Soil Analytical Summary - 29B Analyses (LDNR Serial No. 239274)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 1

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1 (14-16')	08/10/20	Approach	—	76.2	—	1.46	4.81	10.6	1.69	1.14	12.6	—	7.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.5	—	18
SB-1 (18-20')	08/10/20	Approach	—	109	—	2.02	2.22	**18.1**	1.4	1.03	20	—	5.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.3	—	17
SB-2R (0-2')	04/21/21	HET	—	—	—	<1.0	**17.3**	**13.1**	0.345	0.287	7.35	—	6.6	—	—	<0.010	—	—	49.4	129	—	—	—	—	—	—	—	—	—	35.84	6.21	18.1
SB-2R (0-2')	04/21/21	Approach	—	17.4	—	0.818	10.7	**12.7**	0.228	0.188	5.79	—	11.2	—	41.1	<0.10	2.78	—	106	<500	—	<0.200	8.27	6.13	<0.0141	—	<1.00	<0.500	—	12.9	54.6	6.78	19.2
SB-2 (8-10')	08/10/20	Approach	—	145	—	1.81	**34.2**	**19.0**	1.51	<0.820	16.5	—	13.8	—	—	<0.10	6.52	—	**2390**	17100	—	<0.200	49	18.9	<0.0148	—	<1.00	<0.500	—	61.4	72	8.29	22
SB-2R (8-10')	04/21/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2700	6.90	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10')	04/21/21	Approach	—	254	—	1.95	**20.3**	**18.2**	0.934	0.418	15	—	16.2	—	—	<0.10	5.58	—	261	3770	<0.250	0.226	30.3	6.09	0.0173	—	<1.00	<0.500	—	46.5	78.7	8.38	26.2
B-1 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.3	—	—	—	—	—	—	—	—	—	—	—	—	—	13.9
B-1 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.4	—	—	—	—	—	—	—	—	—	—	—	—	—	14.5
B-2 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.6	—	—	—	—	—	—	—	—	—	—	—	—	—	14.4
B-3 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-1 (0-2')	07/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.90	—	—	<100	—	<0.50	7.5	5.2	<0.080	—	<1.0	<1.0	—	5.7	—	—	—
HET MW-1 (0-2')	07/20/21	Approach	—	—	—	0.0570	0.505	0.300	<0.250	<0.410	0.3	—	9.83	—	—	—	3.28	—	34.3	<500	—	<0.200	10.6	9.32	0.0259	—	<1.00	<0.500	—	9.43	47.8	6.73	14.8
HET MW-1 (6-8')	07/20/21	HET	—	—	—	<1.0	**31.0**	5.88	12.0	19.3	23.2	—	11.6	—	—	—	4.40	—	—	291	—	<0.49	9.7	7.1	<0.074	—	<0.98	<0.98	—	17.7	69.27	**5.45**	17.6
HET MW-1 (6-8')	07/20/21	Approach	—	—	—	2.00	**17.7**	**15.5**	<0.500	<0.820	15.5	—	16.2	—	—	—	1.43	—	17.7	<500	—	<0.200	4.69	4.46	<0.0155	—	<1.00	<0.500	—	18.8	102	**5.27**	16.6
HET MW-1 (10-12')	07/20/21	HET	—	—	—	<1.0	**30.5**	6.28	14.7	20.1	26.0	—	10.5	—	—	—	1.20	—	—	172	—	<0.49	5.7	3.8	<0.069	—	<0.98	<0.98	—	10.4	38.2	6.69	18
HET MW-1 (10-12')	07/20/21	Approach	—	—	—	2.54	**19.2**	**24.2**	1.09	<0.820	17.9	—	11.4	—	—	—	<1.00	—	55	<500	—	<0.200	3.7	2.93	<0.0144	—	<1.00	<0.500	—	8.44	55.2	6.38	16.5
HET MW-1 (22-24')	07/20/21	HET	—	—	—	<1.0	4.09	1.27	21.4	16.6	5.52	—	13.7	—	—	—	7.10	—	—	184	—	<0.50	11.1	39	<0.080	—	<1.0	<1.0	—	24.3	37.71	7.16	24.5
HET MW-1 (22-24')	07/20/21	Approach	—	—	—	0.341	3.88	2.34	<0.500	<0.820	2.34	—	17	—	—	—	1.45	—	49.5	<500	—	<0.200	10.1	6.72	0.0388	—	<1.00	<0.500	—	19.6	55.9	7.03	23.8
MW-1 (26-30')	09/09/20	Approach	—	24.5	—	0.871	1.57	7.52	—	—	—	—	16.3	—	—	—	6.53	—	54.6	<500	—	0.442	11	7.94	0.0522	—	<1.00	1.28	—	45.9	60.3	7.70	22
HET MW-2 (13-15')	07/21/21	HET	—	—	—	<1.0	**15.5**	2.47	39.0	29.6	14.4	—	8.4	—	—	—	<1.0	—	—	<100	—	<0.50	3.4	2.6	<0.077	—	<1.0	<1.0	—	8.9	41.84	7.75	15.2
HET MW-2 (13-15')	07/21/21	Approach	—	—	—	0.246	9.62	1.59	<0.500	<0.820	1.59	—	10.1	—	—	—	2.27	—	25.4	<500	—	<0.200	2.49	4.11	0.056	—	<1.00	<0.500	—	12.5	55.4	6.77	13.1
HET MW-2 (14-16')	07/21/21	Approach	—	—	—	0.315	9.24	2.07	<0.500	<0.820	2.07	—	8.48	—	—	—	<1.00	—	21.7	<500	—	<0.200	2.85	3.18	<0.0157	—	<1.00	<0.500	—	8.28	48	6.51	15.8
HET MW-2 (24-26')	07/21/21	HET	—	—	—	<1.0	3.06	1.98	1.74	1.21	2.40	—	10.8	—	—	—	2.00	—	—	<100	—	<0.50	4.9	3.0	<0.069	—	<1.0	<1.0	—	42.5	41.63	7.14	27.9
HET MW-2 (24-26')	07/21/21	Approach	—	—	—	0.369	1.40	1.94	0.798	0.564	1.6	—	7.7	—	—	—	3.00	—	25.7	<500	—	<0.200	7.54	5.49	0.0254	—	<1.00	<0.500	—	50.5	47.2	6.62	25.5

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DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 1

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
HET MW-3 (0-2')	07/21/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	—	—	<100	—	<0.45	4.00	5.2	<0.074	—	<0.91	<0.91	—	6.5	—	—	—
HET MW-3 (0-2')	07/21/21	Approach	—	—	—	0.216	0.241	1.36	<0.500	<0.820	1.36	—	11	—	—	—	1.19	—	20.8	<500	—	<0.200	4.3	3.91	0.0275	—	<1.00	<0.500	—	4.4	40.8	6.57	13
HET MW-3 (6-8')	07/21/21	HET	—	—	—	<1.0	**39.1**	6.05	3.46	5.08	12.4	—	9.4	—	—	—	1.30	—	—	158	—	<0.50	5.8	4.9	<0.074	—	<1.0	<1.0	—	11.7	49.7	**4.90**	15.1
HET MW-3 (6-8')	07/21/21	Approach	—	—	—	2.02	**19.4**	**15.3**	<0.500	<0.820	15.3	—	13.4	—	—	—	<1.00	—	109	558	—	<0.200	4.04	3.94	<0.0143	—	<1.00	<0.500	—	8.95	83.1	**5.78**	13.9
HET MW-3 (10-12')	07/21/21	HET	—	—	—	<1.0	**42.9**	4.01	13.4	16.2	15.3	—	9.7	—	—	—	1.50	—	—	<100	—	<0.48	6.3	3.3	<0.069	—	<0.96	<0.96	—	14.4	48.41	6.24	15
HET MW-3 (10-12')	07/21/21	Approach	—	—	—	0.271	**20.8**	1.72	<0.500	<0.820	1.72	—	15.8	—	—	—	1.61	—	36.1	<500	—	<0.200	4.5	3.01	<0.0152	—	<1.00	<0.500	—	13.9	85.5	6.50	15.8
HET MW-3 (16-18')	07/21/21	HET	—	—	—	<1.0	9.88	1.20	47.6	30.6	7.48	—	8.4	—	—	—	8.10	—	—	<100	—	<0.47	9.5	4.3	0.076	—	<0.94	<0.94	—	26.3	49.05	6.54	23.8
HET MW-3 (16-18')	07/21/21	Approach	—	—	—	0.152	5.18	0.893	<0.500	<0.820	0.893	—	18.6	—	—	—	3.19	—	58.2	<500	—	<0.200	8.7	7.05	0.0296	—	<1.00	<0.500	—	12.1	74.9	6.73	19.9
HET MW-3 (18-20')	07/21/21	HET	—	—	—	<1.0	6.45	1.24	79.5	43.9	9.74	—	10.7	—	—	—	9.20	—	—	<100	—	0.82	8.3	5.4	<0.074	—	1.4	<0.98	—	51.6	42.45	6.77	21
HET MW-3 (18-20')	07/21/21	Approach	—	—	—	0.175	4.02	1.27	<0.500	<0.820	1.27	—	17.5	—	—	—	5.82	—	73.2	<500	—	2.41	9.13	6.26	0.0357	—	<1.00	<0.500	—	64.3	48.4	7.38	22
Maximum	N/A	N/A	—	254	—	2.54	**42.9**	**24.2**	79.5	43.9	26.0	—	18.6	—	41.1	<0.10	9.20	—	**2390**	17100	6.90	2.41	49.0	39.0	0.0760	—	1.4	1.28	—	64.3	102	8.38	27.9
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSN}$ 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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

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Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
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DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 2

Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH							PAH															
			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	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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
SB-2R (0-2')	04/21/21	Approach	—	<3.33	5.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/10/20	Approach	—	4.17	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10')	04/21/21	Approach	—	<3.33	6.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-1 (0-2')	07/20/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-1 (22-24')	07/20/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-2 (13-15')	07/21/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-2 (14-16')	07/21/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-2 (24-26')	07/21/21	HET	—	—	—	<3.8	<3.0	<3.5	<3.2	<3.6	<7.9	<8.5	<5.2	<5.0	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-3 (0-2')	07/21/21	HET	—	—	—	<3.9	<3.1	<3.5	<3.2	<3.6	<8.1	<8.8	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-3 (18-20')	07/21/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<7.9	<8.6	<5.2	<5.0	4.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	—	4.17	10.6	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	4.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSni}$ and $Soil_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards ($Soil_{ni\ only}$) 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 - 29B Analyses (LDNR Serial No. 239592)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 3

