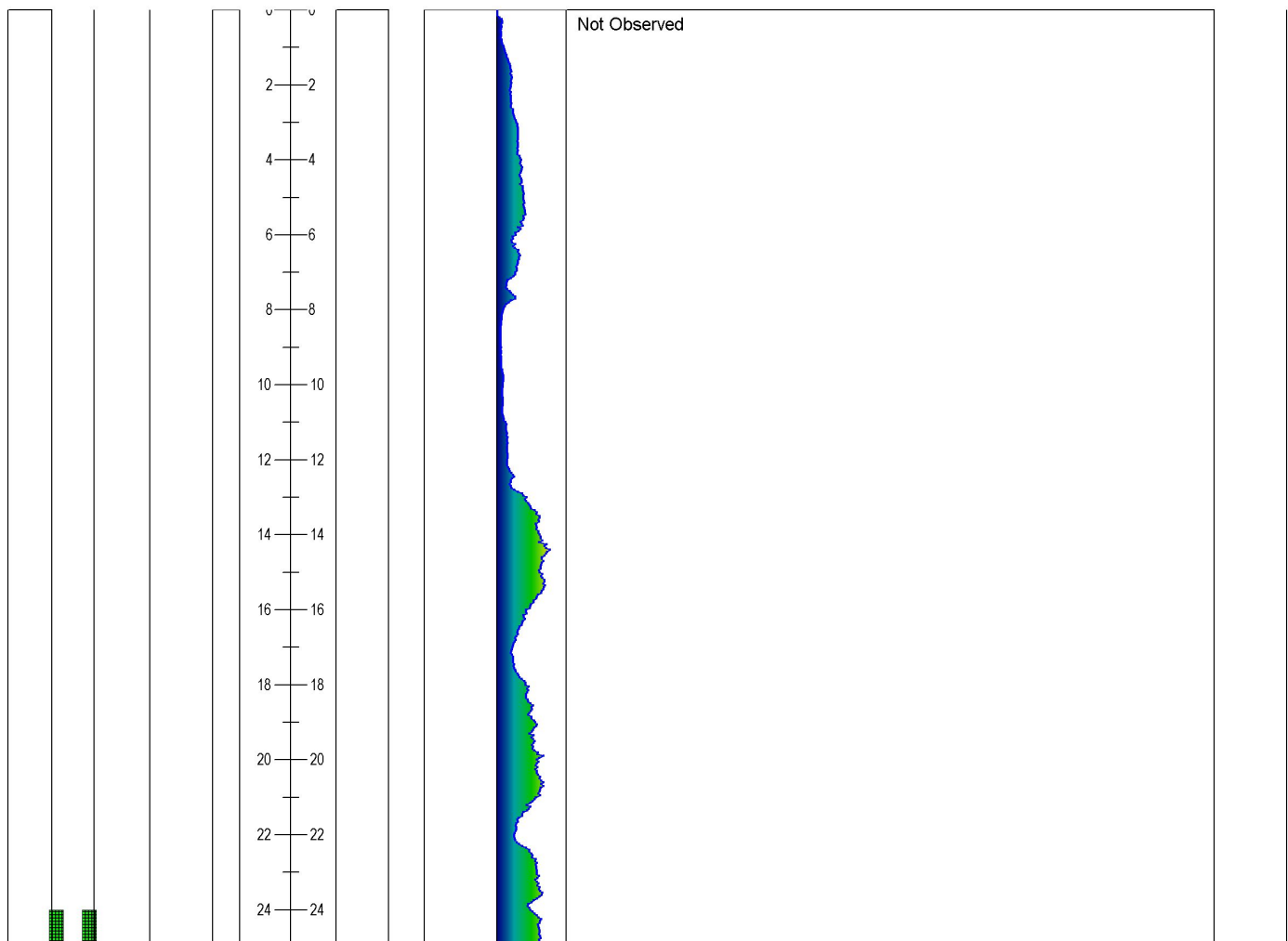


HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
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BORING No. CD-05

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	04-26-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-26-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	96 Feet BLS
REMARKS	Field Coordinates: 30.18383801, -92.62171951		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	



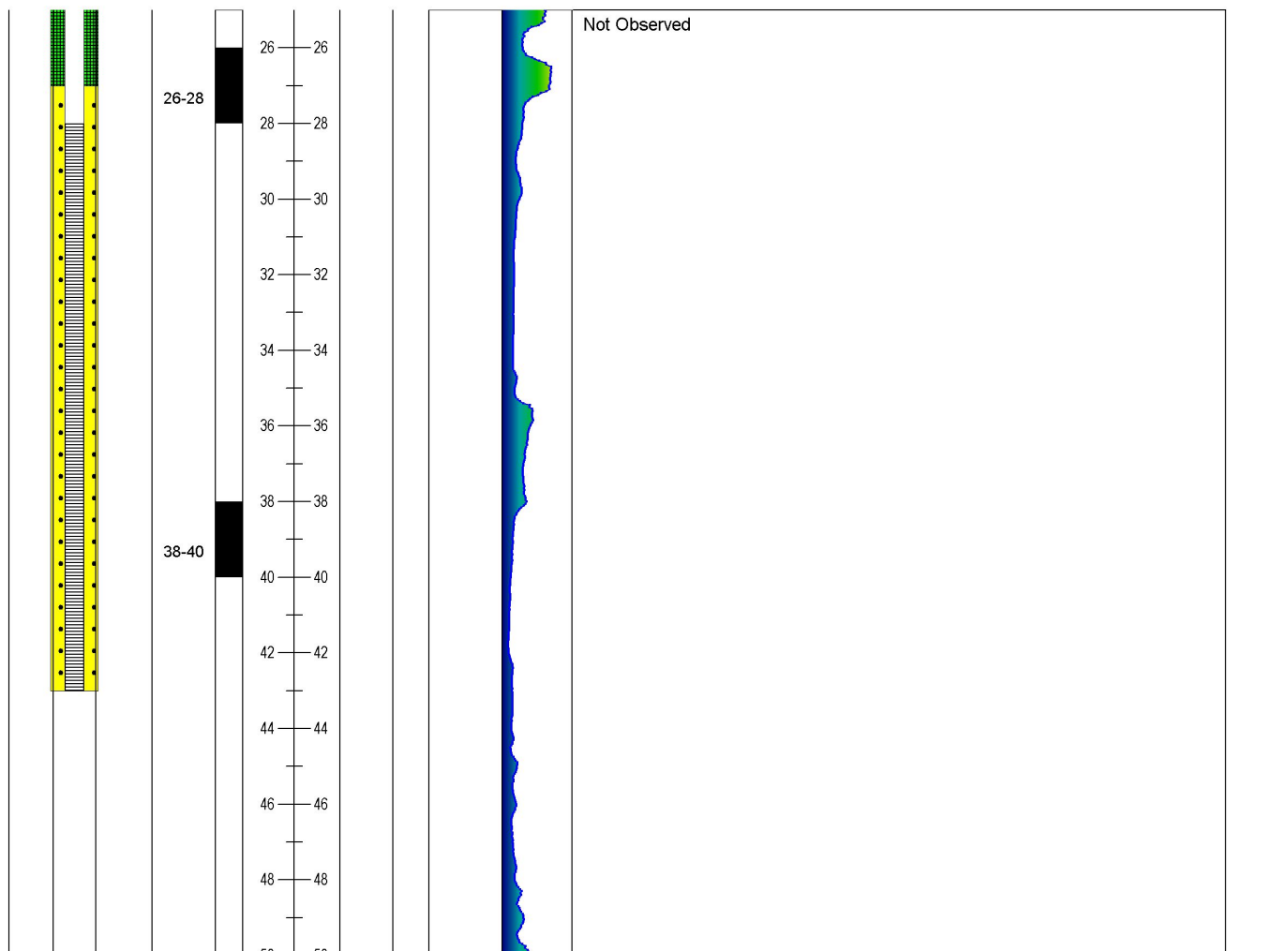
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BORING No. CD-05

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PROJECT NUMBER	1009.A75	DATE COMPLETED	04-26-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	96 Feet BLS
REMARKS	Field Coordinates: 30.18383801, -92.62171951		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





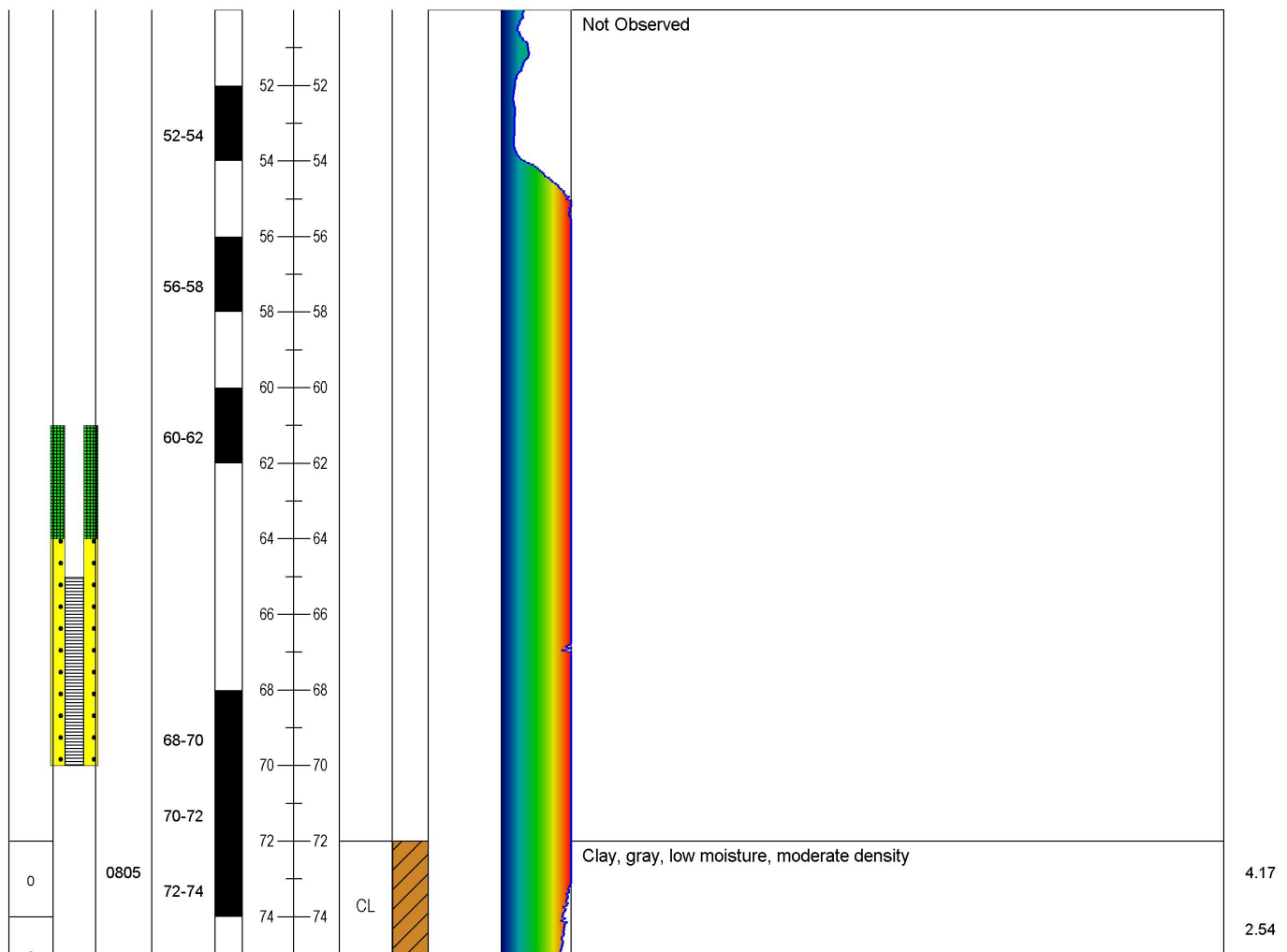
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BORING No. CD-05

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GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	96 Feet BLS
REMARKS	Field Coordinates: 30.18383801, -92.62171951		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi	mS/m		
								0	300	0		





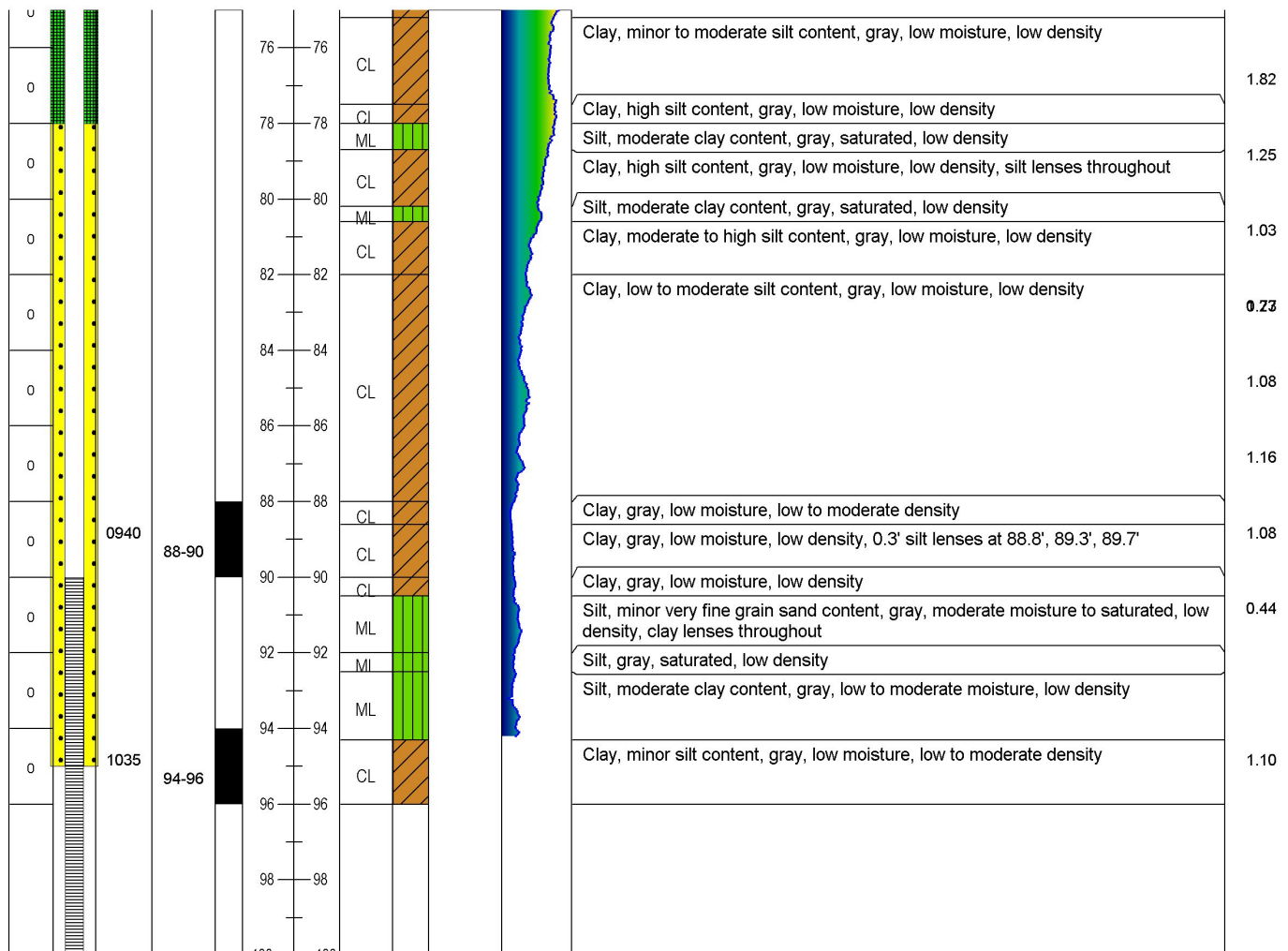
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								avg psi		mS/m			
								0	300	0	300		





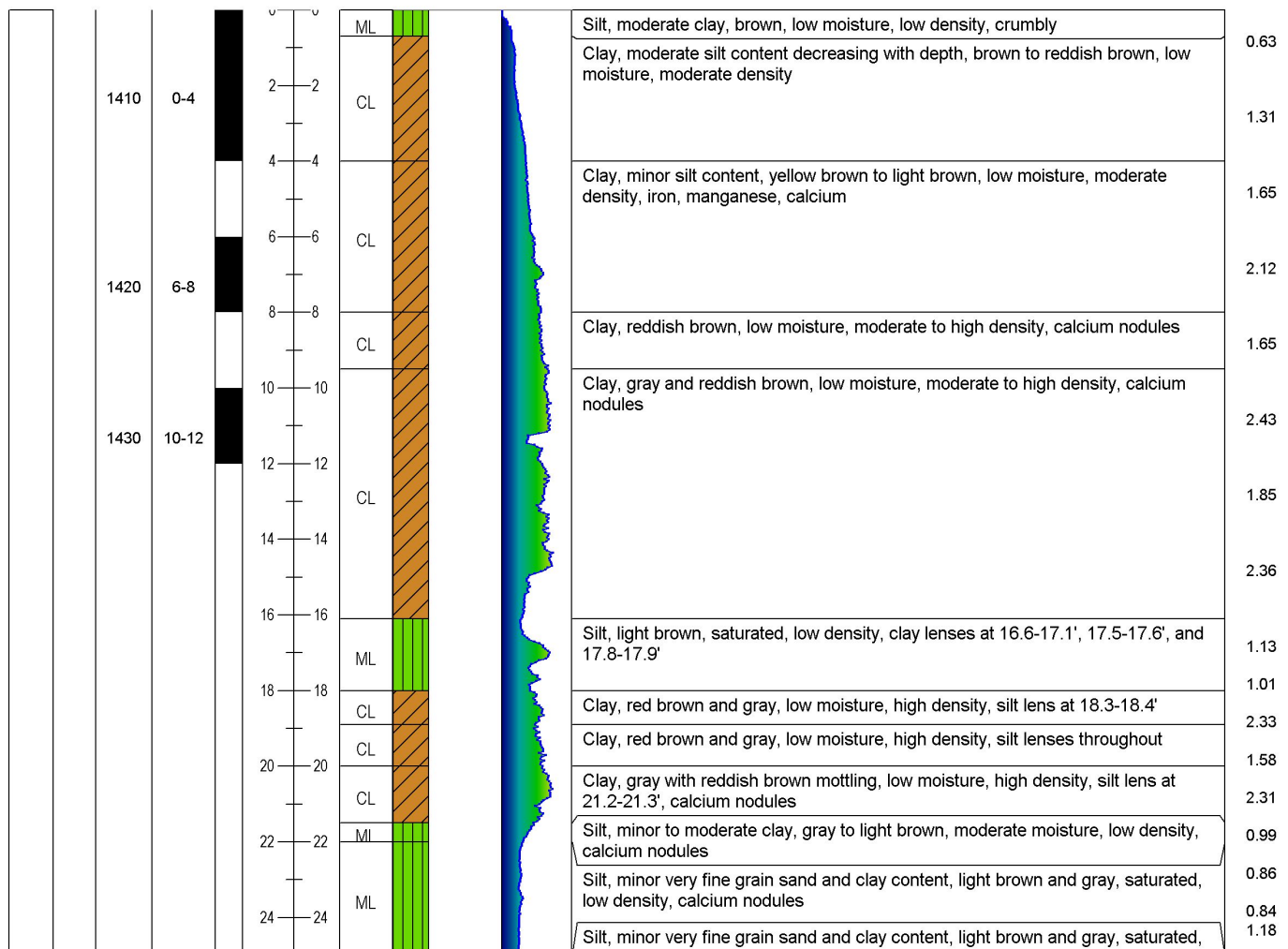
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BORING No. CD-06

