

APPENDIX C

TABLES

Soil Analytical Summary - 29-B Analyses (Limited Admission Area)																																		
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																		
Table 1 Page 1 of 5																																		
Sample ID / Depth (feet)	Sample Date	Sampler	Salinity														Metals ⁵															Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Chromium (Total/SPLP)	Lead (Total/SPLP)	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056	29B	6010B	1312	6010B	29B	1312	6010B	6010B/1312	6010B/1312	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G		
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L	%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg,mg/L	mg/Kg,mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%	
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A		
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																		
HA-1 (0-2')	06/29/21	ICON	—	—	—	0.30	2.03	2.05	1.02	0.31	1.66	—	22.8	—	—	—	5.02	—	339	559	—	<0.460	11.1	15.2	<0.107	<3.68	—	26.6	9.69	—	—	15.7		
HA-1 (0-2')	06/29/21	ERM	—	—	—	0.36	1.8	3.26	0.989	<0.410	2.29	—	20.5	—	—	—	3.01	—	168	<500	—	<0.200	10.9	8.06	0.0236	<1.00	<0.500	—	14.1	70.9	7.71	15.8		
HA-1 (2-4')	06/29/21	ICON	—	—	—	0.34	6.04	3.08	0.5	0.57	2.25	—	34.7	—	—	—	4.05	—	421	759	—	<0.494	10.1	11.2	<0.105	<3.95	—	17.7	14.1	—	—	18.5		
HA-1 (2-4')	06/29/21	ERM	—	—	—	0.294	5.45	8.6	0.18	<0.410	2.58	—	24.5	—	—	—	3.64	—	196	<500	—	<0.200	10.6	17.3	0.0208	<1.00	<0.500	—	12.6	110	7.62	21.8		
HA-1 (4-6')	06/29/21	ICON	—	—	—	0.32	7.9	2.91	0.6	0.32	1.97	—	41.1	—	—	—	4.71	—	283	506	—	<0.458	11.4	10.7	<0.0995	<3.66	—	16.6	22.7	—	—	20.5		
HA-1 (4-6')	06/29/21	ERM	—	—	—	0.321	6.33	9.29	0.174	<0.410	2.74	—	35.1	—	—	—	3.51	—	226	<500	—	<0.200	10.1	8.74	0.0197	<1.00	<0.500	—	19.9	120	7.72	24.8		
HA-2 (0-2')	06/29/21	ICON	—	—	—	2.46	25.5	19.5	1.31	0.52	18.7	—	33.5	—	—	—	5.60	—	3768	39100	—	<0.472	36.9	56.6	<0.105	<3.78	—	177	27.0	—	—	18.8		
HA-2 (0-2')	06/29/21	ERM	—	—	—	3.71	21.1	35.3	1.56	<0.820	31.2	—	20.1	—	—	—	6.62	—	2530	3520	—	<0.200	35.1	119	0.0649	<1.00	<0.500	—	42.4	101	8.22	20.3		
HA-2R (0-2)	04/23/25	HET	6.71	159	—	1.33	18.2	18.9	0.516	0.289	12.0	—	28.3	3.2	2.33	<0.10	—	—	1570	3250	5.58	—	20.2 / 0.339	17.1 / 0.0936	—	—	—	—	—	128	8.04	16.4		
HA-2 (2-4')	06/29/21	ICON	—	—	—	3.64	39.7	31.2	1.19	0.52	28.9	—	35.2	—	—	—	4.52	—	3348	30800	—	<0.479	30.1	42.0	<0.108	<3.83	—	130	24.1	—	—	19.9		
HA-2 (2-4')	06/29/21	ERM	—	—	—	5.8	21.6	64.9	1.21	<1.64	50.5	—	22.5	—	—	—	9.98	—	1040	14200	—	<0.200	146	200	0.0452	<1.00	<0.500	—	93.6	183	8.17	23.8		
HA-2R (2-4)	04/23/25	HET	22.8	751	—	3.13	—	—	0.774	0.333	29.0	—	—	2.3	4.23	0.26	—	—	355	456	—	—	17.9	15.9	—	—	—	—	—	121	7.88	19.9		
HA-2 (4-6')	06/29/21	ICON	—	—	—	4.42	33.2	36.5	1.31	0.64	36	—	40.2	—	—	—	3.82	—	1237	2920	—	<0.492	11.0	12.7	<0.101	<3.94	—	86.0	15.8	—	—	18.1		
HA-2 (4-6')	06/29/21	ERM	—	—	—	5.09	28.4	36.3	2.9	<1.64	43.7	—	25.9	—	—	—	2.83	—	1130	2620	—	<0.200	12.0	9.88	0.026	<1.00	<0.500	—	14.9	223	8.35	21.4		
HA-2R (6-8')	04/23/25	ICON	—	1690	—	5.82	—	—	—	—	—	—	—	—	—	—	4.82	—	1030	1730	—	<0.386	15.2	18.7	<0.0981	—	—	148	17.7	—	—	22.8		
HA-2R (8-10)	04/23/25	HET	85.6	2410	101	9.37	—	—	2.49	1.09	87.4	148	—	2.2	1.01	0.26	—	—	1100	2410	—	—	25.8	25	—	—	—	—	—	113	7.91	27.1		
HA-2R (8-10)	04/23/25	ICON	—	3990	—	13.6	—	—	—	—	—	—	—	—	—	—	4.22	—	1680	3260	—	<0.365	21.3	25.6	<0.0953	—	—	235	16.2	—	—	26.9		
HA-2R (10-12)	04/23/25	HET	28.5	2230	—	3.44	—	—	0.38	0.137	32.3	—	—	3.4	0.264	<0.10	—	—	312	605	7.85	—	18.6	12.5	—	—	—	—	—	366	8.33	28.5		
HA-2R (10-12)	04/23/25	ICON	—	2150	—	3.67	—	—	—	—	—	—	—	—	—	—	5.62	—	290	490	—	<0.393	12.3	11.0	<0.0936	—	—	157	24.2	—	—	20.9		
HA-2R (14-16)	04/23/25	HET	62.3	2340	103	6.77	—	—	1.48	0.758	62.8	128	—	1.8	0.293	—	—	—	137	207	—	—	16.1	8.06	—	—	—	—	—	178	7.89	23.8		
HA-2R (14-16)	04/23/25	ICON	—	1410	—	4.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.4		
HA-2R (18-20)	04/23/25	ICON	—	656	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.6		
HA-2R (22-24)	04/23/25	HET	18.1	414	—	2.31	—	—	0.377	0.15	21.6	—	—	2.9	0.113	—	—	—	90.3	164	—	—	18	8.2	—	—	—	—	—	146	8.17	25		
HA-2R (22-24)	04/23/25	ICON	—	353	—	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.6		
HA-2R (28-30)	04/23/25	HET	20.1	204	—	2.38	—	—	4.43	2.57	15	—	—	1.0	0.258	—	—	—	54	135	—	—	7.93	3.78	—	—	—	—	—	38.9	7.42	19.3		
HA-2R (28-30)	04/23/25	ICON	—	275	—	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.3		
HA-3 (0-2')	06/29/21	ICON	—	—	—	0.91	22.5	8.94	0.74	0.45	6.89	—	39.8	—	—	—	4.36	—	249	478	—	<0.461	8.84	8.12	<0.104	<3.69	—	111	22.9					

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			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Chromium (Total/SPLP)	Lead (Total/SPLP)	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056	29B	6010B	1312	6010B	29B	1312	6010B	6010B/1312	6010B/1312	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G		
			meq/L	mg/Kg	mg/L	mmhos/ cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L	%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg,mg/L	mg/Kg,mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A		
LDEQ RECAP MO-1 Soilini ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
CD-4 (8-10')	03/09/22	ICON	—	4320	—	23.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17.9		
CD-4 (8-10')	03/09/22	ERM	—	5030	238	27.4	23	26.5	73.9	35.4	196	—	14.4	—	—	—	4.93	—	86	<500	—	<0.200	7.39	4.67	<0.0144	<1.00	<0.500	—	16.1	43.8	7.12	20.4		
CD-4 (22-24')	03/09/22	ICON	—	704	291*	1.54	40.9	18.3	0.78	0.34	13.7	—	44.1	—	—	—	7.11	—	301	593	—	<0.481	13.1	10.4	<0.103	—	—	141	42.1	—	—	22.7		
CD-4 (22-24')	03/09/22	ERM	—	954	—	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	213	—	22.7		
CD-4 (32-34')	03/09/22	ICON	—	76.6	—	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9		
CD-4 (32-34')	03/09/22	ERM	—	54.8	—	1.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38.1	—	25.1	
CD-4 (46-48')	03/10/22	ICON	—	812	—	3.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24		
CD-4 (46-48')	03/10/22	ERM	—	834	—	6.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	—	28.1		
CD-4 (56-58')	03/10/22	ICON	—	1880	—	6.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.7		
CD-4 (56-58')	03/10/22	ERM	—	1430	70	7.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	102	—	32.2		
CD-4 (66-68')	03/10/22	ICON	—	77.1	—	0.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.7		
CD-4 (66-68')	03/10/22	ERM	—	26.4	—	0.811	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.7	—	25.2		
CD-5 (26-28')	03/14/22	ICON	—	155	—	0.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.7		
CD-5 (26-28')	03/14/22	ERM	—	70.1	—	0.878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	111.8	—	22.1		
CD-5 (38-40')	03/14/22	ICON	—	186	—	1.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.9		
CD-5 (38-40')	03/14/22	ERM	—	27.3	—	0.882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.2	—	23.6		
CD-5 (52-54')	03/14/22	ICON	—	145	—	0.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9		
CD-5 (52-54')	03/14/22	ERM	—	56.8	—	0.878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	37.5	—	21		
CD-5 (56-58')	03/14/22	ICON	—	2500	—	9.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17.3		
CD-5 (56-58')	03/14/22	ERM	—	1620	—	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.1	—	21.5		
CD-5 (60-62')	03/14/22	ICON	—	5340	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.5		
CD-5 (60-62')	03/14/22	ERM	—	3840	194	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.3	—	33.1		
CD-5 (68-70')	03/14/22	ICON	—	5290	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6		
CD-5 (68-70')	03/14/22	ERM	—	3290	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64.4	—	27.3		
CD-5 (70-72')	03/14/22	ICON	—	2190	—	8.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.9		
CD-5 (70-72')	03/14/22	ERM	—	1970	87	9.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.4	—	30.2		
CD-5 (72-74')	04/26/22	ICON	—	782	—	3.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.2		
CD-5 (72-74')	04/26/22	ERM	—	844	—	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.8	—	26.3		
CD-5 (88-90')	04/26/22	ICON	—	20.7	5.1*	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.8		
CD-5 (88-90')	04/26/22	ERM	—	17	0.865	0.757	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.4	—	29.1		
CD-5 (94-96')	04/26/22	ICON	—	15.5	—	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.5		
CD-5 (94-96')	04/26/22	ERM	—	12.5	—	0.648	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	—	27		