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1 (10-12')	08/11/20	Approach	—	5.51	—	1.69	1.48	2.41	7.66	4.9	6.05	—	24.8	—	—	<0.10	**12.1**	—	267	930	—	<0.200	15.2	6.41	<0.0157	—	2.11	<0.500	—	49.7	69.9	7.39	23.1
SB-1R (10-12')	04/20/21	Approach	—	<4.00	—	0.259	6.58	7.51	0.111	<0.164	1.77	—	23.4	—	—	—	2.65	—	18.8	<500	—	<0.200	6.14	6.56	0.0466	—	<1.00	<0.500	—	12.4	67.3	6.51	20.8
SB-1R (10-12')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/11/20	Approach	—	6.86	—	0.201	6.41	1.87	<0.500	<0.820	1.87	—	21.4	—	—	<0.10	<2.00	—	**733**	<500	—	<0.200	7.17	5.91	<0.0144	—	<1.00	<0.500	—	6.58	62.8	6.72	26.3
SB-2R (8-10')	04/20/21	Approach	—	<4.00	—	0.767	4.05	6.18	1.5	<0.410	5.35	—	11.7	—	—	—	4.85	—	**1230**	3490	—	<0.200	14	7.65	<0.0144	—	<1.00	<0.500	—	12.7	43.1	8.37	22.3
SB-2R (8-10')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	756	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	389	—	0.0863	—	—	—	—	—	—	—	—	—	—	—	24.3
SB-2R (8-10')	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	345	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (14-16')	08/11/20	Approach	—	110	—	0.727	3.28	11.5	0.489	<0.820	5.69	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70.9	—	24.8
SB-3 (6-8')	08/12/20	Approach	—	9.72	—	0.426	0.994	1.48	2.08	<0.820	1.51	—	14.4	—	—	<0.10	7.15	—	330	<500	—	<0.200	9.6	6.26	0.0185	—	2.71	<0.500	—	17.6	46.9	7.45	21.9
SB-3 (14-16')	08/12/20	Approach	—	7.55	—	0.677	1.09	2.60	2.99	0.981	3.67	—	23.5	—	—	<0.10	2.08	—	65.6	<500	—	<0.200	8.24	10.5	0.376	—	<1.00	<0.500	—	17.7	66.9	7.20	25.4
B-1 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	132	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8
B-1 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	380	—	—	—	—	—	—	—	—	—	—	—	—	—	20.3
B-2 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	236	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1 (23-28')	09/09/20	Approach	—	7.07	—	0.520	1.96	4.43	—	—	—	—	17.2	—	—	—	3.85	—	78.3	<500	—	<0.200	11.5	6.85	0.0193	—	<1.00	<0.500	—	60	58.9	7.53	23.5
MW-2 (5-10')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.40	—	50.2	<500	—	<0.100	4.99	5.71	<0.0153	—	0.628	<0.250	—	5.13	—	—	—
MW-2 (5-10')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.10	—	48.3	<100	—	<0.50	4.2	6.4	<0.071	—	<1.0	<1.0	—	6.8	—	—	15.4
MW-2 (10-12')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.44	—	73.2	<500	—	<0.100	7.4	9.16	0.117	—	<0.500	<0.250	—	11.4	—	—	—
MW-2 (10-12')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10	—	52.7	363	—	<0.50	5.9	8	<0.080	—	<1.0	<1.0	—	12.8	—	—	29
MW-2 (14-16')	10/26/21	Approach	—	—	—	0.255	2.00	4.07	0.279	<0.410	1.52	—	27.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69.7	—	—
MW-2 (14-16')	10/26/21	HET	—	—	—	0.263	5.02	1.45	20.9	16.9	6.26	—	25.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.02	—	24.2
MW-3 (8-10')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.56	—	84.7	803	—	0.726	15.6	12.8	<0.0144	—	2.5	<0.250	—	68.6	—	—	—
MW-3 (8-10')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**14.5**	—	235	2580	—	<0.50	33.4	9.3	<0.067	—	1.9	<1.0	—	29.6	—	—	16
MW-3R (8-10')	02/06/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (10-12')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.95	—	26.4	<500	—	<0.100	9.82	7.22	<0.0151	—	0.722	<02.50	—	40.8	—	—	—
MW-3 (10-12')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	—	33.8	<100	—	<0.47	7.9	4.3	<0.069	—	<0.94	<0.94	—	33.6	—	—	21.4
MW-3 (12-14')	10/27/21	Approach	—	—	—	0.427	3.05	2.41	<0.250	<0.410	2.41	—	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.5	—	—
MW-3 (12-14')	10/27/21	HET	—	—	—	0.416	4.21	4.12	0.421	0.555	2.86	—	17.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.48	—	21
Maximum	N/A	N/A	—	110	—	1.69	6.58	11.5	20.9	16.9	6.26	—	27.8	—	—	<0.10	**14.5**	—	**1230**	3490	—	0.726	33.4	12.8	0.376	—	2.71	<1.0	—	68.6	70.9	8.37	29
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 239592)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 4

Sample ID / Depth (feet)	Sample Date	Sampler	BTEX				VOC [3]	TPH			VPH			EPH							PAH															
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	Acetone	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
			8260B	8260B	8260B	8260B	8260B	8015B	8015B	8015B	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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
SB-1 (10-12')	08/11/20	Approach	—	—	—	—	—	—	4.93	4.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/11/20	Approach	—	—	—	—	—	—	33.3	<33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3 (6-8')	08/12/20	Approach	<0.0020	<0.0040	0.0024	<0.0020	0.0537	—	<3.33	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3 (14-16')	08/12/20	Approach	—	—	—	—	—	—	<3.33	5.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (10-12')	10/26/21	Approach	—	—	—	—	—	—	4.01	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (10-12')	10/26/21	HET	—	—	—	—	—	—	—	—	<3.9	5.18	<3.5	12	<3.6	48.1	<8.6	<5.2	54.6	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0020	<0.0040	0.0024	<0.0020	0.0537	—	33.3	11.5	<3.9	5.18	<3.5	12	<3.6	48.1	<8.6	<5.2	54.6	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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 - RECAP Non-Industrial Screening Standards (lowest of Soil $_{SSni}$ and Soil$_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soil $_{ni\ only}$) per Table 2 of RECAP listed for comparison purposes only
3 - Remaining VOC compounds not listed in the table are below laboratory standards
BTEX - Benzene, Toluene, Ethylbenzene, and Xylene
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 - 29B Analyses (LDNR Serial No. 240035)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 5

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1R (0-2')	04/21/21	Approach	—	<4.00	—	0.276	0.104	0.246	1.52	0.498	0.248	—	12.8	—	<10.0	<0.10	3.36	—	129	<500	—	<0.200	6.93	7.57	<0.0156	—	<1.00	<0.500	—	8.61	83	8.26	18.1
SB-1R (0-2')	04/21/21	HET	—	—	—	<1.0	<0.10	0.00	1.12	0.250	<0.435	—	7.1	—	—	<0.010	—	—	429	164	—	—	—	—	—	—	—	—	—	—	36.89	8.14	20
SB-1 (8-10')	08/10/20	Approach	—	<4.00	—	0.692	2.05	5.59	2.02	<0.820	5.62	—	13.6	—	—	<0.10	2.98	—	**2380**	5200	—	<0.200	12	6.91	<0.0147	—	<1.00	<0.500	—	10.6	57.8	7.96	17.6
SB-1R (8-10')	04/21/21	Approach	—	<4.00	—	0.864	3.13	4.28	1.82	0.839	4.94	—	14.6	—	—	<0.10	4.15	—	**1650**	<500	0.43	<0.200	13.3	6.19	0.0239	—	<1.00	<0.500	—	11.1	70.1	8.58	18.3
SB-1R (8-10')	04/21/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	376	<1.0	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (14-16')	08/10/20	Approach	—	31.4	—	0.270	5.54	2.35	<0.500	<0.820	2.35	—	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.3	—	21.3
SB-2 (4-6')	08/11/20	Approach	—	<4.00	—	0.552	3.01	8.64	0.764	<0.820	5.34	—	13.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.6	—	23.1
SB-2R (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**872**	—	—	—	—	—	—	—	—	—	—	—	—	—	22.7
SB-2R (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (10-12')	08/11/20	Approach	—	26.2	—	0.733	2.50	5.81	2.24	<0.820	6.15	—	12.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67.5	—	18.7
SB-3R (0-2')	04/21/21	Approach	—	14.3	—	0.733	0.975	1.75	2.09	<0.820	1.79	—	13.2	—	—	<0.10	4.84	—	**614**	941	—	<0.200	10.5	6.61	0.0289	—	<1.00	<0.500	—	17.4	57.1	8.28	18.4
SB-3R (0-2')	04/21/21	HET	—	—	—	<1.0	5.14	2.08	1.83	0.42	2.20	—	7.8	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	36.1	8.09	18.2
SB-3 (2-4')	08/11/20	Approach	—	503	—	2.36	4.73	**12.2**	3.93	1.47	20	—	13.1	—	—	<0.10	4.26	—	220	<500	—	<0.200	9.79	6.17	<0.0151	—	<1.00	<0.500	—	16.5	59	**3.82**	28.7
SB-3R (2-4')	04/21/21	Approach	—	117	—	1.43	5.11	8.90	2.13	<0.820	9.18	—	10.5	—	—	—	3.21	—	158	534	—	<0.200	9.89	8.08	0.019	—	<1.00	<0.500	—	19.7	62.5	8.36	18.2
SB-3 (4-6')	08/11/20	Approach	—	315	—	1.65	3.20	5.00	6.38	1.11	9.67	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.4	—	20.7
B-1 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.9	—	—	—	—	—	—	—	—	—	—	—	—	—	16
B-1 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-1 (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**888**	—	—	—	—	—	—	—	—	—	—	—	—	—	20.2
B-1 (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.2	—	—	—	—	—	—	—	—	—	—	—	—	—	15.9
B-2 (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	111	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.1	—	—	—	—	—	—	—	—	—	—	—	—	—	15
B-3 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	90.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	13
B-3 (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-4 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.8	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3
B-4 (0-2) Field Duplicate 2	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.5	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1
B-4 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1R (6-8)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3
MW-1R (6-8)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1R (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	—	—	—	—	—	—	—	—	—	—	—	—	14.8
MW-1R (8-10) Field Duplicate	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9
MW-1R (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1R (10-12)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	146	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8
MW-1R (10-12)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	360	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1 (8-12')	09/09/20	Approach	—	12.9	—	0.29	6.23	10.4	—	—	—	—	16.3	—	—	—	2.79	—	**863**	738	—	<0.200	6.29	4.78	<0.0154	—	<1.00	<0.500	—	8.42	61.5	**5.58**	12.6
MW-1R (12-14)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	234	—	—	—	—	—	—	—	—	—	—	—	—	—	18.4
MW-1R (12-14)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 5

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
MW-2 (0-2')	10/25/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.87	—	60.2	<500	—	<0.100	16	13.2	0.0142	—	<0.500	<0.250	—	19.2	—	—	—
MW-2 (0-2')	10/25/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	—	62.7	120	—	<0.50	9.0	7.1	<0.077	—	<1.0	<1.0	—	22.4	—	—	13.8
MW-2 (2-4')	10/25/21	Approach	—	—	—	0.261	2.78	3.00	0.613	<0.410	1.66	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45	**4.59**	—
MW-2 (2-4')	10/25/21	HET	—	—	—	0.0969	3.68	0.764	8.90	9.75	2.32	—	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.59	**4.95**	16.4
MW-2 (8-10')	10/25/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.4	—	37.5	<500	—	<0.100	5.69	6.15	<0.0145	—	<0.500	<0.250	—	5.56	35.9	6.94	—
MW-2 (8-10')	10/25/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5	—	34	<100	—	<0.50	4.5	6.00	<0.069	—	<1.0	<1.0	—	6.5	—	—	17.1
MW-2 (14-16')	10/25/21	Approach	—	—	—	0.596	—	4.70	0.532	0.589	3.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.6	—	—
MW-2 (14-16')	10/25/21	HET	—	—	—	0.13	-0.298	0.286	7.50	8.13	0.796	—	8.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.15	—	22.5
MW-3 (0-2')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.11	—	48.2	<500	—	<0.100	8.38	6.84	<0.0141	—	<0.500	<0.250	—	19	—	—	—
MW-3 (0-2')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	—	95.8	<100	—	<0.50	9.4	6.9	<0.071	—	<1.0	<1.0	—	25.8	—	—	14.3
MW-3 (2-4')	10/26/21	Approach	—	—	—	0.606	2.4	4.24	1.23	0.494	3.94	—	12.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.1	7.89	—
MW-3 (2-4')	10/26/21	HET	—	—	—	0.281	5.07	2.39	1.18	0.406	2.12	—	14.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.97	8.02	14.2
MW-3 (8-10')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	—	27.7	<500	—	<0.100	6.74	3.86	<0.0155	—	<0.500	<0.250	—	7.49	44.1	**4.94**	—
MW-3 (8-10')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6	—	52.9	<100	—	<0.48	8.3	3.6	<0.077	—	<0.96	<0.96	—	6.4	—	**4.74**	14.1
MW-3 (22-24')	10/26/21	Approach	—	—	—	0.138	6.29	0.782	<0.250	<0.410	0.782	—	23.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.9	—	—
MW-3 (22-24')	10/26/21	HET	—	—	—	0.336	12	1.38	45.5	51.6	9.57	—	12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47.22	—	19.1
Maximum	N/A	N/A	—	503	—	2.36	12	**12.2**	45.5	51.6	20.0	—	23.3	—	<10.0	<0.10	6.87	—	**2380**	5200	0.43	<0.50	16	13.2	0.0289	—	<1.0	<1.0	—	25.8	94.9	8.58	28.7
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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

