

APPENDIX D
GEOLOGICAL BORING LOGS

**HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.**

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

BORING No. CD-05R

PROJECT NAME Castex Development, LLC v. Anadarko Petroleum Corporation, et al. DATE STARTED 04-21-2025

PROJECT NUMBER 1009.A75 DATE COMPLETED 04-21-2025

LOCATION Jennings, La CASING TYPE/DIAMETER N/A

DRILLING METHOD Geoprobe 8150LS SCREEN TYPE/SLOT N/A

SAMPLING METHOD 4" x 10' sonic core SAND PACK/TYPE N/A

GROUND ELEVATION N/A GROUT TYPE/QUANTITY Portland Bentonite Grout

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

LOGGED BY Jean Dupuy TOTAL DEPTH 80 Feet BLS

REMARKS Field Coordinates: 30.18395254, -92.62159248

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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					0			Silt, minor clay content, gray and brown, low moisture, low density	-
					2	ML		Silt, moderate clay content, grayish brown, low moisture, low density, hematite staining	-
					4				1.167
					6	CL		Clay, greenish gray, low moisture, moderate density, iron, manganese, moderate silt content at 8.2-8.6' and 9.2-9.6' (low to moderate moisture)	1.930
					8				0.879
					10				2.32
					12	ML		Silt, low to moderate clay content, moderate moisture, low density	0.48
					14	CL		Clay, light gray, low moisture, moderate density, calcium, iron, hematite staining	2.04
					16				1.91
					18	ML		Silt, moderate very fine grained sand content, minor clay content, brown gray, low to moderate moisture, low density	1.22
					20	CL		Clay, gray, low moisture, low density, calcium, hematite staining	2.15
					22	ML		Silt, minor clay content, brown, saturated, low density	1.39
					24	CL		Clay, gray, low moisture, low to moderate density, calcium, iron, silt lens (moderate moisture) at 4.0-4.6'	1.68
									2.38



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PROJECT NUMBER	1009.A75	DATE COMPLETED	04-21-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Jean Dupuy	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18395254, -92.62159248		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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					26	CL		Clay, gray, low moisture, low to moderate density, calcium, iron, silt lens (moderate moisture) at 4.0-4.6'	1.76
					28				
					30	ML		Silt, moderate clay content, brownish gray, moderate moisture, low density	2.08
					32				0.48
					34				0.62
					36	CL		Clay, gray, low moisture, low density, silt lens at 35.3-35.8'	1.25
					38				1.25
					40	ML		Silt, minor clay content, dark gray, moderate to high moisture, low density, shell fragments	0.61
					42	CL		Clay, moderate silt content, gray, low to moderate moisture, low density	0.65
					44	ML		Silt, moderate clay content, gray, moderate to high moisture, low density	0.79
					46	CL		Clay, moderate silt content, gray, low moisture, low density	0.54
					48	ML		Silt, minor to moderate clay content, moderate moisture, low density	0.63
					50	CL		Clay, minor to moderate silt content, gray, low moisture, low density	1.01



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LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Jean Dupuy	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18395254, -92.62159248		

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					52	CL		Clay, minor to moderate silt content, gray, low moisture, low density	3.25
					52				
					54	ML		Silt, moderate very fine grained sand content, minor to moderate clay content, gray brown, moderate to high moisture, low density	2.29
					54				2.99
					56				
					56			Clay, minor silt content, gray, low moisture, low to moderate density, wood, organics, peat, calcium at 56.4'	6.99
					58				9.19
					60				
					60	CL		Clay, minor silt content, gray, low moisture, low to moderate density (increasing with depth), shell fragments, peat at 64-65', iron	8.30
					62				8.95
					64				6.14
					66				
					66	ML		Silt, minor to moderate clay, trace sand content, gray, moderate moisture, low density	5.39
					68				
					68	CL		Clay, minor silt content, gray, low moisture, low density,, wood at 68.5', silty clay lens at 69.3-69.4'	3.74
					70				
					70	ML		Silt, moderate very fine grained sand content, saturated, low density	4.28
					72				
					72	CL		Clay, gray, low moisture, moderate density, calcium, iron	3.44
					74				2.68