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			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Chromium (Total/SPLP)	Lead (Total/SPLP)	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056	29B	6010B	1312	6010B	29B	1312	6010B	6010B/1312	6010B/1312	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G		
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L	%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%	
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	6-9	N/A		
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A		
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
SB-1 (0-2)	04/24/25	HET	0.585	<20.0	—	0.201	—	—	0.945	0.293	0.649	—	—	0.7	0.437	—	—	—	194	284	—	—	15.9	13.8	—	—	—	—	66.5	7.01	20.2			
SB-1 (0-2)	04/24/25	ICON	—	8.05	—	0.18	—	—	—	—	—	—	—	—	—	—	3.94	—	178	207	—	<0.429	10.3	11.4	<0.104	—	—	10.2	11.2	—	—	13.8		
SB-1 (2-4)	04/25/25	HET	0.203	<20.0	—	0.246	—	—	1.47	0.496	0.603	—	—	2.0	0.242	—	—	—	287	429	—	—	22.7	9.77	—	—	—	—	—	88.5	7.89	21		
SB-1 (2-4)	04/25/25	ICON	—	15.5	—	0.25	—	—	—	—	—	—	—	—	—	—	3.98	—	246	318	—	<0.411	10.5	9.29	<0.109	—	—	13.9	15.9	—	—	17.5		
SB-1 (6-8)	04/24/25	HET	0.21	<20.0	—	0.28	—	—	1.09	0.289	1.6	—	—	2.3	0.335	—	—	—	254	339	—	—	22	9.77	—	—	—	—	—	110	8.11	25.7		
SB-1 (6-8)	04/24/25	ICON	—	8.30	—	0.25	—	—	—	—	—	—	—	—	—	—	4.76	—	231	394	—	<0.396	10.5	8.49	<0.0945	—	—	20.0	31.0	—	—	20.2		
SB-1 (8-10)	04/24/25	HET	0.941	<20.0	—	0.382	—	—	1.85	0.446	1.57	—	—	2.3	0.209	—	—	—	152	247	—	—	16.1	7.59	—	—	—	—	—	65.8	7.99	22.8		
SB-1 (8-10)	04/24/25	ICON	—	10.3	—	0.27	—	—	—	—	—	—	—	—	—	—	3.23	—	146	202	—	<0.407	8.14	6.29	<0.0965	—	—	14.2	22.6	—	—	18.5		
SB-1 (13-15)	04/24/25	HET	0.245	<20.0	—	0.249	—	—	1.08	0.414	1.06	—	—	2.2	0.132	—	—	—	180	367	—	—	23.3	12.1	—	—	—	—	—	188	7.91	26		
SB-1 (13-15)	04/24/25	ICON	—	9.91	—	0.19	—	—	—	—	—	—	—	—	—	—	5.83	—	132	254	—	<0.378	11.1	9.56	<0.0938	—	—	39.6	43.5	—	—	23.8		
SB-1 (15-16)	04/24/25	HET	0.266	<20.0	—	0.267	—	—	1.18	0.464	1.12	—	—	2.2	0.158	—	—	—	161	339	—	—	25.3	11.9	—	—	—	—	—	178	8.06	29.3		
SB-1 (15-16)	04/24/25	ICON	—	18.5	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.1		
SB-1 (20-22)	04/24/25	HET	0.317	<20.0	—	0.287	—	—	0.959	0.446	1.58	—	—	2.6	0.171	—	—	—	152	300	—	—	20.9	10.4	—	—	—	—	—	118	8.08	21.5		
SB-1 (20-22)	04/24/25	ICON	—	6.78	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.9		
SB-1 (22-24)	04/24/25	HET	0.506	<20.0	—	0.243	—	—	0.706	0.351	1.37	—	—	1.6	0.217	—	—	—	91.9	199	—	—	11.9	5.63	—	—	—	—	—	51.1	7.59	21.5		
SB-1 (22-24)	04/24/25	ICON	—	8.72	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.4		
SB-2 (0-2)	04/24/25	HET	1.28	<20.0	—	0.77	—	—	2.82	1.48	4.36	—	—	6.6	0.42	—	—	—	156	192	—	—	18.4	15.6	—	—	—	—	—	62.5	8.15	16.6		
SB-2 (0-2)	04/24/25	ICON	—	16.4	—	0.61	—	—	—	—	—	—	—	—	—	—	3.03	—	131	142	—	<0.365	7.94	9.33	<0.101	—	—	14.8	9.01	—	—	26.8		
SB-2 (2-4)	04/24/25	HET	4.69	96.8	—	0.953	—	—	0.824	0.594	8.16	—	—	4.2	0.33	—	—	—	221	293	—	—	20.5	12.3	—	—	—	—	—	117	8.27	24.4		
SB-2 (2-4)	04/24/25	ICON	—	166	—	1.07	—	—	—	—	—	—	—	—	—	—	3.12	—	188	254	—	<0.386	8.63	9.09	<0.103	—	—	19.4	12.5	—	—	22.6		
SB-2 (6-8)	04/24/25	HET	12.3	264	—	1.58	—	—	0.86	0.646	13.3	—	—	1.5	0.198	—	—	—	116	148	—	—	15.2	6.41	—	—	—	—	—	101	7.84	18.7		
SB-2 (6-8)	04/24/25	ICON	—	166	—	1.13	—	—	—	—	—	—	—	—	—	—	2.09	—	111	85.6	—	<0.413	7.20	5.98	<0.0987	—	—	15.6	16.9	—	—	16.8		
SB-2 (8-10)	04/24/25	HET	62.3	1300	—	6.42	—	—	23.5	13	24.8	—	—	0.7	0.153	—	—	—	345	403	—	—	17	8.69	—	—	—	—	—	70	7.36	23.4		
SB-2 (8-10)	04/24/25	ICON	—	1170	—	6.11	—	—	—	—	—	—	—	—	—	—	4.29	—	222	254	—	<0.390	9.32	7.08	<0.103	—	—	23.0	30.7	—	—	21.7		
SB-2 (12-14)	04/24/25	HET	8.59	166	—	1.07	—	—	3.49	1.7	4.28	—	—	1	0.038	—	—	—	110	220	—	—	15.9	6.83	—	—	—	—	—	73.8	7.66	24.3		
SB-2 (12-14)	04/24/25	ICON	—	154	—	0.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.2		
SB-2 (16-18)	04/24/25	HET	1.5	41	—	0.342	—	—	0.824	0.461	1.94	—	—	1.7	0.036	—	—	—	144	236	—	—	22.4	10.3	—	—	—	—	—	125	7.95	22.7		
SB-2 (16-18)	04/24/25	ICON	—	25.9	—	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.4		
SB-2 (22-24)	04/24/25	HET	2.9	37.1	—	0.469	—	—	1.63	0.696	1.86	—	—	1.1	0.07	—	—	—	73	134	—	—	11.3	4.64	—	—	—	—	—	44.2	7.59	20.7		
SB-2 (22-24)	04/25/25	ICON	—	30.8	—	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9		

Soil Analytical Summary - 29-B Analyses (Limited Admission Area)																																		
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																		
Table 1 Page 4 of 5																																		
Sample ID / Depth (feet)	Sample Date	Sampler	Salinity														Metals ⁵															Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Chromium (Total/SPLP)	Lead (Total/SPLP)	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056	29B	6010B	1312	6010B	29B	1312	6010B	6010B/1312	6010B/1312	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G		
			meq/L	mg/Kg	mg/L	mmhos/ cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L	%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg,mg/L	mg/Kg,mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A		
LDEQ RECAP MO-1 Soilini ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
SB-3 (0-2)	04/25/25	HET	1.64	26.2	—	0.773	—	—	2.56	1.81	4.27	—	—	5.2	0.911	—	—	—	297	376	—	—	18.9	16	—	—	—	—	—	67.1	8.28	15.8		
SB-3 (0-2)	04/25/25	ICON	—	24.2	—	0.37	—	—	—	—	—	—	—	—	—	—	4.73	—	176	155	—	<0.422	10.5	12.9	<0.0942	—	—	16.8	11.7	—	—	15.4		
SB-3 (2-4)	04/25/25	HET	2.05	24.0	—	0.420	—	6.71	0.38	0.167	3.51	—	—	0.8	0.464	—	—	—	152	245	—	—	22.6	9.5	—	—	—	—	—	84.1	7.51	20.1		
SB-3 (2-4)	04/25/25	ICON	—	25.9	—	0.33	—	—	—	—	—	—	—	—	—	—	2.92	—	155	197	—	<0.410	8.98	10.6	<0.0926	—	—	18.9	12.8	—	—	17.8		
SB-3 (4-6)	04/25/25	ICON	—	12.6	—	0.21	—	—	—	—	—	—	—	—	—	—	5.49	—	263	334	—	<0.395	9.72	10.1	<0.0950	—	—	26.4	25.6	—	—	20.3		
SB-3 (8-10)	04/25/25	HET	0.552	<20.0	—	0.358	—	—	0.375	0.181	3.25	—	—	2.6	0.376	—	—	—	383	538	—	—	21.4	9.37	—	—	—	—	—	113	7.93	26		
SB-3 (8-10)	04/25/25	ICON	—	11.3	—	0.22	—	—	—	—	—	—	—	—	—	—	6.89	—	242	294	—	<0.390	9.39	7.34	<0.0927	—	—	28.5	31.0	—	—	21.7		
SB-3 (12-14)	04/25/25	HET	0.97	<20.0	—	0.391	—	—	0.541	0.258	3.23	—	—	2.4	0.401	—	—	—	94.2	184	—	—	15.8	7.43	—	—	—	—	—	60.6	7.90	21.8		
SB-3 (12-14)	04/25/25	ICON	—	7.19	—	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.3		
SB-3 (16-18)	04/25/25	HET	0.388	<20.0	—	0.262	—	—	0.54	0.279	1.89	—	—	2.0	0.27	—	—	—	143	280	—	—	22.6	9.66	—	—	—	—	—	134	7.90	25.2		
SB-3 (16-18)	04/25/25	ICON	—	18.3	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.7		
SB-3 (22-24)	04/25/25	HET	1.67	24.7	—	0.42	—	—	1.06	0.526	2.41	—	—	1.9	0.344	—	—	—	109	193	—	—	16.7	7.15	—	—	—	—	—	60.4	7.93	20.3		
SB-3 (22-24)	04/25/25	ICON	—	19.3	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.7		
SB-4 (0-2)	04/24/25	HET	0.157	<20.0	—	0.304	—	—	2.11	0.647	0.407	—	—	2.6	0.434	—	—	—	260	244	—	—	17.4	24.4	—	—	—	—	—	61.1	7.90	14.6		
SB-4 (0-2)	04/24/25	ICON	—	2.70	—	0.34	—	—	—	—	—	—	—	—	—	—	6.05	—	236	222	—	<0.428	10.6	18.8	<0.0991	—	—	9.81	10.3	—	—	14.2		
SB-4 (2-4)	04/24/25	HET	0.152	<20.0	—	0.132	—	—	0.635	0.263	0.434	—	—	0.8	0.211	—	—	—	193	263	—	—	18.6	10.9	—	—	—	—	—	67.9	7.53	21.5		
SB-4 (2-4)	04/24/25	ICON	—	3.69	—	0.15	—	—	—	—	—	—	—	—	—	—	5.25	—	287	332	—	<0.416	11.5	17.5	<0.101	—	—	14.8	14.7	—	—	16.8		
SB-4 (7-9)	04/24/25	ICON	—	6.43	—	0.18	—	—	—	—	—	—	—	—	—	—	3.51	—	175	198	—	<0.429	8.73	5.87	<0.105	—	—	13.3	16.4	—	—	13.9		
SB-4 (8-10)	04/24/25	HET	0.438	<20.0	—	0.182	—	—	0.294	0.14	1.3	—	—	0.6	0.461	—	—	—	90.1	155	—	—	10.8	6.51	—	—	—	—	—	38.1	7.56	16.2		
SB-4 (8-10)	04/24/25	ICON	—	3.96	—	0.24	—	—	—	—	—	—	—	—	—	—	4.06	—	99.5	130	—	<0.410	6.52	4.32	<0.101	—	—	9.80	14.3	—	—	17.2		
SB-4 (12-14)	04/24/25	HET	0.286	<20.0	—	0.308	—	—	0.875	0.36	2.07	—	—	2.7	0.204	—	—	—	149	318	—	—	24.8	12.1	—	—	—	—	—	188	8.07	29.8		
SB-4 (12-14)	04/24/25	ICON	—	10.8	—	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.1		
SB-4 (18-20)	04/24/25	HET	0.416	<20.0	—	0.268	—	—	0.668	0.29	1.86	—	—	2.2	0.179	—	—	—	187	342	—	—	17.6	9.34	—	—	—	—	—	142	8.11	30.5		
SB-4 (18-20)	04/24/25	ICON	—	10.9	—	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.3		
SB-4 (22-24)	04/24/25	HET	0.67	<20.0	—	0.301	—	—	0.762	0.342	1.95	—	—	2	0.256	—	—	—	113	190	—	—	19.2	8.99	—	—	—	—	—	92.5	7.97	23.3		
SB-4 (22-24)	04/24/25	ICON	—	12.9	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.7		

Soil Analytical Summary - 29-B Analyses (Limited Admission Area)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

Table 1
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Sample ID / Depth (feet)	Sample Date	Sampler	Salinity													Oil & Grease	Metals ⁵															Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate		Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Chromium (Total/SPLP)	Lead (Total/SPLP)	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056		29B	6010B	1312	6010B	29B	1312	6010B	6010B/1312	6010B/1312	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G	
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L		%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg,mg/L	mg/Kg,mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%
L DENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
L DEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A		
L DEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
DB-1 (8-10)	04/16/25	HET	46.8	1440	—	5.13	—	—	11.5	6.54	29.1	—	—	<0.3	0.066	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.9	7.13	22.1		
DB-1 (8-10)	04/16/25	ICON	—	1350	—	5.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DB-1 (23-25)	04/16/25	HET	3.76	87.6	—	0.589	—	—	2.04	0.916	2.17	—	—	1.5	0.088	—	—	—	—	—	—	—	—	—	—	—	—	—	—	135	8.14	9.02		
DB-1 (23-25)	04/16/25	ICON	—	90.2	—	0.530	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DB-1 (43-45)	04/17/25	HET	14.9	304	—	1.87	—	—	5.1	2.07	8.95	—	—	2.3	0.276	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88.5	8.23	23		
DB-1 (43-45)	04/17/25	ICON	—	339	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DB-1 (58-60)	04/17/25	HET	16.2	270	—	2.04	—	—	8.28	3.67	5.19	—	—	2.8	0.289	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.3	8.07	28.5		
DB-1 (58-60)	04/17/25	ICON	—	278	—	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DB-1 (60-62)	04/17/25	HET	9.42	168	—	1.31	—	—	5.22	2.29	3.43	—	—	2.2	0.345	—	—	—	—	—	—	—	—	—	—	—	—	—	—	112	8.08	31.3		
DB-1 (60-62)	04/17/25	ICON	—	198	—	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DB-1 (70-72)	04/17/25	HET	0.955	24.8	—	0.653	—	—	2.59	1.14	2.64	—	—	4.2	1.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.5	8.51	29.1		
DB-1 (70-72)	04/17/25	ICON	—	19.5	—	0.320	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DB-1 (78-80)	04/17/25	HET	1.15	<20.0	—	0.525	—	—	1.92	0.827	2.18	—	—	3.6	0.637	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	8.38	22.4		
DB-1 (78-80)	04/17/25	ICON	—	24.5	—	0.610	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Maximum	N/A	N/A	85.6	5340	238	27.4	48.1	67.4	73.9	35.4	196	148	44.1	6.6	4.23	0.26	9.98	—	3768	39100	7.85	0.000	146 / 0.339	200 / 0.0936	0.0649	<3.94	<0.500	235	93.6	366	8.63	39.1		
L DENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
L DEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A		
L DEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		

1 - LDENR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - LDEQ RECAP Non-Industrial Screening Standards (lowest of Soil_{SSH} and Soil_{SSGW}) per Table 1 of RECAP for comparison purposes only
3 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soil_{HI} only) per Table 2 of RECAP listed for comparison purposes only
4 - SPLP standard determined by EPA Water Advisory Limit or LDEQ RECAP Groundwater Screening Standard multiplied by a default attenuation factor of 20 in accordance with LDEQ RECAP guidelines
5 - All metal results reported on or converted to wet weight
* - 29-B Leachate Chloride analysis instead of SPLP Chloride analysis
H - Holding time for preparation or analysis exceeded
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mg/L - milligrams per Liter
meq/L - milli equivalents per Liter
mmhos/cm - milli mohs per centimeter
EC - Electrical Conductivity
ESP - Exchangeable Sodium Percentage
SAR - Sodium Adsorption Ratio
— Not Analyzed
N/A - Not Applicable