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HET Project No. 8070.00

Table 6

Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH							PAH															
			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	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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
SB-1R (0-2')	04/21/21	Approach	—	<3.33	3.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (8-10')	08/10/20	Approach	—	**83.8**	<33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (8-10')	04/21/21	Approach	—	**295**	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1RR (8-10')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1RR (8-10')	07/22/21	Approach	<9.17	**178**	77.6	—	—	—	<2.00	2.37	9.81	4.61	<2.00	12.3	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3R (0-2')	04/21/21	Approach	—	<3.33	6.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3 (2-4')	08/11/20	Approach	—	**106**	<33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3R (2-4')	04/21/21	Approach	—	**85.2**	<33.3	<2.50	<4.99	<3.33	3.83	1.96	66.6	5.81	3.35	219	3.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3R (2-4')	04/21/21	HET	—	—	—	<4.0	14	<3.6	41.5	<3.7	300	<8.9	7.87	173	1.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (2-4')	10/25/21	Approach	—	9.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (2-4')	10/25/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (8-10')	10/25/21	Approach	—	30.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (8-10')	10/25/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<7.9	<8.6	<5.2	<5.0	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (2-4')	10/26/21	Approach	—	**70.9**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (2-4')	10/26/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/26/21	Approach	—	<3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/26/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<9.17	**295**	77.6	<4.0	14	<3.6	41.5	2.37	300	5.81	7.87	219	3.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSni}$ and $Soil_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards ($Soil_{ni\ only}$) 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

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HET Project No. 8070.00

Table 7

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1R (0-2')	04/20/21	Approach	—	<4.00	—	0.424	0.228	0.404	3.3	0.539	0.56	—	8.3	—	—	<0.10	2.17	—	**601**	<500	—	<0.200	7.01	5.46	<0.0147	—	<1.00	<0.500	—	5.99	39.4	8.09	19.4
SB-1R (0-2')	04/20/21	HET	—	—	—	<1.0	<0.10	0.172	4.86	0.561	<0.435	—	6.9	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.61	7.98	15.4
SB-1 (4-6')	08/12/20	Approach	—	82	—	**5.20**	4.49	11.2	28.2	<0.820	42	—	15.7	—	—	<0.10	2.03	—	68.5	9750	—	<0.200	5.58	4.9	<0.0139	—	<1.00	<0.500	—	4.25	77.5	8.09	35.3
SB-1 (6-8')	08/12/20	Approach	—	101	—	**5.92**	8.77	**13.6**	24.1	1.32	48.6	—	13	—	—	<0.10	3.82	—	**915**	12600	—	<0.200	10.2	6.13	0.0151	—	<1.00	<0.500	—	6.08	64.6	7.76	26.7
SB-1R (6-8')	04/20/21	Approach	—	<8.00	0.458	3.12	**19.1**	**33.6**	1.52	<0.820	29.3	78.2	15.1	—	—	<0.10	5.67	—	145	568	—	0.212	14.6	7.17	<0.0138	—	<1.00	<0.500	—	28.4	42.8	8.35	21
SB-1R (6-8')	04/20/21	HET	—	—	<0.70	—	—	—	—	—	—	99.1	—	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.4
SB-1R (8-10')	04/20/21	Approach	—	17.1	—	2.36	**52.4**	**54.1**	0.337	<0.164	22.2	—	14	—	—	<0.10	2.51	—	188	535	—	<0.200	9.41	5.93	0.0264	—	<1.00	<0.500	—	30.5	104	**9.29**	28.1
SB-1R (8-10')	04/20/21	HET	—	—	—	<1.0	—	—	—	—	—	—	—	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**9.38**	33.4
SB-1 (12-14')	08/12/20	Approach	—	41.2	—	1.70	4.92	10.2	2.37	2.31	15.6	—	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.6	—	24.6
SB-1R (12-14')	04/20/21	Approach	—	10.1	—	1.33	3.59	5.34	2.03	2.59	8.11	—	9.65	—	—	<0.10	1.16	—	32.6	<500	—	—	—	—	—	—	<1.00	<0.500	—	6.93	55.9	7.69	19.5
SB-1R (12-14')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9
SB-2R (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	229	—	—	—	—	—	—	—	—	—	—	—	—	—	12.1
SB-2R (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	125	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (6-8)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.9	—	—	—	—	—	—	—	—	—	—	—	—	—	15.4
SB-2R (6-8)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/12/20	Approach	—	39.9	—	2.59	**17.8**	**29.3**	1.69	<0.820	26.9	—	14.3	—	—	<0.10	3.46	—	**1060**	5670	—	<0.200	10.2	8.74	<0.0141	—	<1.00	<0.500	—	8.41	75.4	8.09	57.7
SB-2R (8-10')	04/20/21	Approach	—	37.1	—	1.42	10.6	**14.2**	1.31	<0.820	11.5	—	11.6	—	—	—	2.84	—	**1920**	3020	—	<0.200	14.2	6.55	0.0418	—	<1.00	<0.500	—	20.3	54	8.54	26.5
SB-2R (8-10')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2130	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**668**	—	—	—	—	—	—	—	—	—	—	—	—	—	16.8
SB-2R (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (10-12')	08/12/20	Approach	—	39	—	2.83	10.6	**37.6**	1.58	<0.820	33.4	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.6	—	29.3
SB-2R (10-12)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.7	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6
SB-2R (10-12)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-1 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	37	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9
B-1 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	—	—	—	—	—	—	—	—	—	—	—	—	—	16.8
B-2 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	35.7	—	—	—	—	—	—	—	—	—	—	—	—	—	18.3
B-3 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1 (16-20')	09/08/20	Approach	—	10	—	0.384	5.40	6.26	—	—	—	—	20.7	—	—	—	3.47	—	104	—	—	<0.200	14.1	8.39	0.0437	—	<1.00	<0.500	—	33.7	65.5	8.11	—
MW-2 (0-2')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.94	—	404	<500	—	<0.100	7.22	5.59	<0.0150	—	<0.500	<0.250	—	7.76	—	—	—
MW-2 (0-2')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.9	—	**628**	811	—	<0.48	7.2	6	<0.069	—	<0.96	<0.96	—	8.3	—	—	13.5
MW-2 (4-6')	10/27/21	Approach	—	—	—	0.376	1.7	3.33	0.652	<0.410	1.90	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70.3	—	—
MW-2 (4-6')	10/27/21	HET	—	—	—	0.354	5.94	4.35	0.431	0.261	2.55	—	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.22	**5.64**	13.7
MW-2 (6-8')	10/27/21	Approach	—	—	—	0.376	2.8	6.65	0.276	<0.410	2.47	—	10.7	—	—	—	1.62	—	29.6	<500	—	<0.100	9.89	5.73	<0.0157	—	<0.500	<0.250	—	9.23	66.5	—	—
MW-2 (6-8')	10/27/21	HET	—	—	—	0.375	6.2	4.38	0.410	0.350	2.69	—	12.1	—	—	—	2.4	—	51.6	<100	—	<0.50	9.2	5.2	<0.077	—	<1.0	<1.0	—	9.9	39.21	—	14.9
MW-2 (8-10')	10/27/21	Approach	—	—	—	0.226	4.92	1.7	<0.250	<0.410	1.7	—	5.57	—	—	—	1.3	—	13.4	<500	—	<0.100	2.68	3.6	<0.0139	—	<0.500	<0.250	—	3.65	44.2	**5.61**	—
MW-2 (8-10')	10/27/21	HET	—	—	—	0.279	6.57	N/A	<0.10	<0.167	2.52	—	10.3	—	—	—	2.2	—	69.3	<100	—	<0.49	7.4	4.7	<0.071	—	<0.98	<0.98	—	7.1	32.76	**4.72**	16.9
MW-2 (10-12')	10/27/21	Approach	—	—	—	0.384	2.66	7.13	0.25	<0.410	2.52	—	9.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	—	—
MW-2 (10-12')	10/27/21	HET	—	—	—	0.337	9.13	5.38	0.343	0.183	2.75	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.95	—	14.5
MW-2 (16-18')	10/27/21	Approach	—	—	—	0.098	4.41	0.535	<0.100	<0.164	0.535	—	10.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58.3	—	—
MW-2 (16-18')	10/27/21	HET	—	—	—	0.494	5.6	0.733	12.6	13.8	2.65	—	10.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.25	—	25.2

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Table 7

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
MW-3 (0-2')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	—	31.7	<500	—	<0.100	9.88	5.17	0.0164	—	<0.500	<0.250	—	6.3	—	—	—
MW-3 (0-2')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	—	41.5	200	—	<0.50	11.5	6.6	<0.077	—	<1.0	<1.0	—	8.2	—	—	13.4
MW-3 (4-6')	10/28/21	Approach	—	—	—	0.175	0.62	0.882	0.796	<0.410	0.557	—	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53.7	—	—
MW-3 (4-6')	10/28/21	HET	—	—	—	<1.0	0.777	4.53	0.130	<0.167	1.62	—	22.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.68	—	15.9
MW-3 (6-8')	10/28/21	Approach	—	—	—	0.163	1.54	2.41	0.403	<0.410	1.08	—	12	—	—	—	2.79	—	38.2	<500	—	<0.100	11.4	6.07	<0.0156	—	<0.500	<0.250	—	7.42	57.2	—	—
MW-3 (6-8')	10/28/21	HET	—	—	—	<1.0	1.65	2.57	0.217	0.248	1.23	—	21.2	—	—	—	3.1	—	38.9	283	—	<0.50	12.5	7.5	<0.080	—	<1.0	<1.0	—	8.8	41.63	—	15.2
MW-3 (8-10')	10/28/21	Approach	—	—	—	0.154	1.97	0.943	<0.250	<0.410	0.943	—	9	—	—	—	1.25	—	35.7	<500	—	<0.100	5.72	4.68	0.0193	—	<0.500	<0.250	—	6.41	39.8	**4.96**	—
MW-3 (8-10')	10/28/21	HET	—	—	—	<1.0	2.82	7.41	<0.10	<0.167	1.02	—	17.4	—	—	—	2.3	—	43.5	340	—	<0.50	9.5	6.9	<0.077	—	<1.0	<1.0	—	8.1	38.11	**4.75**	12.8
MW-3 (10-12')	10/28/21	Approach	—	—	—	0.533	12.9	4.06	<0.250	<0.410	4.06	—	6.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	—	—
MW-3 (10-12')	10/28/21	HET	—	—	—	<1.0	10.8	4.72	5.25	8.58	12.3	—	15.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	12.3
MW-3 (14-16')	10/28/21	Approach	—	—	—	0.535	**67**	11.2	0.263	<0.410	4.07	—	8.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.5	—	—
MW-3 (14-16')	10/28/21	HET	—	—	—	<1.0	5.12	6.46	16.1	24.8	29.0	—	37.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.46	—	12.4
Maximum	N/A	N/A	—	101	0.458	**5.92**	**67**	**54.1**	28.2	24.8	48.6	99.1	37.1	—	—	<0.10	5.67	—	**1920**	12600	—	0.212	14.6	8.74	0.0437	—	<1.00	<1.0	—	33.7	104	**9.38**	57.7
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 240037)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 8