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	04-12-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-13-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	101.5 Feet BLS
REMARKS	Field Coordinates: 30.18274, -92.61505		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





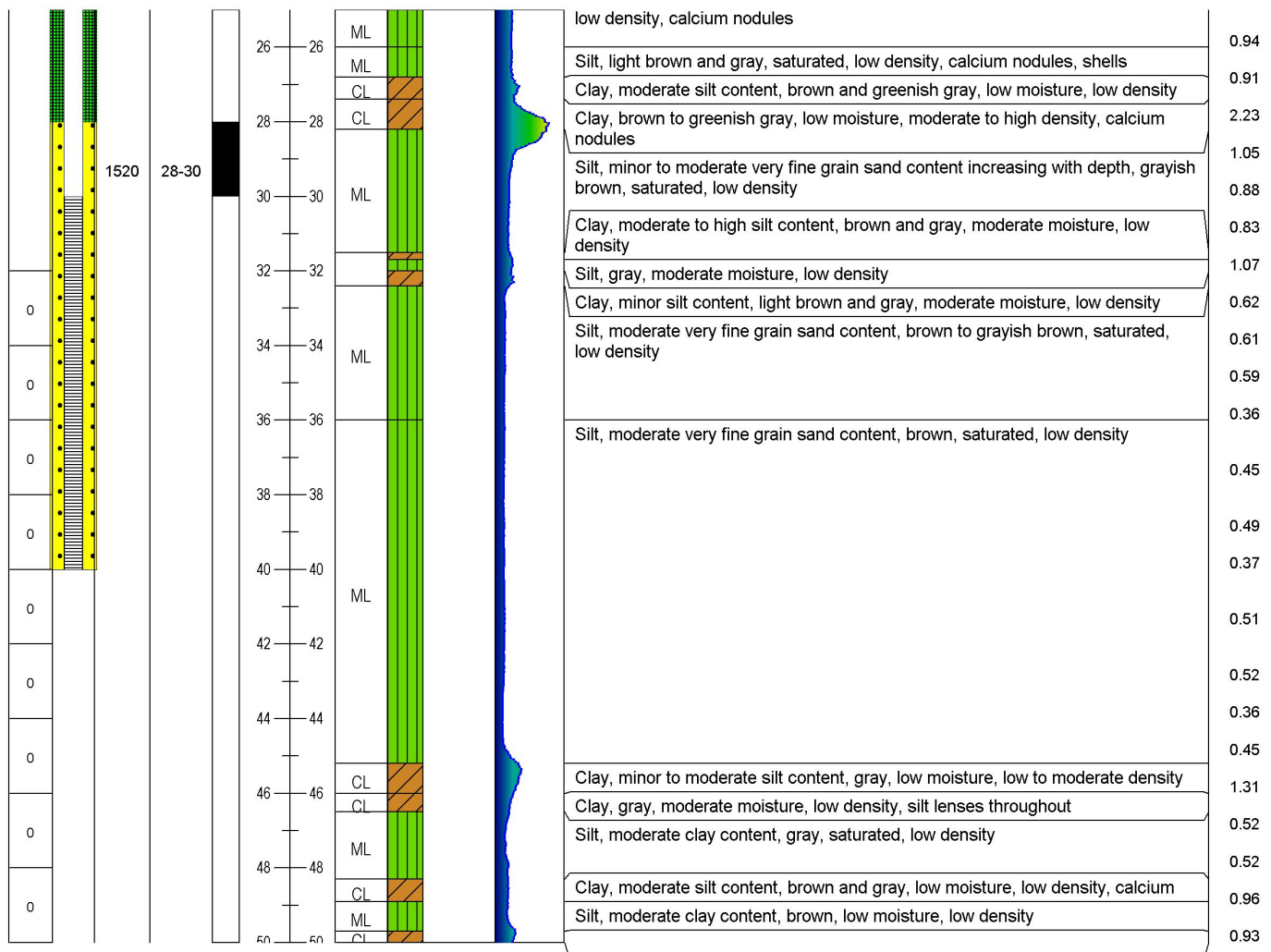
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PROJECT NUMBER	1009.A75	DATE COMPLETED	04-13-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
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TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	101.5 Feet BLS
REMARKS	Field Coordinates: 30.18274, -92.61505		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





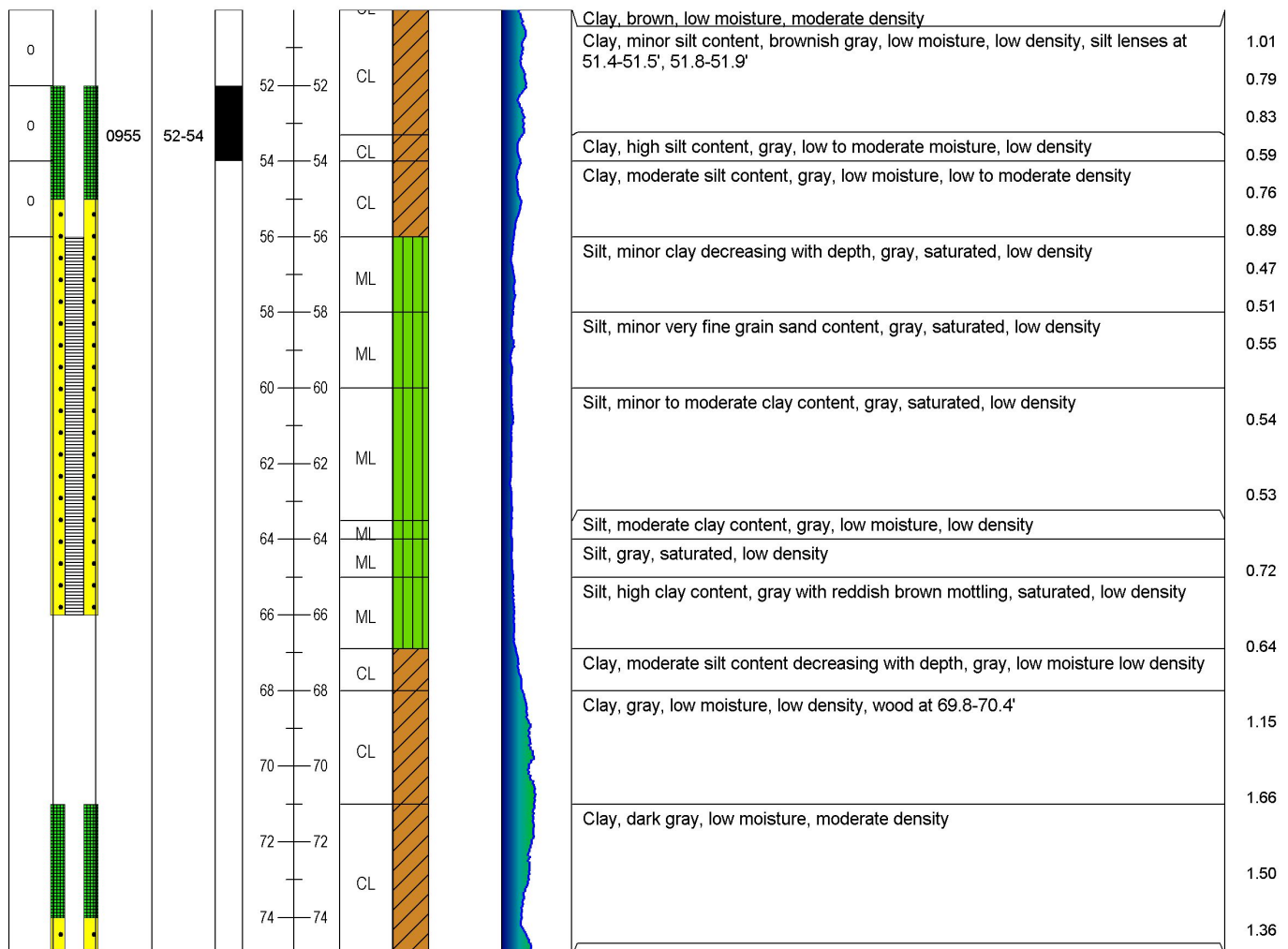
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TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	101.5 Feet BLS
REMARKS	Field Coordinates: 30.18274, -92.61505		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





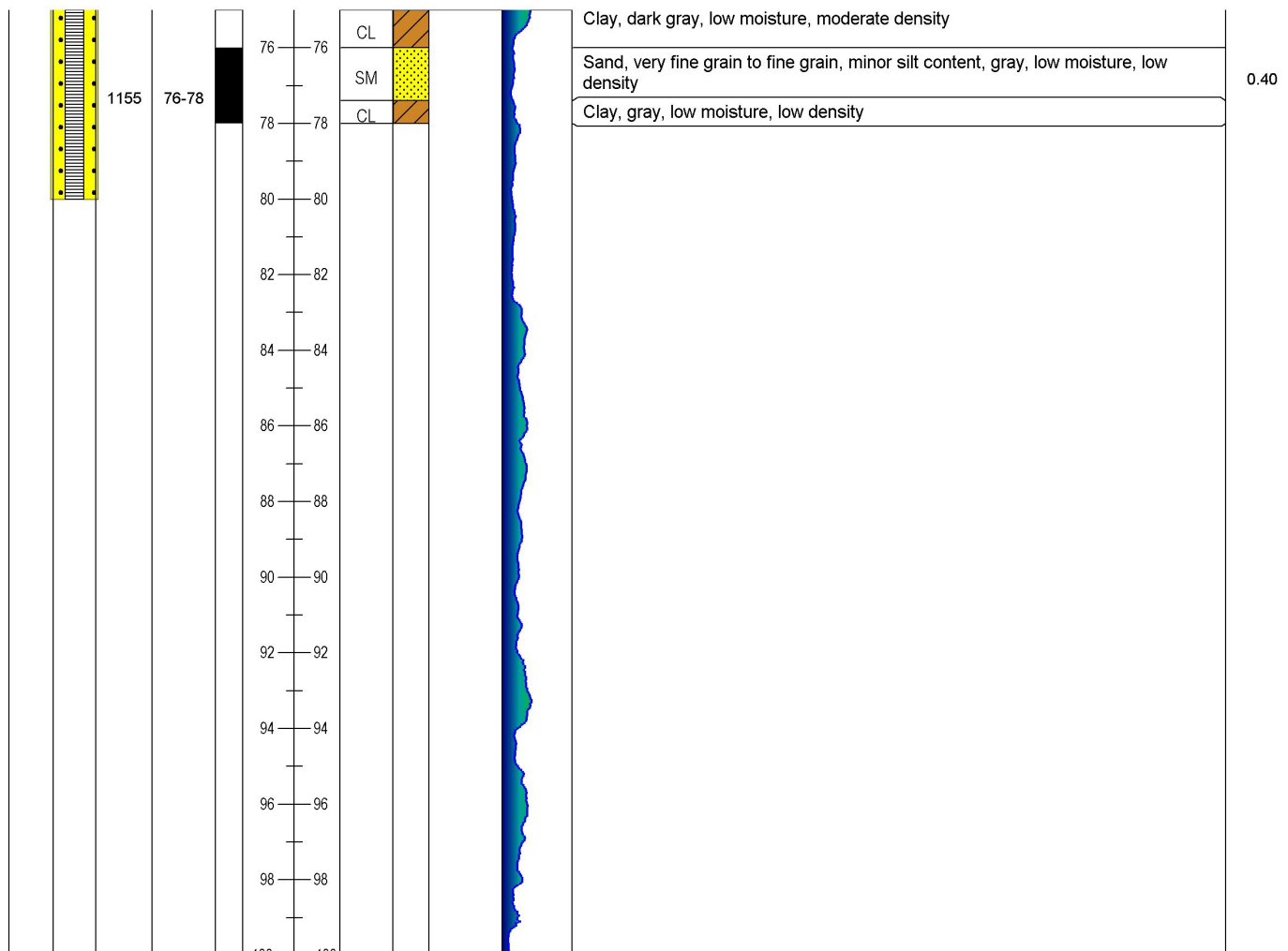
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LOGGED BY	Ryan Leonards	TOTAL DEPTH	101.5 Feet BLS
REMARKS	Field Coordinates: 30.18274, -92.61505		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





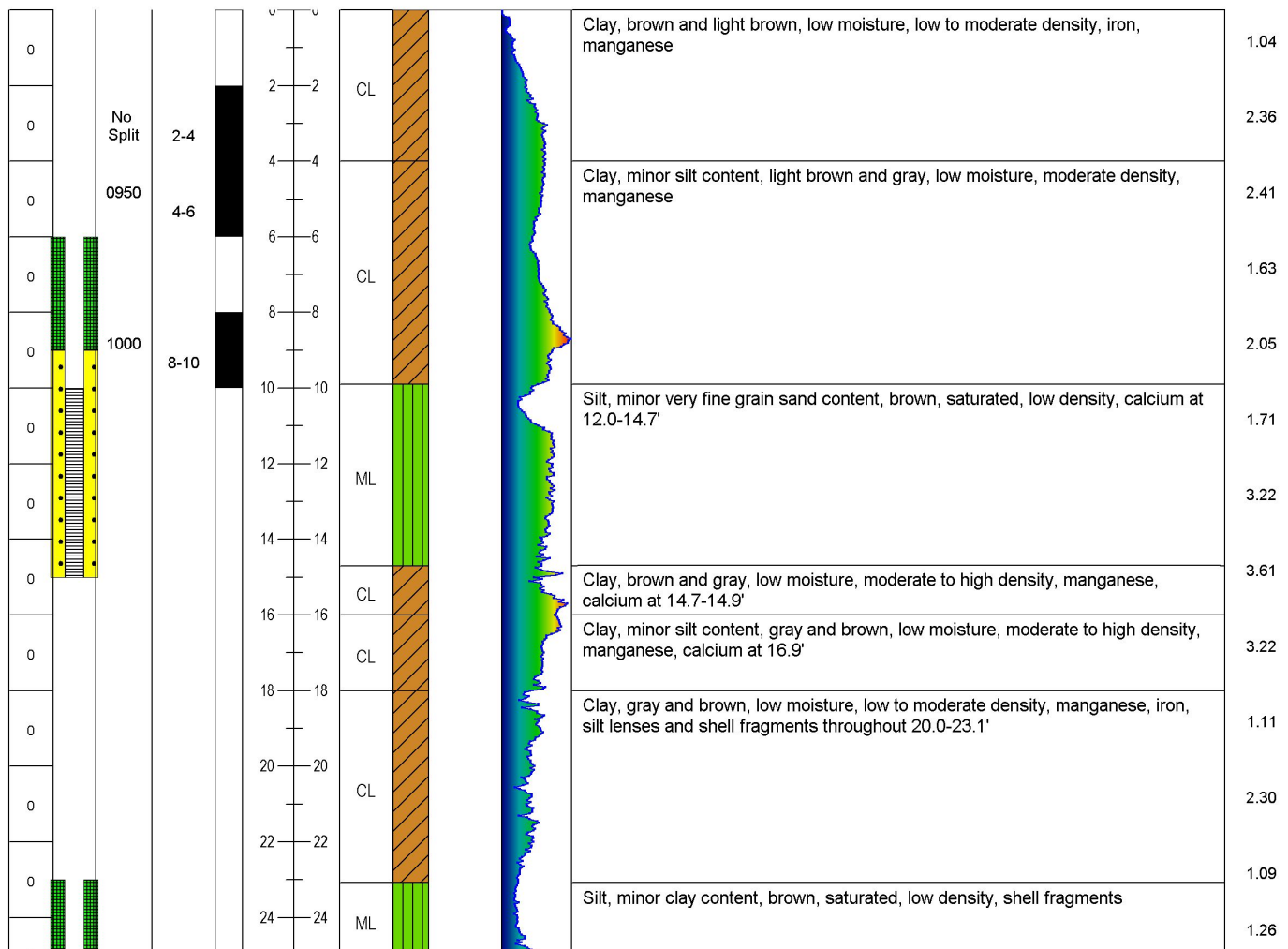
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BORING No. CD-07

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	04-19-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-20-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Don Watts	TOTAL DEPTH	93 Feet BLS
REMARKS	Field Coordinates: 30.18717, -92.61245		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