Soil Analytical Summary - 29-B Analyses (Other Areas)																																		
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																		
Table 2 Page 1 of 4																																		
Sample ID / Depth (feet)	Sample Date	Sampler	Salinity														Metals ⁵															Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056	29B	6010B	1312	6010B	29B	1312	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G	
			meq/L	mg/Kg	mg/L	mmhos/ cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L	%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100	100	2.3	20	39	N/A	2300	N/A	N/A	N/A		
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																		
HA-10 (0-2)	08/02/24	ERM	—	74.0	—	0.483	6.4	9.78	0.172	0.13	3.8	—	30.8	—	—	—	4.08	—	764	2910	—	<0.200	19.8	10.8	<0.0171	1.16	<0.500	30.8	34.8	100	—	22.4		
HA-10 (0-2)	08/02/24	ICON	—	75.4	—	0.51	7.26	7.47	0.51	0.39	5.01	—	37.4	—	—	—	3.03	—	866	1760	—	<0.406	11.5	9.26	<0.0979	—	—	25.9	16.2	—	—	17.4		
HA-10R (0-2)	04/25/25	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168	—	4.48	—	—	—	—	—	—	—	—	—	—	19.6		
HA-10R (0-2)	04/25/25	ICON	—	29.5	—	0.26	—	—	—	—	—	—	—	—	—	—	3.32	—	1010	2400	—	<0.415	10.8	9.90	<0.0963	—	—	28.0	14.3	—	—	16.9		
HA-10 (2-4)	08/02/24	ERM	—	268	—	1.42	13.6	17.4	0.519	0.366	11.6	—	33.1	—	—	—	3.85	—	137	386	—	<0.200	17.8	10.7	<0.0171	<1.00	<0.500	20.4	36.4	145	—	18.3		
HA-10 (2-4)	08/02/24	ICON	—	256	—	1.36	23.9	15.2	0.75	0.89	13.7	—	25.8	—	—	—	2.97	—	209	421	—	<0.411	10.7	8.87	<0.107	—	—	18.3	17.6	—	—	15.7		
HA-10 (4-6)	08/02/24	ERM	—	385	—	1.68	16.1	21.4	0.48	0.362	13.9	—	33.2	—	—	—	4.21	—	256	392	—	<0.200	18.8	12.3	<0.0176	<1.00	<0.500	22.9	32.8	144	—	16.5		
HA-10 (4-6)	08/02/24	ICON	—	251	—	1.08	23.4	12.0	0.69	0.64	9.77	—	30.1	—	—	—	2.53	—	230	351	—	<0.420	10.7	9.17	<0.0952	—	—	18.8	17.6	—	—	14.1		
CD-6 (0-4')	04/12/22	ICON	—	7.75	—	0.3	5.2	4.29	0.37	0.28	2.45	—	37.1	—	—	—	3.94	—	213	418	—	<0.500	10.4	9.48	<0.107	—	—	19.7	15.9	—	—	19		
CD-6 (6-8')	04/12/22	ICON	—	18.9	—	0.37	5.95	4.94	0.47	0.33	3.12	—	40.7	—	—	—	3.64	—	216	417	—	<0.483	13.7	9.91	<0.109	—	—	41.6	38.5	—	—	17.4		
CD-6 (6-8')	04/12/22	ERM	—	10.7	—	0.569	4.41	8.43	0.42	0.292	5.03	—	37.7	—	—	—	2.71	—	189	—	—	<0.200	11.7	7.01	<0.134	<1.00	<0.500	—	33.0	113	8.54	16.3		
CD-6 (10-12')	04/12/22	ICON	—	31.1	—	0.32	5.63	3.93	0.47	0.51	2.74	—	55.7	—	—	—	7.06	—	179	389	—	<0.497	15.0	11.2	<0.0928	—	—	43.7	45.9	—	—	21.7		
CD-6 (10-12')	04/12/22	ERM	—	12.7	—	0.526	6.34	9.1	0.312	0.235	4.76	—	30.4	—	—	—	9.45	—	184	—	—	<0.200	19.9	15.6	<0.147	<1.00	<0.500	—	55.7	160	8.52	27.1		
CD-6 (28-30')	04/12/22	ICON	—	—	26.2*	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.1		
CD-6 (28-30')	04/12/22	ERM	—	—	3.86	0.806	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.2	—	24.3		
CD-6 (52-54')	04/13/22	ICON	—	—	10.1*	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.6		
CD-6 (52-54')	04/13/22	ERM	—	—	0.863	0.704	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	—	22.4		
CD-6 (76-78')	04/13/22	ICON	—	—	—	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17.4		
CD-6 (76-78')	04/13/22	ERM	—	—	—	0.619	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63.4	—	20.1		
CD-8 (2-4')	04/21/22	ICON	—	24.4	—	0.28	0.49	0.74	1.55	0.55	0.76	—	46.5	—	—	—	3.33	—	206	351	—	<0.498	10.8	11.5	<0.0992	—	—	18.1	14.9	—	—	22.6		
CD-8 (4-6')	04/21/22	ICON	—	63.6	—	0.43	0.71	1.03	2.1	0.65	1.21	—	44	—	—	—	4.21	—	445	544	—	<0.499	8.40	10.6	<0.105	—	—	21.5	20.2	—	—	15.5		
CD-8 (4-6')	04/21/22	ERM	—	43.8	—	0.557	0.853	1.25	2.32	0.769	1.55	—	33.5	—	—	—	1.99	—	109	—	—	<0.200	6.30	5.88	<0.153	<1.00	<0.500	—	18.4	78.1	8.17	18.3		
CD-8 (8-10')	04/21/22	ICON	—	18.2	—	0.27	0.900	1.08	1.25	0.52	1.01	—	30.9	—	—	—	4.85	—	292	435	—	<0.499	8.63	6.40	<0.104	—	—	20.4	31.3	—	—	16.2		
CD-8 (8-10')	04/21/22	ERM	—	12	—	0.422	0.795	1.2	2.33	0.753	1.49	—	27.4	—	—	—	8.67	—	192	—	—	<0.200	9.28	9.53	<0.135	<1.00	<0.500	—	40.1	75.9	8.19	15.9		
CD-8 (18-20')	04/21/22	ICON	—	9.03	3.81*	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.2		
CD-8 (18-20')	04/21/22	ERM	—	<4.00	<0.400	0.244	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	107	—	26.7		
CD-8 (48-50')	04/21/22	ICON	—	16.5	12.6*	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.3		
CD-8 (48-50')	04/21/22	ERM	—	11.6	0.908	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64.2	—	35.1		
CD-8 (62-64')	04/21/22	ICON	—	40	—	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25		
CD-8 (62-64')	04/21/22	ERM	—	43	—	0.721	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.1	—	27		

Soil Analytical Summary - 29-B Analyses (Other Areas)																																		
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																		
Table 2 Page 2 of 4																																		
Sample ID / Depth (feet)	Sample Date	Sampler	Salinity													Oil & Grease	Metals ⁵															Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate		Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture		
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056		29B	6010B	1312	6010B	29B	1312	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G	
			meq/L	mg/Kg	mg/L	mmhos/ cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L		%	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	'6-9	N/A		
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100	100	2.3	20	39	N/A	2300	N/A	N/A	N/A		
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A		
CD-9 (2-4')	04/27/22	ICON	—	7.99	—	0.33	3.41	3	0.73	0.43	2.29	—	30.3	—	—	—	3.01	—	213	590	—	<0.477	8.69	8.45	<0.0992	—	—	17.7	13.7	—	—	17.2		
CD-9 (6-8')	04/27/22	ICON	—	14.8	—	0.16	2.99	2.32	0.26	0.2	1.11	—	24	—	—	—	0.265	—	15.5	481	—	<0.500	0.830	0.671	<0.100	—	—	1.73	1.39	—	—	91.7		
CD-9 (6-8')	04/27/22	ERM	—	10.9	—	0.307	2.22	1.59	2.17	1.14	2.05	—	27.9	—	—	—	2.28	—	114	<500	—	<0.200	7.31	5.06	<0.160	—	—	21	18.6	63.9	7.81	15.5		
CD-9 (10-12')	04/27/22	ICON	—	34.6	—	0.29	1.94	2.32	0.55	0.4	1.6	—	29.5	—	—	—	5.84	—	221	389	—	<0.498	10.1	7.28	<0.0988	—	—	24.1	28.5	—	—	14.9		
CD-9 (10-12')	04/27/22	ERM	—	22.9	—	0.37	1.69	2.19	1.72	<0.820	2.03	—	30	—	—	—	3.93	—	193	2350	—	<0.200	8.06	9.88	<0.148	—	—	25.4	27.5	65.5	7.98	16.4		
CD-9 (22-24')	04/27/22	ICON	—	14.3	3.23*	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.4		
CD-9 (22-24')	04/27/22	ERM	—	7.05	0.41	0.337	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67.1	—	28.9		
CD-9 (56-58')	04/28/22	ICON	—	38.7	9.41*	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.8		
CD-9 (56-58')	04/28/22	ERM	—	17.7	0.99	0.651	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.2		
CD-9 (58-60')	04/28/22	ICON	—	22.2	—	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.3		
CD-9 (58-60')	04/28/22	ERM	—	14.4	—	0.671	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.7	—	22.5		
CD-10 (2-4')	05/04/22	ICON	—	10.8	—	0.33	1.88	2.97	0.67	0.39	2.17	—	26.2	—	—	—	3.29	—	210	305	—	<0.500	10.7	14.2	<0.101	—	—	11.8	13.8	—	—	12.6		
CD-10 (6-8')	05/04/22	ICON	—	28.8	—	0.39	2.96	3.16	0.7	0.42	2.37	—	28.1	—	—	—	1.79	—	153	351	—	<0.495	8.76	6.71	<0.0986	—	—	15.3	17.1	—	—	16.6		
CD-10 (6-8')	05/04/22	ERM	—	6.28	—	0.414	2.42	2.31	2.5	1.4	3.22	—	28.4	—	—	—	1.71	—	134	<500	—	<0.200	7.81	7.73	<0.141	—	—	14.3	14.8	85.3	8.69	14.4		
CD-10 (8-10')	05/04/22	ICON	—	34.3	—	0.21	2.9	2.47	0.3	0.2	1.23	—	44.8	—	—	—	3.81	—	209	425	—	<0.501	13.4	7.95	<0.0956	—	—	24.5	32.6	—	—	21.3		
CD-10 (8-10')	05/04/22	ERM	—	6.48	—	0.188	2.52	2.29	0.585	<0.820	1.24	—	51.7	—	—	—	7.01	—	277	<500	—	<1.00	13.7	9.04	<0.144	—	—	27.4	42.1	120	8.16	19.3		
CD-10 (28-30')	05/04/22	ICON	—	13.1	3.51*	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.2		
CD-10 (28-30')	05/04/22	ERM	—	8.89	0.418	0.291	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21		
CD-10 (52-54')	05/04/22	ICON	—	17.2	4.23*	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.4		
CD-10 (52-54')	05/04/22	ERM	—	6.73	0.491	0.762	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.9	—	29.7		
CD-10 (60-62')	05/04/22	ICON	—	17.4	—	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21		
CD-10 (60-62')	05/04/22	ERM	—	11.6	—	0.428	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	36.9	—	21.9		
CD-12R (8-10)	04/22/25	HET	2.82	37.4	—	0.531	—	—	0.614	0.153	4.46	—	—	0.8	0.438	—	—	—	—	—	—	—	—	—	—	—	—	—	—	101	7.58	18.7		
CD-12R (8-10)	04/22/25	ICON	—	88.3	—	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.1		
CD-12R (16-18)	04/22/25	HET	0.302	<20.0	—	0.287	—	—	0.83	0.295	1.96	—	—	2.6	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	182	8.00	29.7		
CD-12R (16-18)	04/22/25	ICON	—	11.2	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.6		
CD-12R (26-28)	04/22/25	HET	0.393	<20.0	—	0.338	—	—	0.901	0.373	2.33	—	—	2.6	0.319	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	8.10	23.6		
CD-12R (26-28)	04/22/25	ICON	—	7.09	—	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21		
CD-12R (46-48)	04/22/25	HET	0.411	<20.0	—	0.427	—	—	1.83	0.626	1.79	—	—	3.3	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106	8.22	22.1		
CD-12R (46-48)																																		

Soil Analytical Summary - 29-B Analyses (Other Areas)																																			
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																			
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Sample ID / Depth (feet)	Sample Date	Sampler	Salinity														Oil & Grease	Metals ⁵															Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate	Total Arsenic		SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture			
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056	29B		6010B	1312	6010B	29B	1312	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G		
			meq/L	mg/Kg	mg/L	mmhos/ cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L	%		mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%	
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	ˆ6-9	N/A			
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100	100	2.3	20	39	N/A	2300	N/A	N/A	N/A			
LDEQ RECAP MO-1 Soilini ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A			
CD-16 (10-12)	06/10/24	ERM	—	—	<1.60	0.313	1.51	2.67	0.925	0.395	2.17	—	49.1	—	—	—	10.9	—	228	349	—	<0.200	32.4	16.1	<0.0185	<1.00	<0.500	—	109	147	8.29	26.8			
CD-16 (10-12)	06/10/24	ICON	—	114	—	0.77	6.08	3.43	1.61	—	3.95	—	36.2	—	—	—	5.22	—	452	4450	—	<0.782	17.7	10.5	<0.107	—	—	3.95	45.7	—	—	20			
CD-16 (14-16)	06/10/24	ERM	—	—	<1.60	0.27	1.16	1.92	0.832	0.457	1.54	—	58.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	159	8.34	27.4			
CD-16 (14-16)	06/10/24	ICON	—	36.9	5.50*	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.5			
CD-16 (54-56)	06/10/24	ERM	—	—	<1.60	0.526	1.3	2.2	1.73	0.754	2.45	—	37.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.7	8.34	27.6			
CD-16 (54-56)	06/10/24	ICON	—	64.3	8.13*	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.6			
CD-17 (8-10)	06/14/24	ERM	—	—	14.4	1.44	11.8	16.7	0.643	0.456	12.4	—	41.8	—	—	—	3.4	—	209	448	—	<0.200	23.5	13.7	<0.0166	<1.00	<0.500	—	112	142	7.27	22.8			
CD-17 (8-10)	06/14/24	ICON	—	289	—	1.57	18.8	12.8	0.68	0.8	11	—	33.4	—	—	—	2.44	—	389	942	—	<0.812	13	8.19	<0.107	—	—	27.3	29.1	—	—	16.2			
CD-17 (14-16)	06/14/24	ERM	—	—	10.3	1.2	2.77	5.07	2.33	1.53	7.04	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	116	7.73	21.2			
CD-17 (14-16)	06/14/24	ICON	—	255	69.7*	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8			
CD-17 (60-62)	06/14/24	ERM	—	—	5.58	1.12	1.26	2.51	3.91	1.67	4.2	—	33.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74.9	7.90	29.5			
CD-17 (60-62)	06/14/24	ICON	—	130	55.7*	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25			
CD-18 (0-4)	07/23/24	ERM	—	5.64	—	0.464	1.5	1.96	1.91	0.657	2.22	—	28.6	—	—	—	3.76	—	312	665	—	<0.200	16.1	10.1	0.0242	<1.00	<0.500	45.3	126	77.4	7.95	22.1			
CD-18 (0-4)	07/23/24	ICON	—	75.3	—	0.53	16.5	6.45	0.51	0.42	4.4	—	33.3	—	—	—	4.24	—	399	868	—	<0.411	11.7	9.32	<0.103	—	—	36.1	33.2	—	—	16.1			
CD-18 (6-8)	07/23/24	ERM	—	81.1	—	0.734	8.52	11.6	0.458	0.205	6.7	—	43.9	—	—	—	11.0	—	303	922	—	0.35	26.3	16.9	<0.0173	<1.00	<0.500	46.8	68.9	139	8.50	21.2			
CD-18 (6-8)	07/23/24	ICON	—	16.5	—	0.44	3.37	1.87	2.05	0.74	2.21	—	28.6	—	—	—	3.2	—	693	1580	—	<0.400	10.7	8.73	<0.107	—	—	61.3	23.9	—	—	18			
CD-18 (10-12)	07/23/24	ERM	—	322	—	1.13	7.43	11.7	0.717	0.571	9.38	—	50.9	—	—	—	15.6	—	316	483	—	<0.200	29.4	16.4	<0.0175	<1.00	<0.500	46.4	72.4	167	8.39	26			
CD-18 (10-12)	07/23/24	ICON	—	—	—	1.21	13.4	7.34	1.67	1.29	8.93	—	39.5	—	—	—	8.01	—	386	809	—	<0.402	14.5	12.7	<0.0988	—	—	46.4	45	—	—	18.7			
CD-18 (14-16)	07/23/24	ERM	—	65.7	6.45	0.629	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	8.14	25.1			
CD-18 (14-16)	07/23/24	ICON	—	79.3	32.9*	0.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.7			
CD-18 (26-28)	07/23/24	ERM	—	18.5	—	0.472	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	105	8.36	25.1			
CD-18 (26-28)	07/23/24	ICON	—	49	—	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.1			
CD-18 (56-58)	07/23/24	ERM	—	39.9	7.88	0.958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	8.17	23.6			
CD-18 (56-58)	07/23/24	ICON	—	27.7	16.1*	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7			

