

TABLE 1
Soil Sample and Field Screening Information
Margil 34A Production Facility and Wellheads. Weld County, CO

Sample Information				
Sample ID	Depth	Sample Date	Latitude	Longitude
Units -->	ft-bgs	mm/dd/yyyy	Decimal Degree (NAD83)	
AST01@1	1	2/6/2023	40.273269	-104.994509
AST02@1	1	2/6/2023	40.273245	-104.994575
AST03@1	1	2/6/2023	40.273316	-104.994537
AST04@1.5	1.5	2/6/2023	40.273292	-104.994602
AST05@1	1	2/6/2023	40.273361	-104.994565
AST06@1.5	1.5	2/6/2023	40.273337	-104.994635
PWV01@5	5	2/7/2023	40.273398	-104.994584
PWV02@5	5	2/7/2023	40.273367	-104.994661
PWV01-2@5	5	4/3/2023	40.273398	-104.994584
WDL01@3	3	2/7/2023	40.273387	-104.994602
WDL02@3	3	2/7/2023	40.273382	-104.994640
SEP01-DL@5	5	2/8/2023	40.273546	-104.994710
SEP01-FL@5	5	2/8/2023	40.273570	-104.994676
SEP02-DL@4	4	2/8/2023	40.273578	-104.994727
SEP02-FL@5	5	2/8/2023	40.273600	-104.994691
SEP03-DL@4	4	2/8/2023	40.273609	-104.994741
SEP03-FL@5	5	2/8/2023	40.273632	-104.994708
SEP04-DL@8	8	2/8/2023	40.273634	-104.994753
SEP04-FL@5	5	2/8/2023	40.273661	-104.994732
SEP05-DL@4	4	2/8/2023	40.273669	-104.994775
SEP05-FL@5	5	2/8/2023	40.273692	-104.994748
SEP06-FL@5	5	2/8/2023	40.273717	-104.994769
SEP06-DL@4	4	2/8/2023	40.273697	-104.994806
WH01-S@4	4	2/8/2023	40.273590	-104.994372
WH02-S@4	4	2/8/2023	40.273537	-104.994341
WH03-S@4	4	2/8/2023	40.273492	-104.994309
WH04-S@4	4	2/8/2023	40.273443	-104.994280
WH05-S@4	4	2/8/2023	40.273343	-104.994218
WH01@8	8	2/9/2023	40.273597	-104.994373
WH02@10	10	2/13/2023	40.273544	-104.994339
WH03@8	8	2/9/2023	40.273498	-104.994312
WH04@8	8	2/10/2023	40.273449	-104.994285
WH05@8	8	2/10/2023	40.273354	-104.994224
PWV01-E@3	3	2/7/2023	40.273406	-104.994564
PWV01-S@3	3	2/7/2023	40.273379	-104.994569
PWV01-N@3	3	2/7/2023	40.273411	-104.994593
PWV02-S@3	3	2/7/2023	40.273354	-104.994656
PWV02-W@3	3	2/7/2023	40.273366	-104.994682
PWV02-N@3	3	2/7/2023	40.273386	-104.994666
FL01@4	4	2/8/2023	40.273640	-104.994493
FL02@4	4	2/9/2023	40.273603	-104.994504
FL03@4	4	2/9/2023	40.273574	-104.994516

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Sample ID	Depth	Sample Date	Latitude	Longitude
Units -->	ft-bgs	mm/dd/yyyy	Decimal Degree (NAD83)	
FL04@5	5	2/13/2023	40.273457	-104.994414
WH01-N@1	1	2/9/2023	40.273620	-104.994377
WH01-E@1	1	2/9/2023	40.273598	-104.994328
WH01-S@1	1	2/9/2023	40.273572	-104.994365
WH01-W@1	1	2/9/2023	40.273596	-104.994405
WH02-N@1	1	2/9/2023	40.273561	-104.994354
WH02-E@1	1	2/9/2023	40.273543	-104.994309
WH02-S@1	1	2/9/2023	40.273524	-104.994332
WH02-W@1	1	2/9/2023	40.273533	-104.994375
WH03-N@1	1	2/9/2023	40.273513	-104.994327
WH03-E@1	1	2/9/2023	40.273500	-104.994279
WH03-S@1	1	2/9/2023	40.273478	-104.994301
WH03-W@1	1	2/9/2023	40.273490	-104.994349
WH04-N@1	1	2/9/2023	40.273464	-104.994291
WH04-E@1	1	2/9/2023	40.273453	-104.994242
WH04-S@1	1	2/9/2023	40.273424	-104.994270
WH04-W@1	1	2/9/2023	40.273436	-104.994309
WH05-N@1	1	2/9/2023	40.273374	-104.994242
WH05-E@1	1	2/9/2023	40.273352	-104.994191
WH05-S@1	1	2/9/2023	40.273318	-104.994206
WH05-W@1	1	2/9/2023	40.273335	-104.994249
MH01@0.5	0.5	2/13/2023	40.273762	-104.994782
ECD01@0.5	0.5	2/13/2023	40.273666	-104.994904
ECD02@0.5	0.5	2/13/2023	40.273639	-104.994889
BKG02@5	5	4/3/2023	40.273407	-104.994988
BKG03@5	5	4/3/2023	40.273834	-104.994977