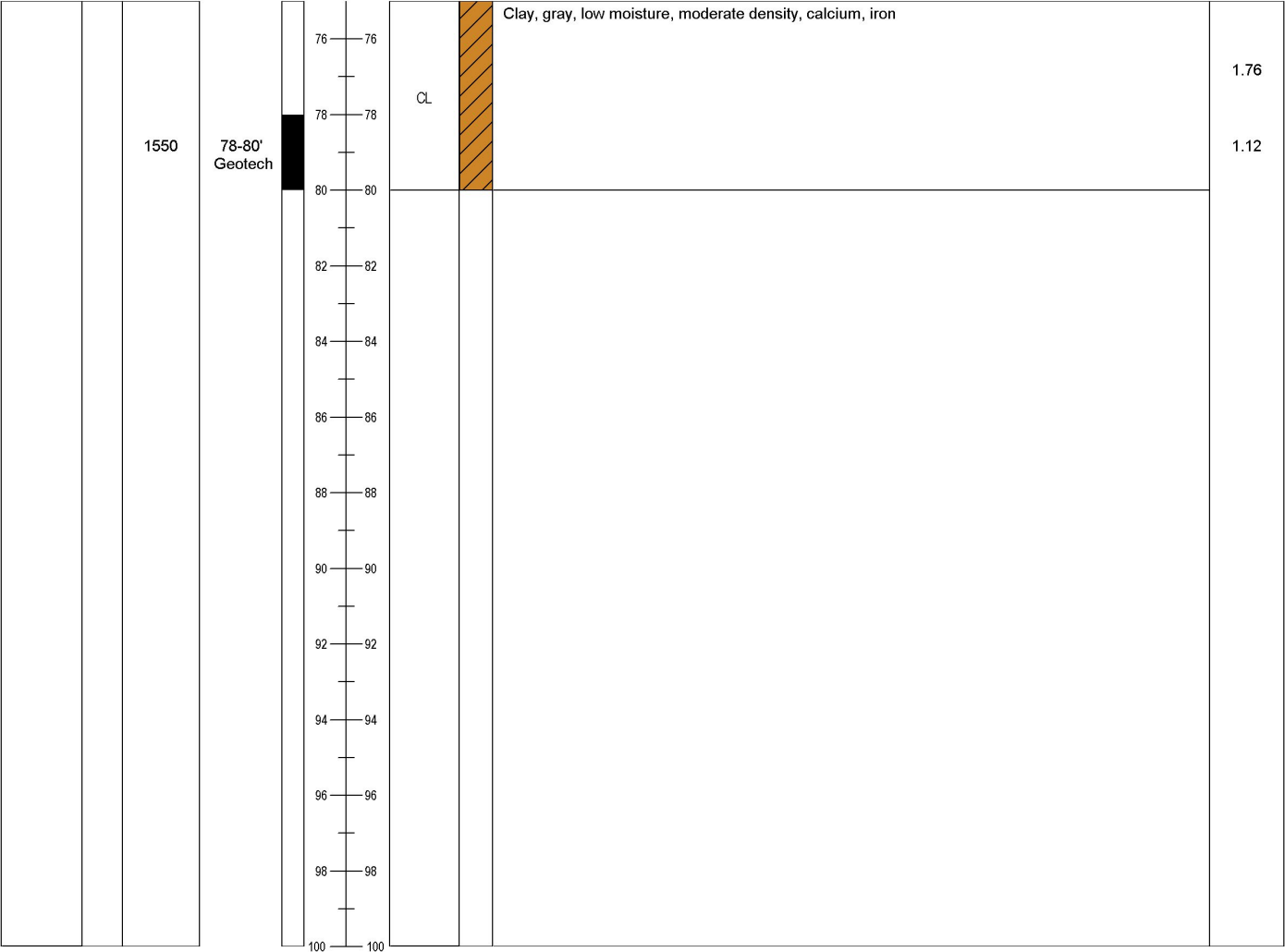


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LOGGED BY	Jean Dupuy	TOTAL DEPTH	80 Feet BLS
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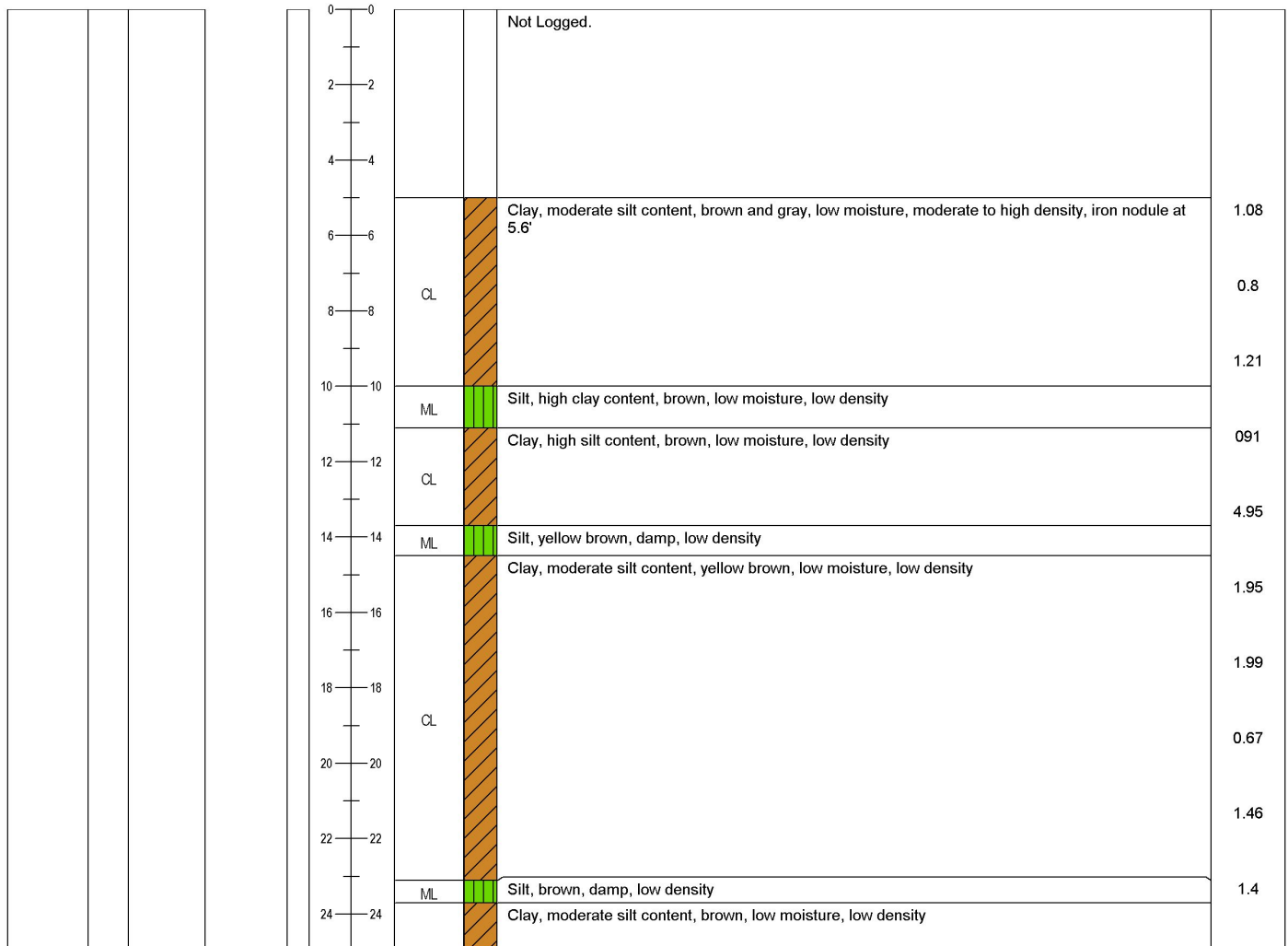
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BORING No. CD-10R

PROJECT NAME Castex Development, LLC v. Anadarko Petroleum Corporation, et al. DATE STARTED 04-15-2025
PROJECT NUMBER 1009.A75 DATE COMPLETED 04-15-2025
LOCATION Jennings, La CASING TYPE/DIAMETER N/A
DRILLING METHOD Geoprobe 8150LS SCREEN TYPE/SLOT N/A
SAMPLING METHOD 4" x 10' sonic core SAND PACK/TYPE N/A
GROUND ELEVATION N/A GROUT TYPE/QUANTITY Portland Bentonite Grout
TOP OF CASING N/A DRILLED DEPTH TO WATER N/A
LOGGED BY Darryl Carroll TOTAL DEPTH 90 Feet BLS
REMARKS Field Coordinates: 30.18340836, -92.62568827

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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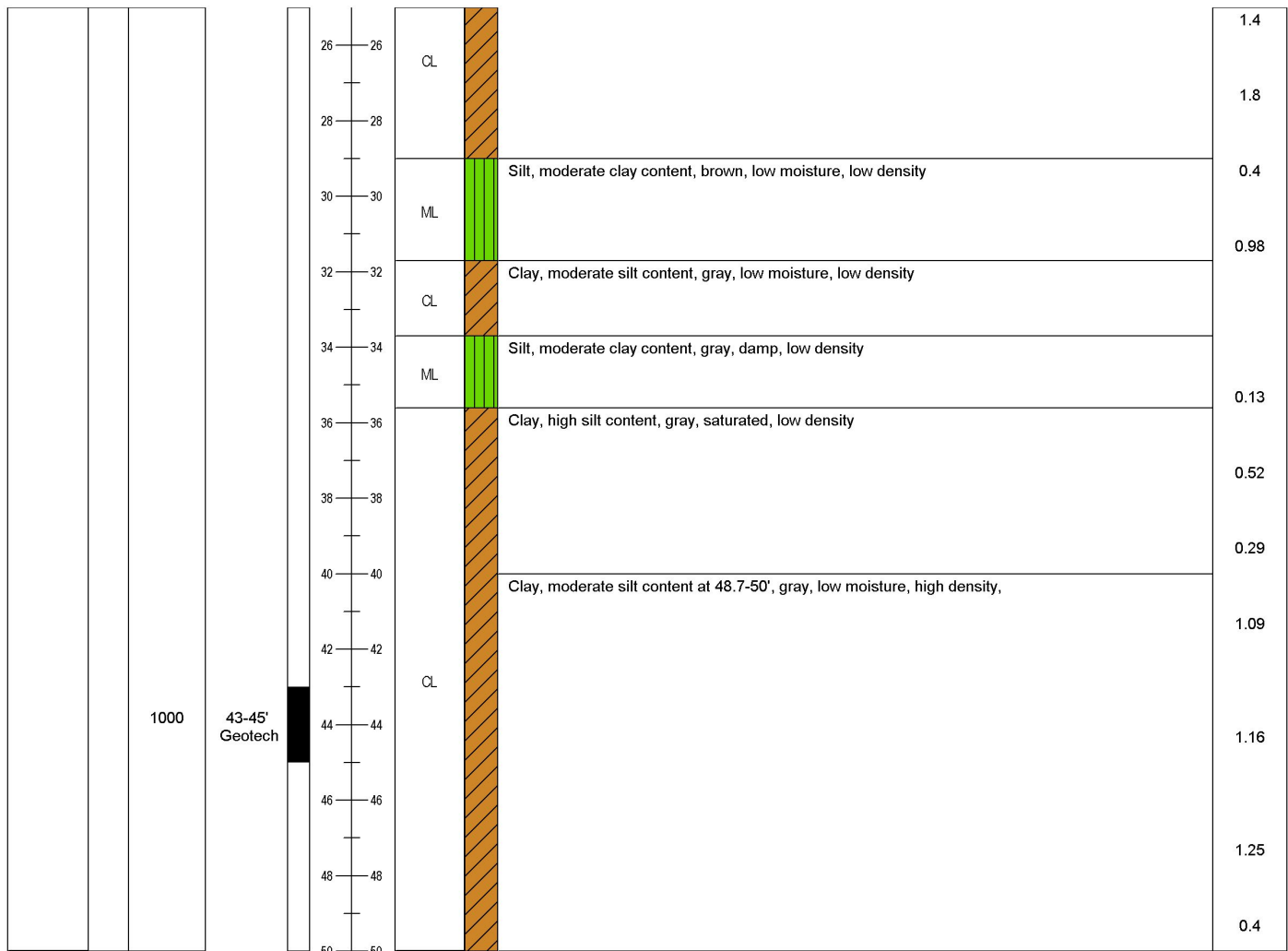
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DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	90 Feet BLS
REMARKS	Field Coordinates: 30.18340836, -92.62568827		

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					52	ML		Silt, gray, saturated, low density	0.35
					54				0.9
					56	CL		Clay, moderate silt content, gray, low moisture, moderate density	1.07
					58			Silt, minor clay content, yellow brown, dry, low density	0.2
					60			Silt, gray, saturated, low density	0.4
					62				0.44
					64				
					66				
					68				0.72
					70			Silt, minor clay content, gray, low moisture/dry, low density	
					72			Silt, minor clay content, gray, saturated, low density	0.93
					74	ML			0.36