Soil Analytical Summary - 29-B Analyses (Other Areas)

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31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

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Sample ID / Depth (feet)	Sample Date	Sampler	Salinity													Oil & Grease	Metals ⁵													Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Alkalinity (Sat. Paste)	Sulfate		Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	29B	9056		6010B	1312	6010B	29B	1312	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/ cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	meq/L	meq/L		mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	s.u.	%
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	ˆ6-9	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100	100	2.3	20	39	N/A	2300	N/A	N/A	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A
CD-19 (0-4)	07/29/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-19 (0-4)	07/29/24	ICON	—	—	—	0.49	3.43	5.46	0.68	0.44	4.09	—	32.2	—	—	—	3.82	—	171	377	—	<0.369	9.33	11.8	<0.0993	—	—	10.5	51.3	—	—	19.5
CD-19 (6-8)	07/29/24	ERM	—	93	—	0.714	12.1	13.2	0.308	0.138	6.21	—	47.8	—	—	—	2.63	—	239	377	—	<0.200	25.3	9.16	<0.0184	<1.00	<0.500	36	53.3	139	7.98	24.2
CD-19 (6-8)	07/29/24	ICON	—	59.7	—	0.33	14.5	4.29	0.43	0.55	2.99	—	39.2	—	—	—	3.21	—	254	377	—	<0.421	12.3	12.1	<0.101	—	—	24.9	28.8	—	—	16.9
CD-19 (8-10)	07/29/24	ERM	—	18.3	<1.60	0.552	12	13.4	0.19	0.114	5.23	—	33.3	—	—	—	2.22	—	207	285	—	<0.200	25.9	7.47	<0.0181	<1.00	<0.500	33.6	56.3	91.5	8.39	17.4
CD-19 (8-10)	07/29/24	ICON	—	41.5	—	0.52	11.2	5.94	0.67	0.56	4.64	—	30.6	—	—	—	<1.64	—	169	192	—	<0.410	9.72	6.21	<0.102	—	—	22.1	24.8	—	—	16.8
CD-19 (22-24)	07/29/24	ERM	—	220	—	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	97.4	7.84	27.6
CD-19 (22-24)	07/29/24	ICON	—	186	—	1.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.1
CD-19 (30-32)	07/29/24	ERM	—	135	5.17	1.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.7	7.90	29.1
CD-19 (30-32)	07/29/24	ICON	—	115	49.2*	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.7
CD-19 (46-48)	07/29/24	ERM	—	61.8	2.71	0.647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	109	8.24	34.8
CD-19 (46-48)	07/29/24	ICON	—	28.9	25.5*	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.2
CD-19 (66-68)	07/29/24	ERM	—	19.3	—	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	73.8	8.32	26
CD-19 (66-68)	07/29/24	ICON	—	30.6	—	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.4
CD-19 (78-80)	07/30/24	ERM	—	12.7	<0.400	0.629	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.8	8.32	27
CD-19 (78-80)	07/30/24	ICON	—	15.2	6.63*	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24
Maximum	N/A	N/A	2.82	385	14.4	1.68	23.9	21.4	3.91	1.67	13.9	—	58.7	3.3	1.1	—	15.6	—	1010	4450	4.48	0.350	32.4	16.9	0.0242	1.16	<0.500	61	126	182	8.69	91.7
LDENR Standards ¹	N/A	N/A	N/A	N/A	N/A	<4	<15	<12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	10	N/A	N/A	40000	N/A	10	500	500	10	10	200	N/A	500	N/A	ˆ6-9	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	5000 ⁴	N/A	N/A	N/A	N/A	N/A	N/A	1200 ⁴	N/A	N/A	N/A	N/A	12	0.2 ⁴	550	N/A	40 ⁴	3.9	100 / 2 ⁴	100 / 0.3 ⁴	2.3	20	39	N/A	2300	N/A	N/A	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	N/A	5500	N/A	N/A	39	120000	400	23	390	390	N/A	23000	N/A	N/A	N/A

1 - LDENR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only

2 - LDEQ RECAP Non-Industrial Screening Standards (lowest of Soil_{SSNI} and Soil_{SSGW}) per Table 1 of RECAP for comparison purposes only

3 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soil_{NI only}) per Table 2 of RECAP listed for comparison purposes only

4 - SPLP standard determined by EPA Water Advisory Limit or LDEQ RECAP Groundwater Screening Standard multiplied by a default attenuation factor of 20 in accordance with LDEQ RECAP guidelines

5 - All metal results reported on or converted to wet weight

* - 29-B Leachate Chloride analysis instead of SPLP Chloride analysis

H - Holding time for preparation or analysis exceeded

mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)

mg/L - milligrams per Liter

meq/L - milli equivalents per Liter

mmhos/cm - milli mohs per centimeter

EC - Electrical Conductivity

ESP - Exchangeable Sodium Percentage

SAR - Sodium Adsorption Ratio

— Not Analyzed

N/A - Not Applicable

Soil Analytical Summary - RECAP Analyses (Limited Admission Area)																																
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																
Table 3 Page 1 of 1																																
Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH								2-Methyl-naphthalene	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phen-anthrene	Pyrene
			TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics																	
			8015B	8015B	8015B	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006																	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDEQ RECAP SS ¹	10/20/03	N/A	65	65	180	1200	120	65	230	100	370	180	150	7100	180	1.7	220	88	120	0.62	0.33	0.62	6.2	62	0.33	220	230	0.62	1.5	660	230	
LDEQ RECAP MO-1 Soilni ²	N/A	N/A	650	650	1800	10000	1200	650	2300	1200	3700	1800	1500	10000	1800	220	3700	3500	22000	0.62	0.33	0.62	6.2	62	0.33	2200	2800	0.62	62	21000	2300	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																
HA-2 (0-2)	06/29/21	ICON	—	22.7	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2 (0-2)	06/29/21	ERM	—	—	—	<28.7	<28.7	<28.7	<6.00	<6.00	37.4	<6.00	<6.00	32.7	<6.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (0-2)	04/23/25	HET	—	—	—	<0.415	<1.08	<0.415	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<0.000224	<0.000183	<0.000134	<0.000213	0.000718	0.000836	0.000949	<0.000154	0.000842	<0.000096	0.00118	<0.000137	0.000768	<0.000097	0.00081	0.00107	
HA-2 (2-4)	06/29/21	ICON	—	1300	<100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2 (2-4)	06/29/21	ERM	—	—	—	<29.9	<29.9	35.1	34.1	6.12	527	41.8	22.4	378	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (2-4)	04/23/25	HET	—	—	—	—	—	—	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	<0.000224	0.00122	<0.000134	0.00161	0.000803	<0.000139	0.000772	<0.000154	0.00231	<0.000096	0.00159	<0.000137	<0.000319	0.00103	0.00123	0.0033	
HA-2 (4-6)	06/29/21	ICON	—	123	<15.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2 (4-6)	06/29/21	ERM	—	—	—	<26.8	<26.8	<26.8	9.81	<6.00	154	13.4	6.46	131	<6.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (8-10)	04/23/25	HET	—	—	—	33.1	53.1	9.68	<40.0	29.7	262	64.6	50.1	987	11.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (8-10)	04/23/25	ICON	—	5230	2800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (10-12)	04/23/25	HET	—	—	—	<0.495	4.91	0.539	<2.00	<2.00	<2.00	<2.00	<2.00	4.62	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (14-16)	04/23/25	HET	—	—	—	<0.439	<1.14	<0.439	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (14-16)	04/23/25	ICON	—	<19.9	36.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-2R (22-24)	04/23/25	HET	—	—	—	<0.463	<1.20	<0.463	<2.00	<2.00	2.78	<2.00	<2.00	10.6	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-1 (0-2)	04/24/25	HET	—	—	—	<0.448	<1.16	<0.448	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-1 (2-4)	04/25/25	HET	—	—	—	—	—	—	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-1 (8-10)	04/24/25	HET	—	—	—	<0.450	<1.17	<0.450	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-2 (0-2)	04/24/25	HET	—	—	—	<0.452	<1.18	<0.452	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-2 (2-4)	04/24/25	HET	—	—	—	<0.475	<1.23	<0.475	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-2 (8-10)	04/24/25	HET	—	—	—	<0.440	<1.14	<0.440	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-3 (0-2)	04/25/25	HET	—	—	—	<0.426	<1.11	<0.426	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-3 (2-4)	04/25/25	HET	—	—	—	—	—	—	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-3 (4-6)	04/25/25	HET	—	—	—	—	—	—	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-3 (8-10)	04/25/25	HET	—	—	—	<0.453	<1.18	<0.453	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-4 (0-2)	04/24/25	HET	—	—	—	<0.432	<1.12	<0.432	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-4 (2-4)	04/24/25	HET	—	—	—	<0.444	<1.15	<0.444	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SB-4 (8-10)	04/24/25	HET	—	—	—	<0.438	<1.14	<0.438	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Maximum	N/A	N/A	—	5230	2800	33.1	53.1	35.1	34.1	29.7	527	64.6	50.1	987	16.6	<0.000224	<0.000183	<0.000134	<0.000213	0.000803	0.000836	0.000949	<0.000154	0.00231	<0.000096	0.00159	<0.000137	0.000768	<0.000097	0.00123	0.0033	
LDEQ RECAP SS ¹	10/20/03	N/A	65	65	180	1200	120	65	230	100	370	180	150	7100	180	1.7	220	88	120	0.62	0.33	0.62	6.2	62	0.33	220	230	0.62	1.5	660	230	
LDEQ RECAP MO-1 Soilni ²	N/A	N/A	650	650	1800	10000	1200	650	2300	1200	3700	1800	1500	10000	1800	220	3700	3500	22000	0.62	0.33	0.62	6.2	62	0.33	2200	2800	0.62	62	21000	2300	

1 - LDEQ RECAP Non-Industrial Screening Standards (lowest of SoilSSni and SoilSSGW) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soilni only) per Table 2 of RECAP listed for comparison purposes only
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
EPH - Extractable Petroleum Hydrocarbons
PAH - Poly Aromatic Hydrocarbons
VPH - Volatile Petroleum Hydrocarbons
— Not Analyzed
N/A - Not Applicable

Soil Analytical Summary - RECAP Analyses (Other Areas)																																
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																
Table 4 Page 1 of 1																																
Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH																							
			TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl-naphthalene	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phen-anthrene	Pyrene	
			8015B	8015B	8015B	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C	8270C
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDEQ RECAP SS ¹	10/20/03	N/A	65	65	180	1200	120	65	230	100	370	180	150	7100	180	1.7	220	88	120	0.62	0.33	0.62	6.2	62	0.33	220	230	0.62	1.5	660	230	
LDEQ RECAP MO-1 Soil ¹ ²	N/A	N/A	650	650	1800	10000	1200	650	2300	1200	3700	1800	1500	10000	1800	220	3700	3500	22000	0.62	0.33	0.62	6.2	62	0.33	2200	2800	0.62	62	21000	2300	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																
HA-10 (0-2)	08/02/24	ICON	—	<20.0	<20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-10 (0-2)	08/02/24	ERM	—	—	—	<0.327	4.35	<0.327	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	4.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-10 (2-4)	08/02/24	ICON	—	<20.0	<20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-10 (2-4)	08/02/24	ERM	—	—	—	<0.303	<0.789	<0.303	<2.00	<2.00	3.16	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-10 (4-6)	08/02/24	ICON	—	<19.9	<19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
HA-10 (4-6)	08/02/24	ERM	—	—	—	<0.299	<0.777	<0.299	3.84	<2.00	9.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Maximum	N/A	N/A	—	<20.0	<20.0	<0.327	4.35	<0.327	3.84	<2.00	9.00	<2.00	<2.00	<4.00	4.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
LDEQ RECAP SS ¹	10/20/03	N/A	65	65	180	1200	120	65	230	100	370	180	150	7100	180	1.7	220	88	120	0.62	0.33	0.62	6.2	62	0.33	220	230	0.62	1.5	660	230	
LDEQ RECAP MO-1 Soil ¹ ²	N/A	N/A	650	650	1800	10000	1200	650	2300	1200	3700	1800	1500	10000	1800	220	3700	3500	22000	0.62	0.33	0.62	6.2	62	0.33	2200	2800	0.62	62	21000	2300	