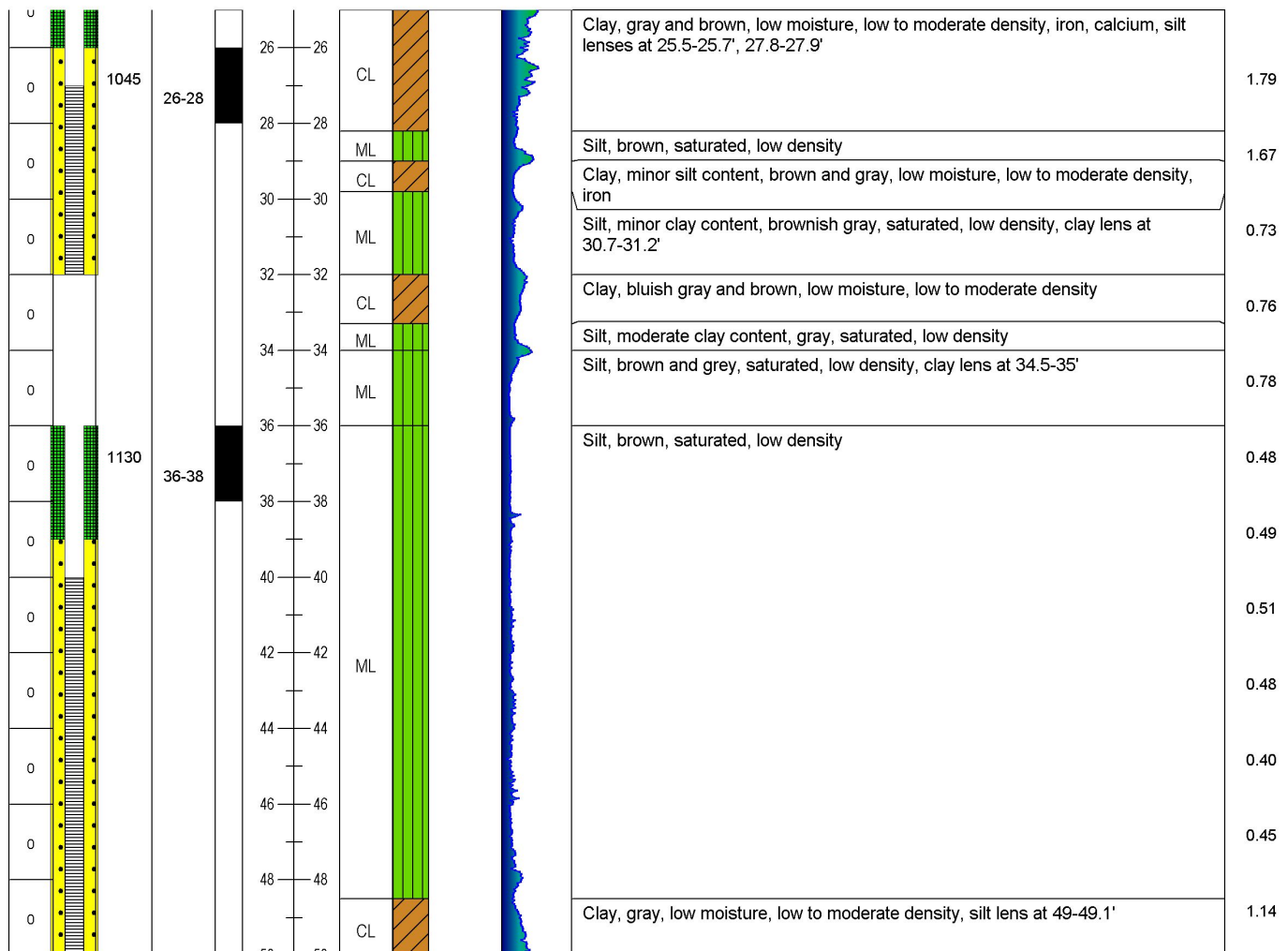
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PROJECT NUMBER	1009.A75	DATE COMPLETED	04-20-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Don Watts	TOTAL DEPTH	93 Feet BLS
REMARKS	Field Coordinates: 30.18717, -92.61245		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





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PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	

0					52						Clay, gray, low moisture, low to moderate density, wood	1.17
0					54	CL						0.94
0					56							1.08
0					58	CL					Clay, gray, low moisture, low to moderate density, organics, silt lenses at 57.1-57.2', 57.5-57.6', 57.8-57.9'	0.94
0	1225		58-60		60	CL					Clay, minor silt content, gray, low moisture, low density, organics	0.64
					62							
					64							
					66							
					68							
					70							
					72							
					74							



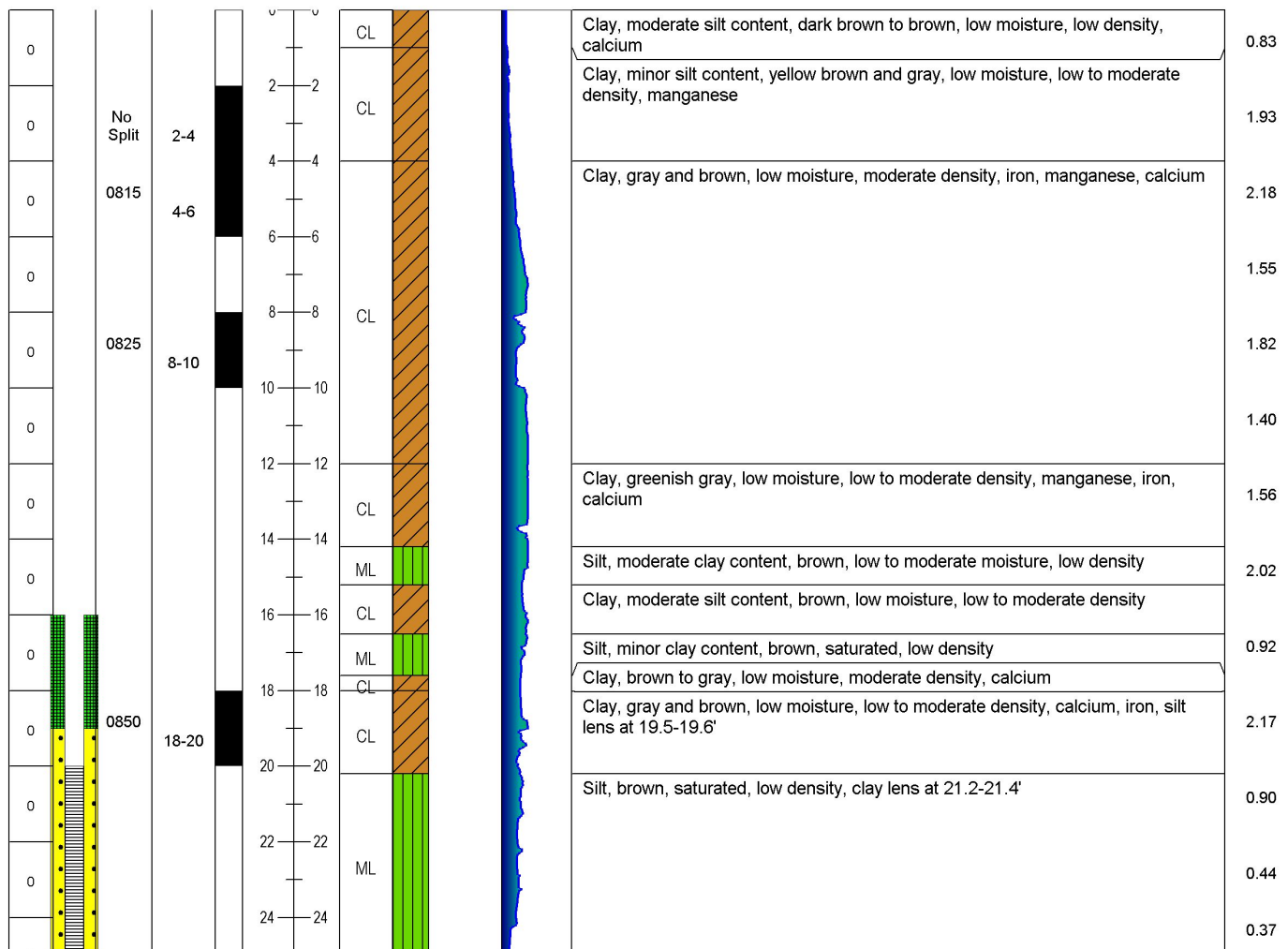
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BORING No. CD-08

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	04-21-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-22-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Don Watts	TOTAL DEPTH	93 Feet BLS
REMARKS	Field Coordinates: 30.18114, -92.62328		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





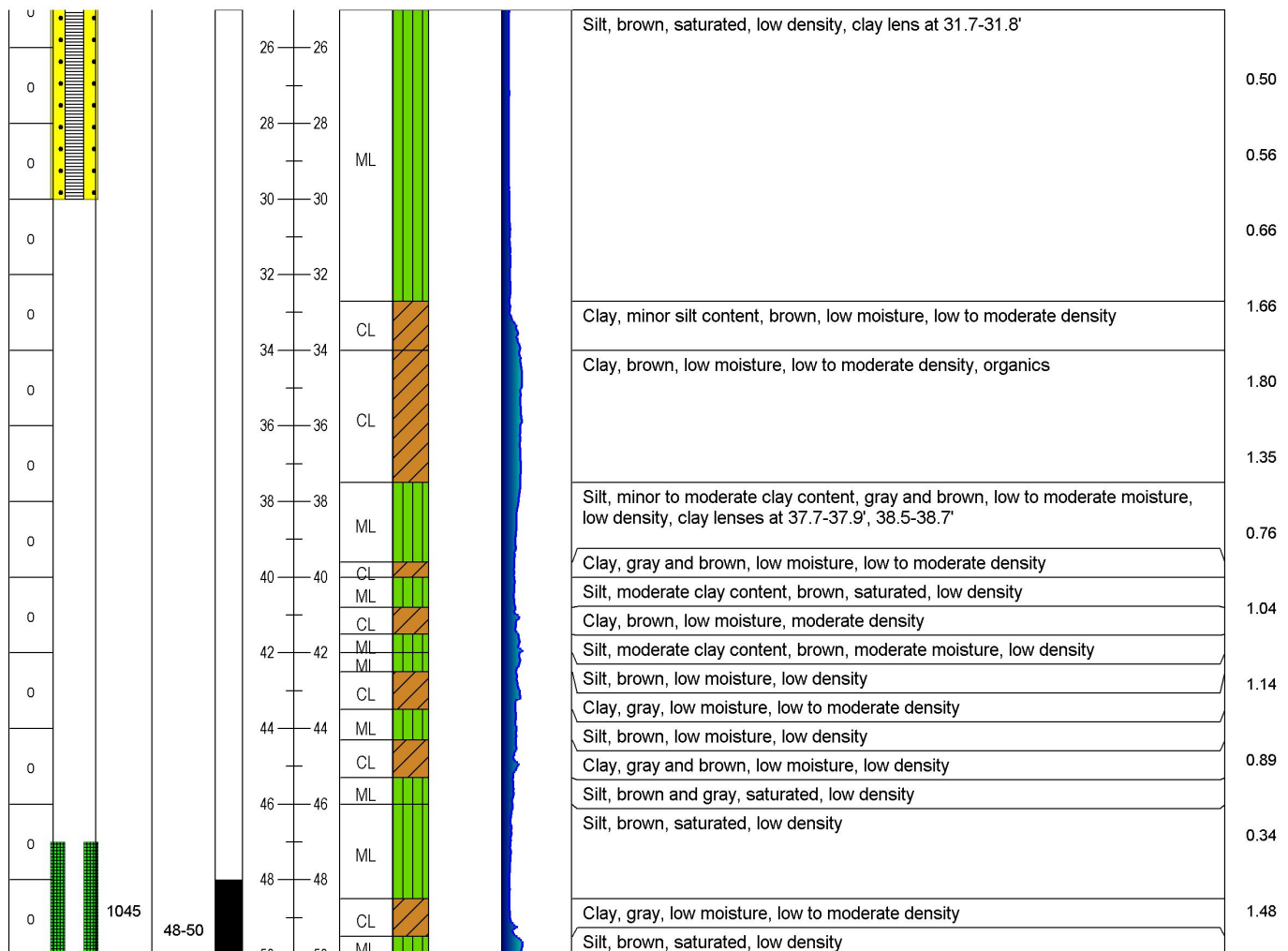
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GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
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LOGGED BY	Don Watts	TOTAL DEPTH	93 Feet BLS
REMARKS	Field Coordinates: 30.18114, -92.62328		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





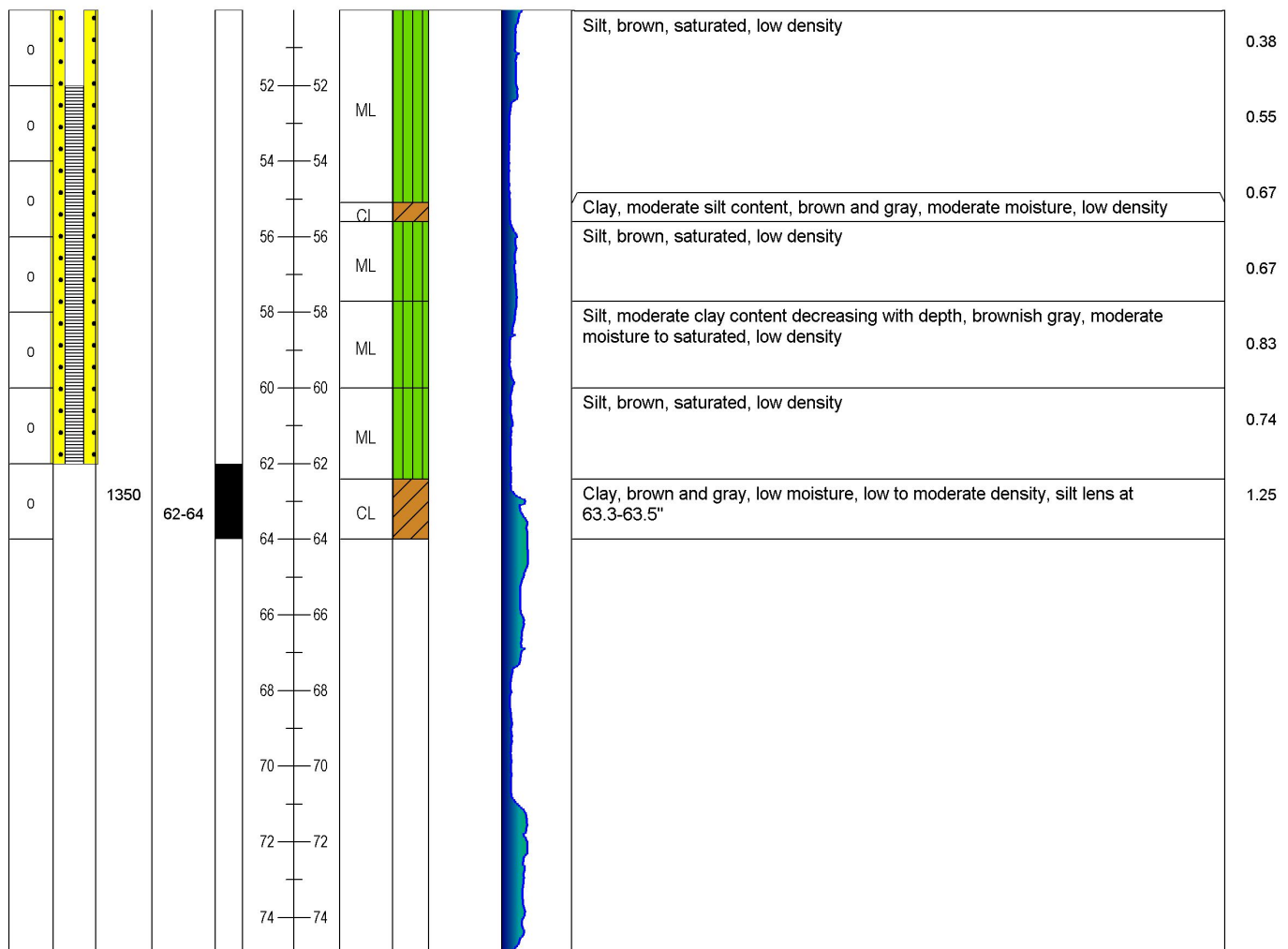
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LOGGED BY	Don Watts	TOTAL DEPTH	93 Feet BLS
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								avg	psi			
								0	300	0	300	





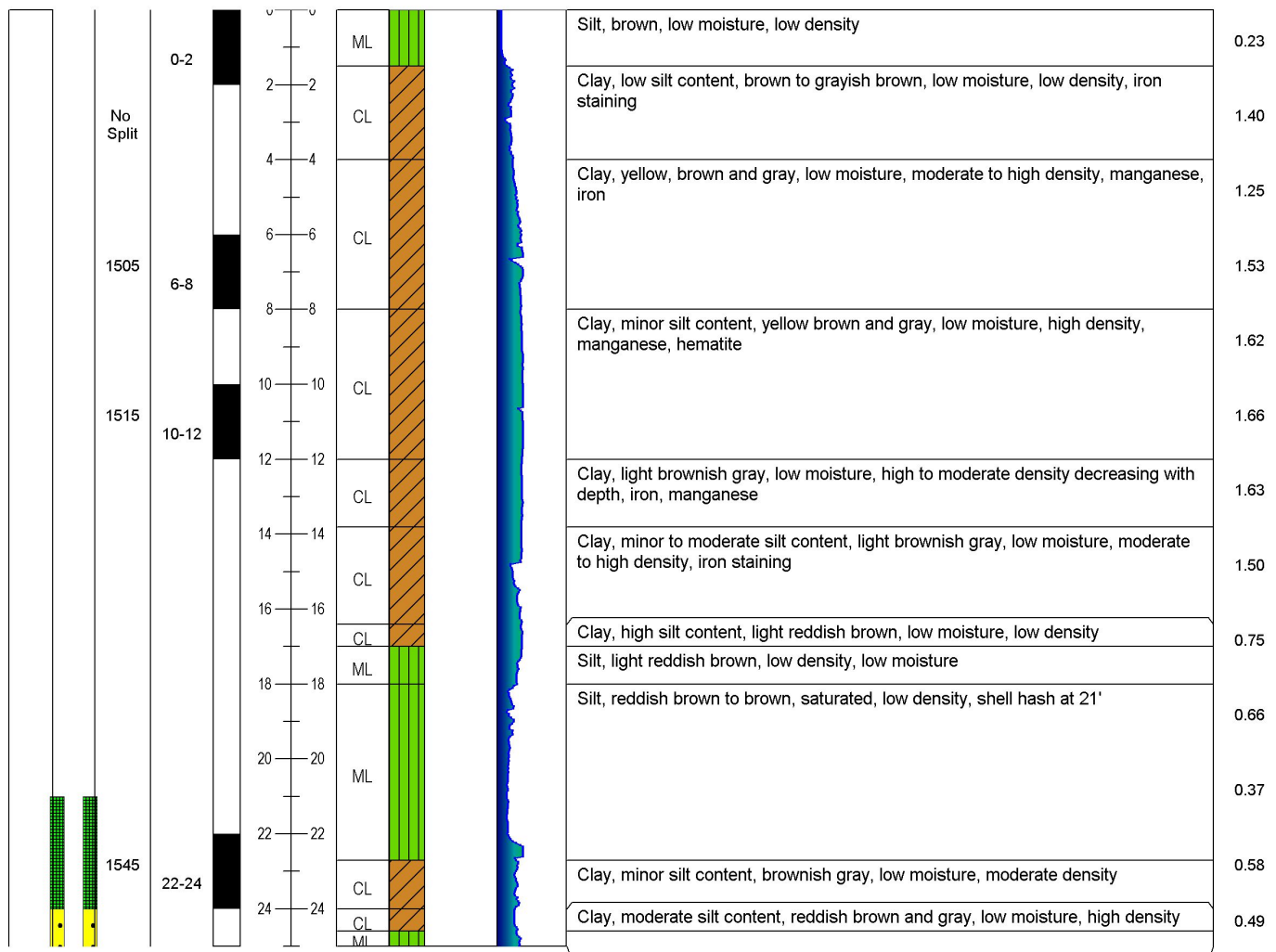
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BORING No. CD-09