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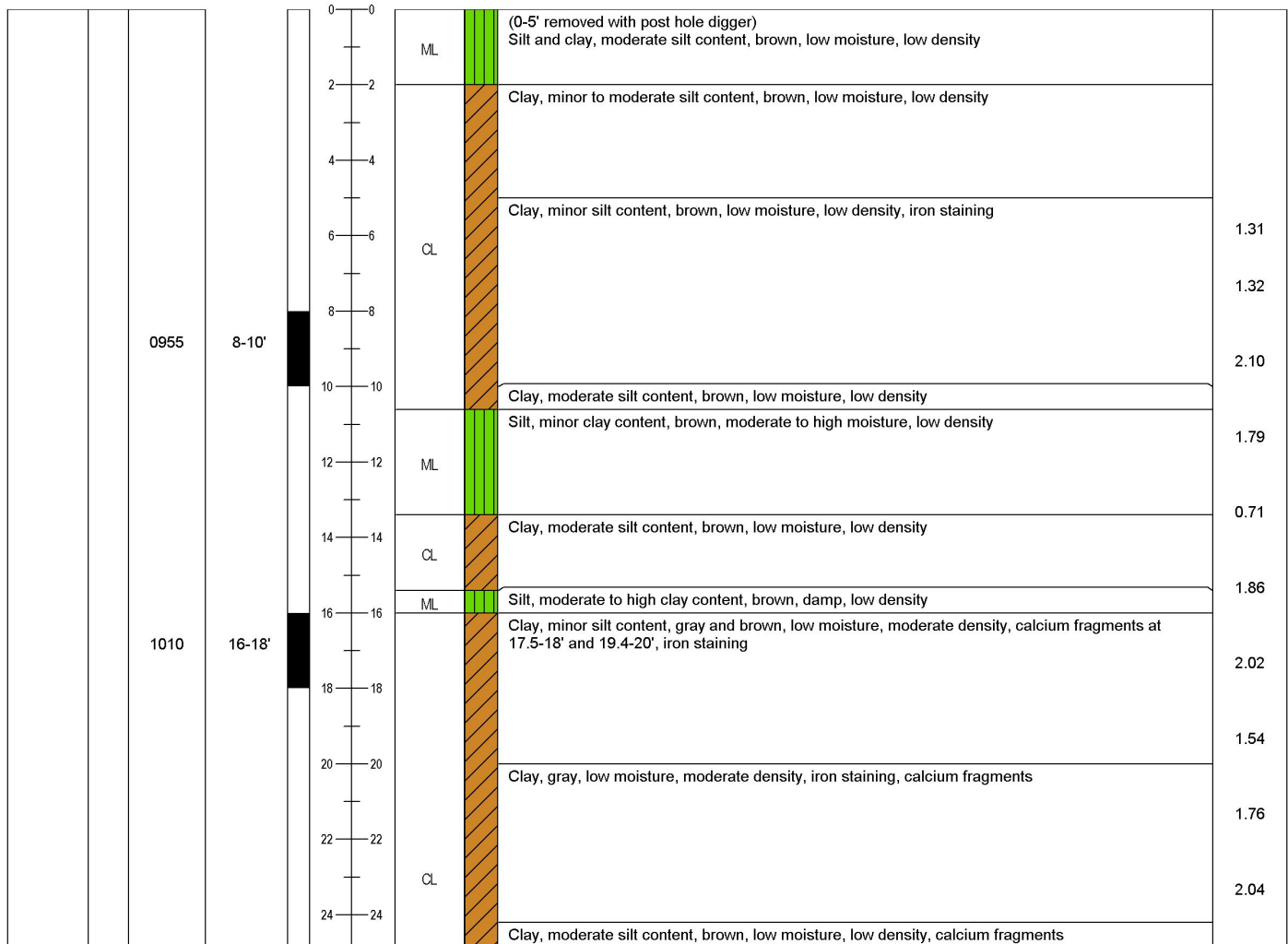
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PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-22-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-22-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18525282, -92.62315677		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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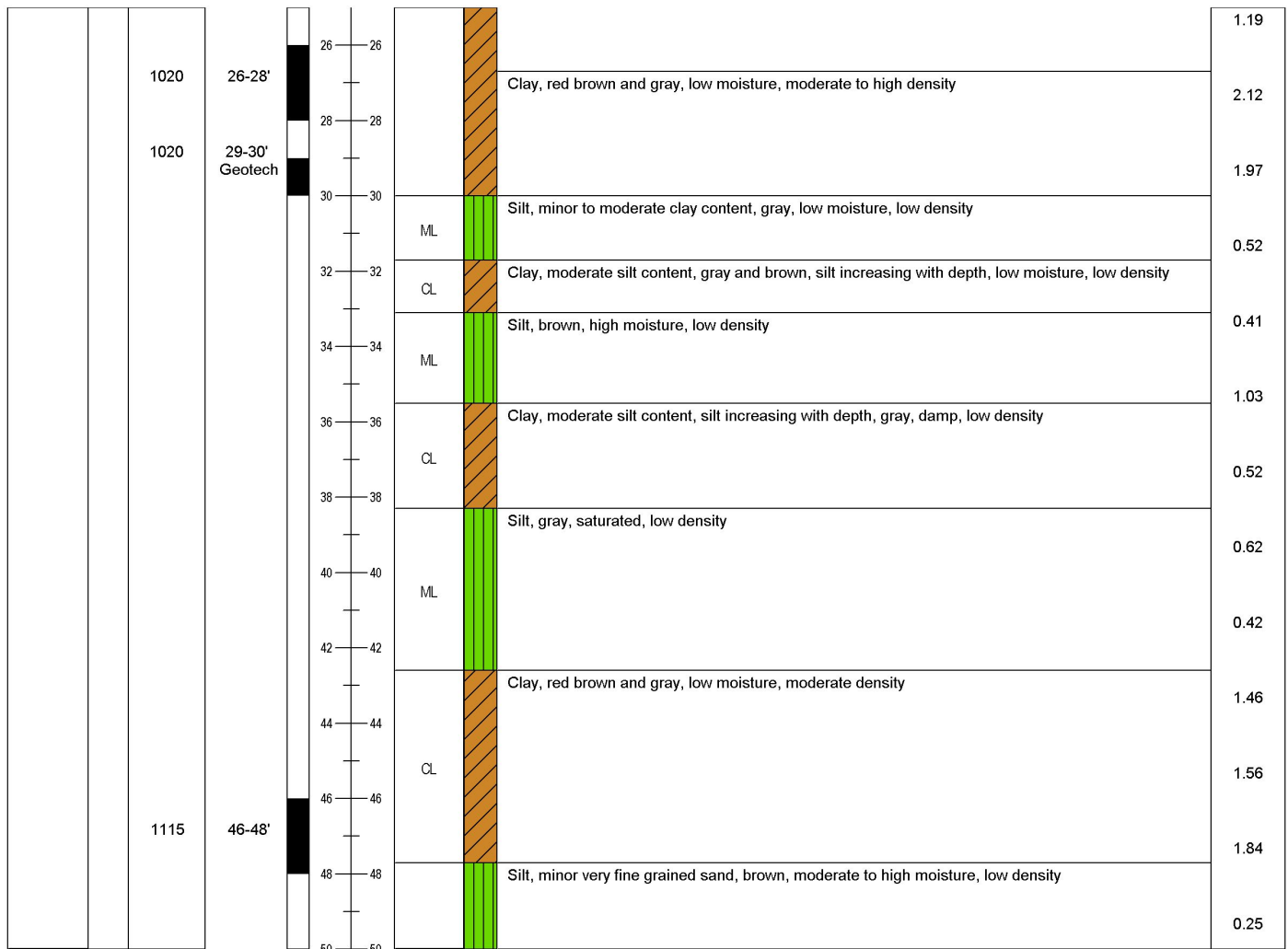
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DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18525282, -92.62315677		

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SAMPLING METHOD 4" x 10' sonic core SAND PACK/TYPE N/A
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TOP OF CASING N/A DRILLED DEPTH TO WATER N/A
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			1130	54-56' Geotech	52			Silt, minor very fine grained sand, brown, saturated, low density	0.73
					54				0.43
					56				0.45
					58			Silt, minor to moderate very fine grained sand, saturated, low density, sandy silt lens at 57.4-58.8'	0.42
					60				0.40
			1145	60-62'	62			Silt, minor clay content in a few spots, brown, high moisture, low density	0.98
					64	ML			0.59
					66				0.54
					68				0.61
					70				0.09
					72				0.48
					74				0.52

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LOCATION Jennings, La CASING TYPE/DIAMETER N/A

