

TABLE 1
Soil Sample and Field Screening Information
Kielian 2-2 Wellhead, Weld County, CO

Sample Information				
Sample ID	Depth	Sample Date	Latitude	Longitude
Units -->	ft-bgs	mm/dd/yyyy	Decimal Degree (NAD83)	
SS1-0.5	0.5	6/7/2021	40.336213	-104.850470
SS3-3	3	6/7/2021	40.336207	-104.850471
SS4-2	2	9/20/2021	40.336268	-104.850423
FS1-0.5	0.5	6/7/2021	40.336213	-104.850470
FS2-0.5	0.5	6/7/2021	40.336213	-104.850526
FS3-0.5	0.5	6/7/2021	40.336190	-104.850498
FS4-3	3	6/7/2021	40.336158	-104.850377
FS5-3	3	6/7/2021	40.335550	-104.850331
TP1-2	2	6/8/2021	40.336195	-104.850451
TP1-4	4	6/8/2021	40.336195	-104.850451
TP2-2	2	6/8/2021	40.336114	-104.850375
TP2-4	4	6/8/2021	40.336114	-104.850375
EX01-2	2	7/14/2021	40.336209	-104.850520
EX02-2	2	7/14/2021	40.336197	-104.850469
EX03-2	2	7/14/2021	40.336237	-104.850474
EX04-2	2	7/14/2021	40.336245	-104.850527
EX05-3	3	8/14/2025	40.336264	-104.850469
EX06-3	3	8/14/2025	40.336236	-104.850422
SB01-5	5	1/20/2022	40.336237	-104.850474
BG1-1	1	5/17/2021	40.335576	-104.848449
BG02-0.5	0.5	7/14/2021	40.336289	-104.850808
BG02-3	3	7/14/2021	40.336289	-104.850808
BG03-0.5	0.5	7/14/2021	40.336211	-104.850158
BG03-3	3	7/14/2021	40.336211	-104.850158
BKG01	6, 8, 10	8/13/2025	40.335641	-104.850448
BKG02	6, 8, 10	8/13/2025	40.335307	-104.850515
BKG03	6, 8, 10	8/11/2025	40.335078	-104.849925
BKG04	6, 8, 10	11/20/2025	40.335217	-104.849799
BKG05	6, 8, 10	11/20/2025	40.335486	-104.849674
BKG06	6, 8, 10	11/20/2025	40.335708	-104.849676
BKG07	6, 8, 10	11/20/2025	40.335793	-104.849841
BKG08	2	11/20/2025	40.336043	-104.850634
BKG09	2	11/20/2025	40.336270	-104.850687
BKG10	2	11/20/2025	40.336523	-104.850587
BKG11	2	11/20/2025	40.336700	-104.850966
BKG12	2	11/20/2025	40.336698	-104.850614
BKG13	2	11/20/2025	40.336517	-104.850155
BKG14	2	11/20/2025	40.336267	-104.850244
BKG15	2	11/20/2025	40.336111	-104.850281
BKG16	2	11/20/2025	40.336049	-104.850412
BKG17	2	11/20/2025	40.336169	-104.850175
BKG18	2	11/20/2025	40.336676	-104.850133
BKG19	2	11/20/2025	40.336874	-104.850094

Notes:

- ft-bgs - feet below ground surface
- EX - excavation
- BG/BKG - background
- SS - soil sample
- SB - soil boring
- FS - field screening
- TP - test pit

TABLE 2
Soil Analytical Results Summary Table - Organics
Kielian 2-2 Wellhead, Weld County, CO