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	04-27-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-28-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	96 Feet BLS
REMARKS	Field Coordinates: 30.18522887, -92.61781345		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





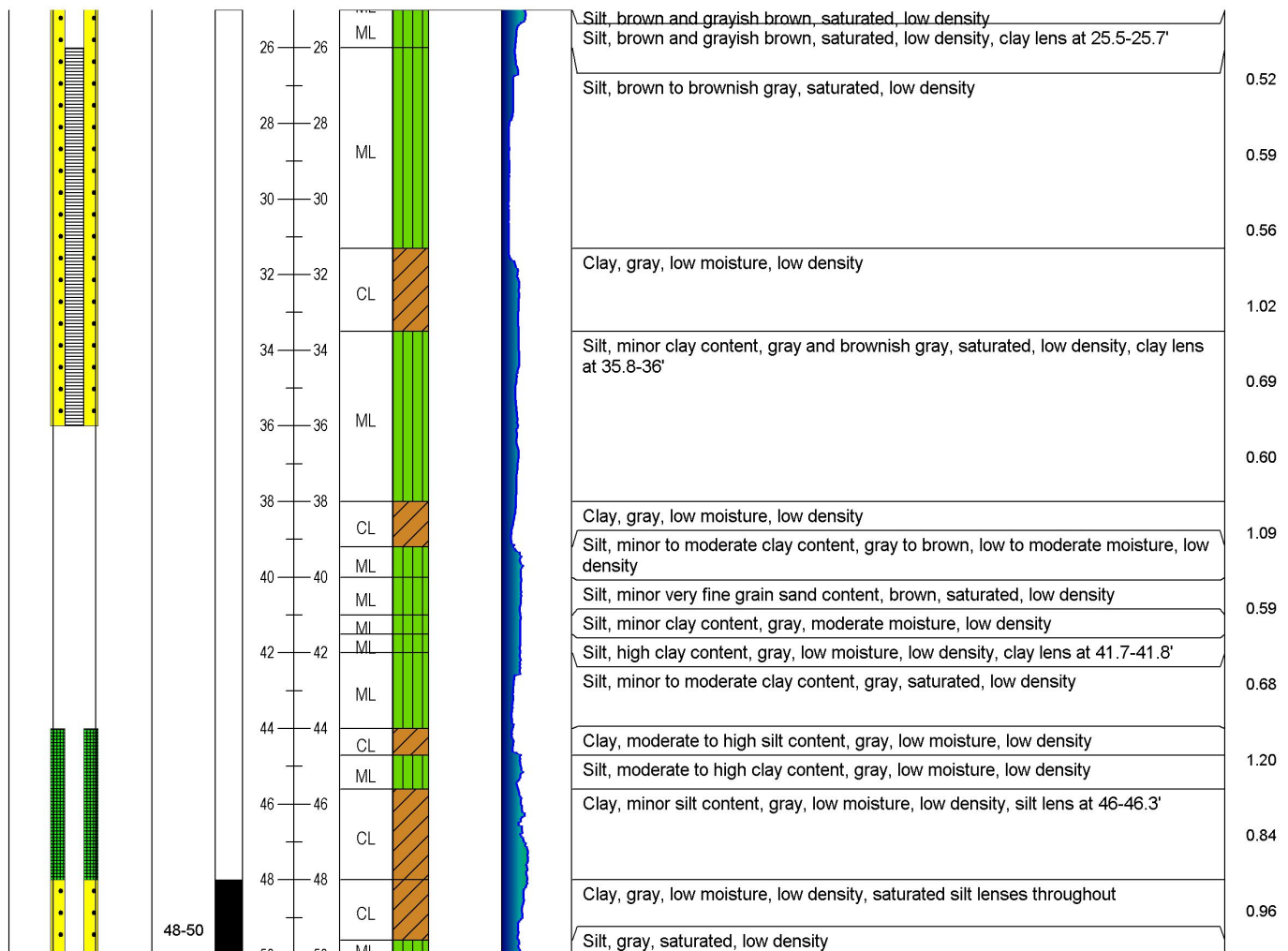
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TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	96 Feet BLS
REMARKS	Field Coordinates: 30.18522887, -92.61781345		

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								avg psi		mS/m			
								0	300	0	300		





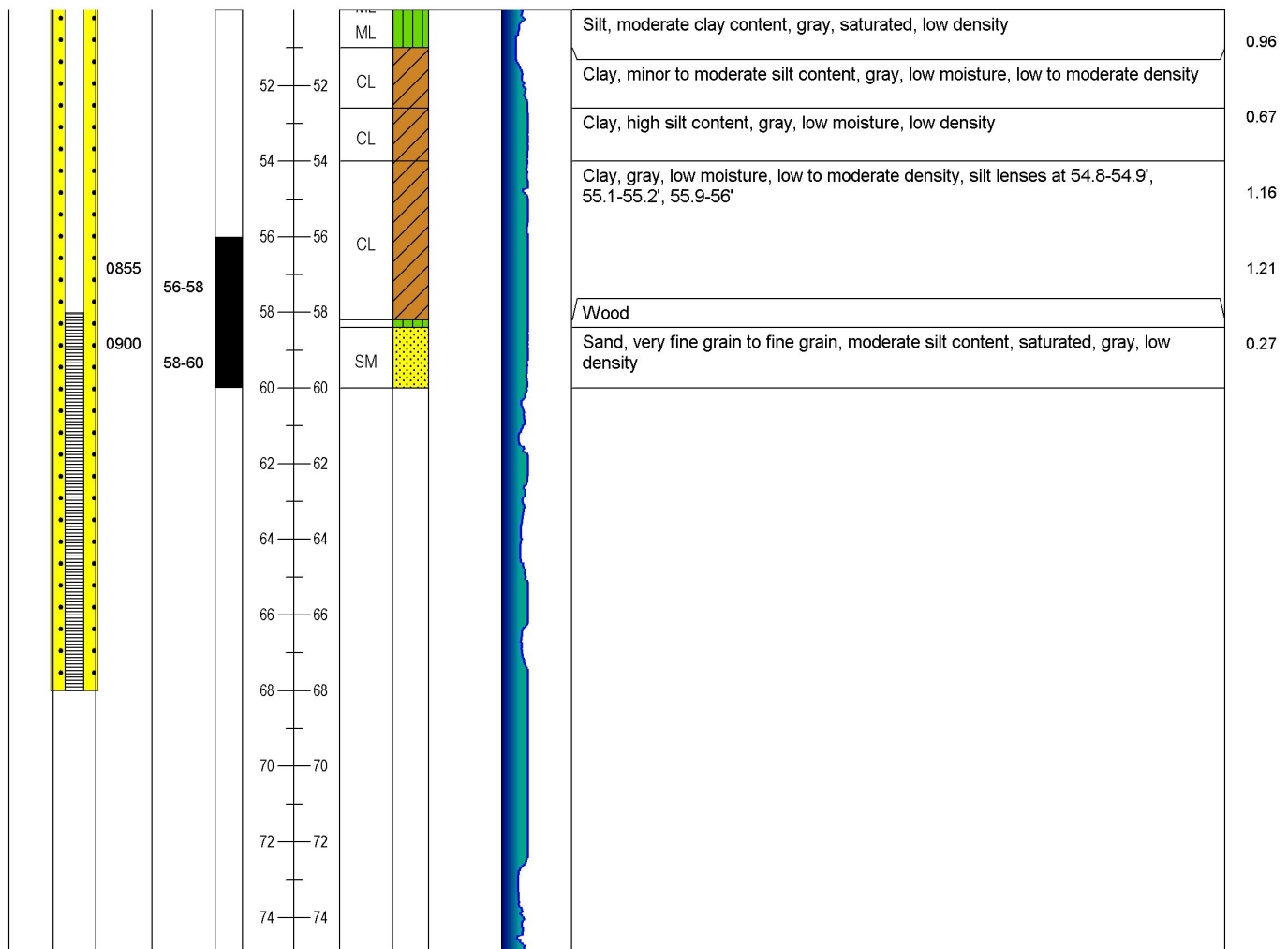
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PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	04-27-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-28-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	96 Feet BLS
REMARKS	Field Coordinates: 30.18522887, -92.61781345		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi	mS/m		
								0	300	0		





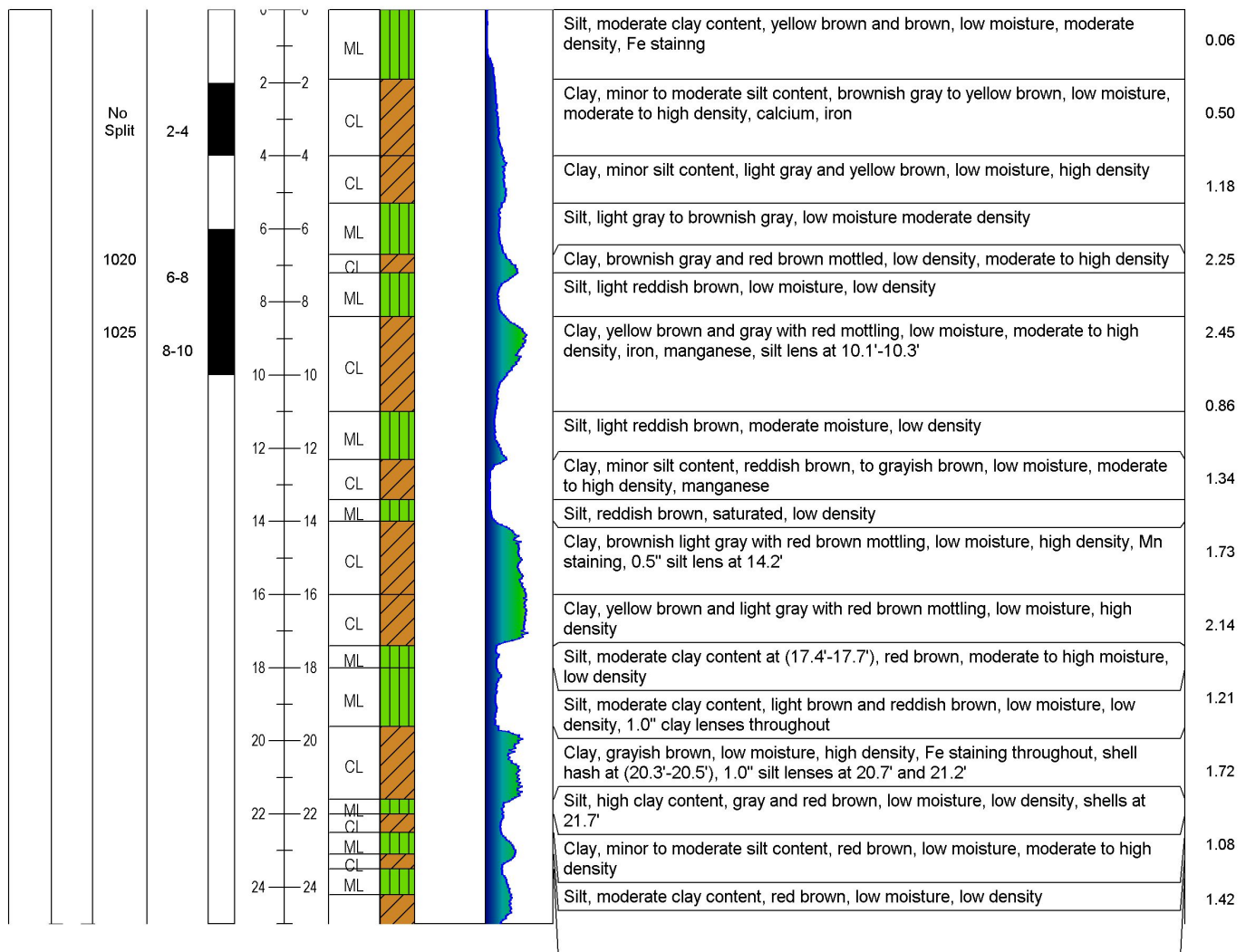
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BORING No. CD-10

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-04-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-04-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	93.4 Feet BLS
REMARKS	Field Coordinates: 30.18333296, -92.62563696		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





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BORING No. CD-10

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-04-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-04-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	93.4 Feet BLS
REMARKS	Field Coordinates: 30.18333296, -92.62563696		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m		
								0 300	0 300			



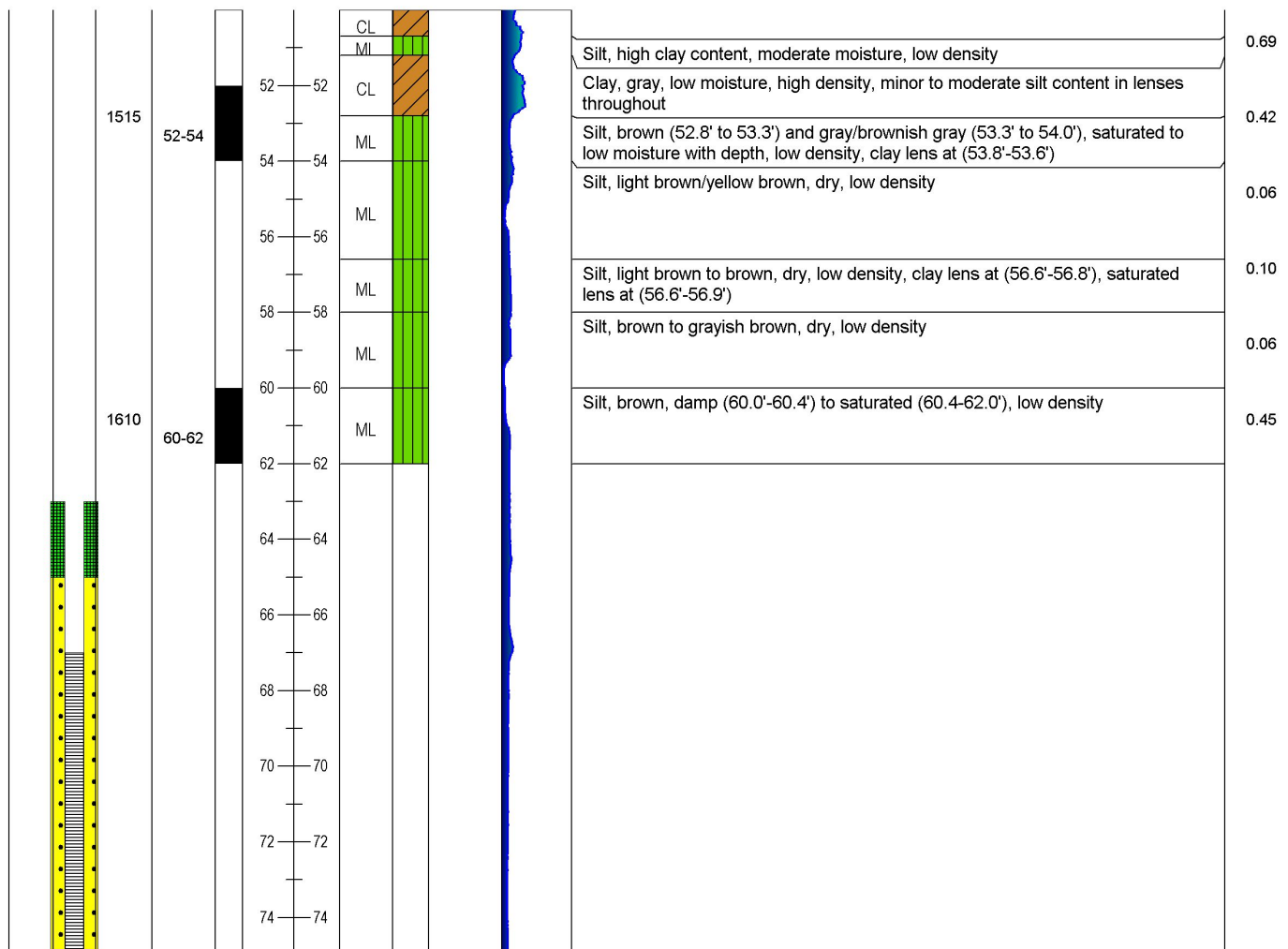
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BORING No. CD-10

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-04-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-04-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	93.4 Feet BLS
REMARKS	Field Coordinates: 30.18333296, -92.62563696		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	