Sample ID / Depth (feet)	Sample Date	Sampler	BTEX				VOC [3]	TPH			VPH			EPH							PAH													
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	Acetone	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
			8260B	8260B	8260B	8260B	8260B	8015B	8015B	8015B	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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
SB-1 (4-6')	08/12/20	Approach	—	—	—	—	—	—	<3.33	7.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (6-8')	08/12/20	Approach	—	—	—	—	—	—	**203**	68.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (6-8')	04/20/21	Approach	—	—	—	—	—	—	32	6.64	<2.39	<4.78	<3.18	2.24	1.71	11.2	4.2	2.86	18.1	2.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (6-8')	04/20/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	7.47	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (8-10')	04/20/21	Approach	—	—	—	—	—	—	34.3	3.76	<2.86	<5.71	<3.81	2.49	2.49	11.5	5.46	3.31	23	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (8-10')	04/20/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	5.97	3.85	44.4	16.9	23.2	90.2	3.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (12-14')	04/20/21	Approach	—	—	—	—	—	—	—	—	<2.53	<5.06	<3.37	<2.00	<1.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (12-14')	04/20/21	HET	—	—	—	—	—	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/12/20	Approach	<0.0020	<0.0040	<0.0020	<0.0020	0.0962	31.7	45.3	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10')	04/20/21	Approach	—	—	—	—	—	—	**280**	172	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2RR (8-10')	07/22/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.1	<3.5	<3.3	<3.6	<8.1	<8.8	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2RR (8-10')	07/22/21	Approach	—	—	—	—	—	10.9	**138**	53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (4-6')	10/27/21	Approach	—	—	—	—	—	—	4.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (4-6')	10/27/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (6-8')	10/27/21	Approach	—	—	—	—	—	—	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (6-8')	10/27/21	HET	—	—	—	—	—	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (6-8')	10/28/21	Approach	—	—	—	—	—	—	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (6-8')	10/28/21	HET	—	—	—	—	—	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	5.65	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/28/21	Approach	—	—	—	—	—	—	5.29	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/28/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (10-12')	10/28/21	Approach	—	—	—	—	—	—	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (10-12')	10/28/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<7.9	<8.6	<5.2	<5.0	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0020	<0.0040	<0.0020	<0.0020	0.0962	31.7	**280**	172	<4.0	<5.71	<3.81	5.97	3.85	44.4	16.9	23.2	90.2	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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 - RECAP Non-Industrial Screening Standards (lowest of Soil $_{SSni}$ and Soil$_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soil $_{ni\ only}$) per Table 2 of RECAP listed for comparison purposes only
3 - Remaining VOC compounds not listed in the table are below laboratory standards
BTEX - Benzene, Toluene, Ethylbenzene, and Xylene
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 - 29B Analyses (LDNR Serial No. 240833)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 9

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1 (2-4')	09/14/20	Approach	—	15.1	—	0.306	1.57	5.53	—	—	—	—	15.9	—	—	—	4.82	—	79.8	<500	—	<0.200	18.9	8.54	0.0211	—	<1.00	<0.500	—	22.2	50.5	**5.98**	20.2
SB-1 (4-6')	09/14/20	Approach	—	21.1	—	0.262	1.93	7.92	—	—	—	—	13.7	—	—	—	2.74	—	69.4	<500	—	<0.200	13.8	8.35	0.0173	—	<1.00	<0.500	—	15.1	53.9	**4.21**	19.7
SB-2 (2-4')	09/14/20	Approach	—	35.7	—	3.61	2.80	3.46	—	—	—	—	19.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	7.48	17.7
SB-2 (12-14')	09/18/20	Approach	—	100	—	2.01	6.60	8.76	—	—	—	—	25.1	—	—	—	4.65	—	117	748	—	<0.200	15.6	8.33	0.0226	—	<1.00	<0.500	—	53.3	120	6.08	27.6
SB-3 (8-10')	09/15/20	Approach	—	15.8	—	0.271	3.62	9.37	—	—	—	—	18.2	—	—	—	3.73	—	27.8	<500	—	<0.200	10.4	9.16	<0.0140	—	<1.00	<0.500	—	6.29	76.3	**5.51**	19.2
SB-3 (12-14')	09/18/20	Approach	—	48.7	—	1.62	11.6	11.2	—	—	—	—	27.6	—	—	—	6.79	—	146	840	—	0.294	42.3	10.9	<0.0156	—	<1.00	<0.500	—	73.8	99.9	7.72	26.3
MW-1 (23-25')	09/10/20	Approach	—	5.78	—	0.184	5.94	5.94	—	—	—	—	15.9	—	—	—	2.22	—	72.8	<500	—	<0.200	9.31	5.43	0.0308	—	<1.00	<0.500	—	25.5	63.4	**5.59**	23.8
MW-2 (15-20')	09/09/20	Approach	—	46.8	—	0.883	2.36	3.87	—	—	—	—	17.9	—	—	—	4.10	—	86.1	<500	—	0.239	15.2	8.87	0.0287	—	<1.00	0.616	—	86.4	63.7	6.39	26.4
HET MW-4 (2-4')	07/22/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.80	—	—	<100	—	<0.48	12.2	7.9	<0.074	2.0	<0.96	<0.96	—	7.9	—	—	—
HET MW-4 (2-4')	07/22/21	Approach	—	—	—	0.044	0.671	0.241	<0.250	<0.410	0.241	—	19.8	—	—	—	6.26	—	25.9	<500	—	<0.200	9.4	7.96	0.0577	—	<1.00	<0.500	—	6.16	87.7	6.24	18.5
HET MW-4 (8-10')	07/22/21	HET	—	—	—	<1.0	14.7	8.19	0.505	0.7575	6.48	—	10.2	—	—	—	7.90	—	—	174	—	<0.50	12.4	11.8	<0.071	3.4	1.2	<1.0	—	20.5	61.9	**4.44**	25.6
HET MW-4 (8-10')	07/22/21	Approach	—	—	—	0.549	4.56	3.61	<0.250	<0.410	3.61	—	22.7	—	—	—	1.50	—	79.7	<500	—	<0.200	4.58	8.4	0.0218	—	<1.00	<0.500	—	15	112	**5.31**	19.5
HET MW-4 (18-20')	07/22/21	HET	—	—	—	<1.0	5.85	2.41	1.20	1.23	2.65	—	10.6	—	—	—	5.10	—	—	343	—	<0.50	13.2	10.2	<0.077	—	<1.0	<1.0	—	27.3	60.26	**5.10**	23.1
HET MW-4 (18-20')	07/22/21	Approach	—	—	—	0.231	2.00	1.22	<0.250	<0.410	1.22	—	21.2	—	—	—	3.09	—	128	<500	—	0.851	16	8.37	0.0447	—	<1.00	<0.500	—	86.5	97.1	**5.66**	21.6
HET MW-4 (20-22')	07/22/21	HET	—	—	—	<1.0	5.59	0.792	3.54	3.03	1.43	—	9.7	—	—	—	2.70	—	—	117	—	<0.49	14.3	7.4	<0.077	27.2	<0.98	<0.98	—	97.3	47.83	7.10	20.2
HET MW-4 (20-22')	07/22/21	Approach	—	—	—	0.377	1.98	2.54	0.482	0.51	1.79	—	18.3	—	—	—	3.03	—	34.7	<500	—	<0.200	11.6	6.3	0.0356	—	<1.00	<0.500	—	85	73.9	6.53	19.5
HET MW-5 (8-10')	07/22/21	HET	—	—	—	<1.0	7.35	5.50	0.142	0.218	2.317	—	11.7	—	—	—	6.60	—	—	<100	—	<0.50	9.2	9.3	<0.071	3.3	<1.0	<1.0	—	11.2	60.16	**4.72**	28.1
HET MW-5 (8-10')	07/22/21	Approach	—	—	—	0.402	2.59	2.47	<0.250	<0.410	2.47	—	18.6	—	—	—	2.29	—	17.4	<500	—	<0.200	10.5	10.7	0.0587	—	<1.00	<0.500	—	8.8	57.4	**5.37**	26.3
HET MW-5 (12-14')	07/22/21	HET	—	—	—	<1.0	3.80	3.72	0.232	0.337	1.97	—	13.7	—	—	—	1.80	—	—	<100	—	<0.50	8.7	8	<0.077	2.4	<1.0	<1.0	—	9.6	50.98	**4.65**	28.6
HET MW-5 (12-14')	07/22/21	Approach	—	—	—	0.257	1.64	1.46	<0.250	<0.410	1.46	—	14.3	—	—	—	<1.00	—	39.9	<500	—	<0.200	7.26	7.22	0.106	—	<1.00	<0.500	—	14.2	51.1	**5.49**	25.4
HET MW-5 (20-22')	07/22/21	HET	—	—	—	<1.0	5.81	2.86	0.975	0.975	2.81	—	8.6	—	—	—	2.10	—	—	<100	—	<0.50	7.8	4.5	<0.069	2.2	<1.0	<1.0	—	11.5	48.3	**5.84**	23.6
HET MW-5 (20-22')	07/22/21	Approach	—	—	—	0.212	2.39	1.21	<0.250	<0.410	1.21	—	11.1	—	—	—	2.66	—	22.5	<500	—	0.267	6.28	5.29	0.0179	—	<1.00	<0.500	—	64.7	55.6	6.02	22
MW-6 (4-6')	10/28/21	Approach	—	—	—	2.31	13.5	**23.0**	1.29	<1.64	18.5	—	12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53.1	6.95	—
MW-6 (4-6')	10/28/21	HET	—	—	—	1.46	11.1	5.19	6.90	5.85	13.0	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.91	6.70	17
MW-6 (10-12')	10/28/21	Approach	—	—	—	0.501	5.73	3.77	<0.250	<0.410	3.77	—	21.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.9	7.16	—
MW-6 (10-12')	10/28/21	HET	—	—	—	<1.0	4.26	1.47	21.1	14.8	6.22	—	17.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.62	7.13	23

Soil Analytical Summary - 29B Analyses (LDNR Serial No. 240833)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 9

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
MW-7 (10-12')	10/28/21	Approach	—	—	—	1.69	<0.10	5.81	2.89	2.44	9.48	—	22.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	**4.96**	—
MW-7 (10-12')	10/28/21	HET	—	—	—	1.86	6.11	5.58	4.97	2.91	11.0	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.18	**4.78**	20
MW-7 (14-16')	10/28/21	Approach	—	—	—	0.376	4.54	2.7	<0.250	<0.410	2.7	—	23.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.2	6.09	—
MW-7 (14-16')	10/28/21	HET	—	—	—	<1.0	3.31	1.19	32.3	26.3	6.43	—	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.6	**5.85**	19.6
Maximum	N/A	N/A	—	100	—	3.61	14.7	**23.0**	32.3	26.3	18.5	—	27.6	—	—	—	7.9	—	146	840	—	0.851	42.3	11.8	0.106	27.2	1.2	0.616	—	97.3	120	7.72	28.6
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 240833)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 10

Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH							PAH														
			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	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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
SB-1 (2-4')	09/14/20	Approach	—	5.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (4-6')	09/14/20	Approach	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (0-2')	09/14/20	Approach	—	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-4 (2-4')	07/22/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-4 (20-22')	07/22/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.1	<8.8	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-5 (12-14')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-5 (14-16')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-5 (20-22')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	—	10.6	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSni}$ and $Soil_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards ($Soil_{ni\ only}$) 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 - 29B Analyses (LDNR Serial No. 239274)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 1