DRILLING METHOD Geoprobe 8150LS SCREEN TYPE/SLOT N/A

SAMPLING METHOD 4" x 10' sonic core SAND PACK/TYPE N/A

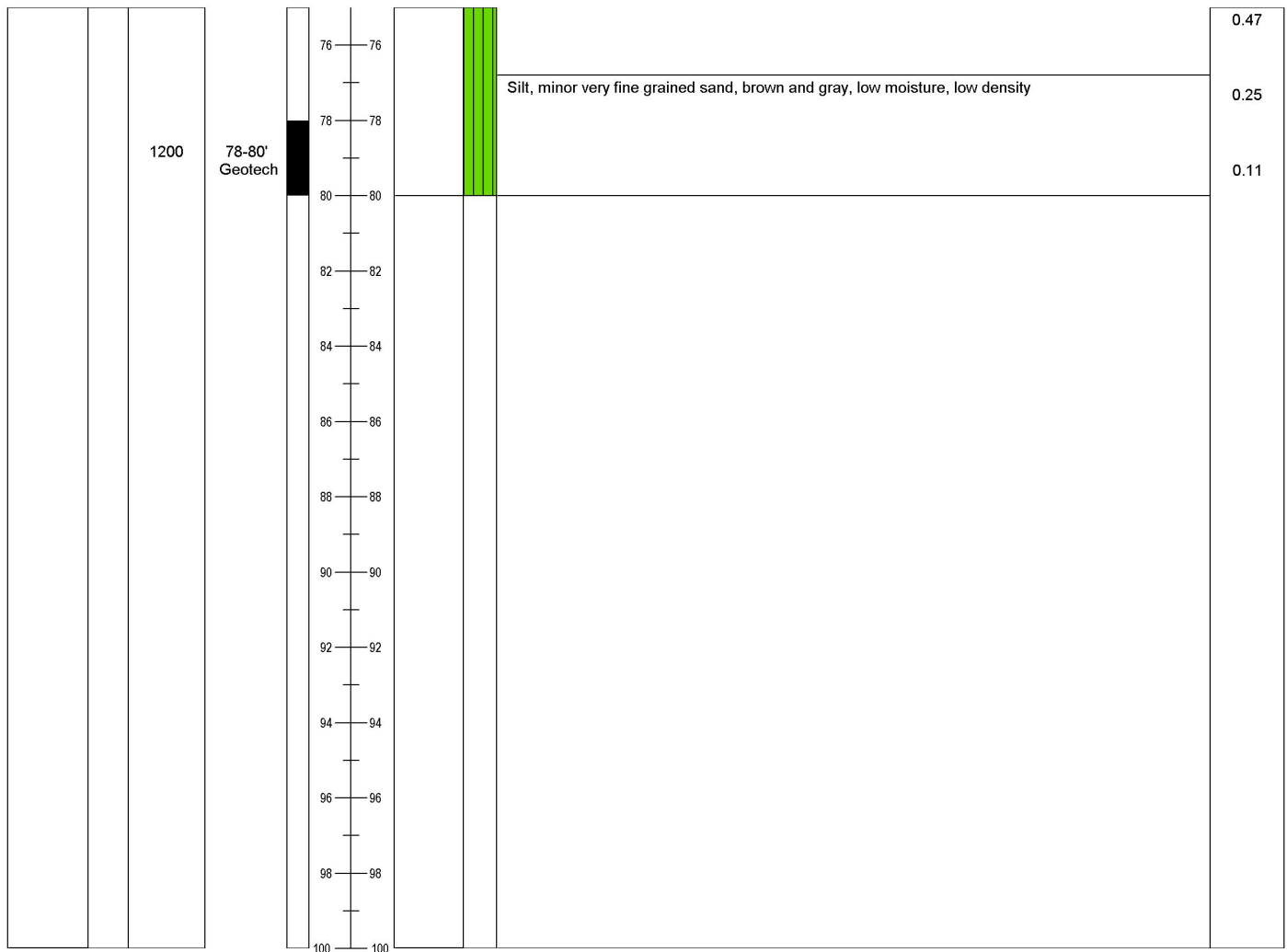
GROUND ELEVATION N/A GROUT TYPE/QUANTITY Portland Bentonite Grout

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

LOGGED BY Eric Montesano TOTAL DEPTH 80 Feet BLS

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PROJECT NAME Castex Development, LLC v. Anadarko Petroleum Corporation, et al. DATE STARTED 04-16-2025

PROJECT NUMBER 1009.A75 DATE COMPLETED 04-16-2025

LOCATION Jennings, La CASING TYPE/DIAMETER N/A

DRILLING METHOD Geoprobe 8150LS SCREEN TYPE/SLOT N/A

SAMPLING METHOD 4" x 10' sonic core SAND PACK/TYPE N/A

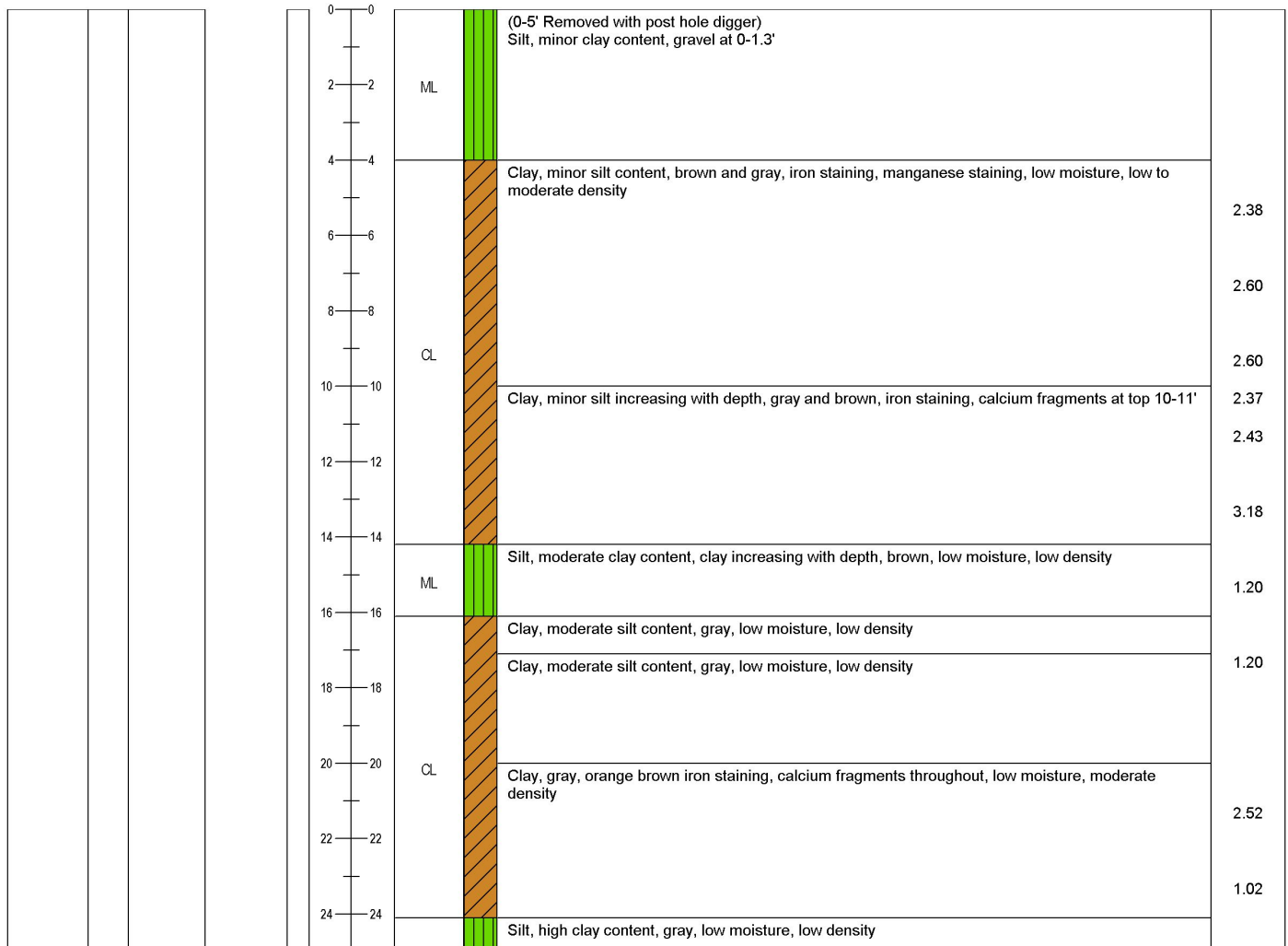
GROUND ELEVATION N/A GROUT TYPE/QUANTITY Portland Bentonite Grout