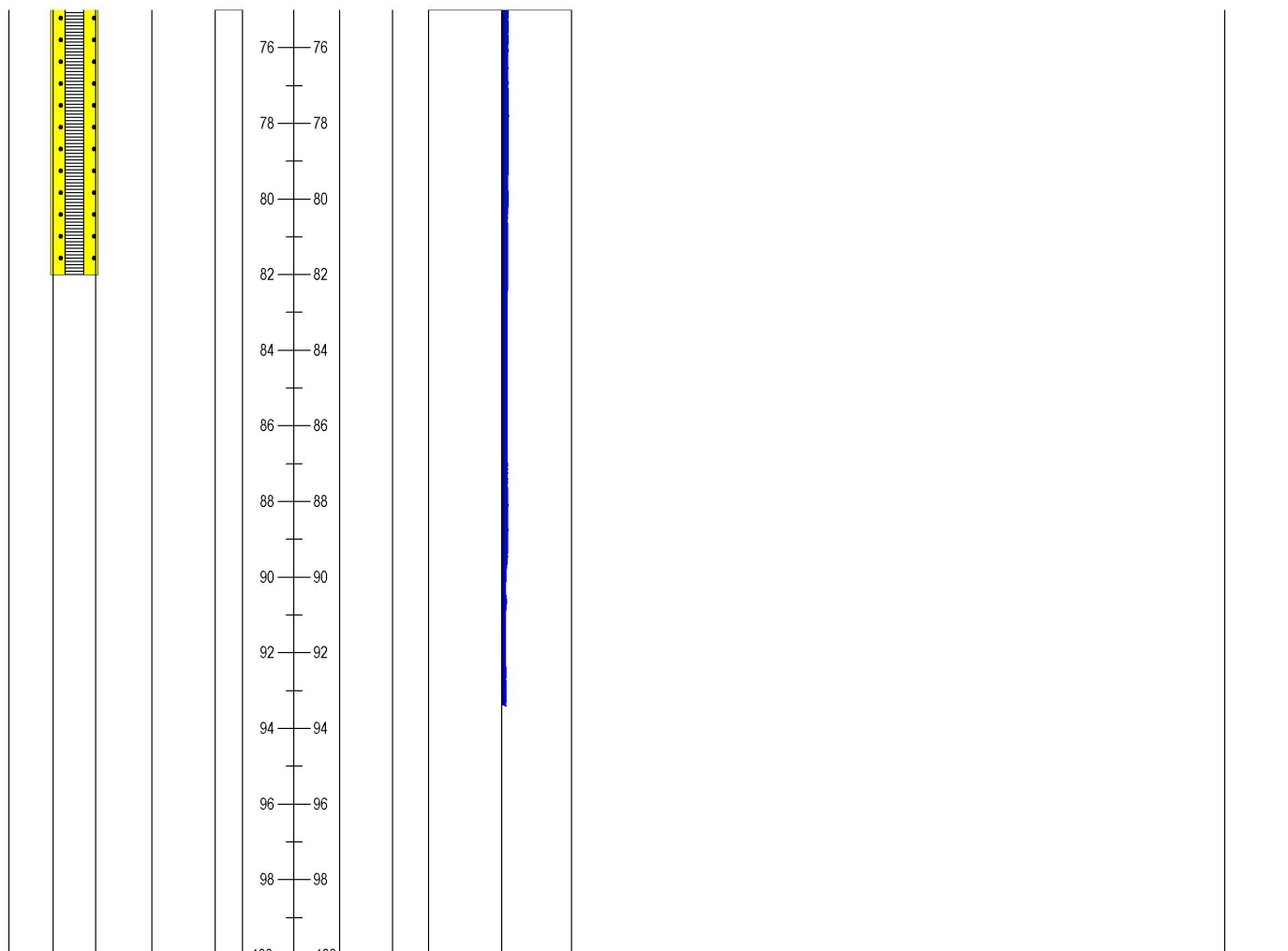
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BORING No. CD-10

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-04-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-04-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	93.4 Feet BLS
REMARKS	Field Coordinates: 30.18333296, -92.62563696		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





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BORING No. CD-11

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-02-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-03-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18926601, -92.61413244		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
0								300	0	300			
avg								psi	mS/m				

					0	CL						Clay, moderate to high silt, grayish brown, low moisture, moderate density, crumbly	0.27
					2	CL						Clay, brown to brownish gray with reddish brown mottling, low moisture, high density to stiff	1.42
	1505	2-4			4	CL						Clay, grayish yellow brown, low moisture, stiff	1.47
	1510	4-6			6	ML						Silt, moderate clay content, gray and yellow brown, low moisture, high density, Mn staining, clay lens at (7.9-8.0')	0.46
					8	CL						Clay, brownish gray (8.0-8.9'), red brown (8.9'-10.3'), and light gray (10.3'-12.0'), reddish brown mottling throughout, low moisture, high density to stiff, Mn staining, Ca nodules at 8.7', silt lens (8-8.5')	2.14
	1525	10-12			10	CL						Clay, gray and yellow brown, low moisture, high density	2.76
					12	ML						Silt, high clay content, yellow brown and brown, damp, low moisture	1.64
					14	CL						Clay, minor silt content (13.7'-14.1'), yellow brown and gray with orange mottling, low moisture, high density, Mn staining	2.29
					16	CL						Clay, light brownish gray with red brown mottling, low moisture, high to moderate density, Mn and Fe staining, 1.0" silt lens at 16.4'	1.77
					18	CL						Clay, minor silt content, light brownish gray, low moisture, moderate to high density, red brown and black mottling, 0.5" to 1.0" silt lenses at 18.2', 18.6', 18.7', 19.1', 19.4', and 19.6'	2.00
					20	CL						Clay, gray and grayish brown with red brown mottling, low moisture, high density, silty lenses at 20.1', 20.3, and 20.6', Ca nodules at (21.2'-21.4')	2.12
					22	ML						Silt, moderate clay content, grayish light brown, damp to low moisture, low density	0.94
					24	ML						Silt, minor clay content, brown, moderate to high moisture, low density shell fragments	0.80
												Silt, minor clay content, gray and brown to reddish brown, moderate moisture, low	



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BORING No. CD-11

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-02-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-03-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18926601, -92.61413244		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

	28-30	26	ML	density, shell fragments at 24.4'-24.8'	0.80
		26	CL	Clay, gray with yellow brown and red brown mottling, low moisture, high density, 0.5"-1.0" silt lenses at 26.3', 26.9', and 27.1'	1.66
		28	CL	Clay, gray and brown, low moisture, high density, silt lens at 28.2'-28.4'	
		28	ML	Silt, minor very fine grain sand content, brownish gray, saturated, low density	0.77
		30	ML	Silt, minor clay content (30.0'-31.2'), gray, high moisture to saturated, low density	0.88
		32	ML	Silt, gray, saturated, low density	0.74
		34	ML	Silt, minor clay content (34.0'-35.1'), gray to brownish gray, high moisture, low density	0.61
		36	CL	Clay, high silt content, brownish gray, low moisture, low density	0.95
		38	CL	Clay, low silt content, gray, low moisture, low to moderate density	1.23
		40	CL	Clay, minor to moderate silt content, gray, low moisture, low density	
		42	ML	Silt, minor very fine grain sand content, brown to grayish brown, high moisture to saturated, low density	0.53
		44	CL	Clay, moderate silt content, brownish gray, low moisture, low density	0.92
		44	CL	Clay, brownish gray to gray, low moisture, low density, silt lens at 43.7'-44.0'	
		46	CL	Clay, minor silt content, gray to brownish gray, low moisture, low to moderate density, wet silt at bottom	1.54
		48	ML	Silt, minor clay content, grayish brown, saturated, low density, silty clay lenses at (46.7'-46.9') and (47.5' to 47.8')	0.58
		50	ML	Silt, brownish gray, high moisture to saturated, low density	0.53



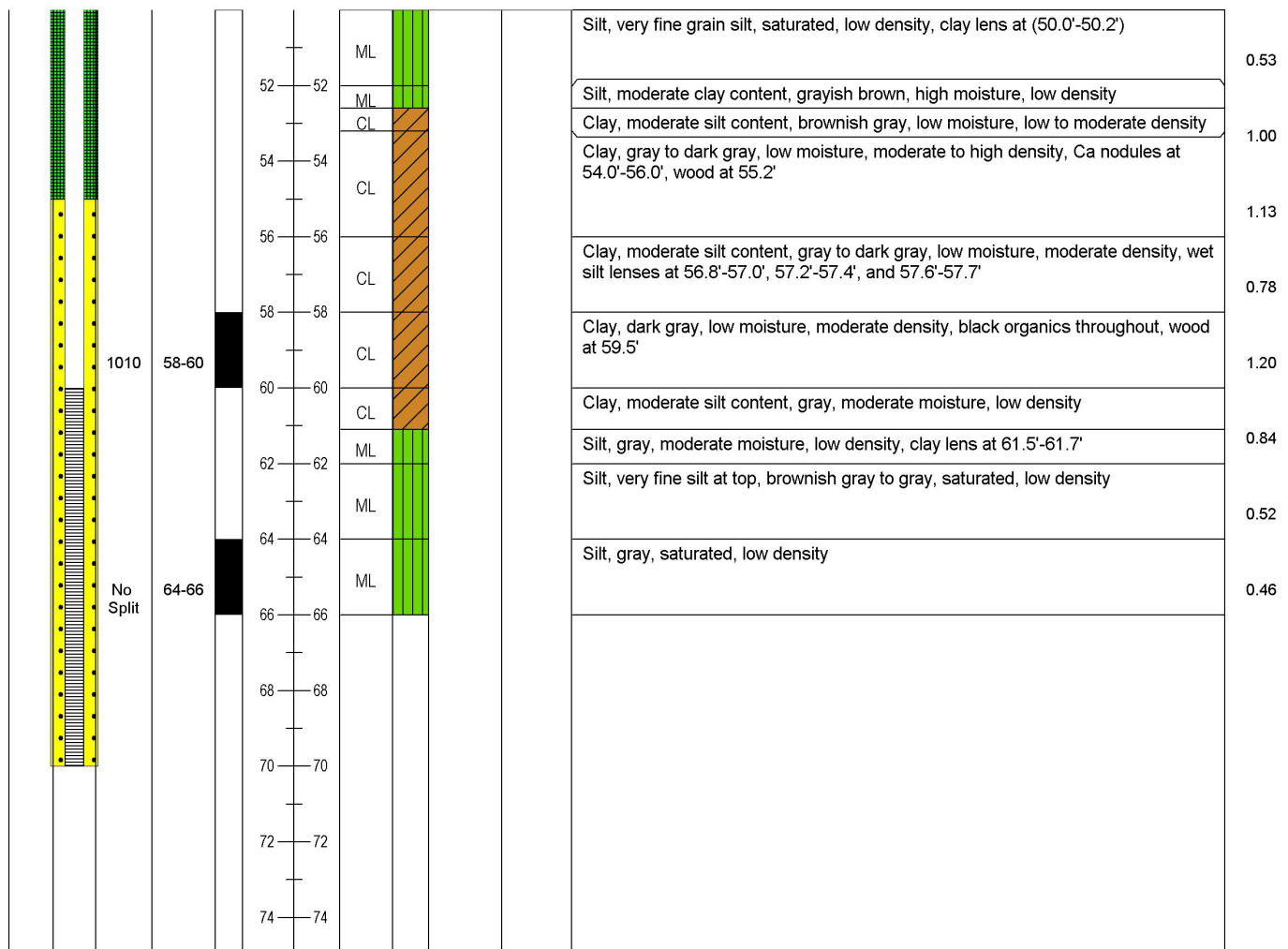
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BORING No. CD-11

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	05-02-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	05-03-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18926601, -92.61413244		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





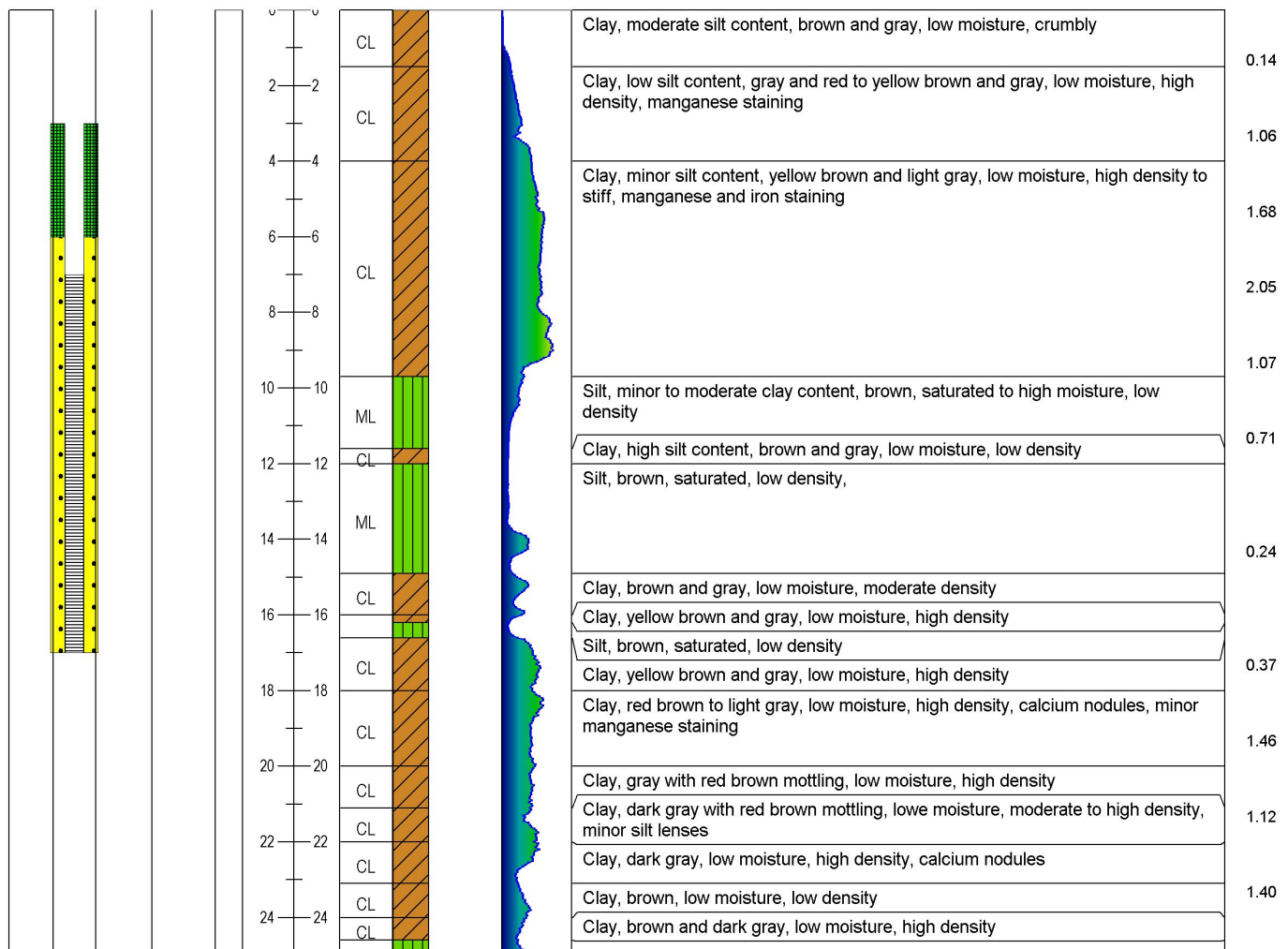
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BORING No. CD-12

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-06-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-06-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	40 Feet BLS
REMARKS	Field Coordinates: 30.18524055, -92.62312723		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





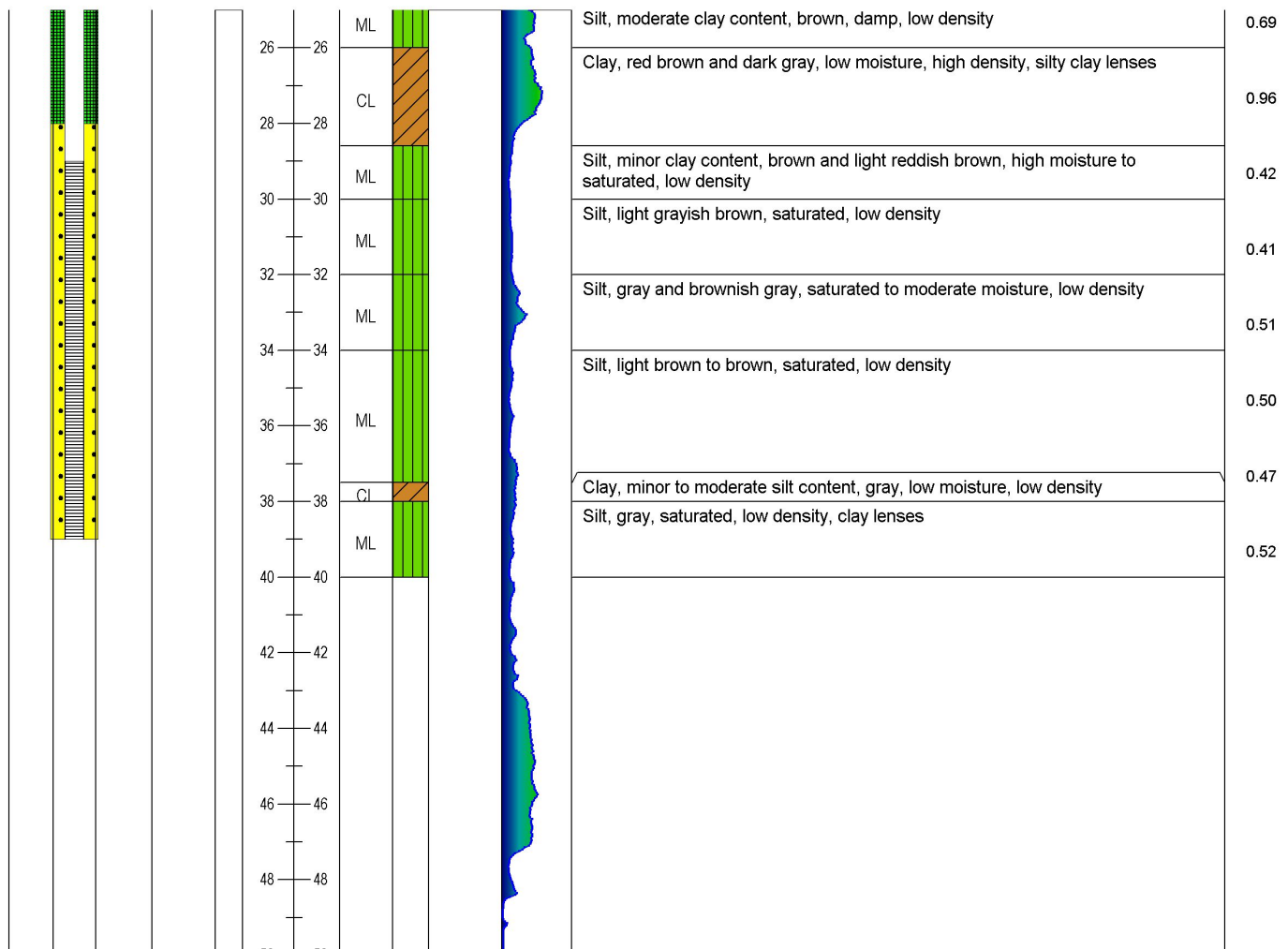
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BORING No. CD-12