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1 (14-16')	08/10/20	Approach	—	76.2	—	1.46	4.81	10.6	1.69	1.14	12.6	—	7.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.5	—	18
SB-1 (18-20')	08/10/20	Approach	—	109	—	2.02	2.22	**18.1**	1.4	1.03	20	—	5.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.3	—	17
SB-2R (0-2')	04/21/21	HET	—	—	—	<1.0	**17.3**	**13.1**	0.345	0.287	7.35	—	6.6	—	—	<0.010	—	—	49.4	129	—	—	—	—	—	—	—	—	—	35.84	6.21	18.1
SB-2R (0-2')	04/21/21	Approach	—	17.4	—	0.818	10.7	**12.7**	0.228	0.188	5.79	—	11.2	—	41.1	<0.10	2.78	—	106	<500	—	<0.200	8.27	6.13	<0.0141	—	<1.00	<0.500	—	12.9	54.6	6.78	19.2
SB-2 (8-10')	08/10/20	Approach	—	145	—	1.81	**34.2**	**19.0**	1.51	<0.820	16.5	—	13.8	—	—	<0.10	6.52	—	**2390**	17100	—	<0.200	49	18.9	<0.0148	—	<1.00	<0.500	—	61.4	72	8.29	22
SB-2R (8-10')	04/21/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2700	6.90	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10')	04/21/21	Approach	—	254	—	1.95	**20.3**	**18.2**	0.934	0.418	15	—	16.2	—	—	<0.10	5.58	—	261	3770	<0.250	0.226	30.3	6.09	0.0173	—	<1.00	<0.500	—	46.5	78.7	8.38	26.2
B-1 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.3	—	—	—	—	—	—	—	—	—	—	—	—	—	13.9
B-1 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.4	—	—	—	—	—	—	—	—	—	—	—	—	—	14.5
B-2 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.6	—	—	—	—	—	—	—	—	—	—	—	—	—	14.4
B-3 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-1 (0-2')	07/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.90	—	—	<100	—	<0.50	7.5	5.2	<0.080	—	<1.0	<1.0	—	5.7	—	—	—
HET MW-1 (0-2')	07/20/21	Approach	—	—	—	0.0570	0.505	0.300	<0.250	<0.410	0.3	—	9.83	—	—	—	3.28	—	34.3	<500	—	<0.200	10.6	9.32	0.0259	—	<1.00	<0.500	—	9.43	47.8	6.73	14.8
HET MW-1 (6-8')	07/20/21	HET	—	—	—	<1.0	**31.0**	5.88	12.0	19.3	23.2	—	11.6	—	—	—	4.40	—	—	291	—	<0.49	9.7	7.1	<0.074	—	<0.98	<0.98	—	17.7	69.27	**5.45**	17.6
HET MW-1 (6-8')	07/20/21	Approach	—	—	—	2.00	**17.7**	**15.5**	<0.500	<0.820	15.5	—	16.2	—	—	—	1.43	—	17.7	<500	—	<0.200	4.69	4.46	<0.0155	—	<1.00	<0.500	—	18.8	102	**5.27**	16.6
HET MW-1 (10-12')	07/20/21	HET	—	—	—	<1.0	**30.5**	6.28	14.7	20.1	26.0	—	10.5	—	—	—	1.20	—	—	172	—	<0.49	5.7	3.8	<0.069	—	<0.98	<0.98	—	10.4	38.2	6.69	18
HET MW-1 (10-12')	07/20/21	Approach	—	—	—	2.54	**19.2**	**24.2**	1.09	<0.820	17.9	—	11.4	—	—	—	<1.00	—	55	<500	—	<0.200	3.7	2.93	<0.0144	—	<1.00	<0.500	—	8.44	55.2	6.38	16.5
HET MW-1 (22-24')	07/20/21	HET	—	—	—	<1.0	4.09	1.27	21.4	16.6	5.52	—	13.7	—	—	—	7.10	—	—	184	—	<0.50	11.1	39	<0.080	—	<1.0	<1.0	—	24.3	37.71	7.16	24.5
HET MW-1 (22-24')	07/20/21	Approach	—	—	—	0.341	3.88	2.34	<0.500	<0.820	2.34	—	17	—	—	—	1.45	—	49.5	<500	—	<0.200	10.1	6.72	0.0388	—	<1.00	<0.500	—	19.6	55.9	7.03	23.8
MW-1 (26-30')	09/09/20	Approach	—	24.5	—	0.871	1.57	7.52	—	—	—	—	16.3	—	—	—	6.53	—	54.6	<500	—	0.442	11	7.94	0.0522	—	<1.00	1.28	—	45.9	60.3	7.70	22
HET MW-2 (13-15')	07/21/21	HET	—	—	—	<1.0	**15.5**	2.47	39.0	29.6	14.4	—	8.4	—	—	—	<1.0	—	—	<100	—	<0.50	3.4	2.6	<0.077	—	<1.0	<1.0	—	8.9	41.84	7.75	15.2
HET MW-2 (13-15')	07/21/21	Approach	—	—	—	0.246	9.62	1.59	<0.500	<0.820	1.59	—	10.1	—	—	—	2.27	—	25.4	<500	—	<0.200	2.49	4.11	0.056	—	<1.00	<0.500	—	12.5	55.4	6.77	13.1
HET MW-2 (14-16')	07/21/21	Approach	—	—	—	0.315	9.24	2.07	<0.500	<0.820	2.07	—	8.48	—	—	—	<1.00	—	21.7	<500	—	<0.200	2.85	3.18	<0.0157	—	<1.00	<0.500	—	8.28	48	6.51	15.8
HET MW-2 (24-26')	07/21/21	HET	—	—	—	<1.0	3.06	1.98	1.74	1.21	2.40	—	10.8	—	—	—	2.00	—	—	<100	—	<0.50	4.9	3.0	<0.069	—	<1.0	<1.0	—	42.5	41.63	7.14	27.9
HET MW-2 (24-26')	07/21/21	Approach	—	—	—	0.369	1.40	1.94	0.798	0.564	1.6	—	7.7	—	—	—	3.00	—	25.7	<500	—	<0.200	7.54	5.49	0.0254	—	<1.00	<0.500	—	50.5	47.2	6.62	25.5

Soil Analytical Summary - 29B Analyses (LDNR Serial No. 239274)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 1

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
HET MW-3 (0-2')	07/21/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	—	—	<100	—	<0.45	4.00	5.2	<0.074	—	<0.91	<0.91	—	6.5	—	—	—
HET MW-3 (0-2')	07/21/21	Approach	—	—	—	0.216	0.241	1.36	<0.500	<0.820	1.36	—	11	—	—	—	1.19	—	20.8	<500	—	<0.200	4.3	3.91	0.0275	—	<1.00	<0.500	—	4.4	40.8	6.57	13
HET MW-3 (6-8')	07/21/21	HET	—	—	—	<1.0	**39.1**	6.05	3.46	5.08	12.4	—	9.4	—	—	—	1.30	—	—	158	—	<0.50	5.8	4.9	<0.074	—	<1.0	<1.0	—	11.7	49.7	**4.90**	15.1
HET MW-3 (6-8')	07/21/21	Approach	—	—	—	2.02	**19.4**	**15.3**	<0.500	<0.820	15.3	—	13.4	—	—	—	<1.00	—	109	558	—	<0.200	4.04	3.94	<0.0143	—	<1.00	<0.500	—	8.95	83.1	**5.78**	13.9
HET MW-3 (10-12')	07/21/21	HET	—	—	—	<1.0	**42.9**	4.01	13.4	16.2	15.3	—	9.7	—	—	—	1.50	—	—	<100	—	<0.48	6.3	3.3	<0.069	—	<0.96	<0.96	—	14.4	48.41	6.24	15
HET MW-3 (10-12')	07/21/21	Approach	—	—	—	0.271	**20.8**	1.72	<0.500	<0.820	1.72	—	15.8	—	—	—	1.61	—	36.1	<500	—	<0.200	4.5	3.01	<0.0152	—	<1.00	<0.500	—	13.9	85.5	6.50	15.8
HET MW-3 (16-18')	07/21/21	HET	—	—	—	<1.0	9.88	1.20	47.6	30.6	7.48	—	8.4	—	—	—	8.10	—	—	<100	—	<0.47	9.5	4.3	0.076	—	<0.94	<0.94	—	26.3	49.05	6.54	23.8
HET MW-3 (16-18')	07/21/21	Approach	—	—	—	0.152	5.18	0.893	<0.500	<0.820	0.893	—	18.6	—	—	—	3.19	—	58.2	<500	—	<0.200	8.7	7.05	0.0296	—	<1.00	<0.500	—	12.1	74.9	6.73	19.9
HET MW-3 (18-20')	07/21/21	HET	—	—	—	<1.0	6.45	1.24	79.5	43.9	9.74	—	10.7	—	—	—	9.20	—	—	<100	—	0.82	8.3	5.4	<0.074	—	1.4	<0.98	—	51.6	42.45	6.77	21
HET MW-3 (18-20')	07/21/21	Approach	—	—	—	0.175	4.02	1.27	<0.500	<0.820	1.27	—	17.5	—	—	—	5.82	—	73.2	<500	—	2.41	9.13	6.26	0.0357	—	<1.00	<0.500	—	64.3	48.4	7.38	22
Maximum	N/A	N/A	—	254	—	2.54	**42.9**	**24.2**	79.5	43.9	26.0	—	18.6	—	41.1	<0.10	9.20	—	**2390**	17100	6.90	2.41	49.0	39.0	0.0760	—	1.4	1.28	—	64.3	102	8.38	27.9
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSN}$ 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 239274)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 2

Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH							PAH															
			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	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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
SB-2R (0-2')	04/21/21	Approach	—	<3.33	5.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/10/20	Approach	—	4.17	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10')	04/21/21	Approach	—	<3.33	6.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-1 (0-2')	07/20/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-1 (22-24')	07/20/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-2 (13-15')	07/21/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-2 (14-16')	07/21/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-2 (24-26')	07/21/21	HET	—	—	—	<3.8	<3.0	<3.5	<3.2	<3.6	<7.9	<8.5	<5.2	<5.0	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-3 (0-2')	07/21/21	HET	—	—	—	<3.9	<3.1	<3.5	<3.2	<3.6	<8.1	<8.8	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-3 (18-20')	07/21/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<7.9	<8.6	<5.2	<5.0	4.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	—	4.17	10.6	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	4.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSni}$ and $Soil_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards ($Soil_{ni\ only}$) 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 - 29B Analyses (LDNR Serial No. 239592)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 3

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1 (10-12')	08/11/20	Approach	—	5.51	—	1.69	1.48	2.41	7.66	4.9	6.05	—	24.8	—	—	<0.10	**12.1**	—	267	930	—	<0.200	15.2	6.41	<0.0157	—	2.11	<0.500	—	49.7	69.9	7.39	23.1
SB-1R (10-12')	04/20/21	Approach	—	<4.00	—	0.259	6.58	7.51	0.111	<0.164	1.77	—	23.4	—	—	—	2.65	—	18.8	<500	—	<0.200	6.14	6.56	0.0466	—	<1.00	<0.500	—	12.4	67.3	6.51	20.8
SB-1R (10-12')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/11/20	Approach	—	6.86	—	0.201	6.41	1.87	<0.500	<0.820	1.87	—	21.4	—	—	<0.10	<2.00	—	**733**	<500	—	<0.200	7.17	5.91	<0.0144	—	<1.00	<0.500	—	6.58	62.8	6.72	26.3
SB-2R (8-10')	04/20/21	Approach	—	<4.00	—	0.767	4.05	6.18	1.5	<0.410	5.35	—	11.7	—	—	—	4.85	—	**1230**	3490	—	<0.200	14	7.65	<0.0144	—	<1.00	<0.500	—	12.7	43.1	8.37	22.3
SB-2R (8-10')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	756	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	389	—	0.0863	—	—	—	—	—	—	—	—	—	—	—	24.3
SB-2R (8-10')	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	345	—	1.18	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (14-16')	08/11/20	Approach	—	110	—	0.727	3.28	11.5	0.489	<0.820	5.69	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70.9	—	24.8
SB-3 (6-8')	08/12/20	Approach	—	9.72	—	0.426	0.994	1.48	2.08	<0.820	1.51	—	14.4	—	—	<0.10	7.15	—	330	<500	—	<0.200	9.6	6.26	0.0185	—	2.71	<0.500	—	17.6	46.9	7.45	21.9
SB-3 (14-16')	08/12/20	Approach	—	7.55	—	0.677	1.09	2.60	2.99	0.981	3.67	—	23.5	—	—	<0.10	2.08	—	65.6	<500	—	<0.200	8.24	10.5	0.376	—	<1.00	<0.500	—	17.7	66.9	7.20	25.4
B-1 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	132	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8
B-1 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (8-10)	06/19/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	380	—	—	—	—	—	—	—	—	—	—	—	—	—	20.3
B-2 (8-10)	06/19/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	236	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1 (23-28')	09/09/20	Approach	—	7.07	—	0.520	1.96	4.43	—	—	—	—	17.2	—	—	—	3.85	—	78.3	<500	—	<0.200	11.5	6.85	0.0193	—	<1.00	<0.500	—	60	58.9	7.53	23.5
MW-2 (5-10')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.40	—	50.2	<500	—	<0.100	4.99	5.71	<0.0153	—	0.628	<0.250	—	5.13	—	—	—
MW-2 (5-10')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.10	—	48.3	<100	—	<0.50	4.2	6.4	<0.071	—	<1.0	<1.0	—	6.8	—	—	15.4
MW-2 (10-12')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.44	—	73.2	<500	—	<0.100	7.4	9.16	0.117	—	<0.500	<0.250	—	11.4	—	—	—
MW-2 (10-12')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.10	—	52.7	363	—	<0.50	5.9	8	<0.080	—	<1.0	<1.0	—	12.8	—	—	29
MW-2 (14-16')	10/26/21	Approach	—	—	—	0.255	2.00	4.07	0.279	<0.410	1.52	—	27.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69.7	—	—
MW-2 (14-16')	10/26/21	HET	—	—	—	0.263	5.02	1.45	20.9	16.9	6.26	—	25.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.02	—	24.2
MW-3 (8-10')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.56	—	84.7	803	—	0.726	15.6	12.8	<0.0144	—	2.5	<0.250	—	68.6	—	—	—
MW-3 (8-10')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**14.5**	—	235	2580	—	<0.50	33.4	9.3	<0.067	—	1.9	<1.0	—	29.6	—	—	16
MW-3R (8-10')	02/06/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (10-12')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.95	—	26.4	<500	—	<0.100	9.82	7.22	<0.0151	—	0.722	<02.50	—	40.8	—	—	—
MW-3 (10-12')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	—	33.8	<100	—	<0.47	7.9	4.3	<0.069	—	<0.94	<0.94	—	33.6	—	—	21.4
MW-3 (12-14')	10/27/21	Approach	—	—	—	0.427	3.05	2.41	<0.250	<0.410	2.41	—	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.5	—	—
MW-3 (12-14')	10/27/21	HET	—	—	—	0.416	4.21	4.12	0.421	0.555	2.86	—	17.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41.48	—	21
Maximum	N/A	N/A	—	110	—	1.69	6.58	11.5	20.9	16.9	6.26	—	27.8	—	—	<0.10	**14.5**	—	**1230**	3490	—	0.726	33.4	12.8	0.376	—	2.71	<1.0	—	68.6	70.9	8.37	29
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 239592)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 4