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

LOGGED BY Eric Montesano TOTAL DEPTH 80 Feet BLS

REMARKS Field Coordinates: 30.17845250, -92.61797511

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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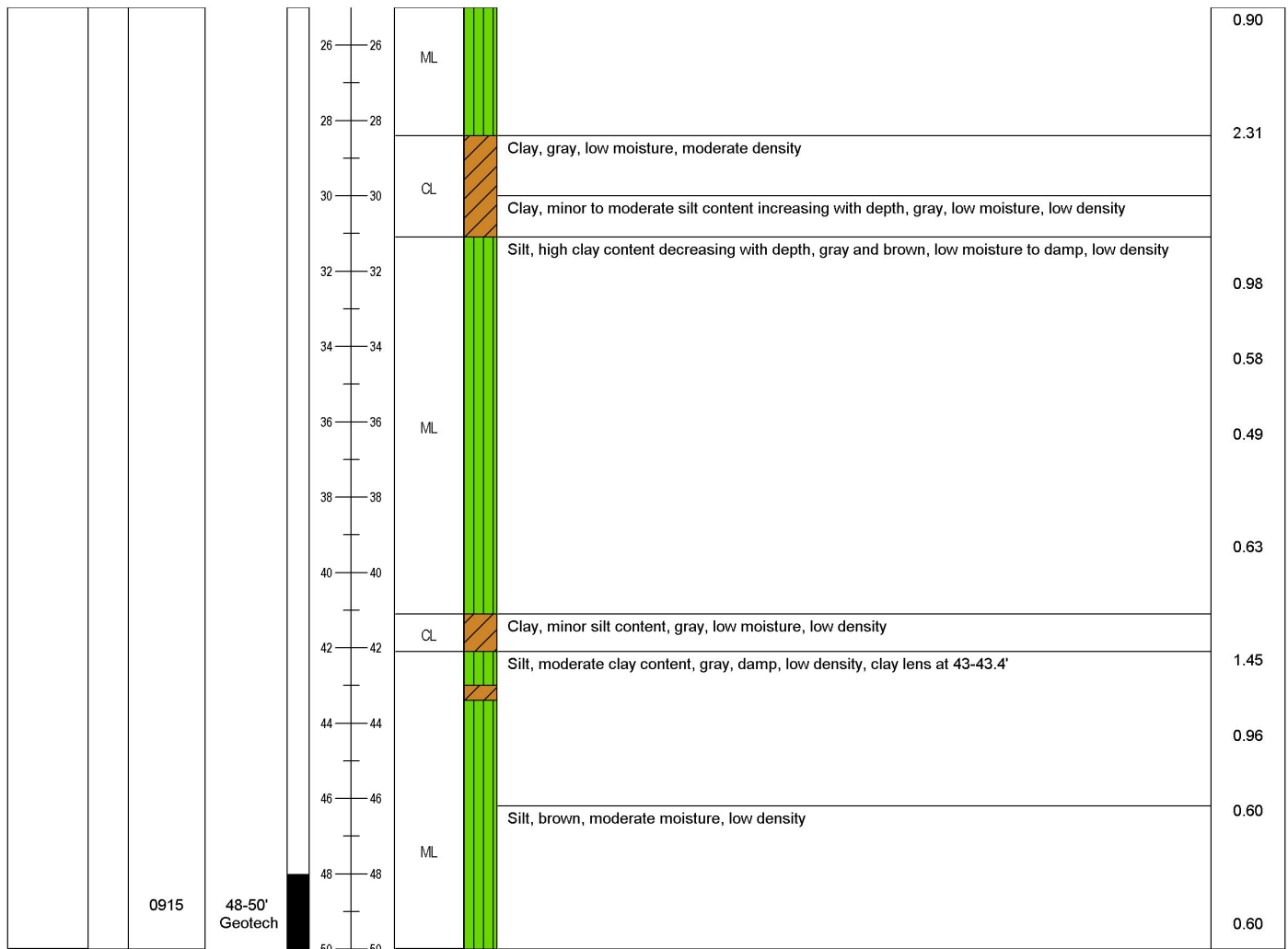
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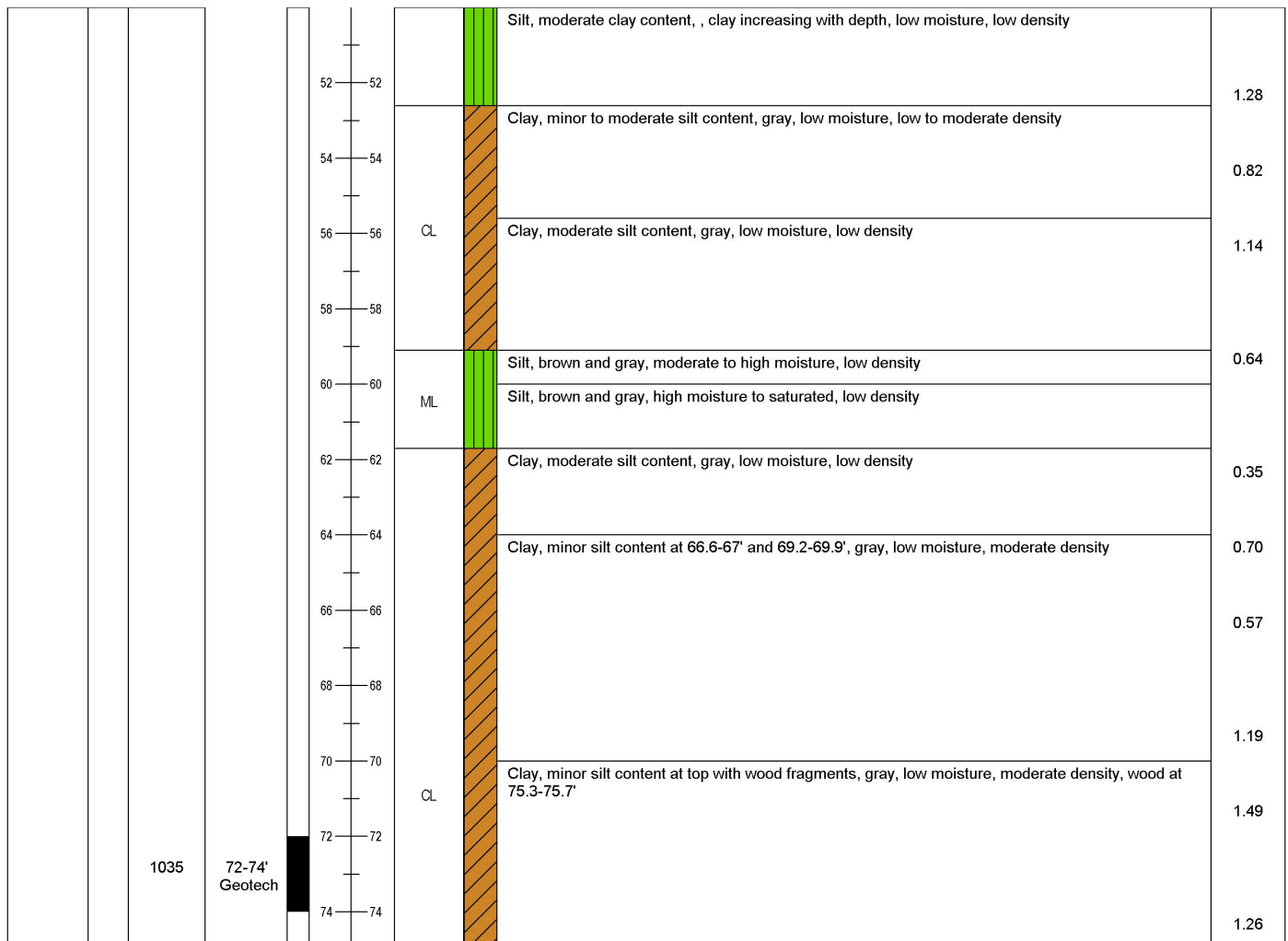
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SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	80 Feet BLS
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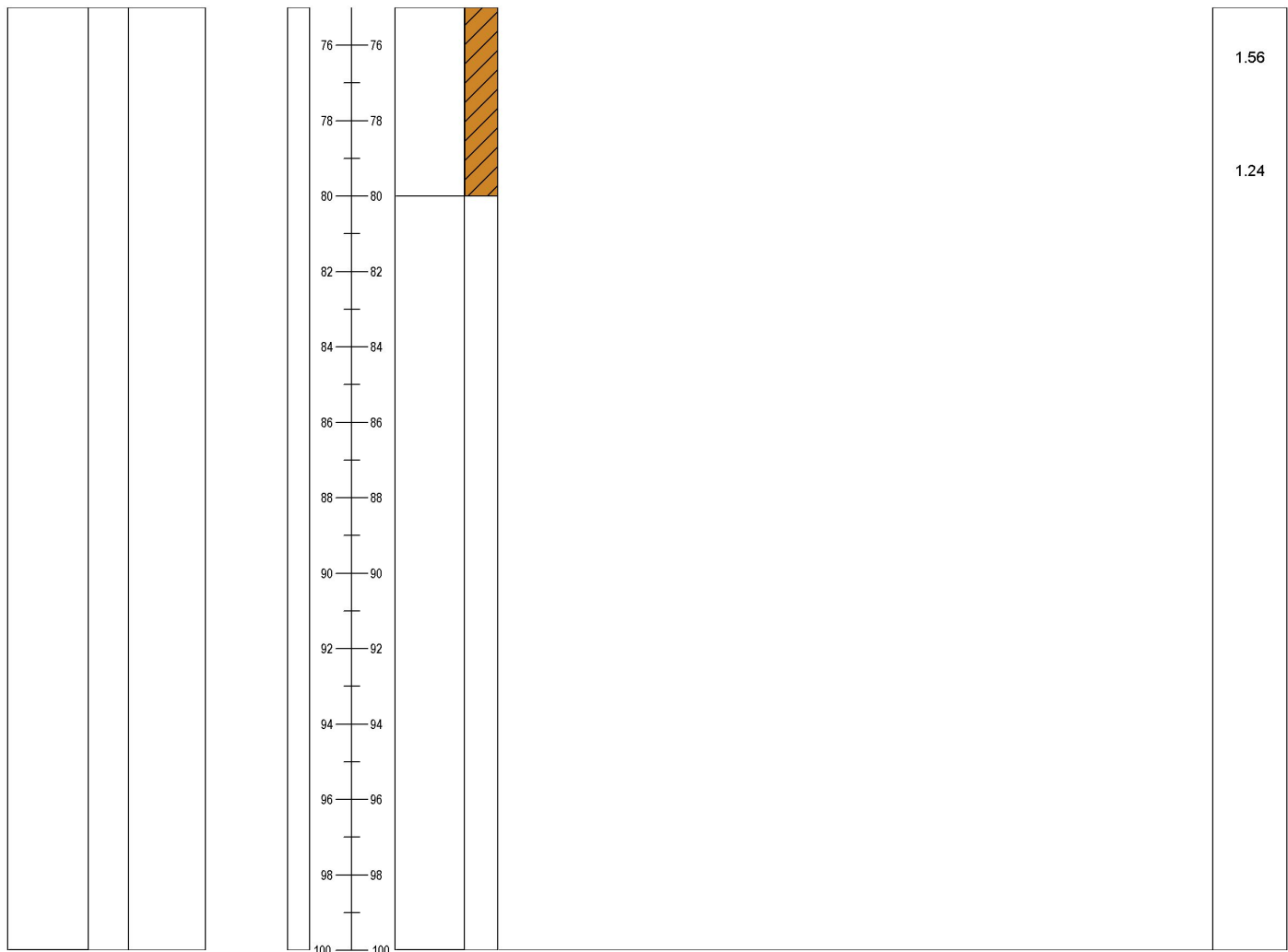
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LOGGED BY Eric Montesano TOTAL DEPTH 80 Feet BLS
REMARKS Field Coordinates: 30.17845250, -92.61797511