Sample Information				BTEXN + TMBs							TPH			
Sample ID	Depth	Sample Date	PID Field Screening	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Naphthalene	1,2,4-TMB	1,3,5-TMB	GRO	DRO	ORO	TPH
Units -->	ft-bgs	mm/dd/yyyy	ppm	mg/kg							mg/kg			
ECMC RSSL -->				1.2	490	5.8	58	2	30	27	500	500	500	500
ECMC GWSSL -->				0.0026	0.69	0.78	9.9	0.0038	0.0081	0.0087	500	500	500	500
SS3-3	3	6/7/2021	209.4	0.00244	<0.00200	0.00958	0.358	0.00853	0.369	0.0990	27.4	<50.0	<200	27.4
SS3@4-8	4-8	12/12/2024	0.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.5
SS4-2	2	8/14/2025	0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.245	<30.6	<122	<152.8
EX01-2	2	7/14/2021	0.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<50.0	<200	<200
EX01-2	2	8/14/2025	0.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.244	<30.5	<122	<152.7
EX02-2	2	7/14/2021	0.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<50.0	<200	<200
EX02-2	2	8/14/2025	0.3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.223	<27.9	<112	<140.1
EX03-2	2	7/14/2021	1.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<50.0	<200	<200
EX04-2	2	7/14/2021	0.6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<50.0	<200	<200
EX04-2	2	8/14/2025	0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.244	<30.5	<122	<152.7
EX05-3	3	8/14/2025	0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.242	<30.3	<121	<151.5
EX06-3	3	8/14/2025	0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.228	<28.5	<114	<142.7
SB01-5	5	8/14/2025	1.3	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.219	<27.4	<110	<137.6

Notes:

GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
TPH - Total Petroleum Hydrocarbons
PID - Photo Ionization Detector
TMB - Trimethylbenzene
ft-bgs - feet below ground surface
Removed by excavation

ppm - parts per million
ECMC - Energy and Carbon Management Commission
BTEXN - Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene
RSSL - Residential Soil Screening Level
GWSSL - Groundwater Soil Screening Level
< - indicates result is below the laboratory reporting limit
mg/kg - milligrams per kilogram
Red- Above ECMC Table 915-1 Standards

EX - excavation
SS - soil sample
SB - soil boring

TABLE 3
Soil Analytical Results Summary Table - PAHs
Kielian 2-2 Wellhead, Weld County, CO

Sample Information				PAHs													
Sample ID	Depth	Sample Date	PID Field Screening	Acenaphthene	Anthracene	Benz(a)-anthracene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-methylnaphthalene	2-methylnaphthalene	Pyrene
Units -->	ft-bgs	mm/dd/yyyy	ppm	mg/kg													
ECMC RSSL -->				360	1800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
ECMC GWSSL -->				0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
SS3-3	3	6/7/2021	209.4	0.000797	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000461	<0.00067	<0.00067	0.00789	<0.00067	0.0276	0.0394	0.000483
SS3@4-8	4-8	12/12/2024	0.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS4-2	2	8/14/2025	0.1	<0.025	<0.025	<0.006	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.002	<0.002	<0.025
EX01-2	2	7/14/2021	0.9	<0.00067						<0.00067			<0.00067		<0.00067	<0.00067	<0.00067
EX01-2	2	8/14/2025	0.4	<0.024	<0.024	<0.006	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.002	<0.002	<0.024
EX02-2	2	7/14/2021	0.7	<0.00067						<0.00067			<0.00067		<0.00067	<0.00067	<0.00067
EX02-2	2	8/14/2025	0.3	<0.022	<0.022	0.008	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002	<0.022
EX03-2	2	7/14/2021	1.2	<0.00067						0.000798			<0.00067		<0.00067	<0.00067	<0.00067
EX04-2	2	7/14/2021	0.6	<0.00067						<0.00067			<0.00067		<0.00067	<0.00067	<0.00067
EX04-2	2	8/14/2025	0.2	<0.024	<0.024	<0.006	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.002	<0.002	<0.024
EX05-3	3	8/14/2025	0.1	<0.024	<0.024	<0.006	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.002	<0.002	<0.024
EX06-3	3	8/14/2025	0.2	<0.023	<0.023	<0.006	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.002	<0.002	<0.023
SB01-5	5	8/14/2025	1.3	<0.022	<0.022	<0.005	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002	<0.022

Notes:

ft-bgs - feet below ground surface
 PID - Photo Ionization Detector
 ppm - parts per million
 mg/kg - milligrams per kilogram
 Removed by excavation
 Not analyzed

ECMC - Energy and Carbon Management Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 < - indicates result is below the laboratory reporting limit
 Red- Above ECMC Table 915-1 Standards

EX - excavation
 SS - soil sample
 SB - soil boring



TABLE 4
Soil Analytical Results Summary Table - Inorganics
Kielian 2-2 Wellhead, Weld County, CO