Sample ID / Depth (feet)	Sample Date	Sampler	BTEX				VOC [3]	TPH			VPH			EPH							PAH															
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	Acetone	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
			8260B	8260B	8260B	8260B	8260B	8015B	8015B	8015B	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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
SB-1 (10-12')	08/11/20	Approach	—	—	—	—	—	—	4.93	4.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/11/20	Approach	—	—	—	—	—	—	33.3	<33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3 (6-8')	08/12/20	Approach	<0.0020	<0.0040	0.0024	<0.0020	0.0537	—	<3.33	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3 (14-16')	08/12/20	Approach	—	—	—	—	—	—	<3.33	5.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (10-12')	10/26/21	Approach	—	—	—	—	—	—	4.01	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (10-12')	10/26/21	HET	—	—	—	—	—	—	—	—	<3.9	5.18	<3.5	12	<3.6	48.1	<8.6	<5.2	54.6	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0020	<0.0040	0.0024	<0.0020	0.0537	—	33.3	11.5	<3.9	5.18	<3.5	12	<3.6	48.1	<8.6	<5.2	54.6	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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 - RECAP Non-Industrial Screening Standards (lowest of Soil $_{SSni}$ and Soil$_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soil $_{ni\ only}$) per Table 2 of RECAP listed for comparison purposes only
3 - Remaining VOC compounds not listed in the table are below laboratory standards
BTEX - Benzene, Toluene, Ethylbenzene, and Xylene
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 - 29B Analyses (LDNR Serial No. 240035)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 5

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1R (0-2')	04/21/21	Approach	—	<4.00	—	0.276	0.104	0.246	1.52	0.498	0.248	—	12.8	—	<10.0	<0.10	3.36	—	129	<500	—	<0.200	6.93	7.57	<0.0156	—	<1.00	<0.500	—	8.61	83	8.26	18.1
SB-1R (0-2')	04/21/21	HET	—	—	—	<1.0	<0.10	0.00	1.12	0.250	<0.435	—	7.1	—	—	<0.010	—	—	429	164	—	—	—	—	—	—	—	—	—	—	36.89	8.14	20
SB-1 (8-10')	08/10/20	Approach	—	<4.00	—	0.692	2.05	5.59	2.02	<0.820	5.62	—	13.6	—	—	<0.10	2.98	—	**2380**	5200	—	<0.200	12	6.91	<0.0147	—	<1.00	<0.500	—	10.6	57.8	7.96	17.6
SB-1R (8-10')	04/21/21	Approach	—	<4.00	—	0.864	3.13	4.28	1.82	0.839	4.94	—	14.6	—	—	<0.10	4.15	—	**1650**	<500	0.43	<0.200	13.3	6.19	0.0239	—	<1.00	<0.500	—	11.1	70.1	8.58	18.3
SB-1R (8-10')	04/21/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	376	<1.0	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (14-16')	08/10/20	Approach	—	31.4	—	0.270	5.54	2.35	<0.500	<0.820	2.35	—	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.3	—	21.3
SB-2 (4-6')	08/11/20	Approach	—	<4.00	—	0.552	3.01	8.64	0.764	<0.820	5.34	—	13.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.6	—	23.1
SB-2R (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**872**	—	—	—	—	—	—	—	—	—	—	—	—	—	22.7
SB-2R (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (10-12')	08/11/20	Approach	—	26.2	—	0.733	2.50	5.81	2.24	<0.820	6.15	—	12.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67.5	—	18.7
SB-3R (0-2')	04/21/21	Approach	—	14.3	—	0.733	0.975	1.75	2.09	<0.820	1.79	—	13.2	—	—	<0.10	4.84	—	**614**	941	—	<0.200	10.5	6.61	0.0289	—	<1.00	<0.500	—	17.4	57.1	8.28	18.4
SB-3R (0-2')	04/21/21	HET	—	—	—	<1.0	5.14	2.08	1.83	0.42	2.20	—	7.8	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	36.1	8.09	18.2
SB-3 (2-4')	08/11/20	Approach	—	503	—	2.36	4.73	**12.2**	3.93	1.47	20	—	13.1	—	—	<0.10	4.26	—	220	<500	—	<0.200	9.79	6.17	<0.0151	—	<1.00	<0.500	—	16.5	59	**3.82**	28.7
SB-3R (2-4')	04/21/21	Approach	—	117	—	1.43	5.11	8.90	2.13	<0.820	9.18	—	10.5	—	—	—	3.21	—	158	534	—	<0.200	9.89	8.08	0.019	—	<1.00	<0.500	—	19.7	62.5	8.36	18.2
SB-3 (4-6')	08/11/20	Approach	—	315	—	1.65	3.20	5.00	6.38	1.11	9.67	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.4	—	20.7
B-1 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.9	—	—	—	—	—	—	—	—	—	—	—	—	—	16
B-1 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-1 (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**888**	—	—	—	—	—	—	—	—	—	—	—	—	—	20.2
B-1 (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.2	—	—	—	—	—	—	—	—	—	—	—	—	—	15.9
B-2 (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	111	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.1	—	—	—	—	—	—	—	—	—	—	—	—	—	15
B-3 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	90.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	13
B-3 (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-4 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.8	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3
B-4 (0-2) Field Duplicate 2	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.5	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1
B-4 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1R (6-8)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3
MW-1R (6-8)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1R (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	—	—	—	—	—	—	—	—	—	—	—	—	14.8
MW-1R (8-10) Field Duplicate	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9
MW-1R (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1R (10-12)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	146	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8
MW-1R (10-12)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	360	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1 (8-12')	09/09/20	Approach	—	12.9	—	0.29	6.23	10.4	—	—	—	—	16.3	—	—	—	2.79	—	**863**	738	—	<0.200	6.29	4.78	<0.0154	—	<1.00	<0.500	—	8.42	61.5	**5.58**	12.6
MW-1R (12-14)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	234	—	—	—	—	—	—	—	—	—	—	—	—	—	18.4
MW-1R (12-14)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Soil Analytical Summary - 29B Analyses (LDNR Serial No. 240035)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 5

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
MW-2 (0-2')	10/25/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.87	—	60.2	<500	—	<0.100	16	13.2	0.0142	—	<0.500	<0.250	—	19.2	—	—	—
MW-2 (0-2')	10/25/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	—	62.7	120	—	<0.50	9.0	7.1	<0.077	—	<1.0	<1.0	—	22.4	—	—	13.8
MW-2 (2-4')	10/25/21	Approach	—	—	—	0.261	2.78	3.00	0.613	<0.410	1.66	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45	**4.59**	—
MW-2 (2-4')	10/25/21	HET	—	—	—	0.0969	3.68	0.764	8.90	9.75	2.32	—	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.59	**4.95**	16.4
MW-2 (8-10')	10/25/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.4	—	37.5	<500	—	<0.100	5.69	6.15	<0.0145	—	<0.500	<0.250	—	5.56	35.9	6.94	—
MW-2 (8-10')	10/25/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5	—	34	<100	—	<0.50	4.5	6.00	<0.069	—	<1.0	<1.0	—	6.5	—	—	17.1
MW-2 (14-16')	10/25/21	Approach	—	—	—	0.596	—	4.70	0.532	0.589	3.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.6	—	—
MW-2 (14-16')	10/25/21	HET	—	—	—	0.13	-0.298	0.286	7.50	8.13	0.796	—	8.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.15	—	22.5
MW-3 (0-2')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.11	—	48.2	<500	—	<0.100	8.38	6.84	<0.0141	—	<0.500	<0.250	—	19	—	—	—
MW-3 (0-2')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	—	95.8	<100	—	<0.50	9.4	6.9	<0.071	—	<1.0	<1.0	—	25.8	—	—	14.3
MW-3 (2-4')	10/26/21	Approach	—	—	—	0.606	2.4	4.24	1.23	0.494	3.94	—	12.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.1	7.89	—
MW-3 (2-4')	10/26/21	HET	—	—	—	0.281	5.07	2.39	1.18	0.406	2.12	—	14.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.97	8.02	14.2
MW-3 (8-10')	10/26/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	—	27.7	<500	—	<0.100	6.74	3.86	<0.0155	—	<0.500	<0.250	—	7.49	44.1	**4.94**	—
MW-3 (8-10')	10/26/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6	—	52.9	<100	—	<0.48	8.3	3.6	<0.077	—	<0.96	<0.96	—	6.4	—	**4.74**	14.1
MW-3 (22-24')	10/26/21	Approach	—	—	—	0.138	6.29	0.782	<0.250	<0.410	0.782	—	23.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94.9	—	—
MW-3 (22-24')	10/26/21	HET	—	—	—	0.336	12	1.38	45.5	51.6	9.57	—	12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47.22	—	19.1
Maximum	N/A	N/A	—	503	—	2.36	12	**12.2**	45.5	51.6	20.0	—	23.3	—	<10.0	<0.10	6.87	—	**2380**	5200	0.43	<0.50	16	13.2	0.0289	—	<1.0	<1.0	—	25.8	94.9	8.58	28.7
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 - (LDNR Serial No. 240035)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 6

Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH							PAH															
			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	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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
SB-1R (0-2')	04/21/21	Approach	—	<3.33	3.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (8-10')	08/10/20	Approach	—	**83.8**	<33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (8-10')	04/21/21	Approach	—	**295**	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1RR (8-10')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1RR (8-10')	07/22/21	Approach	<9.17	**178**	77.6	—	—	—	<2.00	2.37	9.81	4.61	<2.00	12.3	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3R (0-2')	04/21/21	Approach	—	<3.33	6.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3 (2-4')	08/11/20	Approach	—	**106**	<33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3R (2-4')	04/21/21	Approach	—	**85.2**	<33.3	<2.50	<4.99	<3.33	3.83	1.96	66.6	5.81	3.35	219	3.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-3R (2-4')	04/21/21	HET	—	—	—	<4.0	14	<3.6	41.5	<3.7	300	<8.9	7.87	173	1.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (2-4')	10/25/21	Approach	—	9.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (2-4')	10/25/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (8-10')	10/25/21	Approach	—	30.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (8-10')	10/25/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<7.9	<8.6	<5.2	<5.0	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (2-4')	10/26/21	Approach	—	**70.9**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (2-4')	10/26/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/26/21	Approach	—	<3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/26/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<9.17	**295**	77.6	<4.0	14	<3.6	41.5	2.37	300	5.81	7.87	219	3.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSni}$ and $Soil_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards ($Soil_{ni\ only}$) 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