1 - LDEQ RECAP Non-Industrial Screening Standards (lowest of SoilSSni and SoilSSGW) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soilni only) per Table 2 of RECAP listed for comparison purposes only
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
EPH - Extractable Petroleum Hydrocarbons
PAH - Poly Aromatic Hydrocarbons
VPH - Volatile Petroleum Hydrocarbons
— Not Analyzed
N/A - Not Applicable

Soil Radiological Analytical Summary

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
 31st Judicial District Court, Docket No. C-050220
 Sections 13 and 39, Township 10 South, Range 03 West; and Sections 17 and 18, Township 10 South, Range 02 West
 Section 17, Township 10 South, Range 02 West and Section 39, Township 10 South, Range 03 West
 West Mermentau Oil and Gas Field
 Jefferson Davis Parish, Louisiana
 LDENR OC Legacy Project No. 031-027
 HET Project No. 1009.A75

Table 5
Page 1 of 2

Sample ID/Depth	Sample Date	Sampler	Radium	
			Radium 226	Radium 228
			LANL ER-130 Modified	LANL ER-130 Modified
			pCi/g	pCi/g
R-1 (0-6")	6/9/22	ERM	1.36E+00	1.52E+00
R-1 (0-6")	6/9/22	ICON	3.64E+00	1.43E+00
R-1 (6-12")	6/9/22	ERM	1.17E+00	1.53E+00
R-1 (6-12")	6/9/22	ICON	2.00E+00	1.60E+00
R-1 (12-18")	6/9/22	ERM	1.36E+00	1.54E+00
R-1 (12-18")	6/9/22	ICON	4.44E+00	1.53E+00
R-1 (18-24")	6/9/22	ERM	1.15E+00	1.81E+00
R-2 (0-6")	6/9/22	ERM	1.07E+01	1.34E+00
R-2 (0-6")	6/9/22	ICON	1.89E+01	1.94E+00
R-2 (6-12")	6/9/22	ERM	1.82E+00	1.22E+00
R-2 (6-12")	6/9/22	ICON	4.84E+00	1.18E+00
R-3 (0-6")	6/9/22	ERM	2.64E+01	2.46E+00
R-3 (0-6")	6/9/22	ICON	3.62E+01	3.03E+00
R-3 (6-12")	6/9/22	ERM	3.52E+00	1.32E+00
R-3 (6-12")	6/9/22	ICON	2.05E+00	1.75E+00
R-3 (12-18")	6/9/22	ERM	1.11E+00	9.25E-01
R-3 (12-18")	6/9/22	ICON	6.06E+00	1.76E+00
R-4 (0-4")	6/9/22	ERM	4.16E+01	5.49E+01
R-4 (0-4")	6/9/22	ICON	5.62E+01	6.13E+01
R-5 (0-6")	6/9/22	ERM	1.08E+01	1.99E+01
R-5 (0-6")	6/9/22	ICON	1.87E+01	2.75E+01
CAS 001 (0-6")	4/17/25	Frazier / Wilson	1.09E+00	1.21E+00
CAS 001 (6-12")	4/17/25	Frazier / Wilson	1.53E+00	1.24E+00
CAS 002 (0-6")	4/17/25	Frazier / Wilson	1.07E+01	1.39E+00
CAS 002 (6-12")	4/17/25	Frazier / Wilson	1.61E+00	1.20E+00
CAS 003 (0-6")	4/17/25	Frazier / Wilson	1.15E+00	1.11E+00
CAS 003 (6-12")	4/17/25	Frazier / Wilson	1.18E+00	1.41E+00

Soil Radiological Analytical Summary

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.

31st Judicial District Court, Docket No. C-050220

Sections 13 and 39, Township 10 South, Range 03 West; and Sections 17 and 18, Township 10 South, Range 02 West

Section 17, Township 10 South, Range 02 West and Section 39, Township 10 South, Range 03 West

West Mermentau Oil and Gas Field

Jefferson Davis Parish, Louisiana

LDENR OC Legacy Project No. 031-027

HET Project No. 1009.A75

Table 5
Page 2 of 2

Sample ID/Depth	Sample Date	Sampler	Radium	
			Radium 226	Radium 228
			LANL ER-130 Modified	LANL ER-130 Modified
			pCi/g	pCi/g
CAS 004 (0-6")	4/17/25	Frazier / Wilson	3.52E+01	2.11E+00
CAS 004 (6-12")	4/17/25	Frazier / Wilson	8.35E+00	1.01E+00
CAS 004 (12-18")	4/17/25	Frazier / Wilson	2.55E+00	1.58E+00
CAS 005 (0-6")	4/17/25	Frazier / Wilson	1.70E+00	1.09E+00
CAS 005 (6-12")	4/17/25	Frazier / Wilson	1.24E+00	1.41E+00
Maximum	N/A	N/A	5.62E+01	6.13E+01
LDEQ Standard ¹	N/A	N/A	5 pCi/g plus background	5 pCi/g plus background

1 - LDEQ Radiation Protection Division Regulatory Limit for Site Release for Unrestricted use

pCi/g - picocuries/gram

2 - Radium-226 by EPA 903.0 Modified Method

Groundwater Analytical Summary - "A-Zone" (Limited Admission Area)																																			
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																			
Table 6 Page 1 of 1																																			
Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals															Alkalinity		Radium		
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A	9056A	N/A	2510B	2540C	9056A	8260B	8260B	8260B	8260B	8015C	8015C	8015C	6020	6020	6020	6010B	6020	6010B	6020	6010B	6010B	7470A	6010B	6020	6020	6010B	6020	6020	2320B	2320B	EPA 903	EPA 904
			mg/L	mg/L	N/A	umhos/ cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																			
CD-4A (27-42')	03/21/22	ICON	372	—	—	—	1080	23.6	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.130	<0.120	0.0275	0.481	<0.00500	88.2	<0.0100	0.413	<0.0100	29.4	0.359	<0.000200	<5.00	—	—	317	2.58	<0.0100	428	<20.0	0.338	0.640
CD-4A (27-42')	03/21/22	ERM	409	—	—	—	1120	24.8	<0.0010	<0.0010	<0.0010	<0.0010	—	—	—	0.0304	0.524	<0.00200	86.7	<0.00400	0.368	<0.00200	30	0.371	<0.000200	2.32	—	—	268	2.1	<0.00400	489	<5.00	0.385	0.628
CD-4A (27-42') (Dissolved)	03/21/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0298	0.474	<0.00200	—	<0.00400	0.329	<0.00200	—	0.347	<0.000200	—	—	—	—	2.43	<0.00400	—	—	—	—
CD-5A (28-43')	03/21/22	ICON	250	—	—	—	835	11.8	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.129	<0.119	0.0134	0.927	<0.00500	131	<0.0100	1.08	<0.0100	34.3	0.558	<0.000200	<5.00	—	—	143	0.623	0.0101	505	<20.0	0.394	1.04
CD-5A (28-43')	03/21/22	ERM	204	—	—	—	842	12.2	<0.0010	<0.0010	<0.0010	<0.0010	—	—	—	0.0135	0.997	<0.00200	122	<0.00400	0.721	<0.00200	34.3	0.563	<0.000200	2.86	—	—	136	0.604	<0.00400	541	<5.00	0.501	0.935
CD-5A (28-43') (Dissolved)	03/21/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0138	0.991	<0.00200	—	<0.00400	0.694	<0.00200	—	0.564	<0.000200	—	—	—	—	0.605	<0.00400	—	—	—	—
Maximum	N/A	N/A	409	—	—	—	1120	24.8	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.130	<0.120	0.0304	0.997	<0.0050	131	<0.0100	1.08	<0.0100	34.3	0.564	<0.00020	2.86	—	—	317	2.58	0.0101	541	<20.0	1.44	
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	

1 - LDEQ RECAP Groundwater Screening Standards per Table 1 of LDEQ RECAP document dated October 20, 2003 listed for reference purposes only

2 - EPA Secondary Drinking Water Standard

3 - EPA Primary Drinking Water Standard

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

TDS - Total Dissolved Solids

pCi/L - picocuries per liter

Filtered - Dissolved metal containers filtered and preserved at time of sample collection

mg/L - milligrams per liter equivalent to parts per million (ppm)

umhos/cm - micro mohs per centimeter

— Not Analyzed

N/A - Not Applicable

Groundwater Analytical Summary - "A-Zone" (Other Areas)																																			
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																			
Table 7 Page 1 of 2																																			
Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals															Alkalinity		Radium		
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A mg/L	9056A mg/L	N/A N/A	2510B umhos/ cm	2540C mg/L	9056A mg/L	8260B mg/L	8260B mg/L	8260B mg/L	8260B mg/L	8015C mg/L	8015C mg/L	8015C mg/L	6020 mg/L	6020 mg/L	6020 mg/L	6010B mg/L	6020 mg/L	6010B mg/L	6020 mg/L	6010B mg/L	6010B mg/L	7470A mg/L	6010B mg/L	6020 mg/L	6020 mg/L	6010B mg/L	6020 mg/L	6010B mg/L	6020 mg/L	2320B mg/L	2320B mg/L	EPA 903 pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																			
CD-6A (30-40')	05/12/22	ICON	303	—	—	—	845	3.29	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.220	<0.122	0.0214	0.596	<0.00500	119	<0.0100	—	<0.0100	40.2	0.626	<0.000200	5.15	—	—	141	0.738	<0.0100	342	<20.0	0.662	0.507
CD-6A (30-40')	05/12/22	ERM	295	—	—	—	928	3.35	<0.001	0.0095	<0.001	<0.001	—	—	—	0.0210	0.537	<0.00200	106	<0.00400	3.62	<0.00200	36.3	0.538	<0.000200	4.49	—	—	126	0.681	<0.00400	373	<5.00	0.386	0.815
CD-6A (30-40') (Dissolved)	05/12/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0214	0.52	<0.00200	—	<0.00400	3.61	<0.00200	—	0.545	<0.000200	—	—	—	0.67	<0.00400	—	—	—	—	
CD-8A (20-30')	05/10/22	ICON	12.6	—	—	—	432	10.9	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.141	<0.125	0.0719	0.619	<0.00500	75.8	<0.0100	—	<0.0100	19.5	0.425	<0.000200	<5.00	—	—	58.1	0.417	<0.0100	325	<20.0	0.628	0.231
CD-8A (20-30')	05/10/22	ERM	11	—	—	—	428	9.84	<0.001	0.002	<0.001	<0.001	—	—	—	0.0736	0.575	<0.00200	70.5	<0.00400	3.24	<0.00200	18.8	0.381	<0.000200	3.69	—	—	54.5	0.401	0.00538	388	<5.00	0.412	0.601
CD-8A (20-30') (Dissolved)	05/10/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0811	0.587	<0.00200	—	<0.00400	3.42	<0.00200	—	0.416	<0.000200	—	—	—	0.421	<0.00400	—	—	—	—	
CD-9A (26-36')	05/09/22	ICON	47.1	—	—	—	534	12.4	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.132	<0.122	0.0162	0.569	<0.00500	93.2	<0.0100	1.95	<0.0100	27.8	0.406	<0.000200	<5.00	—	—	85.9	0.561	<0.0100	402 H	<20.0 H	0.270	0.522
CD-9A (26-36')	05/09/22	ERM	45.8	—	—	—	536	13.4	<0.001	0.002	<0.001	<0.001	—	—	—	0.0160	0.523	<0.00200	84.8	<0.00400	1.62	<0.00200	25.9	0.361	<0.000200	1.98	—	—	78.7	0.542	<0.00400	469	<5.00	0.368	0.328
CD-9A (26-36') (Dissolved)	05/09/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0175	0.561	<0.00200	—	<0.00400	1.65	<0.00200	—	0.38	<0.000200	—	—	—	0.579	<0.00400	—	—	—	—	
CD-10A (30-40')	05/10/22	ICON	41	—	—	—	309	11.5	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.136	<0.126	0.00868	0.211	<0.00500	42	<0.0100	—	<0.0100	9.23	0.163	<0.000200	<5.00	—	—	60.6	0.172	<0.0100	215	<20.0	0.331	0.436
CD-10A (30-40')	05/10/22	ERM	35.6	—	—	—	294	10.4	<0.001	<0.001	<0.001	<0.001	—	—	—	0.0088	0.193	<0.00200	39.6	<0.00400	0.404	<0.00200	9.01	0.147	<0.000200	1.73	—	—	56.9	0.166	0.00475	256	<5.00	0.229	0.598
CD-10A (30-40') (Dissolved)	05/10/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00871	0.19	<0.00200	—	<0.00400	0.367	<0.00200	—	0.148	<0.000200	—	—	—	0.164	<0.00400	—	—	—	—	
CD-12A (7-17')	06/13/22	ICON	28.6	—	—	—	242	16.8	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.259	<0.121	<0.00250	0.121	<0.00500	14.1	<0.0100	0.452	<0.0100	4.62	0.303	<0.000200	<5.00	—	—	57.1	0.0683	<0.0100	110	<20.0	0.210	0.669
CD-12A (7-17')	06/13/22	ERM	25.8	—	—	—	422	15.9	<0.0010	<0.0010	<0.0010	<0.0010	—	—	—	<0.00200	0.152	<0.00200	15.7	0.00859	0.931	<0.00200	5.63	0.521	<0.000200	0.709	—	—	67.9	0.0842	<0.00400	123	<5.00	0.0513	1.32
CD-12A (7-17') (Dissolved)	06/13/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.00200	0.107	<0.00200	—	<0.00400	<0.200	<0.00200	—	0.244	<0.000200	—	—	—	0.0664	<0.00400	—	—	—	—	
CD-12B (29-39')	06/13/22	ICON	30.1	—	—	—	351	15.4	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.130	<0.120	0.00796	0.262	<0.00500	44.9	<0.0100	0.31	<0.0100	11.6	0.338	<0.000200	<5.00	—	—	69.5	0.212	<0.0100	235	<20.0	-0.109	-0.700
CD-12B (29-39')	06/13/22	ERM	28.8	—	—	—	388	17.5	<0.0010	<0.0010	<0.0010	<0.0010	—	—	—	0.00774	0.259	<0.00200	46.8	<0.00400	0.306	<0.00200	12	0.349	<0.000200	2.35	—	—	69.4	0.213	<0.00400	268	<5.00	0.144	0.602
CD-12B (29-39') (Dissolved)	06/13/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00759	0.244	<0.00200	—	<0.00400	0.246	<0.00200	—	0.308	<0.000200	—	—	—	0.198	<0.00400	—	—	—	—	
CD-13A (22-32')	06/13/22	ICON	92.1	—	—	—	675	9.21	<0.00500	0.0234	<0.00500	<0.0500	<0.150	0.240	0.137	0.0124	0.583	<0.00500	111	<0.0100	1.3	<0.0100	29.7	0.409	<0.000200	<5.00	—	—	114	0.552	<0.0100	478	<20.0	0.313	0.674
CD-13A (22-32')	06/13/22	ERM	75.1	—	—	—	726	11.3	<0.0010	0.0026	<0.0010	<0.0010	—	—	—	0.0116	0.61	<0.00200	112	<0.00400	0.861	<0.00200	30	0.423	<0.000200	3.46	—	—	111	0.538	<0.00400	572	<5.00	0.855	0.715
CD-13A (22-32') (Dissolved)	06/13/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0147	0.717	<0.00200	—	<0.00400	1.04	<0.00200	—	0.417	<0.000200	—	—	—	0.578	<0.00400	—	—	—	—	
CD-13B (32-42')	06/13/22	ICON	183	—																															