Sample Information				Soil Suitability for Reclamation				Metals in Soils									
Sample ID	Depth	Sample Date	PID Field Screening	EC	SAR	pH	Boron	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Units -->	ft-bgs	mm/dd/yyyy	ppm	mmhos/cm	Unitless	Unitless	mg/l	mg/kg									
ECMC RSSL -->				<4	<6	6.0 - 8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC GWSSL -->				<4	<6	6.0 - 8.3	2	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
1.25x Max Background				NA	NA	NA	NA	13.75	318	0.638	0.90	NA	25.3	34.3	1.64	NA	NA
Max Background				10.7	13.6	8.72	2.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS1-0.5	0.5	6/7/2021	11.4	9.62	21.5	8.25	3.09										
SS3-3	3	6/7/2021	209.4	24.5	33.9	7.27	0.535	2.27	104	0.184	<1.29	10.3	8.14	14	0.361	0.0409	43.6
SS3@4-8	4-8	12/12/2024	0.1	0.360	1.08	8.14	<2.00	0.596	14.6	<0.200	<0.30	2.55	1.30	2.67	<0.260	<0.0200	8.46
SS4-2	2	9/20/2021	NM		1.99												
SS4-2	2	8/14/2025	0.1	3.41	2.93	7.93	1.32	6.35	247	<0.405	<0.36	<49.1	<14.9	<27.7	1.17	<0.854	<395
EX01-2	2	7/14/2021	0.9	8.25	6.53		1.16	2.59	171						0.367		
EX01-2	2	8/14/2025	0.4	9.69	7.82	7.80	2.97	5.64	279	<0.446	<0.36	<54.0	17.2	<30.5	0.899	<0.938	<434
EX02-2	2	7/14/2021	0.7	8.27	7.35		1.81	3.68	184						0.405		
EX02-2	2	8/14/2025	0.3	2.80	4.84	7.96	0.623	3.27	94.6	<0.396	<0.32	<47.9	<14.6	<27.1	0.275	<0.833	<385
EX03-2	2	7/14/2021	1.2	9.74	35.0		1.49	3.52	192						0.345		
EX04-2	2	7/14/2021	0.6	10.3	8.50		1.50	2.89	154						0.375		
EX04-2	2	8/14/2025	0.2	4.99	2.50	7.70	2.71	4.78	104	<0.450	<0.36	<54.5	<16.6	<30.8	0.473	<0.947	<438
EX05-3	3	4/11/2022	1.5		4.55												
EX05-3	3	8/14/2025	0.1	4.21	3.64	7.78	0.331	5.09	174	<0.433	<0.35	<52.4	<15.9	<29.6	0.577	<0.911	<421
EX06-3	3	4/11/2022	1.5		1.28												
EX06-3	3	8/14/2025	0.2	1.43	2.20	8.06	0.610	5.57	108	<0.421	<0.33	<51.0	<15.5	<28.8	0.380	<0.887	<410
SB01-5	5	1/20/2022	0.0		2.87												
SB01-5	5	8/14/2025	1.3	1.07	1.75	7.78	0.443	2.88	88.3	<0.361	<0.33	<43.7	<13.3	<24.7	0.353	<0.761	<352