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-06-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-06-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	40 Feet BLS
REMARKS	Field Coordinates: 30.18524055, -92.62312723		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	





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BORING No. CD-13

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-08-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-08-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18008646, -92.62251780		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

					0	ML						Silt, moderate clay content, brown and reddish brown, low moisture, crumbly	0.27
					2	CL						Clay, minor silt content, brown and dark brown, low moisture, high density, iron staining	0.99
					4	CL						Clay, minor silt, yellow brown, low moisture, moderate to high density, iron and manganese staining	1.30
					6	CL							0.69
					8	ML						Silt, minor clay content, yellow brown, low moisture, low density, crumbly	0.97
					10	SM						Sand, very fine grained, moderate to high silt content, light brown, low moisture, low density	0.11
					12	CL						Clay, minor to moderate silt content, red brown and light gray, low moisture, moderate to high density, calcium nodules	1.45
					14	CL							2.51
					16	CL						Clay, minor to moderate silt content, grayish brown, low moisture, low to moderate density, calcium nodules, shell hash, silt lenses	1.11
					18	CL						Clay, brownish gray with red brown mottling, low moisture, high density, silt lenses	1.61
					20	CL						Clay, moderate to high silt content, brownish gray with red brown mottling, low moisture, high density, calcium nodules, shell hash	1.77
					22	ML						Silt, minor clay content, light reddish brown, high moisture to saturated, low density	0.67
					24	ML							



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PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-08-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-08-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18008646, -92.62251780		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

					26	ML						Silt, clay content increasing with depth, reddish brown, saturated, low density	1.26
					28	CL						Clay, brownish grey to light grey, low moisture, high density	1.32
					30	ML						Silt, minor to moderate clay content, greyish brown, damp, low density	1.02
					32	ML						Clay, minor to moderate silt content, brownish grey, low moisture, moderate density	0.87
					34	ML						Silt, greyish, brown, saturated, low density	0.85
					36	ML						Silt, minor very fine grained sand, greyish brown, saturated, low density	0.71
					38	ML							0.69
					40	ML							0.74
					42	ML							0.74
					44	CL						Clay, minor silt content, grey/dark grey, low moisture, moderate density	0.95
					46	CL						Clay, grey/dark grey, low moisture, moderate to high density increasing with depth, organics (47.2-48')	1.45
					48	CL						Clay, dark grey, low moisture, moderate density, wood and saturated silt lens	1.11
					50	ML						Silt, dark brownish grey, saturated, low density, moderate clay content at bottom	0.63
					52	ML						Silt, minor clay content, dark grey, high moisture to saturated, low density, clay	



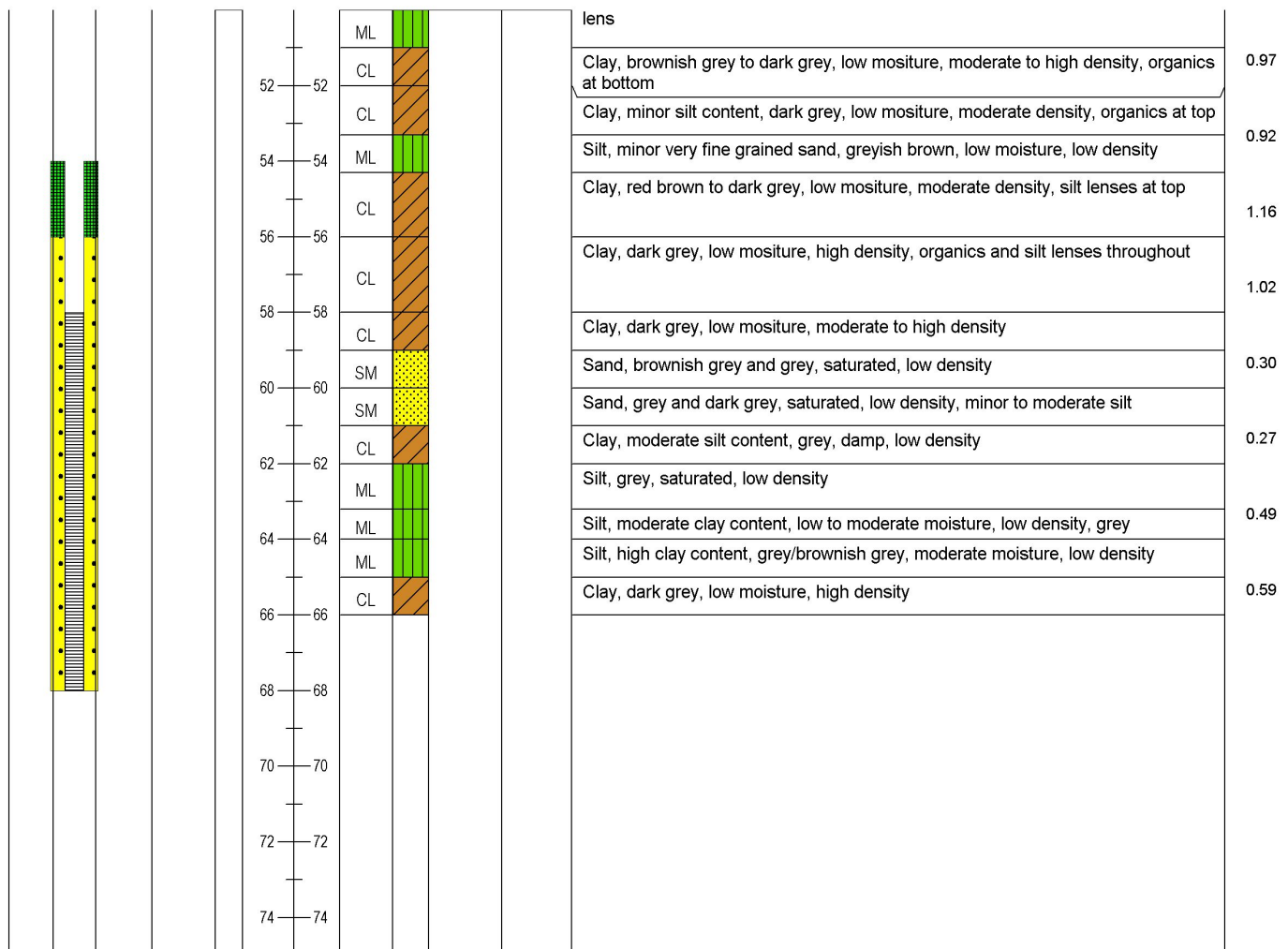
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BORING No. CD-13

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-08-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-08-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18008646, -92.62251780		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





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BORING No. CD-14

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-10-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-10-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18768813, -92.61147829		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

					0	ML						Silt, high clay content, brown/red brown mottled, low moisture to dry, low density	1.75
					2	CL						Clay, brown and gray with red/brown mottling, low moisture, moderate density, silty clay lens at 2.5-3.0'	3.81
0805		2-4			4							Clay, minor to moderate silt content (2-4'), yellow brown and light gray, low moisture, moderate to high density, red brown mottling from 2-4'	3.45
0810		4-6			6	CL							2.77
0815		6-8			8							Clay, light gray, yellow brown and red brown mottling, low moisture, high density, calcium nodules at 9.2' and 10.6'	3.19
0820		8-10			10	CL							1.88
					12	SM						Sand, high silt content, brown, moderate to high moisture, low density, clay lens at 11.5-11.8', calcium nodules throughout	1.39
					14	SM						Sand, very fine grained, moderate to high silt content, black (0-12.6') and brown (12.6-14.2'), saturated, low density	4.32
					16	CL						Clay, yellow brown and light gray, low moisture, high density, iron mottling, calcium modules at 15.4-15.5' and 15.8-15.9'	2.44
					18	CL						Clay, yellow brown and light gray, low moisture, high density, iron mottling, silt lens at 16.5' (1/4" to 1/2"), clayey silt lens at 17-17.3', minor silt at 17.3-18'	3.71
					20	CL						Clay, minor silt content, yellow brown and light gray (19.5-20") with iron mottling, low moisture, high density, silt lens at 18.2, 18.6, and 19.4'	3.72
					22	CL						Clay, light gray with yellow brown/red brown mottling, low moisture, high density, calcium nodule at 20.5', manganese at 21.3', 1/4" to 1/2" silt lenses at 21', 21.6', and 21.7'	2.83
					24	ML						Clay, light gray, low moisture, high density, shell hash at 22.5-22.7'	
						ML						Silt, moderate clay content, light brown, low to moderate moisture, low density, calcium nodule/shell hash at 23.3-23.6'	3.47
						ML						Silt, minor to moderate clay content, light brown, moderate moisture, low density,	



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BORING No. CD-14

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-10-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-10-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18768813, -92.61147829		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

	0905	26-28	26	CL	Clay, light gray and brown, low moisture, moderate to high density, 1/4" silt lenses at 25.2, 25.8, and 26'	3.78
			28	CL	Clay, light gray and brown, low moisture, high density, 1" silt lens at 26.6', iron staining/mottling at 26.6-28'	2.41
			30	ML	Clay, gray and red brown mottled, low moisture, high density	1.05
			32	ML	Silt, moderate very fine grained sand, brownish gray, high moisture, low density	0.71
			34	ML	Silt, grayish brown, saturated, low density, shell hash at 30-31.4'	0.93
			36	ML	Silt, grayish brown, saturated, low density	0.64
			38	ML	Clay, gray and brown, low moisture, high density	0.56
			40	ML	Clay, moderate to high silt content, gray, low to moderate moisture, low density	0.53
			42	ML	Silt, gray/dark gray, saturated, low density	0.50
			44	ML	Silt, minor very fine grained sand content, dark gray, saturated, low density	0.51
			46	ML	Silt, minor very fine grained sand content, grayish brown, low to moderate moisture, low density	0.54
			48	ML	Silt, grayish brown, saturated, low density	0.90
			50	CL	Clay, brownish gray to light gray, low moisture, low density, 1" silt lens at 48.1'	



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BORING No. CD-14

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-10-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-10-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Ryan Leonards	TOTAL DEPTH	66 Feet BLS
REMARKS	Field Coordinates: 30.18768813, -92.61147829		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

					52	CL						Clay, gray, low moisture, low density, wood chunk at top and wood throughout	1.05
					54	CL						Clay, gray and light gray, low moisture, low density, organics/wood throughout	0.91
					56	ML						Silt, moderate to high clay content, gray, moderate to high moisture, low density	1.14
					58	ML						Silt, moderate clay content, dark gray, high moisture to saturated, low density, clay lens at 57.2-57.4'	0.52
					60	ML						Silt, moderate to high clay content, gray, high moisture, low density	0.49
					62	ML						Silt, gray, saturated, low density, clay lens at 59.6-59.8'	0.53
					64	ML						Silt, minor very fine grained sand content, dark gray, saturated, low density	2.11
					66							Silt, minor to moderate very fine grained sand content, dark gray, saturated, low density, clay lens at 62.5' and 63.1-63.3'	4.03
					68							Not Logged	
					70								
					72								
					74								



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BORING No. CD-15

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-15-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-15-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Donald Watts	TOTAL DEPTH	98 Feet BLS
REMARKS	Field Coordinates: 30.18801, -92.6137529		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

					0	CL						Clay, moderate silt content, brown, low moisture, moderate density, iron	0.25
					2	CL						Clay, brown and dark gray, low moisture, moderate to high density, iron	1.01
0805			2-4		4	CL						Clay, brown and gray, low moisture, moderate to high density, iron, manganese	1.92
0810			4-6		6	CL						Clay, moderate silt content, light gray and brown, low moisture, moderate to high density, iron, manganese	2.49
0815			6-8		8	ML						Silt, brown and yellow brown, low moisture, moderate density, iron, manganese	3.05
0820			8-10		10	CL						Clay, brown and light gray, low moisture, moderate to high density, manganese, calcium at 11'	2.65
					12	CL						Clay, brown and light gray, low moisture, moderate to high density, iron, calcium at 12.1-12.2', manganese	2.49
					14	CL						Clay, tan and light gray, low moisture, low to moderate density, iron, manganese, silt lenses	2.13
					16	CL						Clay, tan and light gray, low moisture, low to moderate density, iron, manganese, silt lenses	1.67
					18	CL						Clay, tan and light gray, low moisture, low to moderate density, silt lenses	2.02
					20	CL							2.25
					22	CL							0.87
					24	ML						Silt, moderate clay content, brownish gray, moderate moisture to saturated, low density, shell	2.21



PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al
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DATE STARTED 06-15-2022

PROJECT NUMBER 1009.A75

DATE COMPLETED 06-15-2022

LOCATION Mermentau, LA

CASING TYPE/DIAMETER PVC / 0.75'

DRILLING METHOD Geoprobe 7822 DT

SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
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SAMPLING METHOD 2.25" x 4' Dual Tube

SAND PACK/TYPE 20/40 Silica

GROUND ELEVATION N/A

GROUT TYPE/QUANTITY	4% Bentonite Slurry
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TOP OF CASING	N/A
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DRILLED DEPTH TO WATER N/A

LOGGED BY Donald Watts

TOTAL DEPTH 98 Feet BLS

REMARKS Field Coordinates: 30.18801, -92.6137529

	26	CL	Clay, brown and gray, low moisture, moderate density, iron, manganese, silt lenses	2.12
	28	ML	Silt, moderate clay content, brown and gray, moderate moisture to saturated, low density	0.90
	30	ML	Silt, brown, saturated, low density, clay lense 28.7-29'	1.03
	32	CL	Silt, brown, saturated, low density, minor clay content at 31.4-31.6'	1.05
	34	ML	Clay, minor silt content, gray and brown, low moisture, low to moderated density	0.74
	36	ML	Clay, grey and light gray, low moisture, low to moderate density	0.77
	38	ML	Silt, brown, saturated, low density, clay lenses 33.3-33.5'	0.74
	40	ML	Silt, minor very fine grained sand content, brown, saturated, low density	0.75
	42	ML	Silt, moderate very fine grained sand content, brown, saturated, low density	0.73
	44	ML	Silt, brown, saturated, low density	0.76
	46	CL	Silt, minor clay content,	0.95
	48	ML	Clay, gray and brown, low moisture, low density	1.43
	50	CL	Silt, moderate clay content, brown and gray, saturated, low density	
	52	CL	Clay, gray, low moisture, low density	
	54	CL	Clay, gray, low moisture, low density, organics 49.7-50', silt lens 50.5-50.6'	

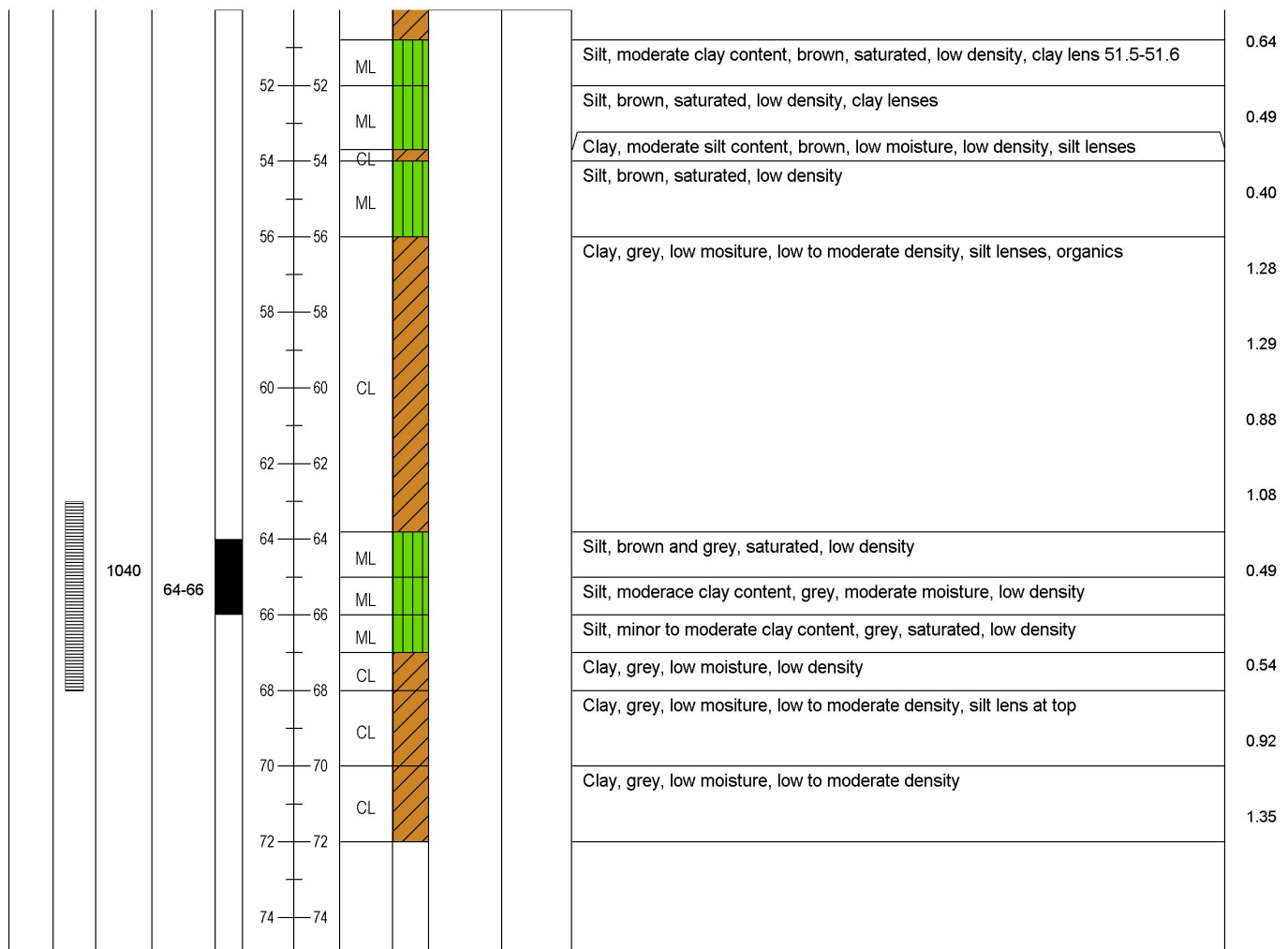
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BORING No. CD-15