Groundwater Analytical Summary - "A-Zone" (Other Areas)																																			
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																			
Table 7 Page 2 of 2																																			
Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals																Alkalinity		Radium	
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A	9056A	N/A	2510B	2540C	9056A	8260B	8260B	8260B	8260B	8015C	8015C	8015C	6020	6020	6020	6010B	6020	6010B	6020	6010B	6010B	7470A	6010B	6020	6020	6010B	6020	6020	2320B	2320B	EPA 903	EPA 904
			mg/L	mg/L	N/A	umhos/ cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
CD-19A (10-20')	08/07/24	ICON	1140	—	—	—	2120	4.92	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.813	0.247	<0.0100	2.21	<0.00500	347	<0.0100	1.79	<0.0100	118	0.122	<0.000200	5.75	—	—	256	2.11	<0.0100	340	<20.0	—	—
CD-19A (10-20')	08/07/24	ERM	1150	3.89	296	—	2480	<10.0	<0.001	0.005	<0.001	<0.001	—	—	—	0.0017	2.33	<0.0050	365	<0.005	1.82	<0.0050	111	0.128	<0.00020	4.43	0.033	<0.0050	235	2.04	<0.050	380	<10	—	—
CD-19A (10-20') (Dissolved)	08/07/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.0050	2.22	<0.0050	—	<0.005	0.663	<0.0050	—	0.115	<0.00020	—	0.041	<0.0050	—	2.00	<0.050	—	—	—	—
CD-19B (32-42')	08/07/24	ICON	734	—	—	—	1470	9.11	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.202	0.151	<0.0100	1.48	<0.00500	248	<0.0100	4.44	<0.0100	74.3	1.2	<0.000200	8.38	—	—	118	1.55	<0.0100	258	<20.0	1.10	0.965
CD-19B (32-42')	08/07/24	ERM	713	2.3	310	—	1680	8.71	<0.001	<0.005	<0.001	<0.001	—	—	—	0.0066	2.47	<0.0050	422	<0.005	4.68	<0.0010	115	2.13	<0.00020	7.97	0.007	<0.0050	179	2.49	<0.050	290	<10	1.16	3.54
CD-19B (32-42') (Dissolved)	08/07/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0082	1.47	<0.0050	—	<0.005	4.36	<0.0050	—	1.23	<0.00020	—	0.011	<0.0050	—	1.44	<0.050	—	—	—	—
Maximum	N/A	N/A	1150	3.89	459	—	2480	20.7	<0.00500	0.0234	<0.00500	<0.0500	<0.150	1.05	1.34	0.0811	2.5	<0.0050	422	0.00859	5.61	0.0013	118	2.13	<0.00020	9.63	0.041	<0.0050	256	2.49	0.101	572	<20.0	4.70	
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	

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2 - EPA Secondary Drinking Water Standard

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BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

TDS - Total Dissolved Solids

pCi/L - picocuries per liter

Filtered - Dissolved metal containers filtered and preserved at time of sample collection

mg/L - milligrams per liter equivalent to parts per million (ppm)

umhos/cm - micro mohs per centimeter

— Not Analyzed

N/A - Not Applicable

Groundwater Analytical Summary - "B-Zone" (Limited Admission Area)																																			
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Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals															Alkalinity		Radium		
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A	9056A	N/A	2510B	2540C	9056A	8260B	8260B	8260B	8260B	8015C	8015C	8015C	6020	6020	6020	6010B	6020	6010B	6020	6010B	6010B	7470A	6010B	6020	6020	6010B	6020	6020	2320B	2320B	EPA 903	EPA 904
			mg/L	mg/L	N/A	umhos/ cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																			
CD-4B (62-67')	03/21/22	ICON	1230	—	—	—	2020	39.1	<0.00500	0.0172	<0.00500	<0.0500	<0.150	<0.130	<0.120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	210	<20.0	2.12	2.70	
CD-4B (62-67') (Dissolved)	03/21/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0187	1.09	<0.00500	—	<0.0100	5.12	<0.0100	—	1.09	<0.000200	—	—	—	—	2.46	<0.0100	—	—	—	—
CD-4B (62-67')	03/21/22	ERM	1150	—	—	—	2580	39.9	<0.0010	0.017	<0.0010	<0.0010	—	—	—	0.0235	1.44	<0.00200	271	0.0235	16.9	0.00946	84.3	1.32	<0.000200	6.39	—	—	221	2.12	0.0499	212	<5.00	1.13	1.29
CD-4B (62-67') (Dissolved)	03/21/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0208	1.14	<0.00200	—	<0.00400	5.14	<0.00200	—	1.12	<0.000200	—	—	—	—	2.34	<0.00400	—	—	—	—
CD-5B (65-70')	03/23/22	ICON	12900	—	—	—	21300	<25.0	0.0154	<0.0100	<0.0050	<0.0500	<0.150	<0.128	<0.119	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	158	<20.0	21.6	27.2
CD-5B (65-70') (Dissolved)	03/23/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00313	25.1	<0.00500	—	<0.0100	54.1	<0.0100	—	8.7	<0.000200	—	—	—	—	27.6	<0.0100	—	—	—	—
CD-5B (65-70')	03/23/22	ERM	12900	—	—	—	26500	14.1	0.013	<0.0010	<0.0010	<0.0010	—	—	—	<0.0100	27.9	<0.0100	2840	0.0516	99.3	0.0788	770	12.3	<0.000200	20.8	—	—	3320	26.2	0.213	177	<5.00	4.70	23.0
CD-5B (65-70') (Dissolved)	03/23/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.0100	32.7	<0.0100	—	<0.0200	55.2	<0.0100	—	11.1	<0.000200	—	—	—	—	31.7	<0.0200	—	—	—	—
CD-5C (90-95')	05/09/22	ICON	311	—	—	—	855	0.367	<0.00500	0.0149	<0.00500	<0.0500	<0.150	<0.134	<0.124	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205 H	<20.0 H	2.40	3.17
CD-5C (90-95') (Dissolved)	05/09/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00629	0.576	<0.00500	—	<0.0100	—	<0.0100	—	0.315	<0.000200	—	—	—	—	0.682	<0.0100	—	—	—	—
CD-5C (90-95')	05/09/22	ERM	208	—	—	—	666	<0.500	<0.001	0.016	<0.001	<0.001	—	—	—	0.0092	0.679	<0.00200	101	0.0451	15.2	0.00596	30.2	0.54	<0.000200	4.5	—	—	104	0.743	0.0547	239	<5.00	0.194	1.34
CD-5C (90-95') (Dissolved)	05/09/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00634	0.506	<0.00200	—	<0.00400	1.47	<0.00200	—	0.268	<0.000200	—	—	—	—	0.628	0.00556	—	—	—	—
Maximum	N/A	N/A	12900	—	—	—	26500	39.9	0.0154	0.0172	<0.00500	<0.0500	<0.150	<0.134	<0.124	0.0235	32.7	<0.00500	2840	0.0516	99.3	0.0788	770	12.3	<0.00020	20.8	—	—	3320	31.7	0.213	239	<20.0	48.8	
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	

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Table 9 Page 1 of 2																																			
Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals														Alkalinity		Radium			
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A mg/L	9056A mg/L	N/A	2510B umhos/ cm	2540C mg/L	9056A mg/L	8260B mg/L	8260B mg/L	8260B mg/L	8260B mg/L	8015C mg/L	8015C mg/L	8015C mg/L	6020 mg/L	6020 mg/L	6020 mg/L	6010B mg/L	6020 mg/L	6010B mg/L	6010B mg/L	7470A mg/L	6010B mg/L	6020 mg/L	6020 mg/L	6010B mg/L	6020 mg/L	6020 mg/L	6010B mg/L	6020 mg/L	2320B mg/L	2320B mg/L	EPA 903 pCi/L	EPA 904 pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																			
CD-6B (56-66')	05/12/22	ICON	72.7	—	—	—	436	44.8	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.136	<0.125	0.0167	0.256	<0.00500	51.3	<0.0100	—	<0.0100	14.9	0.180	<0.000200	<5.00	—	—	80.7	0.319	<0.0100	232	<20.0	0.170	0.197
CD-6B (56-66')	05/12/22	ERM	75.2	—	—	—	454	46	<0.001	0.0035	<0.001	<0.001	—	—	—	0.0157	0.242	<0.00200	47.5	<0.00400	1.3	<0.00200	14.2	0.163	<0.000200	3.11	—	—	76.2	0.308	<0.00400	253	<5.00	0.177	-0.583
CD-6B (56-66') (Dissolved)	05/12/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0171	0.25	<0.00200	—	<0.00400	1.19	<0.00200	—	0.174	<0.000200	—	—	—	—	0.323	<0.00400	—	—	—	—
CD-8B (52-62')	05/10/22	ICON	180	—	—	—	1070	2.56	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.281	<0.127	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	338	<20.0	—	—
CD-8B (52-62') (Dissolved)	05/10/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.00250	1.34	<0.00500	—	<0.0100	—	<0.0100	—	0.449	<0.000200	—	—	—	—	0.593	<0.0100	—	—	—	—
CD-8B (52-62')	05/10/22	ERM	199	—	—	—	744	2.71	<0.001	0.01	<0.001	<0.001	—	—	—	0.0086	1.75	<0.00200	273	0.0349	31.4	0.0232	60.7	2.06	<0.000200	5.6	—	—	79	0.729	0.117	371	<5.00	—	—
CD-8B (52-62') (Dissolved)	05/10/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.00200	1.22	<0.00200	—	<0.00400	0.97	<0.00200	—	0.383	<0.000200	—	—	—	—	0.541	0.00491	—	—	—	—
CD-9B (58-68')	05/09/22	ICON	105	—	—	—	387	<0.250	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.138	<0.127	0.00925	0.258	<0.00500	55.8	<0.0100	—	<0.0100	15.2	0.204	<0.000200	<5.00	—	—	65.6	0.349	<0.0100	210 H	<20.0 H	0.193	0.471
CD-9B (58-68')	05/09/22	ERM	94.2	—	—	—	386	<0.500	<0.001	0.0015	<0.001	<0.001	—	—	—	0.00931	0.242	<0.00200	52.3	<0.00400	1.07	<0.00200	14.7	0.189	<0.000200	2.52	—	—	63.4	0.334	<0.00400	233	<5.00	0.281	1.09
CD-9B (58-68') (Dissolved)	05/09/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0099	0.259	<0.00200	—	<0.00400	1.18	<0.00200	—	0.203	<0.000200	—	—	—	—	0.359	<0.00400	—	—	—	—
CD-10D (67-82')	06/21/22	ICON	80.4	—	—	—	245	31.3	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.207	<0.124	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	225	<20.0	—	—
CD-10D (67-82') (Dissolved)	06/21/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.00250	0.161	<0.00500	26	<0.0100	0.0310	<0.0100	6.02	0.0978	<0.000200	<5.00	—	—	60.1	0.115	<0.0100	—	—	—	—
CD-10D (67-82')	06/21/22	ERM	20.1	—	—	—	342	12.1	<0.001	0.0025	<0.001	<0.001	—	—	—	0.00453	0.289	<0.00200	37.3	0.0332	8.37	0.00836	9.33	0.474	<0.000200	3.38	—	—	52.2	0.131	0.0463	179	<5.00	—	—
CD-10D (67-82') (Dissolved)	06/21/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00217	0.158	<0.00200	—	<0.00400	<0.200	<0.00200	—	0.0866	<0.000200	—	—	—	—	0.117	<0.00400	—	—	—	—
CD-13C (58-68')	06/14/22	ICON	74.6	—	—	—	562	103	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.360	<0.122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	225	<20.0	1.23	3.63
CD-13C (58-68') (Dissolved)	06/14/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0082	0.129	<0.00500	62	<0.0100	0.328	<0.0100	15.8	0.226	<0.000200	<5.00	—	—	104	0.373	<0.0100	—	—	—	—
CD-13C (58-68')	06/14/22	ERM	68.9	—	—	—	520	96	<0.0010	<0.0010	<0.0010	<0.0010	—	—	—	0.0101	0.208	<0.00200	63.9	0.0103	7.58	0.0062	16.1	0.423	<0.000200	3.58	—	—	105	0.343	0.0246	245	<5.00	0.237	0.783
CD-13C (58-68') (Dissolved)	06/14/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00908	0.159	<0.00200	—	0.0101	4.03	0.00292	—	0.326	<0.000200	—	—	—	—	0.353	0.0167	—	—	—	—
CD-16B (63-68')	06/13/24	ICON	74.0	0.157	471	—	361	2.31	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.143	<0.132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	300	<20.0	1.54	1.17
CD-16B (63-68') (Dissolved)	06/13/24	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0181	0.22	<0.00500	46.5	<0.0100	0.397	<0.0100	13	0.156	<0.000200	<5.00	—	—	63.4	0.279	<0.0100	—	—	—	—
CD-16B (63-68')	06/13/24	ERM	70.9	<0.200	—	—	355	2.15	<0.001	<0.005	<0.001	<0.001	—	—	—	0.0452	0.645	<0.0050	155	0.188	98.7	0.041	61.6	1.97	<0.00020	12.1	<0.005	<0.0050	66.3	0.523	0.323	230	<10	0.468	2.39
CD-16B (63-68') (Dissolved)	06/13/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0149	0.224	<0.0010	—	0.006	3.42	0.0011	14.2	0.195	<0.00020	—	<0.001	<0.0010	—	0.196	<0.010	—	—	—	—
CD-17B (62-72')	06/19/24	ICON	278	0.811	343	—	621	<0.250	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.136	0.181	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	212	<20.0	1.34	1.08
CD-17B (62-72') (Dissolved)	06/19/24	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0132	0.451	<0.00500	89.2	<0.0100	1.49	<0.0100	25.8	0.371	<0.000200	<5.00	—	—	93.1	0.539	<0.0100	—	—	—	—
CD-17B (62-72')	06/19/24	ERM	248	<0.500	—	—	756	<2.50	<0.001	0.009	<0.001	<0.001	—	—	—	0.0076	0.461	<0.0010	98.9	0.04	18.2	0.0059	29.3	0.764	<0.00020	5.91	<0.001	<0.0010	89.2	0.506	0.064	245	<10	2.13	2.55