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HET Project No. 8070.00

Table 7

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1R (0-2')	04/20/21	Approach	—	<4.00	—	0.424	0.228	0.404	3.3	0.539	0.56	—	8.3	—	—	<0.10	2.17	—	**601**	<500	—	<0.200	7.01	5.46	<0.0147	—	<1.00	<0.500	—	5.99	39.4	8.09	19.4
SB-1R (0-2')	04/20/21	HET	—	—	—	<1.0	<0.10	0.172	4.86	0.561	<0.435	—	6.9	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.61	7.98	15.4
SB-1 (4-6')	08/12/20	Approach	—	82	—	**5.20**	4.49	11.2	28.2	<0.820	42	—	15.7	—	—	<0.10	2.03	—	68.5	9750	—	<0.200	5.58	4.9	<0.0139	—	<1.00	<0.500	—	4.25	77.5	8.09	35.3
SB-1 (6-8')	08/12/20	Approach	—	101	—	**5.92**	8.77	**13.6**	24.1	1.32	48.6	—	13	—	—	<0.10	3.82	—	**915**	12600	—	<0.200	10.2	6.13	0.0151	—	<1.00	<0.500	—	6.08	64.6	7.76	26.7
SB-1R (6-8')	04/20/21	Approach	—	<8.00	0.458	3.12	**19.1**	**33.6**	1.52	<0.820	29.3	78.2	15.1	—	—	<0.10	5.67	—	145	568	—	0.212	14.6	7.17	<0.0138	—	<1.00	<0.500	—	28.4	42.8	8.35	21
SB-1R (6-8')	04/20/21	HET	—	—	<0.70	—	—	—	—	—	—	99.1	—	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23.4
SB-1R (8-10')	04/20/21	Approach	—	17.1	—	2.36	**52.4**	**54.1**	0.337	<0.164	22.2	—	14	—	—	<0.10	2.51	—	188	535	—	<0.200	9.41	5.93	0.0264	—	<1.00	<0.500	—	30.5	104	**9.29**	28.1
SB-1R (8-10')	04/20/21	HET	—	—	—	<1.0	—	—	—	—	—	—	—	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**9.38**	33.4
SB-1 (12-14')	08/12/20	Approach	—	41.2	—	1.70	4.92	10.2	2.37	2.31	15.6	—	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.6	—	24.6
SB-1R (12-14')	04/20/21	Approach	—	10.1	—	1.33	3.59	5.34	2.03	2.59	8.11	—	9.65	—	—	<0.10	1.16	—	32.6	<500	—	—	—	—	—	—	<1.00	<0.500	—	6.93	55.9	7.69	19.5
SB-1R (12-14')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.9
SB-2R (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	229	—	—	—	—	—	—	—	—	—	—	—	—	—	12.1
SB-2R (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	125	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (6-8)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.9	—	—	—	—	—	—	—	—	—	—	—	—	—	15.4
SB-2R (6-8)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/12/20	Approach	—	39.9	—	2.59	**17.8**	**29.3**	1.69	<0.820	26.9	—	14.3	—	—	<0.10	3.46	—	**1060**	5670	—	<0.200	10.2	8.74	<0.0141	—	<1.00	<0.500	—	8.41	75.4	8.09	57.7
SB-2R (8-10')	04/20/21	Approach	—	37.1	—	1.42	10.6	**14.2**	1.31	<0.820	11.5	—	11.6	—	—	—	2.84	—	**1920**	3020	—	<0.200	14.2	6.55	0.0418	—	<1.00	<0.500	—	20.3	54	8.54	26.5
SB-2R (8-10')	04/20/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2130	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**668**	—	—	—	—	—	—	—	—	—	—	—	—	—	16.8
SB-2R (8-10)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	185	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (10-12')	08/12/20	Approach	—	39	—	2.83	10.6	**37.6**	1.58	<0.820	33.4	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.6	—	29.3
SB-2R (10-12)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.7	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6
SB-2R (10-12)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-1 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	37	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9
B-1 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-2 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	96.9	—	—	—	—	—	—	—	—	—	—	—	—	—	16.8
B-2 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B-3 (0-2)	06/20/23	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	35.7	—	—	—	—	—	—	—	—	—	—	—	—	—	18.3
B-3 (0-2)	06/20/23	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1 (16-20')	09/08/20	Approach	—	10	—	0.384	5.40	6.26	—	—	—	—	20.7	—	—	—	3.47	—	104	—	—	<0.200	14.1	8.39	0.0437	—	<1.00	<0.500	—	33.7	65.5	8.11	—
MW-2 (0-2')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.94	—	404	<500	—	<0.100	7.22	5.59	<0.0150	—	<0.500	<0.250	—	7.76	—	—	—
MW-2 (0-2')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.9	—	**628**	811	—	<0.48	7.2	6	<0.069	—	<0.96	<0.96	—	8.3	—	—	13.5
MW-2 (4-6')	10/27/21	Approach	—	—	—	0.376	1.7	3.33	0.652	<0.410	1.90	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70.3	—	—
MW-2 (4-6')	10/27/21	HET	—	—	—	0.354	5.94	4.35	0.431	0.261	2.55	—	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.22	**5.64**	13.7
MW-2 (6-8')	10/27/21	Approach	—	—	—	0.376	2.8	6.65	0.276	<0.410	2.47	—	10.7	—	—	—	1.62	—	29.6	<500	—	<0.100	9.89	5.73	<0.0157	—	<0.500	<0.250	—	9.23	66.5	—	—
MW-2 (6-8')	10/27/21	HET	—	—	—	0.375	6.2	4.38	0.410	0.350	2.69	—	12.1	—	—	—	2.4	—	51.6	<100	—	<0.50	9.2	5.2	<0.077	—	<1.0	<1.0	—	9.9	39.21	—	14.9
MW-2 (8-10')	10/27/21	Approach	—	—	—	0.226	4.92	1.7	<0.250	<0.410	1.7	—	5.57	—	—	—	1.3	—	13.4	<500	—	<0.100	2.68	3.6	<0.0139	—	<0.500	<0.250	—	3.65	44.2	**5.61**	—
MW-2 (8-10')	10/27/21	HET	—	—	—	0.279	6.57	N/A	<0.10	<0.167	2.52	—	10.3	—	—	—	2.2	—	69.3	<100	—	<0.49	7.4	4.7	<0.071	—	<0.98	<0.98	—	7.1	32.76	**4.72**	16.9
MW-2 (10-12')	10/27/21	Approach	—	—	—	0.384	2.66	7.13	0.25	<0.410	2.52	—	9.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	—	—
MW-2 (10-12')	10/27/21	HET	—	—	—	0.337	9.13	5.38	0.343	0.183	2.75	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.95	—	14.5
MW-2 (16-18')	10/27/21	Approach	—	—	—	0.098	4.41	0.535	<0.100	<0.164	0.535	—	10.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58.3	—	—
MW-2 (16-18')	10/27/21	HET	—	—	—	0.494	5.6	0.733	12.6	13.8	2.65	—	10.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.25	—	25.2

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Table 7

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
MW-3 (0-2')	10/27/21	Approach	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	—	31.7	<500	—	<0.100	9.88	5.17	0.0164	—	<0.500	<0.250	—	6.3	—	—	—
MW-3 (0-2')	10/27/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	—	41.5	200	—	<0.50	11.5	6.6	<0.077	—	<1.0	<1.0	—	8.2	—	—	13.4
MW-3 (4-6')	10/28/21	Approach	—	—	—	0.175	0.62	0.882	0.796	<0.410	0.557	—	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53.7	—	—
MW-3 (4-6')	10/28/21	HET	—	—	—	<1.0	0.777	4.53	0.130	<0.167	1.62	—	22.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44.68	—	15.9
MW-3 (6-8')	10/28/21	Approach	—	—	—	0.163	1.54	2.41	0.403	<0.410	1.08	—	12	—	—	—	2.79	—	38.2	<500	—	<0.100	11.4	6.07	<0.0156	—	<0.500	<0.250	—	7.42	57.2	—	—
MW-3 (6-8')	10/28/21	HET	—	—	—	<1.0	1.65	2.57	0.217	0.248	1.23	—	21.2	—	—	—	3.1	—	38.9	283	—	<0.50	12.5	7.5	<0.080	—	<1.0	<1.0	—	8.8	41.63	—	15.2
MW-3 (8-10')	10/28/21	Approach	—	—	—	0.154	1.97	0.943	<0.250	<0.410	0.943	—	9	—	—	—	1.25	—	35.7	<500	—	<0.100	5.72	4.68	0.0193	—	<0.500	<0.250	—	6.41	39.8	**4.96**	—
MW-3 (8-10')	10/28/21	HET	—	—	—	<1.0	2.82	7.41	<0.10	<0.167	1.02	—	17.4	—	—	—	2.3	—	43.5	340	—	<0.50	9.5	6.9	<0.077	—	<1.0	<1.0	—	8.1	38.11	**4.75**	12.8
MW-3 (10-12')	10/28/21	Approach	—	—	—	0.533	12.9	4.06	<0.250	<0.410	4.06	—	6.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	—	—
MW-3 (10-12')	10/28/21	HET	—	—	—	<1.0	10.8	4.72	5.25	8.58	12.3	—	15.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	12.3
MW-3 (14-16')	10/28/21	Approach	—	—	—	0.535	**67**	11.2	0.263	<0.410	4.07	—	8.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.5	—	—
MW-3 (14-16')	10/28/21	HET	—	—	—	<1.0	5.12	6.46	16.1	24.8	29.0	—	37.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.46	—	12.4
Maximum	N/A	N/A	—	101	0.458	**5.92**	**67**	**54.1**	28.2	24.8	48.6	99.1	37.1	—	—	<0.10	5.67	—	**1920**	12600	—	0.212	14.6	8.74	0.0437	—	<1.00	<1.0	—	33.7	104	**9.38**	57.7
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 240037)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 8

Sample ID / Depth (feet)	Sample Date	Sampler	BTEX				VOC [3]	TPH			VPH			EPH							PAH													
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	Acetone	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
			8260B	8260B	8260B	8260B	8260B	8015B	8015B	8015B	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	TX1006	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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
SB-1 (4-6')	08/12/20	Approach	—	—	—	—	—	—	<3.33	7.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (6-8')	08/12/20	Approach	—	—	—	—	—	—	**203**	68.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (6-8')	04/20/21	Approach	—	—	—	—	—	—	32	6.64	<2.39	<4.78	<3.18	2.24	1.71	11.2	4.2	2.86	18.1	2.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (6-8')	04/20/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	7.47	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (8-10')	04/20/21	Approach	—	—	—	—	—	—	34.3	3.76	<2.86	<5.71	<3.81	2.49	2.49	11.5	5.46	3.31	23	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (8-10')	04/20/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	5.97	3.85	44.4	16.9	23.2	90.2	3.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (12-14')	04/20/21	Approach	—	—	—	—	—	—	—	—	<2.53	<5.06	<3.37	<2.00	<1.00	<2.00	<2.00	<2.00	<4.00	<2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1R (12-14')	04/20/21	HET	—	—	—	—	—	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (8-10')	08/12/20	Approach	<0.0020	<0.0040	<0.0020	<0.0020	0.0962	31.7	45.3	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2R (8-10')	04/20/21	Approach	—	—	—	—	—	—	**280**	172	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2RR (8-10')	07/22/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.1	<3.5	<3.3	<3.6	<8.1	<8.8	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2RR (8-10')	07/22/21	Approach	—	—	—	—	—	10.9	**138**	53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (4-6')	10/27/21	Approach	—	—	—	—	—	—	4.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (4-6')	10/27/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (6-8')	10/27/21	Approach	—	—	—	—	—	—	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (6-8')	10/27/21	HET	—	—	—	—	—	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (6-8')	10/28/21	Approach	—	—	—	—	—	—	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (6-8')	10/28/21	HET	—	—	—	—	—	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	5.65	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/28/21	Approach	—	—	—	—	—	—	5.29	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (8-10')	10/28/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (10-12')	10/28/21	Approach	—	—	—	—	—	—	<3.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-3 (10-12')	10/28/21	HET	—	—	—	—	—	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<7.9	<8.6	<5.2	<5.0	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	<0.0020	<0.0040	<0.0020	<0.0020	0.0962	31.7	**280**	172	<4.0	<5.71	<3.81	5.97	3.85	44.4	16.9	23.2	90.2	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LDEQ RECAP SS [1]	10/20/03	N/A	0.051	20	19	18	1.5	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	1.5	680	1600	180	1700	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 - RECAP Non-Industrial Screening Standards (lowest of Soil $_{SSni}$ and Soil$_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards (Soil $_{ni\ only}$) per Table 2 of RECAP listed for comparison purposes only
3 - Remaining VOC compounds not listed in the table are below laboratory standards
BTEX - Benzene, Toluene, Ethylbenzene, and Xylene
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 - 29B Analyses (LDNR Serial No. 240833)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 9