TABLE 4
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Sample Information				Soil Suitability for Reclamation				Metals in Soils									
Sample ID	Depth	Sample Date	PID Field Screening	EC	SAR	pH	Boron	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Units -->	ft-bgs	mm/dd/yyyy	ppm	mmhos/cm	Unitless	Unitless	mg/l	mg/kg									
ECMC RSSL -->				<4	<6	6.0 - 8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC GWSSL -->				<4	<6	6.0 - 8.3	2	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Background Samples																	
BG1-1	1	5/17/2021	0.3					2.42	232								
BG02-0.5	0.5	7/14/2021	NA	8.47	10.3		2.26	2.29	145						0.353		
BG02-3	3	7/14/2021	NA	1.36	1.98		0.359	1.84	108						0.265		
BG03-0.5	0.5	7/14/2021	NA	10.7	13.6		1.82	3.27	180						0.470		
BG03-3	3	7/14/2021	NA	7.27	7.94		1.78	2.31	130						0.331		
BKG01@6	6	8/13/2025	NA	0.421	0.822	8.16	0.200	3.42	<76.5	<0.355	0.48	<42.9	<13.1	<24.3	1.15	<0.747	<345
BKG01@8	8	8/13/2025	NA	0.267	0.661	8.11	<0.0999	0.538	<70.4	<0.326	0.29	<39.5	<12.0	<22.3	0.261	<0.687	<318
BKG01@10	10	8/13/2025	NA	0.309	0.715	8.22	<0.100	1.37	<76.4	<0.354	0.09 J	<42.8	<13.0	<24.2	0.706	<0.745	<345
BKG02@6	6	8/13/2025	NA	1.52	1.93	7.78	0.727	4.11	229	0.380	0.29	<42.2	<12.8	<23.9	0.917	<0.734	<339
BKG02@8	8	8/13/2025	NA	0.492	0.987	8.15	0.124	1.18	<70.8	<0.328	0.72	<39.7	<12.1	<22.4	<0.224	<0.690	<319
BKG02@10	10	8/13/2025	NA	0.584	0.942	8.10	<0.0997	0.947	<69.2	<0.321	0.15 J	<38.8	<11.8	<22.0	<0.220	<0.676	<312
BKG03@6	6	8/11/2025	NA	0.176	1.54	8.72	<0.0999	0.712	<72.5	<0.336	<0.449	<40.7	<12.4	<23.0	<0.230	<0.708	<327
BKG03@8	8	8/11/2025	NA	0.202	0.616	8.46	<0.0997	0.671	<70.3	<0.326	<0.289	<39.5	<12.0	<22.3	<0.223	<0.686	<317
BKG03@10	10	8/11/2025	NA	0.428	0.816	8.29	0.108	2.28	<75.9	<0.352	<0.327	<42.6	<13.0	<24.1	<0.241	<0.741	<343
BKG04@6	6	11/20/2025	NA	1.43	1.96	8.06	0.855	11.0	227	<0.295	0.64	<35.8	17.6	<20.2	0.333	<0.622	<288
BKG04@8	8	11/20/2025	NA	1.19	2.03	8.14	0.522	2.31	187	<0.322	0.46	<39.0	15.3	26.2	<0.209	<0.678	<314
BKG04@10	10	11/20/2025	NA	0.244	0.698	8.11	<0.110	1.31	<59.5	<0.276	<0.33	<33.4	<10.2	<18.9	<0.178	<0.580	<268
BKG05@6	6	11/20/2025	NA	3.43	1.44	7.86	0.701	4.07	148	<0.331	<0.36	<40.1	13.9	<22.6	0.571	<0.697	<322
BKG05@8	8	11/20/2025	NA	1.42	2.20	7.85	0.813	5.02	164	0.430	<0.38	<40.6	13.9	<23.0	0.580	<0.707	<327
BKG05@10	10	11/20/2025	NA	0.694	1.13	8.08	0.587	5.89	201	0.408	<0.39	<40.4	15.8	25.2	0.298	<0.703	<325
BKG06@6	6	11/20/2025	NA	0.382	0.712	8.33	0.605	5.09	<71.8	<0.333	<0.36	<40.3	<12.3	<22.8	<0.215	<0.700	<324
BKG06@8	8	11/20/2025	NA	0.221	0.575	8.36	<0.111	1.52	<58.7	<0.272	<0.32	<32.9	<10.0	<18.6	<0.176	<0.573	<265
BKG06@10	10	11/20/2025	NA	0.182	0.639	8.04	<0.112	1.38	<58.4	<0.270	<0.33	<32.7	<9.96	<18.5	<0.175	<0.569	<263