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			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A	9056A	N/A	2510B	2540C	9056A	8260B	8260B	8260B	8260B	8015C	8015C	8015C	6020	6020	6020	6010B	6020	6010B	6020	6010B	6010B	7470A	6010B	6020	6020	6010B	6020	6020	2320B	2320B	EPA 903	EPA 904
			mg/L	mg/L	N/A	umhos/ cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
CD-18D (64-74)	08/06/24	ICON	148	—	—	—	470	10.7	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.139	<0.129	0.0211	0.36	<0.00500	67.9	<0.0100	2.83	<0.0100	18.8	0.27	<0.000200	<5.00	—	—	73.7	0.39	<0.0100	222	<20.0	0.479	0.336
CD-18D (64-74)	08/06/24	ERM	145	0.334	434	—	496	9.25	<0.001	<0.005	<0.001	<0.001	—	—	—	0.0954	0.546	<0.0010	102	0.065	37.3	0.02180	27.2	0.773	<0.00020	6.85	0.002	<0.0010	69.5	0.437	0.096	230	<10	0.0960	3.13
CD-18D (64-74) (Dissolved)	08/06/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0191	0.348	<0.0010	—	<0.001	1.71	<0.0010	—	0.246	<0.00020	—	<0.001	<0.0010	—	0.37	<0.010	—	—	—	—
CD-19C (52-62)	08/07/24	ICON	168	—	—	—	557	15.9	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.134	<0.123	0.0214	0.354	<0.00500	64.5	<0.0100	2.71	<0.0100	17.6	0.237	<0.000200	<5.00	—	—	67.22	0.401	0.0119	220	<20.0	1.15	0.589
CD-19C (52-62)	08/07/24	ERM	156	0.457	341	—	525	15.8	<0.001	<0.005	<0.001	<0.001	—	—	—	0.0221	0.376	<0.0010	72.9	0.003	2.63	<0.0010	18.7	0.28	<0.00020	4.3	<0.001	<0.0010	69.7	0.442	<0.010	240	<10	1.63	5.70
CD-19C (52-62) (Dissolved)	08/07/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.022	0.359	<0.0010	—	<0.001	1.37	<0.0010	—	0.224	<0.00020	—	0.001	<0.0010	—	0.42	<0.010	—	—	—	—
Maximum	N/A	N/A	278	0.811	471	—	1070	103	0.0000	0.0100	<0.00500	<0.0500	<0.150	0.36	0.181	0.0954	1.8	<0.00500	273	0.188	98.7	0.041	61.6	2.06	<0.00020	12.1	0.002	<0.0050	105	0.729	0.323	371	<20.0	7.33	
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	

1 - LDEQ RECAP Groundwater Screening Standards per Table 1 of LDEQ RECAP document dated October 20, 2003 listed for reference purposes only

2 - EPA Secondary Drinking Water Standard

3 - EPA Primary Drinking Water Standard

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

TDS - Total Dissolved Solids

pCi/L - picocuries per liter

Filtered - Dissolved metal containers filtered and preserved at time of sample collection

mg/L - milligrams per liter equivalent to parts per million (ppm)

umhos/cm - micro mohs per centimeter

— Not Analyzed

N/A - Not Applicable

Groundwater Analytical Summary - Transition Zone (Limited Admission Area)																																			
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																			
Table 10 Page 1 of 1																																			
Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals															Alkalinity		Radium		
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A	9056A	N/A	2510B	2540C	9056A	8260B	8260B	8260B	8260B	8015C	8015C	8015C	6020	6020	6020	6010B	6020	6010B	6020	6010B	6010B	7470A	6010B	6020	6020	6010B	6020	6020	2320B	2320B	EPA 903	EPA 904
			mg/L	mg/L	N/A	umhos/ cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																			
CD-5D (95-110')	06/16/22	ICON	55.4	—	—	—	327	0.762	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.282	0.179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	218	<20.0	0.445	0.447	
CD-5D (95-110') (Dissolved)	06/16/22	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.00250	0.349	<0.00500	53.0	<0.0100	2.95	<0.0100	13.7	0.235	<0.000200	<5.00	—	—	62.1	0.272	<0.0100	—	—	—	—
CD-5D (95-110')	06/16/22	ERM	54.7	—	—	—	392	0.736	<0.001	<0.001	<0.001	<0.001	—	—	—	<0.00200	0.351	<0.00200	59.7	0.0153	7.59	0.00414	15.6	0.405	<0.000200	4.58	—	—	57.6	0.245	0.021	232	<5.00	0.203	0.273
CD-5D (95-110') (Dissolved)	06/16/22	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.00200	0.367	<0.00200	—	0.00544	3.23	<0.00200	—	0.241	<0.000200	—	—	—	—	0.275	0.00535	—	—	—	—
Maximum	N/A	N/A	55.4	—	—	—	392	0.762	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	0.282	0.179	<0.00250	0.367	<0.00500	59.7	0.0153	7.59	0.00414	15.6	0.405	<0.00020	4.58	—	—	62.1	0.275	0.021	232	<20.0	0.892	
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	

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2 - EPA Secondary Drinking Water Standard

3 - EPA Primary Drinking Water Standard

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

TDS - Total Dissolved Solids

pCi/L - picocuries per liter

Filtered - Dissolved metal containers filtered and preserved at time of sample collection

mg/L - milligrams per liter equivalent to parts per million (ppm)

umhos/cm - micro mohs per centimeter

— Not Analyzed

N/A - Not Applicable

Groundwater Analytical Summary - Transition Zone (Other Areas)																																			
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																																			
Table 11 Page 1 of 1																																			
Well Number (Screen Interval)	Date	Sampler	Salinity						BTEX				Hydrocarbons			Metals																Alkalinity		Radium	
			Chloride	Bromide	Cl/Br Ratio	Specific Conductivity	TDS	Sulfate	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-GRO (C6-C10)	TPH-DRO (C10-C28)	TPH-ORO (>C28)	Arsenic	Barium	Cadmium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Mercury	Potassium	Selenium	Silver	Sodium	Strontium	Zinc	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Radium 226	Radium 228
			9056A	9056A	N/A	2510B	2540C	9056A	8260B	8260B	8260B	8260B	8015C	8015C	8015C	6020	6020	6020	6010B	6020	6010B	6020	6010B	6010B	7470A	6010B	6020	6020	6010B	6020	6020	2320B	2320B	EPA 903	EPA 904
			mg/L	mg/L	N/A	umhos/ cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	pCi/L
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																																			
CD-19D (94-104)	07/30/24	ICON	64.4	—	—	—	347	0.379	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.131	<0.131	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	315	<20.0	1.56	1.72	
CD-19D (94-104) (Dissolved)	07/30/24	ICON	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.0100	0.349	<0.00500	64	<0.0100	0.247	<0.0100	17.5	0.223	<0.000200	<5.00	—	—	90.0	0.367	<0.0100	—	—	—	—
CD-19D (94-104)	07/30/24	ERM	65.7	<0.200	—	—	348	<1.00	<0.001	<0.005	<0.001	<0.001	—	—	—	0.0234	0.754	0.0014	121	0.211	91.4	0.0382	48.1	1.48	<0.00020	11.2	0.003	<0.0010	64.5	0.423	0.283	240	<10	1.67	8.68
CD-19D (94-104) (Dissolved)	07/30/24	ERM	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0049	0.238	<0.0010	—	<0.001	0.86	<0.0010	—	0.158	<0.00020	—	<0.001	<0.0010	—	0.259	<0.010	—	—	—	—
Maximum	N/A	N/A	65.7	<0.200	—	—	348	0.379	<0.00500	<0.0100	<0.00500	<0.0500	<0.150	<0.131	<0.131	0.0234	0.754	0.0014	121	0.211	91.4	0.0382	48.1	1.48	<0.00020	11.2	0.003	<0.0010	90.0	0.423	0.283	315	<20.0	10.4	
LDEQ RECAP SS ¹	10/20/03	N/A	250 ²	N/A	N/A	N/A	500 ²	250 ²	0.005	1	0.7	10	0.15	0.15	0.15	0.01	2	0.005	N/A	0.1	0.3 ²	0.015	N/A	0.05 ²	0.002	N/A	0.05	0.018	N/A	N/A	1.1	N/A	N/A	5 Combined ³	

1 - LDEQ RECAP Groundwater Screening Standards per Table 1 of LDEQ RECAP document dated October 20, 2003 listed for reference purposes only

2 - EPA Secondary Drinking Water Standard

3 - EPA Primary Drinking Water Standard

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

TDS - Total Dissolved Solids

pCi/L - picocuries per liter

Filtered - Dissolved metal containers filtered and preserved at time of sample collection

mg/L - milligrams per liter equivalent to parts per million (ppm)

umhos/cm - micro mohs per centimeter

— Not Analyzed

N/A - Not Applicable

Groundwater Analytical Summary (Additional Parameters) - "A-Zone" (Limited Admission Area)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

Table 12
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Additional Parameters																												
Well Number (Screen Interval)	Date	Sampler	VPH			EPH						PAH																
			C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl- naphthalene	Acenaphthene	Ace- naphthylene	Anthracene	Benz(a)- anthracene	Benzo(a)- pyrene	Benzo(b)- fluoranthene	Benzo(k)- fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3- cd) pyrene	Naphthalene	Phen- anthrene	Pyrene
			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																												
CD-4A (27-42')	03/21/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-5A (28-43')	03/21/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS ¹	10/20/03	N/A	3.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	7.3	0.15	0.00062	0.037	0.1	0.043	0.0078	0.0002	0.0048	0.0025	0.0016	0.0025	0.15	0.024	0.0037	0.01	0.18	0.018

1 - LDEQ RECAP Groundwater Screening Standards per Table 1 of LDEQ RECAP document dated October 20, 2003 listed for reference purposes only
2 - EPA Secondary Drinking Water Standard
VPH - Volatile Petroleum Hydrocarbons
EPH - Extractable Petroleum Hydrocarbons
mg/L - milligrams per liter equivalent to parts per million (ppm)
— Not Analyzed
N/A - Not Applicable

Groundwater Analytical Summary (Additional Parameters) - "A-Zone" (Other Areas)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

Table 13
Page 1 of 1

Additional Parameters																												
Well Number (Screen Interval)	Date	Sampler	VPH			EPH							PAH															
			C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl- naphthalene	Acenaphthene	Ace- naphthylene	Anthracene	Benz(a)- anthracene	Benzo(a)- pyrene	Benzo(b)- fluoranthene	Benzo(k)- fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3- cd) pyrene	Naphthalene	Phen- anthrene	Pyrene
			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																												
CD-6A (30-40')	05/12/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-8A (20-30')	05/10/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-9A (26-36')	05/09/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-10A (30-40')	05/10/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-12A (7-17')	06/13/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-12B (29-39')	06/13/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-13A (22-32')	06/13/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-13B (32-42')	06/13/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-16A1 (16-26')	06/13/24	ERM	0.009	<0.013	<0.005	<0.128	<0.128	<0.128	<0.128	<0.128	<0.213	<0.149	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-16A2 (36-46')	06/13/24	ERM	<0.005	<0.013	<0.005	<0.125	<0.125	<0.125	<0.125	<0.125	<0.208	<0.146	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-17A1 (16-26')	06/18/24	ERM	<0.005	<0.013	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-17A2 (39-49')	06/18/24	ERM	<0.005	<0.013	<0.005	<0.122	<0.122	<0.122	<0.122	<0.122	<0.204	<0.143	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-18A (16-26')	08/06/24	ERM	<0.005	0.017	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-18B (32-42')	08/06/24	ERM	<0.005	<0.013	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-19A (10-20')	08/07/24	ERM	<0.005	<0.013	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-19B (32-42')	08/07/24	ERM	<0.005	<0.013	<0.005	<0.125	<0.125	<0.125	<0.125	<0.125	<0.208	<0.146	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	0.009	0.017	<0.0100	<0.128	<0.128	<0.128	<0.128	<0.128	<0.213	<0.149	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS ¹	10/20/03	N/A	3.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	7.3	0.15	0.00062	0.037	0.1	0.043	0.0078	0.0002	0.0048	0.0025	0.0016	0.0025	0.15	0.024	0.0037	0.01	0.18	0.018

1 - LDEQ RECAP Groundwater Screening Standards per Table 1 of LDEQ RECAP document dated October 20, 2003 listed for reference purposes only
2 - EPA Secondary Drinking Water Standard
VPH - Volatile Petroleum Hydrocarbons
EPH - Extractable Petroleum Hydrocarbons
mg/L - milligrams per liter equivalent to parts per million (ppm)
— Not Analyzed
N/A - Not Applicable

Groundwater Analytical Summary (Additional Parameters) - "B-Zone" (Limited Admission Area)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