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-15-2022
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-15-2022
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Donald Watts	TOTAL DEPTH	98 Feet BLS
REMARKS	Field Coordinates: 30.18801, -92.6137529		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		



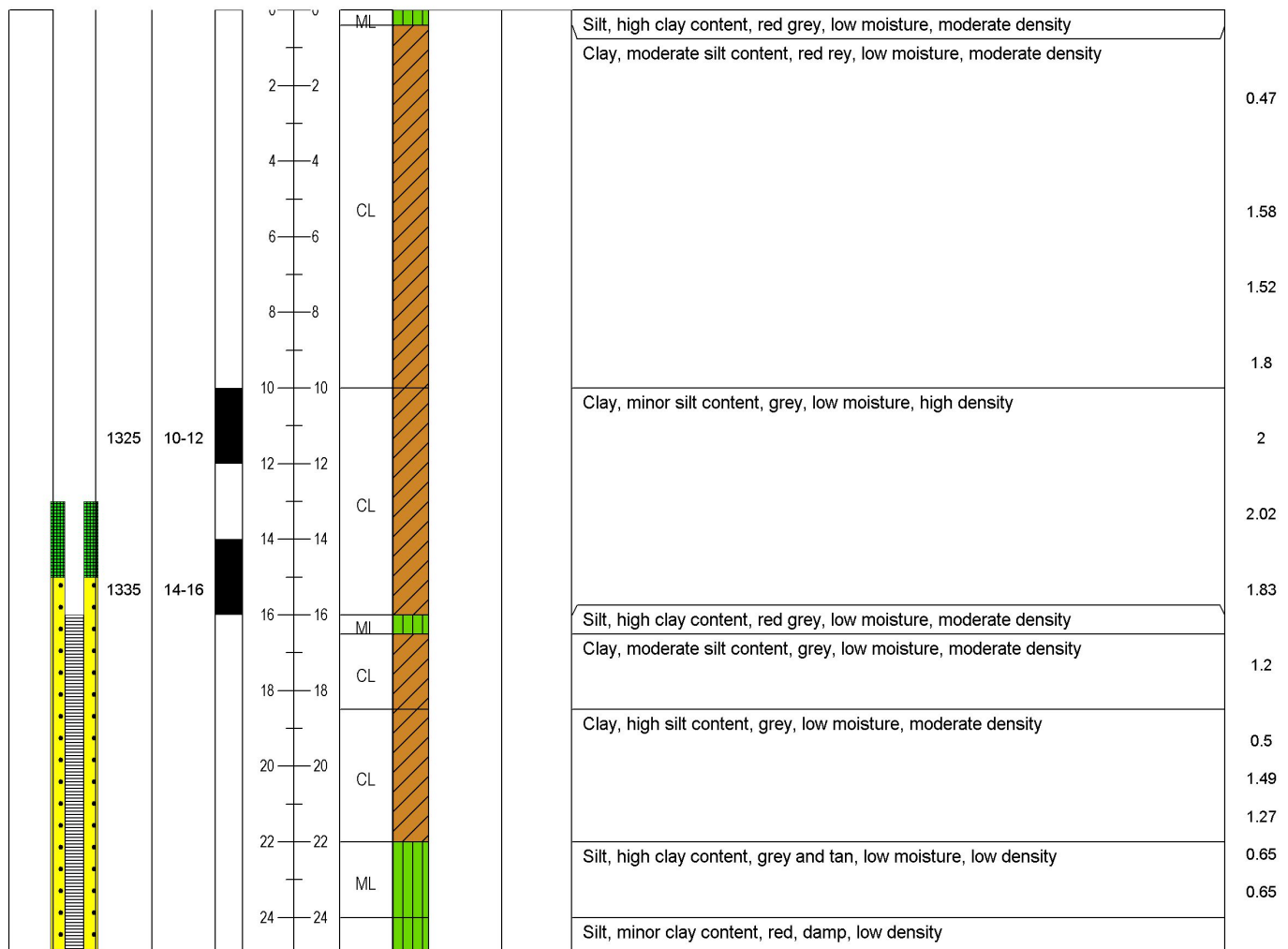
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BORING No. CD-16

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-10-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-10-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	60 Feet BLS
REMARKS	Field Coordinates: 30.18417667, -92.61520676		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		



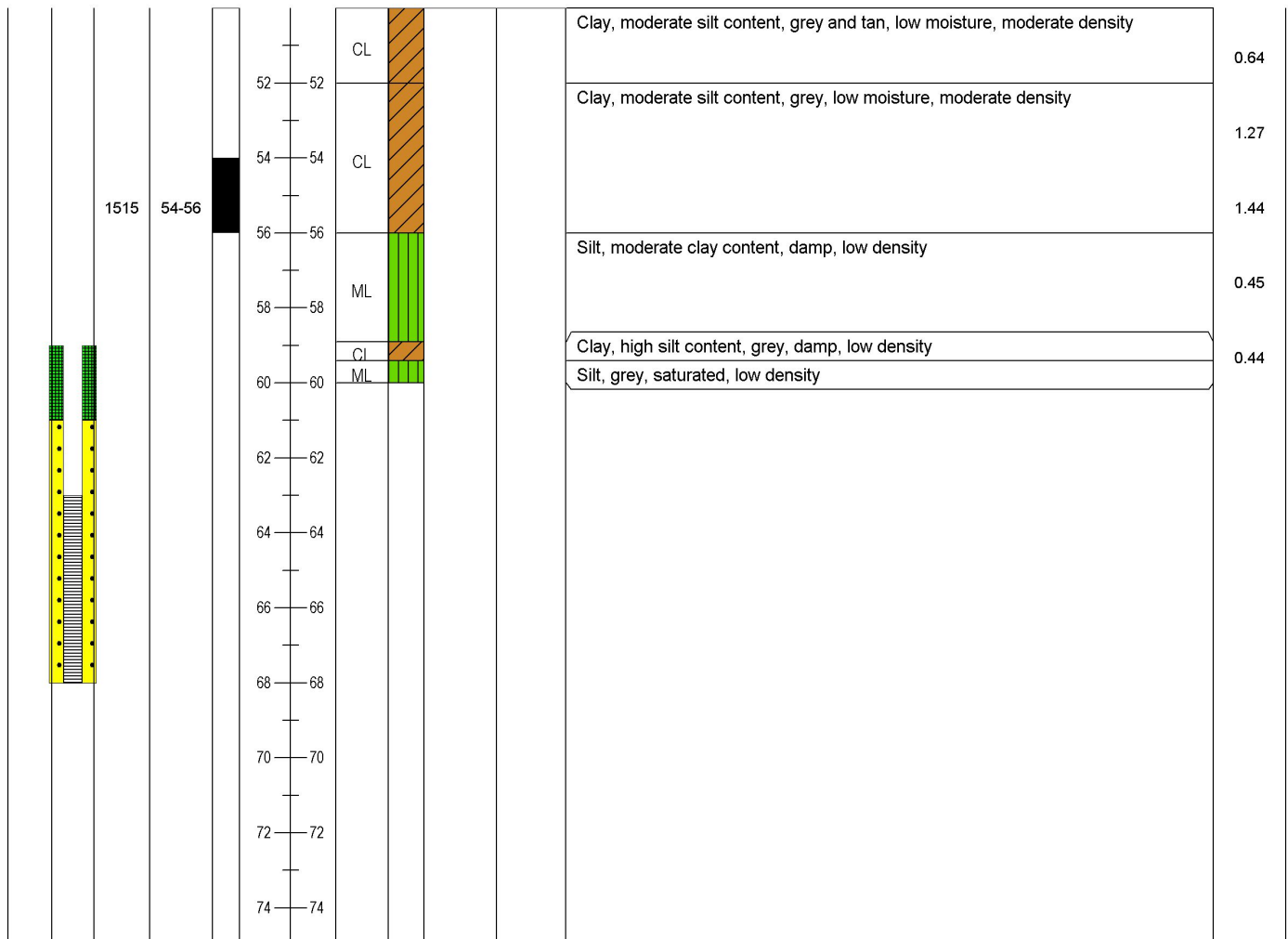


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BORING No. CD-16

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-10-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-10-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	60 Feet BLS
REMARKS	Field Coordinates: 30.18417667, -92.61520676		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	



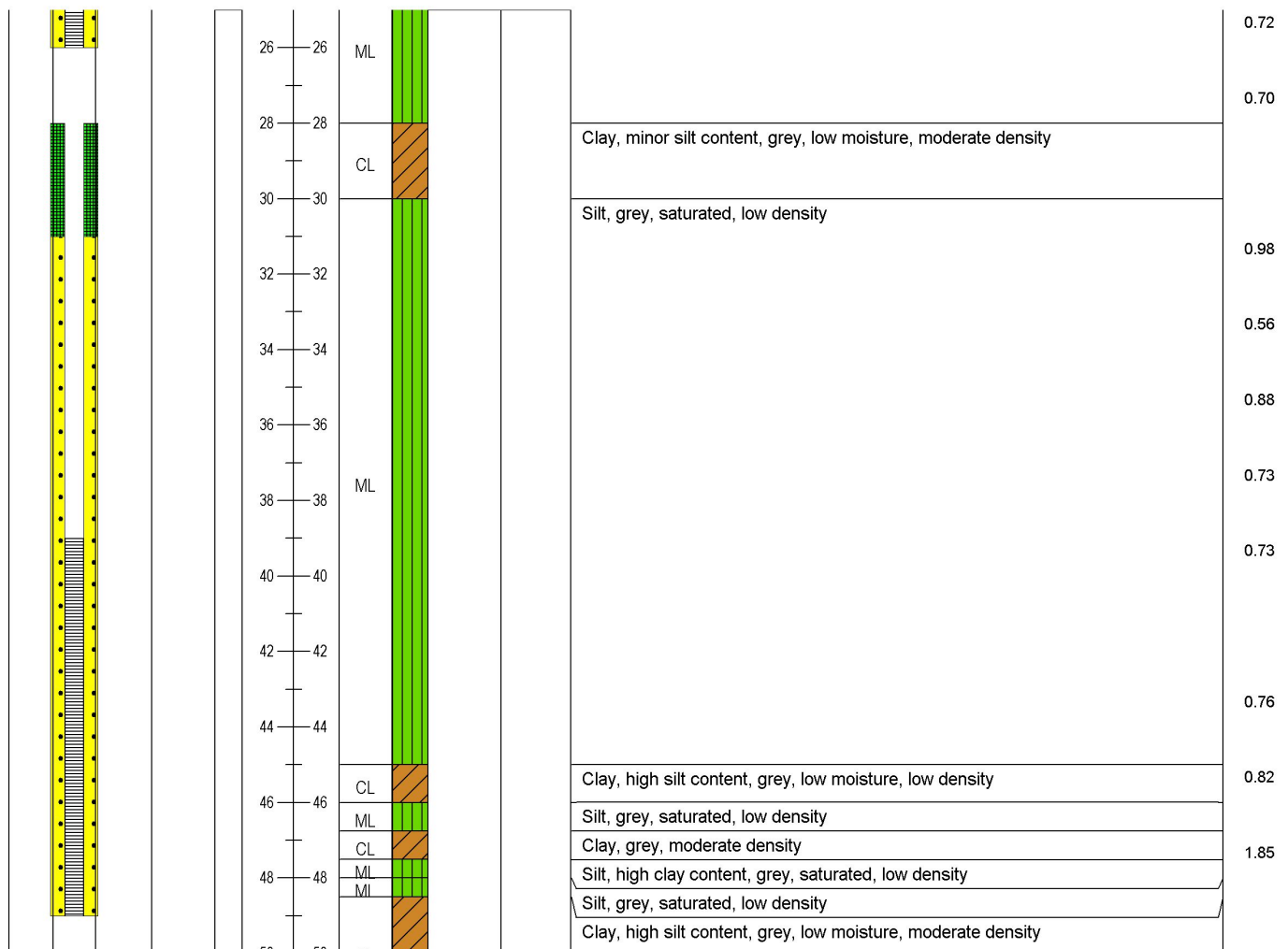
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BORING No. CD-17

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-14-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-17-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	68 Feet BLS
REMARKS	Field Coordinates: 30.17941179, -92.61662561		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		



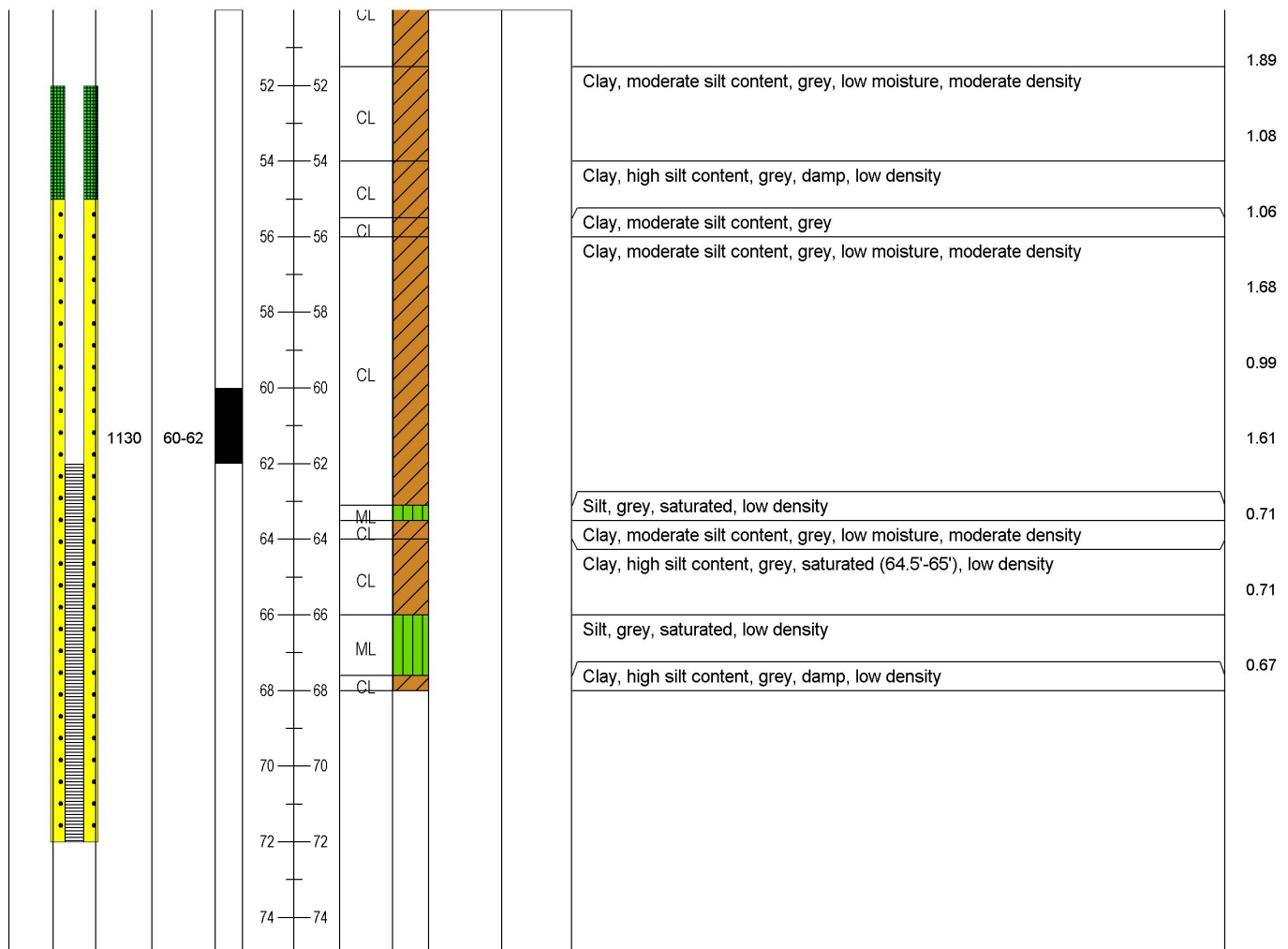
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BORING No. CD-17

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	06-14-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	06-17-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	68 Feet BLS
REMARKS	Field Coordinates: 30.17941179, -92.61662561		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





REMARKS Field Coordinates: 30.17836, -92.61795

TOTAL DEPTH 64 Feet BLS

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BORING No. CD-18

PROJECT NAME Castex Development, LLC v. Anadarko Petroleum Corporation, et al DATE STARTED 07-23-2024

PROJECT NUMBER 1009.A75 DATE COMPLETED 07-29-2024

LOCATION Mermentau, LA CASING TYPE/DIAMETER PVC / 0.75"

DRILLING METHOD Geoprobe 7822 DT SCREEN TYPE/SLOT PVC with Filter Sock / 0.010" slot