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
SB-1 (2-4')	09/14/20	Approach	—	15.1	—	0.306	1.57	5.53	—	—	—	—	15.9	—	—	—	4.82	—	79.8	<500	—	<0.200	18.9	8.54	0.0211	—	<1.00	<0.500	—	22.2	50.5	**5.98**	20.2
SB-1 (4-6')	09/14/20	Approach	—	21.1	—	0.262	1.93	7.92	—	—	—	—	13.7	—	—	—	2.74	—	69.4	<500	—	<0.200	13.8	8.35	0.0173	—	<1.00	<0.500	—	15.1	53.9	**4.21**	19.7
SB-2 (2-4')	09/14/20	Approach	—	35.7	—	3.61	2.80	3.46	—	—	—	—	19.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	7.48	17.7
SB-2 (12-14')	09/18/20	Approach	—	100	—	2.01	6.60	8.76	—	—	—	—	25.1	—	—	—	4.65	—	117	748	—	<0.200	15.6	8.33	0.0226	—	<1.00	<0.500	—	53.3	120	6.08	27.6
SB-3 (8-10')	09/15/20	Approach	—	15.8	—	0.271	3.62	9.37	—	—	—	—	18.2	—	—	—	3.73	—	27.8	<500	—	<0.200	10.4	9.16	<0.0140	—	<1.00	<0.500	—	6.29	76.3	**5.51**	19.2
SB-3 (12-14')	09/18/20	Approach	—	48.7	—	1.62	11.6	11.2	—	—	—	—	27.6	—	—	—	6.79	—	146	840	—	0.294	42.3	10.9	<0.0156	—	<1.00	<0.500	—	73.8	99.9	7.72	26.3
MW-1 (23-25')	09/10/20	Approach	—	5.78	—	0.184	5.94	5.94	—	—	—	—	15.9	—	—	—	2.22	—	72.8	<500	—	<0.200	9.31	5.43	0.0308	—	<1.00	<0.500	—	25.5	63.4	**5.59**	23.8
MW-2 (15-20')	09/09/20	Approach	—	46.8	—	0.883	2.36	3.87	—	—	—	—	17.9	—	—	—	4.10	—	86.1	<500	—	0.239	15.2	8.87	0.0287	—	<1.00	0.616	—	86.4	63.7	6.39	26.4
HET MW-4 (2-4')	07/22/21	HET	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.80	—	—	<100	—	<0.48	12.2	7.9	<0.074	2.0	<0.96	<0.96	—	7.9	—	—	—
HET MW-4 (2-4')	07/22/21	Approach	—	—	—	0.044	0.671	0.241	<0.250	<0.410	0.241	—	19.8	—	—	—	6.26	—	25.9	<500	—	<0.200	9.4	7.96	0.0577	—	<1.00	<0.500	—	6.16	87.7	6.24	18.5
HET MW-4 (8-10')	07/22/21	HET	—	—	—	<1.0	14.7	8.19	0.505	0.7575	6.48	—	10.2	—	—	—	7.90	—	—	174	—	<0.50	12.4	11.8	<0.071	3.4	1.2	<1.0	—	20.5	61.9	**4.44**	25.6
HET MW-4 (8-10')	07/22/21	Approach	—	—	—	0.549	4.56	3.61	<0.250	<0.410	3.61	—	22.7	—	—	—	1.50	—	79.7	<500	—	<0.200	4.58	8.4	0.0218	—	<1.00	<0.500	—	15	112	**5.31**	19.5
HET MW-4 (18-20')	07/22/21	HET	—	—	—	<1.0	5.85	2.41	1.20	1.23	2.65	—	10.6	—	—	—	5.10	—	—	343	—	<0.50	13.2	10.2	<0.077	—	<1.0	<1.0	—	27.3	60.26	**5.10**	23.1
HET MW-4 (18-20')	07/22/21	Approach	—	—	—	0.231	2.00	1.22	<0.250	<0.410	1.22	—	21.2	—	—	—	3.09	—	128	<500	—	0.851	16	8.37	0.0447	—	<1.00	<0.500	—	86.5	97.1	**5.66**	21.6
HET MW-4 (20-22')	07/22/21	HET	—	—	—	<1.0	5.59	0.792	3.54	3.03	1.43	—	9.7	—	—	—	2.70	—	—	117	—	<0.49	14.3	7.4	<0.077	27.2	<0.98	<0.98	—	97.3	47.83	7.10	20.2
HET MW-4 (20-22')	07/22/21	Approach	—	—	—	0.377	1.98	2.54	0.482	0.51	1.79	—	18.3	—	—	—	3.03	—	34.7	<500	—	<0.200	11.6	6.3	0.0356	—	<1.00	<0.500	—	85	73.9	6.53	19.5
HET MW-5 (8-10')	07/22/21	HET	—	—	—	<1.0	7.35	5.50	0.142	0.218	2.317	—	11.7	—	—	—	6.60	—	—	<100	—	<0.50	9.2	9.3	<0.071	3.3	<1.0	<1.0	—	11.2	60.16	**4.72**	28.1
HET MW-5 (8-10')	07/22/21	Approach	—	—	—	0.402	2.59	2.47	<0.250	<0.410	2.47	—	18.6	—	—	—	2.29	—	17.4	<500	—	<0.200	10.5	10.7	0.0587	—	<1.00	<0.500	—	8.8	57.4	**5.37**	26.3
HET MW-5 (12-14')	07/22/21	HET	—	—	—	<1.0	3.80	3.72	0.232	0.337	1.97	—	13.7	—	—	—	1.80	—	—	<100	—	<0.50	8.7	8	<0.077	2.4	<1.0	<1.0	—	9.6	50.98	**4.65**	28.6
HET MW-5 (12-14')	07/22/21	Approach	—	—	—	0.257	1.64	1.46	<0.250	<0.410	1.46	—	14.3	—	—	—	<1.00	—	39.9	<500	—	<0.200	7.26	7.22	0.106	—	<1.00	<0.500	—	14.2	51.1	**5.49**	25.4
HET MW-5 (20-22')	07/22/21	HET	—	—	—	<1.0	5.81	2.86	0.975	0.975	2.81	—	8.6	—	—	—	2.10	—	—	<100	—	<0.50	7.8	4.5	<0.069	2.2	<1.0	<1.0	—	11.5	48.3	**5.84**	23.6
HET MW-5 (20-22')	07/22/21	Approach	—	—	—	0.212	2.39	1.21	<0.250	<0.410	1.21	—	11.1	—	—	—	2.66	—	22.5	<500	—	0.267	6.28	5.29	0.0179	—	<1.00	<0.500	—	64.7	55.6	6.02	22
MW-6 (4-6')	10/28/21	Approach	—	—	—	2.31	13.5	**23.0**	1.29	<1.64	18.5	—	12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53.1	6.95	—
MW-6 (4-6')	10/28/21	HET	—	—	—	1.46	11.1	5.19	6.90	5.85	13.0	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46.91	6.70	17
MW-6 (10-12')	10/28/21	Approach	—	—	—	0.501	5.73	3.77	<0.250	<0.410	3.77	—	21.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.9	7.16	—
MW-6 (10-12')	10/28/21	HET	—	—	—	<1.0	4.26	1.47	21.1	14.8	6.22	—	17.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.62	7.13	23

Soil Analytical Summary - 29B Analyses (LDNR Serial No. 240833)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 9

Sample ID / Depth	Sample Date	Sampler	Salinity													Metals [6]														Additional Parameters		
			Chloride	Chloride	SPLP Chloride	EC	ESP	SAR	Calcium	Magnesium	Sodium	SPLP Sodium	CEC	Bicarbonate (as CaCO3)	Sulfate	Oil & Grease	Total Arsenic	SPLP Arsenic	Total Barium	True Total Barium	SPLP Barium	Total Cadmium	Total Chromium	Total Lead	Total Mercury	Total Nickel	Total Selenium	Total Silver	Total Strontium	Total Zinc	Saturation %	pH (Saturated Paste)	% Moisture
			29B	9056A	1312	29B	29B	29B	29B	29B	29B	1312	29B	2320B	9056	29B	6010D	1312	6010D	29B	1312	6010D	6010D	6010D	7471A	6010D	6010D	6010D	6010D	6010D	29B	29B	2540G
			meq/L	mg/Kg	mg/L	mmhos/cm	%	N/A	meq/L	meq/L	meq/L	mg/L	meq/100g	mg/Kg	mg/Kg	%	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.	%
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A
MW-7 (10-12')	10/28/21	Approach	—	—	—	1.69	<0.10	5.81	2.89	2.44	9.48	—	22.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	99.3	**4.96**	—
MW-7 (10-12')	10/28/21	HET	—	—	—	1.86	6.11	5.58	4.97	2.91	11.0	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.18	**4.78**	20
MW-7 (14-16')	10/28/21	Approach	—	—	—	0.376	4.54	2.7	<0.250	<0.410	2.7	—	23.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.2	6.09	—
MW-7 (14-16')	10/28/21	HET	—	—	—	<1.0	3.31	1.19	32.3	26.3	6.43	—	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.6	**5.85**	19.6
Maximum	N/A	N/A	—	100	—	3.61	14.7	**23.0**	32.3	26.3	18.5	—	27.6	—	—	—	7.9	—	146	840	—	0.851	42.3	11.8	0.106	27.2	1.2	0.616	—	97.3	120	7.72	28.6
LDNR 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	N/A	10	200	N/A	500	N/A	`6-9	N/A
LDEQ RECAP SS [2]	N/A	N/A	N/A	N/A	5000 [3]	N/A	N/A	N/A	N/A	N/A	N/A	1200 [3]	N/A	N/A	N/A	N/A	12	0.2 [3]	550	N/A	40 [3]	3.9	100	100	2.3	160	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	1600	390	390	N/A	23000	N/A	N/A	N/A

1 - LDNR Statewide Order 29-B standards for Upland Criteria listed for reference purposes only
2 - 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 - HET Calcium, Magnesium, and Sodium values reported in mg/L and converted to meq/L
6 - HET and Approach metal results reported in wet weight
mg/Kg - milligrams per kilogram equivalent to parts per million (ppm)
mmhos/cm - milli mohs per centimeter
mg/L - milligrams per liter
meq/L - milliequivalents 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 (LDNR Serial No. 240833)

Jack R. Gamble, Jr., LLC v. Indigo Minerals, LLC
42nd Judicial District Court, Docket No. 81488, Division "B"
Belle Bower, Bethany Longstreet, and Logansport Oil and Gas Fields
Sections 26,34, and 35, Township 13 North, Range 16 West and Section 02, Township 12 North, Range 16 West
DeSoto Parish, Louisiana
LDNR OC Legacy File No. 042-003
HET Project No. 8070.00

Table 10

Sample ID / Depth (feet)	Sample Date	Sampler	TPH			VPH			EPH							PAH														
			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	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B	8270B
			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
SB-1 (2-4')	09/14/20	Approach	—	5.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-1 (4-6')	09/14/20	Approach	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SB-2 (0-2')	09/14/20	Approach	—	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-4 (2-4')	07/22/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.0	<8.7	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-4 (20-22')	07/22/21	HET	—	—	—	<3.9	<3.0	<3.5	<3.2	<3.6	<8.1	<8.8	<5.3	<5.1	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-5 (12-14')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-5 (14-16')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HET MW-5 (20-22')	07/22/21	HET	—	—	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.1	<8.8	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maximum	N/A	N/A	—	10.6	—	<4.0	<3.1	<3.6	<3.3	<3.7	<8.2	<8.9	<5.4	<5.2	<1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 - RECAP Non-Industrial Screening Standards (lowest of $Soil_{SSni}$ and $Soil_{SSGW}$) per Table 1 of RECAP for comparison purposes only
2 - LDEQ RECAP Management Option 1 Non-Industrial Standards ($Soil_{ni\ only}$) 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