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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BORING No. DB-01

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-16-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-17-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18263556, -92.62040182		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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					0			Not Logged.	
					2				
					4				
					6	CL		Clay, moderate silt content, brown and tan, low moisture, moderate density	2.42
					8	ML		Silt, minor clay content, brown and tan, low moisture, low density	3.61
		1545	8-10'		10	CL		Clay, moderate silt content, brown, low moisture, moderate density	5.26
					12	ML		Silt, high clay content, gray and tan, low moisture, moderate density, clay lenses at ????	3.93
					14			Clay, moderate silt content, tan and gray, low moisture, moderate density	2.605
					16	CL			3.37
					18				1.89
					20				
					22	ML		Silt, high clay content, gray, moderate to high moisture, low density	0.75
					24	CL		Clay, moderate silt content, tan and gray, low moisture, moderate density	2.87
		1610	23-25'						



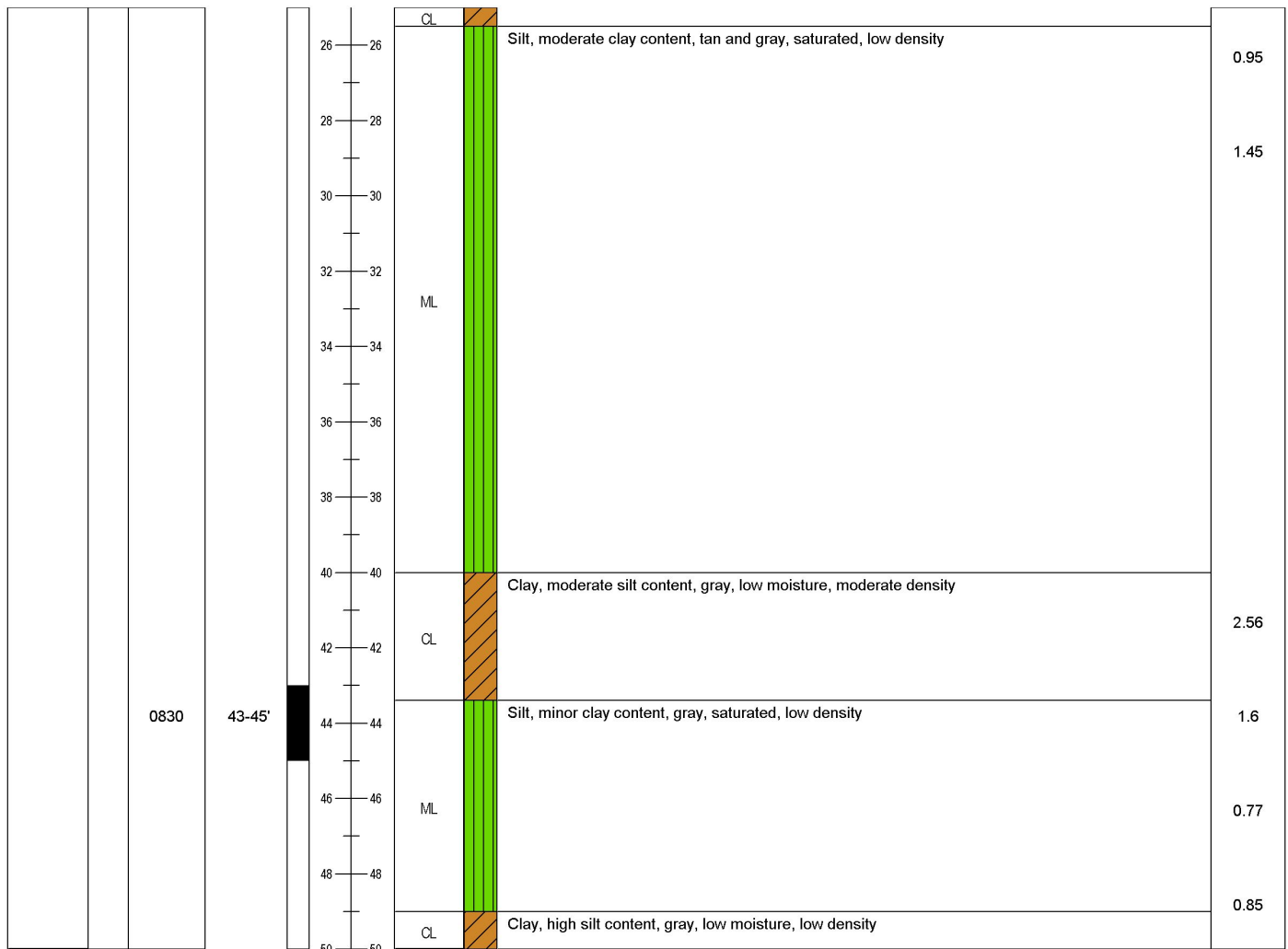
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BORING No. DB-01

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-16-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-17-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18263556, -92.62040182		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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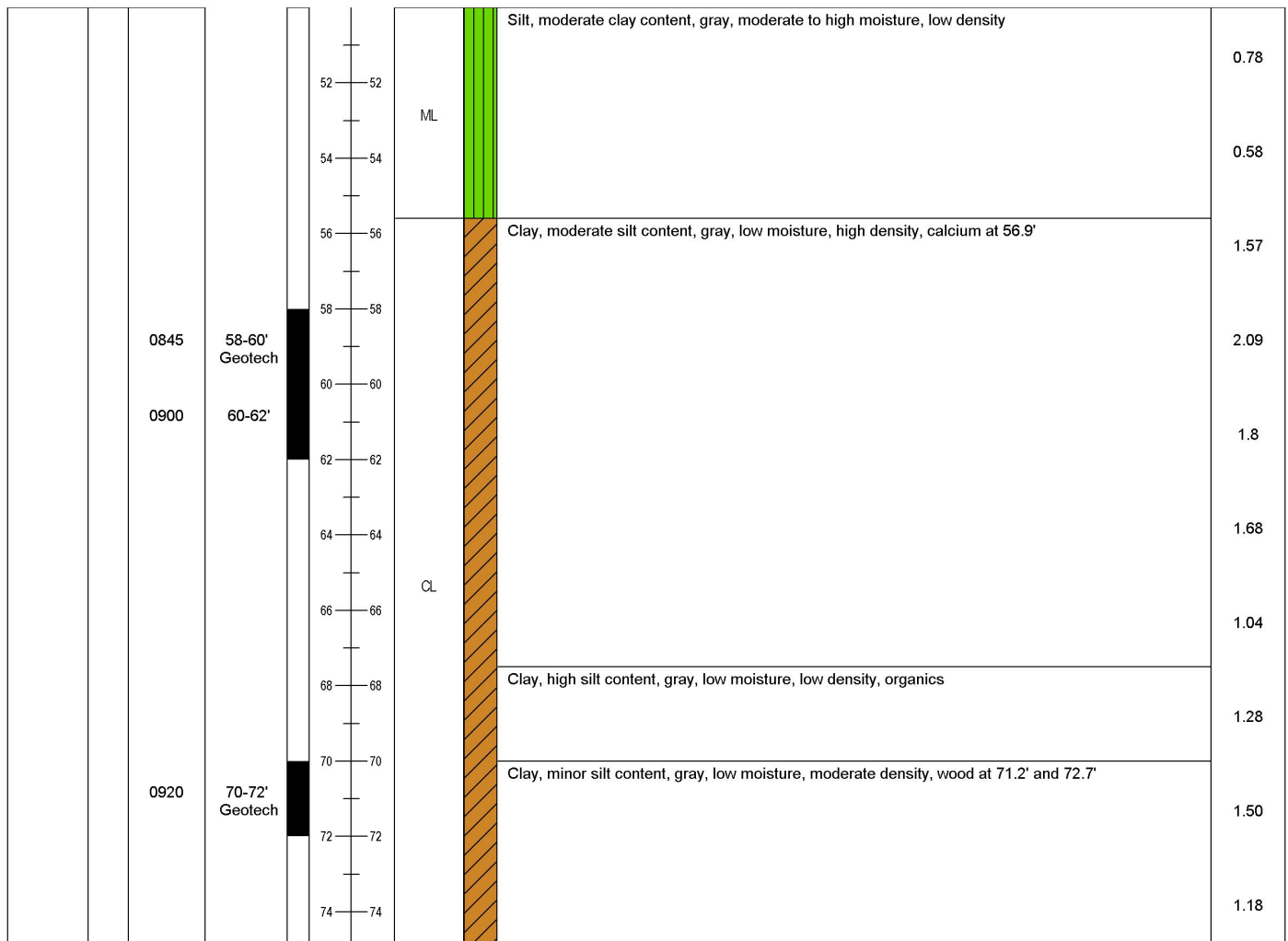
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BORING No. DB-01

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-16-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-17-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 8150LS	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	4" x 10' sonic core	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Darryl Carroll	TOTAL DEPTH	80 Feet BLS
REMARKS	Field Coordinates: 30.18263556, -92.62040182		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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BORING No. DB-01