SAMPLING METHOD 2.25" x 4' Dual Tube SAND PACK/TYPE 20/40 Silica

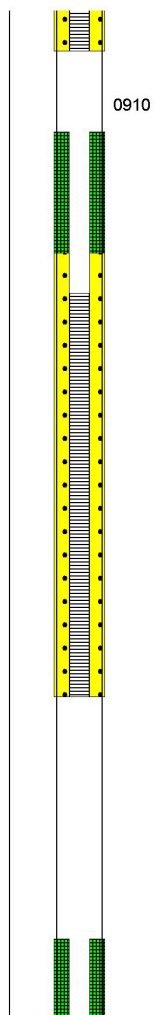
GROUND ELEVATION N/A GROUT TYPE/QUANTITY 4% Bentonite Slurry

TOP OF CASING N/A DRILLED DEPTH TO WATER N/A

LOGGED BY Todd Webb TOTAL DEPTH 64 Feet BLS

REMARKS Field Coordinates: 30.17836, -92.61795

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	

	26-28	0910	CL	CL	26	26	CL	Clay, minor silt content, gray, low moisture, moderate density	0.82

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BORING No. CD-18

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	07-23-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	07-29-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Todd Webb	TOTAL DEPTH	64 Feet BLS
REMARKS	Field Coordinates: 30.17836, -92.61795		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

	1025	56-58	52	CL	Clay, gray, low moisture, moderate density, silt lens at 50.8'-50.9' and 51.8'-51.9'	1.05
			54	ML	Silt, moderate clay content, gray brown, moderate moisture, low density, wood at 52.8'	0.54
			56	ML	Silt, gray saturated, low density	0.49
			58	ML	Silt, moderate clay content, gray, moderate moisture to saturated, low density, wood at 57.1'	0.98
			60	CL	Clay, moderate silt content, gray, low moisture, moderate density	0.57
			62	ML	Silt, moderate clay content, gray, saturated, low density	0.62
			64	CL	Clay, moderate silt content, low moisture, moderate density, saturated silt lens at 60.6'-60.9' and 61.8-62'	0.64
			66	ML	Silt, gray, saturated, low density, clay lens at 62.7'-62.8' and 63.1'-63.2'	
			68			
			70			
			72			
			74			

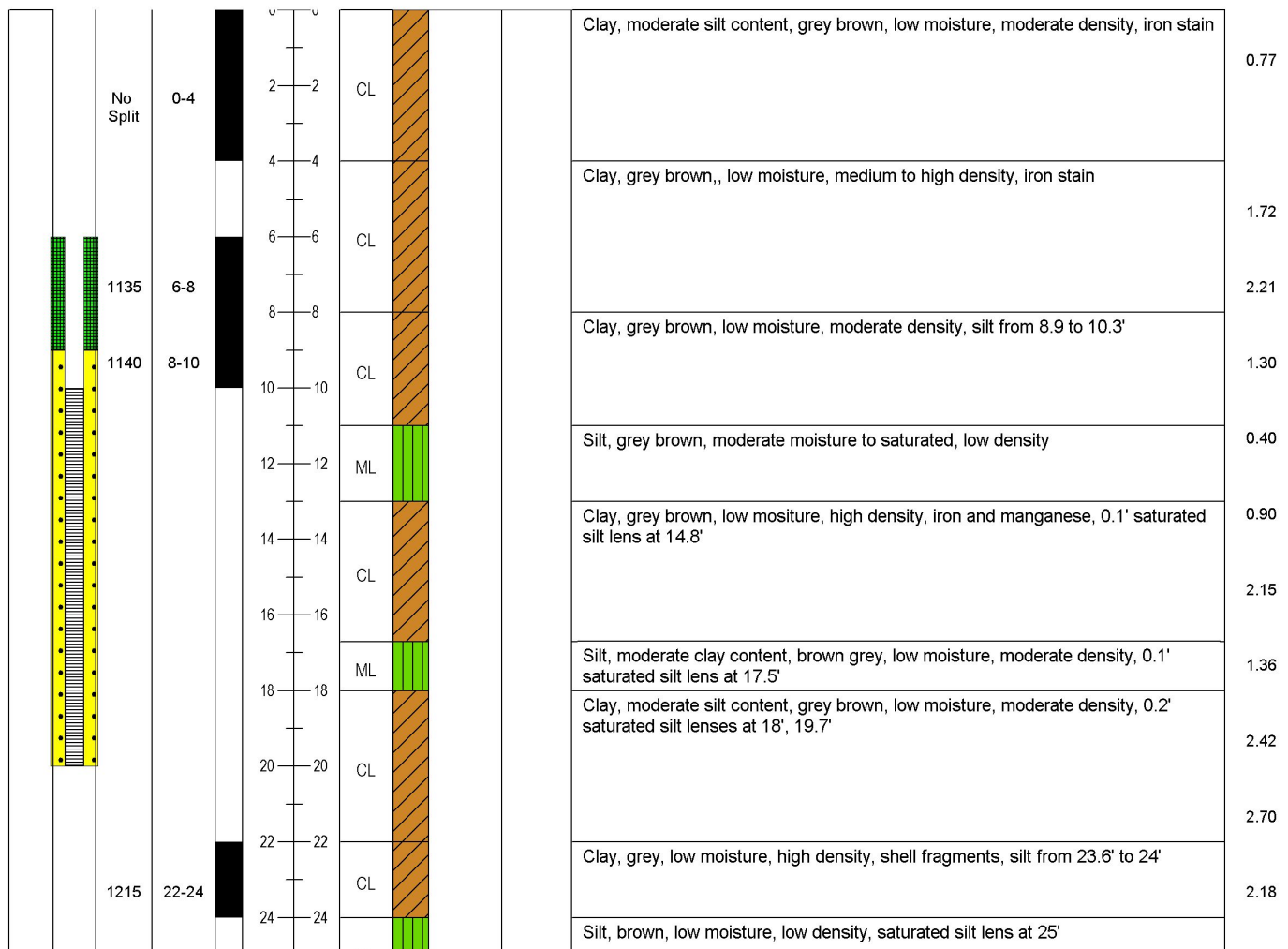
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BORING No. CD-19

PROJECT NAME Castex Development, LLC v. Anadarko Petroleum Corporation, et al DATE STARTED 07-29-2024
PROJECT NUMBER 1009.A75 DATE COMPLETED 08-01-2024
LOCATION Mermentau, LA CASING TYPE/DIAMETER PVC / 0.75"
DRILLING METHOD Geoprobe 7822 DT SCREEN TYPE/SLOT PVC with Filter Sock / 0.010" slot
SAMPLING METHOD 2.25" x 4' Dual Tube SAND PACK/TYPE 20/40 Silica
GROUND ELEVATION N/A GROUT TYPE/QUANTITY 4% Bentonite Slurry
TOP OF CASING N/A DRILLED DEPTH TO WATER N/A
LOGGED BY Todd Webb TOTAL DEPTH 80 Feet BLS
REMARKS Field Coordinates: 30.17865, -92.62061

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	



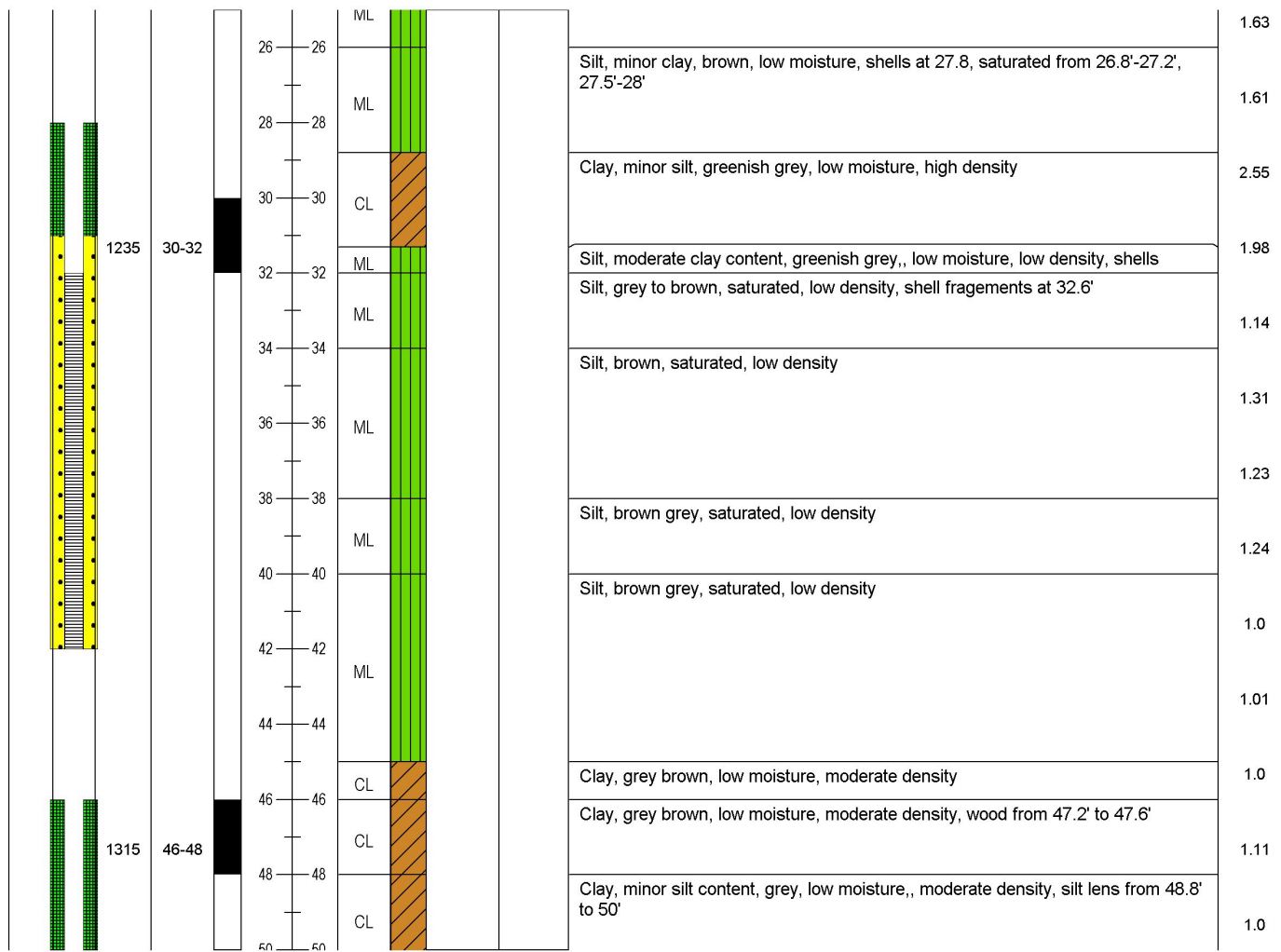
**HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.**

Environmental Consultants
620 Apollo Road
Scott, Louisiana 70583
(337) 261-1963
Fax (337) 261-1953

BORING No. CD-19

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	07-29-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	08-01-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Todd Webb	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.17865, -92.62061		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg	psi			
								0	300	0	300	



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LOGGED BY	Todd Webb	TOTAL DEPTH	80 Feet BLS
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								avg psi		mS/m			
								0	300	0	300		

	1405	66-68	52	ML	Silt, moderate clay content, brown grey, moderate moisture, low density	1.40
			52	ML	Silt, minor clay content, grey brown, saturated, low density, clay lenses throughout	0.53
			54		Silt, moderate clay content, grey brown, damp, low density	0.42
			56			
			58	ML		0.36
			60			0.53
			60	CL	Clay, grey, low moisture, moderate density, wood at 60.5'	
			62	ML	Silt, minor clay content, moderate moisture, low density wood at 62'	1.01
			62	ML	Silt, moderate clay content, grey brown, moderate moisture to saturated, low density, clay lenses from 63.5'-63.7', 64.8' to 65'	1.03
			64			
			66	CL	Clay, minor silt content, grey, low moisture, moderate density	1.11
			66	CL	Clay, grey, low moisture, moderate density, wood	
			68	ML	Silt, minor clay content, grey, saturated to moderate moisture, low density, wood	1.35
			68	ML	Silt, grey, saturated, low density	



PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	07-29-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	08-01-2024
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DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Todd Webb	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.17865, -92.62061		

0800	78-80	76	CL	Clay, grey, low moisture, moderate to high density	1.0
		78			1.0
		80			1.20
		82			
		84			
		86			
		88			
		90			
		92			
		94			
		96			
		98			
		100			



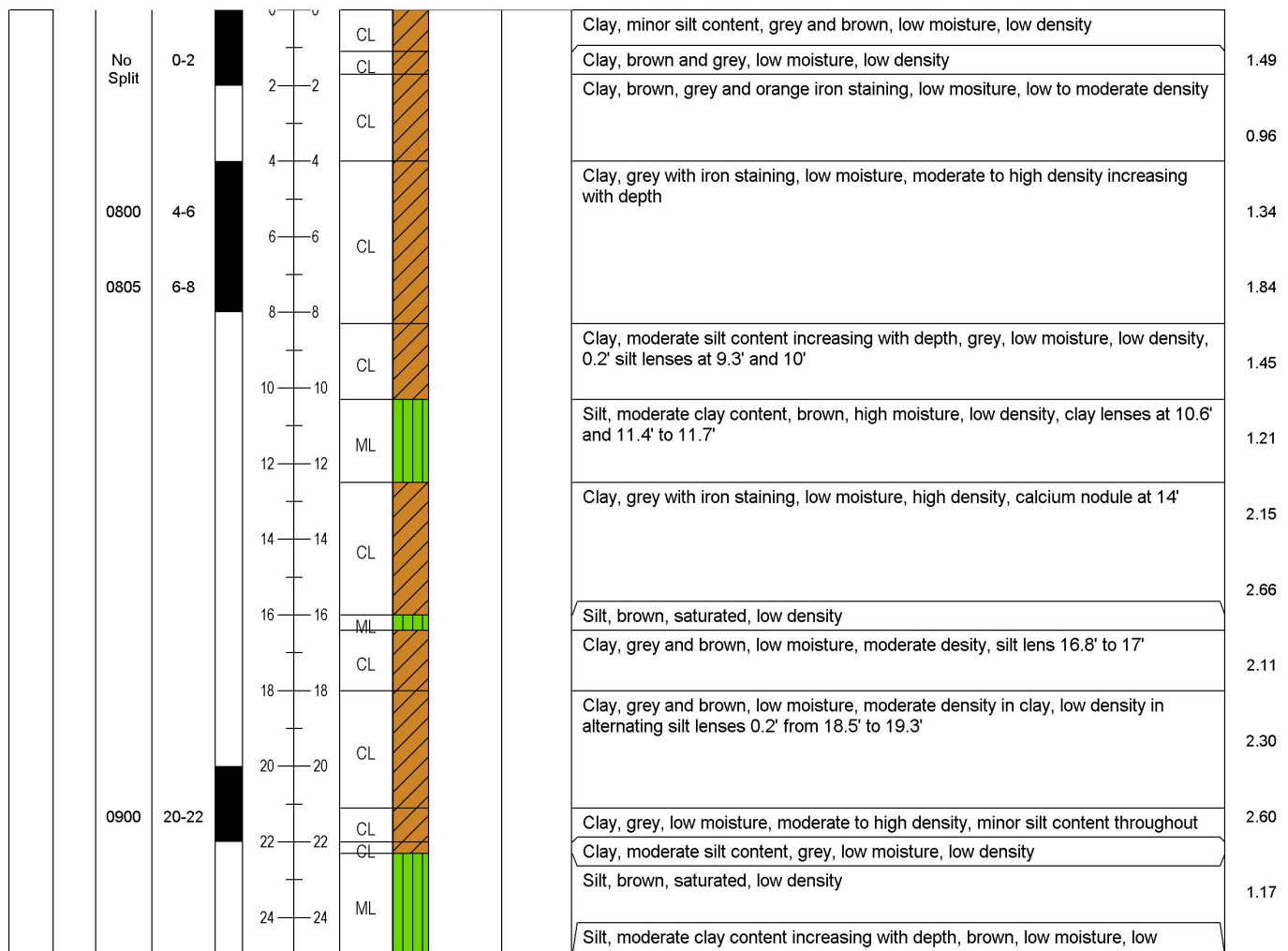
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BORING No. CD-20

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	08-01-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	08-01-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Todd Webb	TOTAL DEPTH	48 Feet BLS
REMARKS	Field Coordinates: 30.1766499, -92.6200773		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		





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BORING No. CD-20

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al	DATE STARTED	08-01-2024
PROJECT NUMBER	1009.A75	DATE COMPLETED	08-01-2024
LOCATION	Mermentau, LA	CASING TYPE/DIAMETER	PVC / 0.75"
DRILLING METHOD	Geoprobe 7822 DT	SCREEN TYPE/SLOT	PVC with Filter Sock / 0.010" slot
SAMPLING METHOD	2.25" x 4' Dual Tube	SAND PACK/TYPE	20/40 Silica
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	4% Bentonite Slurry
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Todd Webb	TOTAL DEPTH	48 Feet BLS
REMARKS	Field Coordinates: 30.1766499, -92.6200773		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	HPT		EC		LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
								avg psi		mS/m			
								0	300	0	300		

					26	ML						density, calcium nodules from at 26'	1.15
					26	CL						Clay, moderate silt content, brown, low moisture, low density	
					28	CL						Clay, brown and grey, low moisture, moderate to high density, moderate silt content 27.3'	1.44
					28	ML						Silt, brown, saturated, low density	
					30	CL						Clay, brown and grey, low moisture, moderate density	1.75
			0925	30-32	30	CL						Clay, brown, low moisture, moderate density, silt lenses from 30.3' to 30.6' and 31.6' to 31.7'	1.91
					32	CL						Clay, grey, low moisture, low density	1.43
					34	CL							
					36	ML						Silt, brown, saturated, low density	0.88
					36	CL						Clay, moderate silt content, brown, low moisture, low density	0.93
					38	ML						Silt, brown, saturated, low density, 0.2' silt lens at bottom	
					38	ML						Silt, brown, saturated, low density	0.84
					40	ML						Clay, brown, low moisture, damp at top, low density, silt content decreasing with depth	0.90
					42	CL						Clay, grey, low moisture, low density increasing with depth	1.57
			0955	42-44	42	CL						Silt, high clay content, grey, damp, low density	
					44	ML						Clay, grey, low moisture, low density	0.92
					46	ML						Silt, grey, saturated, low density	0.60
					48	ML							
					50								