TABLE 4
Soil Analytical Results Summary Table - Inorganics
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Sample Information				Soil Suitability for Reclamation				Metals in Soils									
Sample ID	Depth	Sample Date	PID Field Screening	EC	SAR	pH	Boron	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Units -->	ft-bgs	mm/dd/yyyy	ppm	mmhos/cm	Unitless	Unitless	mg/l	mg/kg									
ECMC RSSL -->				<4	<6	6.0 - 8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC GWSSL -->				<4	<6	6.0 - 8.3	2	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BKG07@6	6	11/20/2025	NA	0.714	1.34	8.21	<0.115	1.63	<60.6	<0.281	<0.33	<34.0	<10.4	<19.2	<0.182	<0.591	<274
BKG07@8	8	11/20/2025	NA	0.300	0.684	8.30	<0.112	1.44	<61.6	<0.285	<0.34	<34.6	<10.5	<19.5	<0.185	<0.601	<278
BKG07@10	10	11/20/2025	NA	0.249	0.702	8.15	<0.111	0.756	<59.3	<0.275	<0.34	<33.3	<10.1	<18.8	<0.178	<0.579	<268
BKG08@2	2	11/20/2025	NA	7.03	6.26	8.03	2.51	5.81	254	0.482	<0.37	<38.0	15.6	26.5	0.839	<0.660	<305
BKG09@2	2	11/20/2025	NA	2.22	4.27	8.25	1.18	3.95	126	<0.294	<0.36	<35.6	<10.8	<20.1	0.458	<0.619	<286
BKG10@2	2	11/20/2025	NA	4.15	4.27	7.94	1.80	4.57	216	0.480	<0.40	<40.8	16.8	24.8	1.09	<0.709	<328
BKG11@2	2	11/20/2025	NA	0.901	1.46	7.90	0.742	7.65	246	0.510	<0.42	<44.8	19.1	27.4	1.21	<0.778	<360
BKG12@2	2	11/20/2025	NA	1.95	2.33	7.95	1.17	6.02	227	0.467	<0.41	<44.1	20.2	24.9	1.31	<0.766	<354
BKG13@2	2	11/20/2025	NA	0.823	1.43	8.24	0.539	4.23	120	<0.308	<0.36	<37.2	<11.3	<21.1	0.321	<0.648	<300
BKG14@2	2	11/20/2025	NA	2.29	3.60	8.20	1.30	6.23	186	0.367	<0.37	<38.9	12.4	22.0	0.431	<0.676	<313
BKG15@2	2	11/20/2025	NA	6.65	7.16	8.07	2.16	5.38	205	0.367	<0.37	<39.9	12.7	<22.6	0.717	<0.694	<321
BKG16@2	2	11/20/2025	NA	3.11	5.25	8.13	0.932	6.12	201	<0.359	<0.37	<39.2	<11.9	<22.2	0.387	<0.682	<316
BKG17@2	2	11/20/2025	NA	4.03	4.81	6.31	1.11	3.68	225	0.362	<0.37	<36.8	12.6	22.0	0.485	<0.640	<296
BKG18@2	2	11/20/2025	NA	0.784	1.42	8.25	0.458	4.23	90.9	<0.312	<0.37	<37.7	<11.5	<21.3	0.362	<0.656	<303
BKG19@2	2	11/20/2025	NA	8.23	7.08	8.15	2.88	5.58	148	0.314	<0.35	<35.9	12.1	<20.3	1.07	<0.625	<289

Notes:

PID - Photo Ionization Detector
 EC - Electrical Conductivity
 SAR - Sodium adsorption ratio
 ft-bgs - feet below ground surface
 ppm - parts per million
 mg/kg - milligrams per kilogram
 Not analyzed
 Removed by excavation
 NM - not measured

ECMC - Energy and Carbon Management Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 mmhos/cm - millimeters of mercury per centimeter
 mg/l - milligrams per liter
 < - indicates result is below the laboratory reporting limit
 Red - Above ECMC Table 915-1 Standards
 Green - Above ECMC Table 915-1 GWSSL, representative of background levels
 NA - not applicable

EX - excavation
 BG/BKG - background
 SS - soil sample
 SB - soil boring

TABLE 5
Groundwater Analytical Results Summary
Tank Battery and Wellhead. Weld County, CO

Sample Information			Organics						
Sample ID	Depth	Sample Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Napthalene	1,2,4 TMB	1,3,5 TMB
Units -->	ft-bgs	mm/dd/yyyy	µg/l						
ECMC Table 915-1 Standard -->			5	560	700	1,400	140	67	67
GW01	~4	6/7/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00

Notes:

ft-bgs - feet below ground surface

µg/l - micrograms per liter

ECMC - Energy and Carbon Management Commission

TPGW - Test Pit Groundwater Sample

~ - denotes approximation

TMB - Trimethylbenzene

< - indicates result is less than laboratory reporting limit