PROJECT NAME Castex Development, LLC v. Anadarko Petroleum Corporation, et al. DATE STARTED 04-16-2025

PROJECT NUMBER 1009.A75 DATE COMPLETED 04-17-2025

LOCATION Jennings, La CASING TYPE/DIAMETER N/A

DRILLING METHOD Geoprobe 8150LS SCREEN TYPE/SLOT N/A

SAMPLING METHOD 4" x 10' sonic core SAND PACK/TYPE N/A

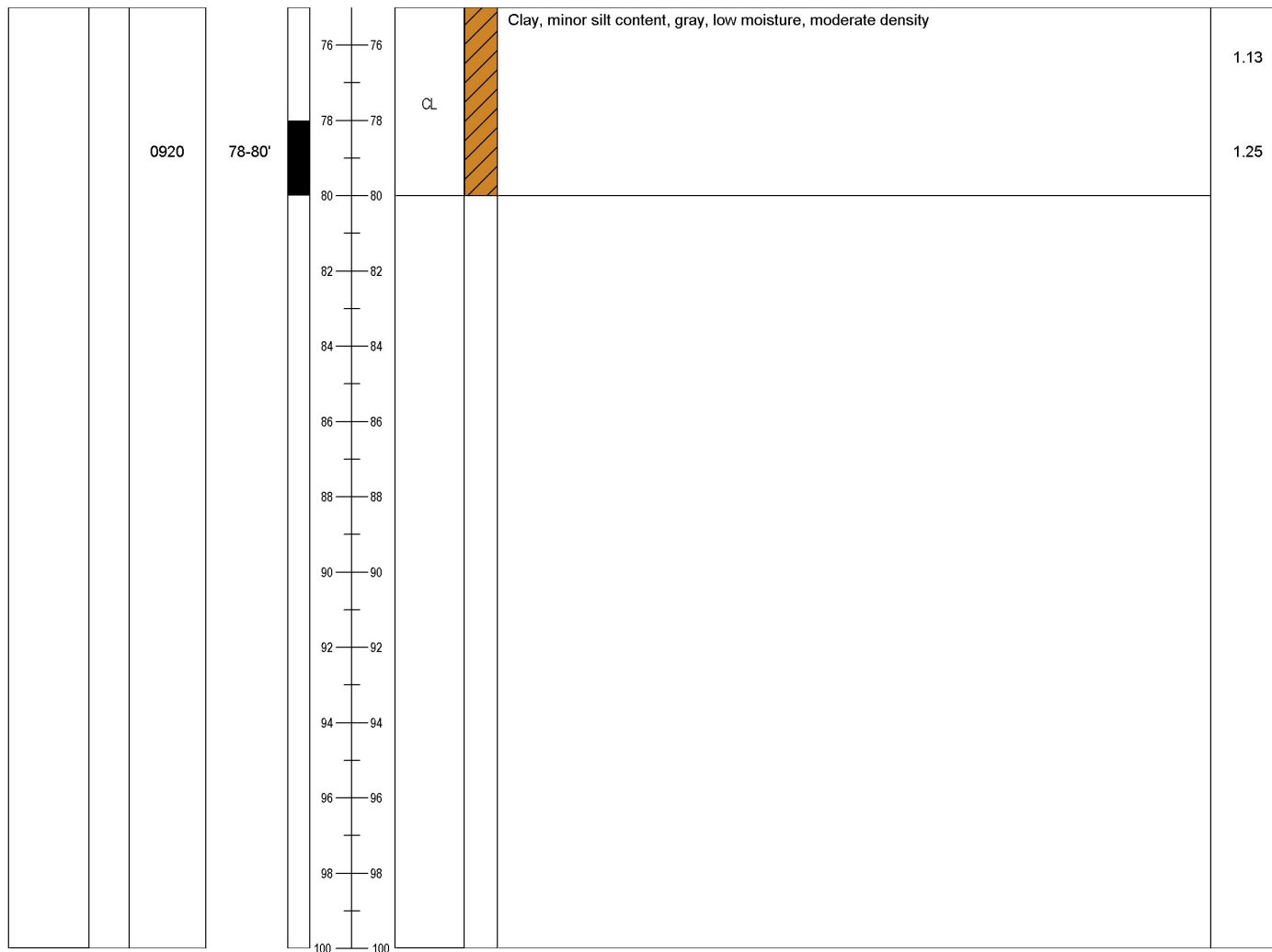
GROUND ELEVATION N/A GROUT TYPE/QUANTITY Portland Bentonite Grout

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

LOGGED BY Darryl Carroll TOTAL DEPTH 80 Feet BLS

REMARKS Field Coordinates: 30.18263556, -92.62040182

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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BORING No. HA-2R

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-23-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-23-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 7822DT	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	3.25" x 4' Dual Tube	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	30 Feet BLS
REMARKS	Field Coordinates: 30.18386944, -92.62040570		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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5	1250	0-2'			0			Clay, moderate silt content, brown, low moisture, very dry, low density, grass at top	
16.4	1255	2-4'			2			Clay, minor silt content, brown, minor iron staining, minor black staining at 2.4-2.8', low moisture, low density	2.29
23.1					4			Clay, moderate silt content, dark brown with black staining, low moisture, low density	3.41
24.8					6			Clay, moderate silt content, brown, low moisture, low density	
53.3	1335	8-10'			8			Clay, minor silt content, black silty material throughout, low moisture, low density, silt lens at 6.3-6.7'	5.44
7.2	1340	10-12'			10				5.73
18.2					12			Clay, moderate silt content, minor gravel, black, low density, low moisture	7.38
22	1405	14-16'			14			Clay, brown gray, low moisture, moderate density, minor black staining at 10.5-10.7'	7.10
9.1					16			Clay, brown and gray, low moisture, moderate density, calcium fragments	7.15
13.1					18			Clay, gray and brown, low moisture, moderate density, silt lenses at 13.9-14.3', 14.5-14.6', and 15.4-15.5', calcium fragments throughout clay	6.87
4.4	1435	22-24'			20			Clay, gray and brown, low moisture, moderate density, calcium fragments/shell debris at 16.8-17.1', silt lenses at 17.2-17.3', 17.4-17.425', 17.7', 17.9', 18-18.1', 18.8-18.9', large shells at 19.2-19.5', silty at bottom	6.83
23					22				4.27
2.8					24			Silt, high clay content, brown, damp, low density	3.20
								Clay, minor silt content decreasing with depth, brown, low moisture, moderate density	4.40
								Clay, moderate silt content, brown, calcium fragments/shell fragments throughout, low to moderate moisture, low density	