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Additional Parameters																												
Well Number (Screen Interval)	Date	Sampler	VPH			EPH							PAH															
			C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl- naphthalene	Acenaphthene	Ace- naphthylene	Anthracene	Benz(a)- anthracene	Benzo(a)- pyrene	Benzo(b)- fluoranthene	Benzo(k)- fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3- cd) pyrene	Naphthalene	Phen- anthrene	Pyrene
			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																												
CD-4B (62-67')	03/21/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-5B (65-70')	03/23/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-5C (90-95')	05/09/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS ¹	10/20/03	N/A	3.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	7.3	0.15	0.00062	0.037	0.1	0.043	0.0078	0.0002	0.0048	0.0025	0.0016	0.0025	0.15	0.024	0.0037	0.01	0.18	0.018

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2 - EPA Secondary Drinking Water Standard
VPH - Volatile Petroleum Hydrocarbons
EPH - Extractable Petroleum Hydrocarbons
mg/L - milligrams per liter equivalent to parts per million (ppm)
— Not Analyzed
N/A - Not Applicable

Groundwater Analytical Summary (Additional Parameters) - "B-Zone" (Other Areas)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

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Additional Parameters																												
Well Number (Screen Interval)	Date	Sampler	VPH			EPH							PAH															
			C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl- naphthalene	Acenaphthene	Ace- naphthylene	Anthracene	Benz(a)- anthracene	Benzo(a)- pyrene	Benzo(b)- fluoranthene	Benzo(k)- fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3- cd) pyrene	Naphthalene	Phen- anthrene	Pyrene
			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																												
CD-6B (56-66')	05/12/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-8B (52-62')	05/10/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-9B (58-68')	05/09/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-10D (67-82')	06/21/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-13C (58-68')	06/14/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-16B (63-68')	06/13/24	ERM	0.006	<0.013	<0.005	<0.125	<0.125	<0.125	<0.125	<0.125	<0.208	<0.146	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-17B (62-72')	06/19/24	ERM	<0.005	<0.013	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-18C (52-57')	08/06/24	ERM	<0.005	<0.013	<0.005	<0.122	<0.122	<0.122	<0.122	<0.122	<0.204	<0.143	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-18D (64-74')	08/06/24	ERM	<0.005	<0.013	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CD-19C (52-62')	08/07/24	ERM	<0.005	<0.013	<0.005	<0.120	<0.120	<0.120	<0.120	<0.120	<0.200	<0.140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	0.006	<0.013	<0.0100	<0.125	<0.125	<0.125	<0.125	<0.125	<0.208	<0.146	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS ¹	10/20/03	N/A	3.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	7.3	0.15	0.00062	0.037	0.1	0.043	0.0078	0.0002	0.0048	0.0025	0.0016	0.0025	0.15	0.024	0.0037	0.01	0.18	0.018

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2 - EPA Secondary Drinking Water Standard
VPH - Volatile Petroleum Hydrocarbons
EPH - Extractable Petroleum Hydrocarbons
mg/L - milligrams per liter equivalent to parts per million (ppm)
— Not Analyzed
N/A - Not Applicable

Groundwater Analytical Summary (Additional Parameters) - Transition Zone (Limited Admission Area)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

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Additional Parameters																												
Well Number (Screen Interval)	Date	Sampler	VPH			EPH							PAH															
			C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl- naphthalene	Acenaphthene	Ace- naphthylene	Anthracene	Benz(a)- anthracene	Benzo(a)- pyrene	Benzo(b)- fluoranthene	Benzo(k)- fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3- cd) pyrene	Naphthalene	Phen- anthrene	Pyrene
			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																												
CD-5D (95-110')	06/16/22	ERM	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0100	<0.0100	<0.0100	<0.00100	<0.00100	<0.00200	<0.00400	<0.00300	<0.00800	<0.00900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS ¹	10/20/03	N/A	3.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	7.3	0.15	0.00062	0.037	0.1	0.043	0.0078	0.0002	0.0048	0.0025	0.0016	0.0025	0.15	0.024	0.0037	0.01	0.18	0.018

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2 - EPA Secondary Drinking Water Standard
VPH - Volatile Petroleum Hydrocarbons
EPH - Extractable Petroleum Hydrocarbons
mg/L - milligrams per liter equivalent to parts per million (ppm)
— Not Analyzed
N/A - Not Applicable

Groundwater Analytical Summary (Additional Parameters) - Transition Zone (Other Areas)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

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Additional Parameters																												
Well Number (Screen Interval)	Date	Sampler	VPH			EPH							PAH															
			C6-C8 Aliphatics	C8-C10 Aliphatics	C8-C10 Aromatics	C10-C12 Aliphatics	C10-C12 Aromatics	C12-C16 Aliphatics	C12-C16 Aromatics	C16-C21 Aromatics	C16-C35 Aliphatics	C21-C35 Aromatics	2-Methyl- naphthalene	Acenaphthene	Ace- naphthylene	Anthracene	Benz(a)- anthracene	Benzo(a)- pyrene	Benzo(b)- fluoranthene	Benzo(k)- fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3- cd) pyrene	Naphthalene	Phen- anthrene	Pyrene
			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																												
CD-19D (94-104)	07/30/24	ERM	<0.005	<0.013	<0.005	<0.122	<0.122	<0.122	<0.122	<0.122	<0.204	<0.143	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.005	<0.013	<0.005	<0.122	<0.122	<0.122	<0.122	<0.122	<0.204	<0.143	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS ¹	10/20/03	N/A	3.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	7.3	0.15	0.00062	0.037	0.1	0.043	0.0078	0.0002	0.0048	0.0025	0.0016	0.0025	0.15	0.024	0.0037	0.01	0.18	0.018

1 - LDEQ RECAP Groundwater Screening Standards per Table 1 of LDEQ RECAP document dated October 20, 2003 listed for reference purposes only
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EPH - Extractable Petroleum Hydrocarbons
mg/L - milligrams per liter equivalent to parts per million (ppm)
— Not Analyzed
N/A - Not Applicable

Natural Gas Analytical Summary (Limited Admission Area)																													
Castex Development, LLC v. Anadarko Petroleum Corporation, et al. 31st Judicial District Court, Docket No. C-0502-20 Sections 13 and 39, Township 10 South, Range 03 West Sections 17 and 18, Township 10 South, Range 02 West West Mermentau Oil and Gas Field Jefferson Davis Parish, Louisiana LDENR OC Legacy Project No. 031-027 HET Project No. 1009.A75																													
Table 18 Page 1 of 1																													
Well Name (Depth)	Date	Sampler	Carbon Monoxide	Helium	Hydrogen	Argon	Oxygen	Nitrogen	Carbon Dioxide	Methane	Ethane	Ethylene	Propane	Propylene	Iso-butane	N-butane	Iso-pentane	N-pentane	Hexanes +	δ13C02	δ13C1	δDC1	δ13C2	δDC2	δ13C3	δDC3	δ13nC4	Specific Gravity	BTU
			CO	He	H2	Ar	O2	N2	CO2	C1	C2	C2H4	C3	C3H6	iC4	nC4	iC5	nC5	C6+	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	@ 60deg F	* See Below
			Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	%	%	%	%	%	%	%	%	Calculated	Calculated
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																													
CD-5B (65-70')	5/13/22	HET	ND	ND	ND	0.631	1.97	45.16	2.71	49.49	0.0132	ND	0.0093	ND	0.0107	0.0035	ND	0.0007	0.0034	-17	-51.93	-258.4	—	—	—	—	—	0.783	502
CD-5B (65-70')	5/13/22	ICON	ND	ND	ND	0.623	1.59	44.44	2.70	50.60	0.0134	ND	0.0092	ND	0.0108	0.0036	0.0048	0.0007	0.0031	-17.13	-52.50	-263.7	—	—	—	—	—	0.778	514
Maximum	N/A	N/A	ND	ND	ND	0.631	1.97	45.16	2.71	50.6	0.0134	ND	0.0093	ND	0.0108	0.0036	0.0048	0.0007	0.0034	-17	-51.93	-258.4	—	—	—	—	—	0.783	514

N/A - Not Applicable
— Not Analyzed
* cu.ft dry @ 60deg F & 14.73psia

Natural Gas Analytical Summary (Other Areas)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

Table 19
Page 1 of 1

Well Name (Depth)	Date	Sampler	Carbon Monoxide	Helium	Hydrogen	Argon	Oxygen	Nitrogen	Carbon Dioxide	Methane	Ethane	Ethylene	Propane	Propylene	Iso-butane	N-butane	Iso-pentane	N-pentane	Hexanes +	δ13C02	δ13C1	δDC1	δ13C2	δDC2	δ13C3	δDC3	δ13nC4	Specific Gravity	BTU	
			CO	He	H2	Ar	O2	N2	CO2	C1	C2	C2H4	C3	C3H6	iC4	nC4	iC5	nC5	C6+	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	@ 60deg F	* See Below	
			Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	Chemical Mol. %	%	%	%	%	%	%	%	%	Calculated	Calculated
			Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)																											
CD-6C (75-80')	5/13/22	HET	ND	ND	ND	0.184	3.58	14.68	0.39	75.54	3.09	ND	1.38	ND	0.495	0.313	0.17	0.0723	0.109	-16.26	-45.33	-173.5	-29.86	-147.9	-27.52	-127.70	-26.29	0.687	897	
CD-6C (75-80')	5/13/22	ICON	ND	ND	ND	0.190	3.66	14.77	0.40	75.56	3.05	ND	1.33	ND	0.467	0.284	0.147	0.0602	0.0862	-17.01	-45.32	-177.7	—	—	—	—	—	0.685	891	
Maximum	N/A	N/A	ND	ND	ND	0.19	3.66	14.77	0.4	75.56	3.09	ND	1.38	ND	0.495	0.313	0.17	0.0723	0.109	-16.26	-45.32	-173.5	-29.86	-147.9	-27.52	-127.7	-26.29	0.687	897	

N/A - Not Applicable
— Not Analyzed
* cu.ft dry @ 60deg F & 14.73psia

Geotechnical Analytical Summary Table (Limited Admission Area)

**Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75**

**Table 20
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Sample ID / Depth (feet)	Sample Date	Description	Atterberg Limits			% Passing No. 200 Sieve	Moisture Content (% Weight)	Dry Density (pcf)	Coefficient of Permeability (cm/sec)
			LL	PL	PI				
CD-05R (78-80')	04/21/25	Gray clay (CH), slightly silty	52	21	31	99.7	29.5	98.8	5.53×10^{-8}
DB-01 (58-60')	04/17/25	Gray clay (CH)	70	25	45	99.6	47.4	73.3	6.12×10^{-8}
DB-01 (70-72')	04/17/25	Gray clay (CH)	73	21	52	99.4	38.9	83.5	5.49×10^{-8}

— Not Analyzed

Geotechnical Analytical Summary Table (Other Areas)

**Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
West Mermentau Oil and Gas Field
Jefferson Davis Parish, Louisiana
LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75**

**Table 21
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Sample ID / Depth (feet)	Sample Date	Description	Atterberg Limits			% Passing No. 200 Sieve	Moisture Content (% Weight)	Dry Density (pcf)	Coefficient of Permeability (cm/sec)
			LL	PL	PI				
CD-10R (68-70')	04/23/25	Tan silt (ML), slightly sandy	—	—	—	92.8	—	—	—
CD-10R (43-45')	04/15/25	Gray and tan clay (CH)	60	20	40	99.9	33.6	89.2	4.16 x 10 ⁻⁸
CD-12R (29-30')	04/22/25	Red and gray clay (CH)	75	26	49	99.8	37.7	82.4	3.94 x 10 ⁻⁸
CD-12R (54-56')	04/22/25	Tan silt (ML), slightly sandy	—	—	—	88.5	—	—	—
CD-12R (78-80')	04/22/25	Tan silt (ML) with sand	—	—	—	82.0	—	—	—
CD-18R (48-50')	04/16/25	Tan silt (ML), slightly sandy	—	—	—	87.1	—	—	—
CD-18R (72-74')	04/16/25	Gray clay (CH)	64	19	45	99.7	34.2	87.5	4.97 x 10 ⁻⁸

— Not Analyzed

X-Ray Diffraction Bulk Mineralogy (Limited Admission Area)

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31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
Sections 17 and 18, Township 10 South, Range 02 West
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Jefferson Davis Parish, Louisiana
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HET Project No. 1009.A75**

**Table 22
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Mineralogy Determined by X-Ray Diffraction

Sample Name	Sample Date	Semi Quantitative X-Ray Diffraction (XRD) & Energy Dispersive X-Ray Spectrometry (EDX)													
		Quartz	K-Feldspars	Plagioclase	Calcite	Fe-Dolomite	Pyrite	Halite	Barium Sulfide	Barite	Witherite	Barium Chloride	Baria	Barium Peroxide	Total Clay
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)															
SB-3 (0-2')	4/25/2025	61.5	1.6	5.2	2.0	ND	ND	ND	ND	Tr	ND	ND	ND	ND	29.8
HA-2R (0-2')	4/23/2025	49.9	0.6	3.0	0.6	ND	ND	ND	ND	Tr	ND	ND	ND	ND	45.9

— Not Analyzed

Tr - Trace Amount

ND - None Detected

X-Ray Diffraction Bulk Mineralogy (Other Areas)

Castex Development, LLC v. Anadarko Petroleum Corporation, et al.
31st Judicial District Court, Docket No. C-0502-20
Sections 13 and 39, Township 10 South, Range 03 West
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LDENR OC Legacy Project No. 031-027
HET Project No. 1009.A75

Table 23
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Mineralogy Determined by X-Ray Diffraction															
Sample Name	Sample Date	Semi Quantitative X-Ray Diffraction (XRD) & Energy Dispersive X-Ray Spectrometry (EDX)													
		Quartz	K-Feldspars	Plagioclase	Calcite	Fe-Dolomite	Pyrite	Halite	Barium Sulfide	Barite	Witherite	Barium Chloride	Baria	Barium Peroxide	Total Clay
Samples collected in the vicinity of historical operations by Midwest Oil Corporation (Midwest) and Amoco Production Company (Amoco) as predecessor to BP America Production Company (BP)															
HA-10R (0-2')	4/25/2025	59.7	0.8	2.6	ND	ND	ND	ND	ND	Tr	ND	ND	ND	ND	36.9

— Not Analyzed

Tr - Trace Amount

ND - None Detected