Notes:

ft-bgs - feet below ground surface

TABLE 2
Soil Analytical Results Summary Table - Organics
Margil 34A Production Facility and Wellheads, 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			
COGCC RSSL -->				1.2	490	5.8	58	2	30	27	500	500	500	500
COGCC GWSSL -->				0.0026	0.69	0.78	9.9	0.0038	0.0081	0.0087	500	500	500	500
AST01@1	1	2/6/2023	3.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
AST02@1	1	2/6/2023	3.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
AST03@1	1	2/6/2023	1.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
AST04@1.5	1.5	2/6/2023	5.9	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
AST05@1	1	2/6/2023	6.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
AST06@1.5	1.5	2/6/2023	3.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
PWV01@5	5	2/7/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	66	<50	66
PWV01-2@5	5	4/3/2023	1.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	77	<50	77
PWV02@5	5	2/7/2023	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WDL02@3	3	2/7/2023	0.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WDL01@3	3	2/7/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP01-DL@5	5	2/8/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP01-FL@5	5	2/8/2023	1.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP02-DL@4	4	2/8/2023	1.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP02-FL@5	5	2/8/2023	0.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP03-DL@4	4	2/8/2023	8.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP03-FL@5	5	2/8/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP04-DL@8	8	2/8/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP04-FL@5	5	2/8/2023	0.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP05-DL@4	4	2/8/2023	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP05-FL@5	5	2/8/2023	8.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP06-FL@5	5	2/8/2023	0.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
SEP06-DL@4	5	2/8/2023	1.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH01-S@4	4	2/8/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH02-S@4	4	2/8/2023	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH03-S@4	4	2/8/2023	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH04-S@4	4	2/8/2023	0.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH05-S@4	4	2/8/2023	0.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH01@8	8	2/9/2023	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH02@10	10	2/13/2023	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH03@8	8	2/9/2023	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH05@8	8	2/10/2023	1.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50
WH04@8	8	2/10/2023	2.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.0050	<0.0050	<0.50	<50	<50	<100.50

Notes:

GRO - Gasoline Range Organics	ppm - parts per million
DRO - Diesel Range Organics	COGCC - Colorado Oil and Gas Conservation Commission
ORO - Oil Range Organics	BTEXN - Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene
TPH - Total Petroleum Hydrocarbons	RSSL - Residential Soil Screening Level
PID - Photo Ionization Detector	GWSSL - Groundwater Soil Screening Level
TMB - Trimethylbenzene	< - indicates result is below the laboratory reporting limit
ft-bgs - feet below ground surface	mg/kg - milligrams per kilogram

TABLE 3
Soil Analytical Results Summary Table - PAHs
Margil 34A Production Facility and Wellheads, 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													
COGCC RSSL -->				360	1800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
COGCC 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
PWV01-2@5	5	4/3/2023	1.5	<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
PWV02@5	5	8/3/2023	NM	<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
WH01-S@4	4	8/3/2023	NM	<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
WH01-S@4	4	8/3/2023	NM	<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
WH01-S@4	4	8/3/2023	NM	<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
WH01-S@4	4	8/3/2023	NM	<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

Notes:

ft-bgs - feet below ground surface
 PID - Photo Ionization Detector
 ppm - parts per million
 mg/kg - milligrams per kilogram

COGCC - Colorado Oil and Gas Conservation Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 < - indicates result is below the laboratory reporting limit

TABLE 4
Soil Analytical Results Summary Table - Inorganics
Margil 34A Production Facility and Wellheads. 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									
COGCC RSSL -->				<4	<6	6.0 - 8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
COGCC 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 Average Background				NA	NA	NA	NA	6.84	127.5	NA	NA	NA	NA	NA	NA	NA	NA
PWV01@5	5	2/7/2023	0.3	0.342	0.123	7.71	0.127										
PWV02@5	5	2/7/2023	0.5	0.299	0.287	7.85	0.0866										
PWV01-2@5	5	4/3/2023	1.5	0.508	0.801	7.98	0.129	6.03	87.4	0.163	<0.30	5.22	9.51	5.92	<0.260	0.0476	26.6
WH01-S@4	4	2/8/2023	0.3	0.298	0.495	8.19	0.157										
WH02-S@4	4	2/8/2023	0.0	0.285	0.717	8.18	0.145										
WH03-S@4	4	2/8/2023	0.3	0.330	0.959	8.18	0.325										
WH04-S@4	4	2/8/2023	0.2	1.47	1.87	7.83	0.118										
WH05-S@4	4	2/8/2023	0.1	0.330	1.14	8.26	0.237										
BKG02@5	5	4/3/2023	NA	0.341	1.15	8.20	0.343	5.24	130						<0.260		
BKG03@5	5	4/3/2023	NA	0.268	0.124	7.97	0.0152	5.71	73.9						<0.260		

Notes:

PID - Photo Ionization Detector
 EC - Electrical Conductivity
 SAR - Sodium adsorption ratio
 ft-bgs - feet below ground surface
 ppm - parts per million
 mg/l - milligrams per liter

COGCC - Colorado Oil and Gas Conservation Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 mmhos/cm - millimeters of mercury per centimeter
 Green- Above COGCC Table 915-1 GWSSL, representative of background levels