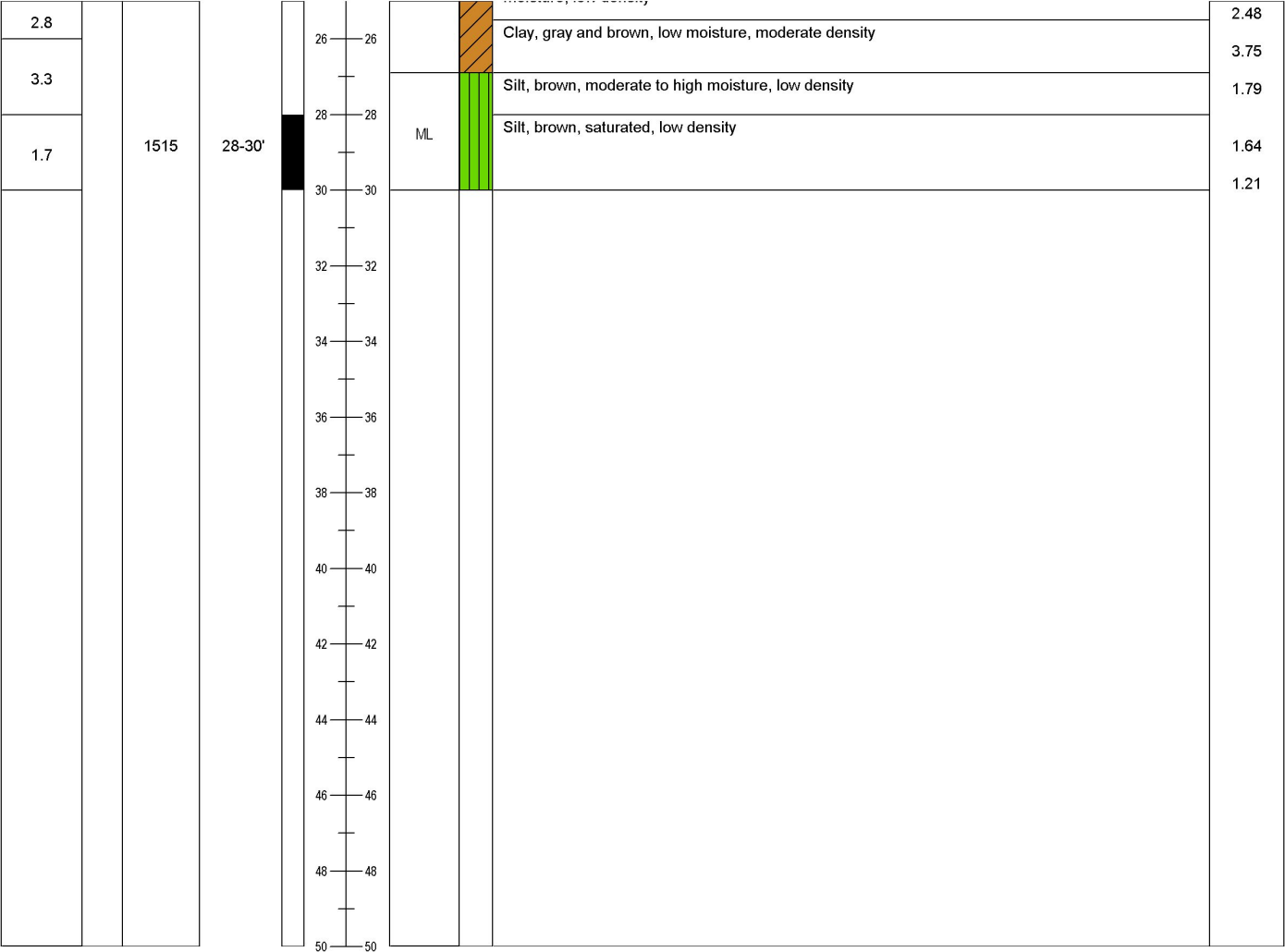


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BORING No. HA-2R

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-23-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-23-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 7822DT	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	3.25" x 4' Dual Tube	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	30 Feet BLS
REMARKS	Field Coordinates: 30.18386944, -92.62040570		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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BORING No. SB-1

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-24-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-24-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 7822DT	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	3.25" x 4' Dual Tube	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	24 Feet BLS
REMARKS	Field Coordinates: 30.18440630, -92.62120311		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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1.3	0910	0-2'			0	ML		Silt, moderate clay content, brown, low moisture, low density	
4	1040	2-4' (4/25)			2			Clay, brown and red brown, low moisture, low to moderate density, concretion at 1.7' and 2.8'	0.65
3.8					4				1.36
1.8	0935	6-8'			6	CL		Clay, brown and gray, low moisture, moderate to low density, calcium fragments at 5.4-6.7', gravel at 6-6.5'	1.13
4.2	0940	8-10'			8			Clay, brown and gray, minor silt content increasing with depth, low moisture, low density	1.88
2.7					10			Clay, moderate silt content, brown and gray, calcium fragments at 9.5-9.7', low moisture, low density	1.10
3.2	0950	13-15'			12	ML		Silt, brown, high moisture, low density	1.76
2	0955	15-16'			14			Clay, gray, low moisture, moderate density, silt lens at 11.2-11.4'	1.96
4.2					16	CL		Clay, brown and gray, low moisture, moderate density, calcium fragementes at 13-13.2', 13.9-14.1', 14.5-14.7'	2.28
3.7					18			Clay, moderate silt content, brown, low moisture, low density	0.83
4	1015	20-22'			20	ML		Silt, brown, high moisture to saturated, low density, clay lens at 17.5-17.8'	1.52
0.4	1020	22-24'			22			Clay, gray and brown, low moisture, low to moderate density, calcium fragments, silt lens at 19-19.2'	0.62
					24	CL		Clay, gray, low moisture, moderate to high density, shell fragments at 21.5-21.7', 22.2-22.3'	2.40
								Clay, moderate to high silt content, brown, low to moderate moisture, low density	0.70



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BORING No. SB-2

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-24-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-24-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 7822DT	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	3.25" x 4' Dual Tube	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	24 Feet BLS
REMARKS	Field Coordinates: 30.18279813, -92.62033606		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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0	1440	0-2'						Clay, moderate silt content, brown and dark brown, low moisture, low density	1.30
0	1445	2-4'				CL		Clay, minor to moderate silt content, brown, low moisture, low density	1.77
0									
0	1500	6-8'				ML		Silt, brown, low moisture, low density, clay lens at 5.7-6', 6.5-6.6', 6.9-7.0'	2.25
0	1505	8-10'						Clay, gray, low moisture, low density, minor manganese and iron	3.86
0								Clay, moderate silt content, brown, low moisture, low density, staining	3.46
0								Clay, gray and brown, low moisture, moderate density, minor calcium fragments	3.05
0	1520	12-14'				CL		Clay, silty clay lenses at 13.75-13.95', 13.1-13.5', 14.2-14.6', 14.7-14.8', and 15.6-15.65', gray and brown, low moisture, moderate density in clay, low density in silty clay	1.37
0									1.48
0	1530	16-18'						Clay, gray and brown, low moisture, moderate density, calcium fragments, shell fragments	1.82
0								Clay, moderate silt content, brown, shell fragments, low moisture, low density	0.49
0						ML		Silt, minor clay content, moderate to high moisture, low density	0.42
0								Silt, minor clay content, brown, high moisture to saturated, low density	0.51
0	1545	22-24'							



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BORING No. SB-3

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-25-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-25-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 7822DT	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	3.25" x 4' Dual Tube	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	24 Feet BLS
REMARKS	Field Coordinates: 30.18405659, -92.61970949		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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0	0905	0-2'	0	ML	0	ML	Silt, moderate clay content, brown, high moisture, low density		
0	0910	2-4'	0	CL	2	CL	Silt, moderate clay content, brown, low moisture, low density	1.16	
0			0		4		Clay, brown, low moisture, iron staining, manganese staining, low to moderate density	1.43	
0			0		6			2.06	
0			0	ML	6	ML	Silt, minor clay content, brown, moderate moisture, low density, clay lens at 6.5-6.7' and 7.8-7.9'	0.62	
0	0930	8-10'	0		8		Clay, moderate silt content, gray and brown, low moisture, low density		
0			0		10		Clay, gray and brown, low moisture, low to moderate density, iron and manganese staining, silt lens at 9.5-9.7', calcium fragments/nodules throughout	2.20	
0			0		12			2.06	
0	0950	12-14'	0		12		Clay, moderate silt content, brown, low moisture, low density	1.04	
0			0	ML	14	ML	Silt, brown, moderate to high moisture, low density		
0			0		14		Clay, brown and gray, low moisture, moderate to high density, calcium fragments		
0			0	ML	16	ML	Silt, brown, moderate moisture, low density, clay lens at 15.4-15.5', 15.8-15.9', moderate to high density in clay	1.58	
0	1000	16-18'	0		16		Clay, brown and gray, low moisture, moderate to high density, shells and shell fragments throughout, silt lens at 16.5-16.6'	1.64	
0			0	CL	18	CL			
0			0		20		Clay, moderate silt content, brown, low to moderate moisture, low density	0.91	
0			0	ML	22	ML	Silt, minor to moderate clay content, brown, moderate to high moisture, low density, shell fragments	0.63	
0	1015	22-24'	0		22				
				CL	24	CL	Clay, minor silt content, gray and brown, low moisture, low density, minor shell fragments, silt lens at 23.2-23.3'	1.31	



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BORING No. SB-4

PROJECT NAME	Castex Development, LLC v. Anadarko Petroleum Corporation, et al.	DATE STARTED	04-24-2025
PROJECT NUMBER	1009.A75	DATE COMPLETED	04-24-2025
LOCATION	Jennings, La	CASING TYPE/DIAMETER	N/A
DRILLING METHOD	Geoprobe 7822DT	SCREEN TYPE/SLOT	N/A
SAMPLING METHOD	3.25" x 4' Dual Tube	SAND PACK/TYPE	N/A
GROUND ELEVATION	N/A	GROUT TYPE/QUANTITY	Portland Bentonite Grout
TOP OF CASING	N/A	DRILLED DEPTH TO WATER	N/A
LOGGED BY	Eric Montesano	TOTAL DEPTH	24 Feet BLS
REMARKS	Field Coordinates: 30.18336765, -92.62141033		

PID (ppm)	SCREENED INTERVAL	SAMPLE TIME	SAMPLE ID.	EXTENT	DEPTH (FT BLS)	U.S.C.S	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONDUCTIVITY (mS/cm)
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0	1105	0-2'			0			Clay, moderate silt content, brown, low moisture, low density	
0	1110	2-4'			2			Clay, minor silt content, brown, iron staining, low moisture, low density	0.88
0					4			Clay, light brown, low moisture, low density, iron staining	1.07
0					6			Clay, light brown, low moisture, moderate density, iron staining, manganese staining, calcium fragments at 6.2-6.6' and 7.1'	1.52
0					8			Clay, gray, silty at bottom, low moisture, low density	1.48
0	1130	8-10'			10	ML		Silt, orange brown and gray, saturated, low density	0.62
0					12			Clay, brown and gray, low moisture, moderate to high density, calcium fragments throughout	1.93
0	1200	12-14'			14			Clay, moderate silt content, brown and gray, low moisture, low density, silt lens at 14.1-14.3'	1.99
0					16			Clay, red brown and gray, low moisture, moderate density, calcium fragments	1.50
0					18			Clay, minor silt content, brown and gray, low moisture, silt lens at 16.4-16.5', 16.9-17', 17.5-17.6', 18.2', 18.8-18.9'	1.38
0	1220	18-20'			20	ML		Silt, moderate clay content, brown, high moisture, low density	2.07
0					22			Clay, moderate silt content, brown, low to moderate moisture, low density	0.62
0	1230	22-24'			24			Clay, minor silt content, red brown and gray, low moisture, low density	1.78