

TABLE 1
F25-496 FLOWLINE RELEASE
SOIL ANALYTICAL RESULTS
CAERUS OIL AND GAS LLC
PICEANCE BASIN, COLORADO

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	20200817-F25-496-POR @5.5'	20200817-F25-496-STOCKPILE	F25-E BACK-101310	F25-N BACK-101310	F25-SW BACK-101310	F25-W BACK-101310
Sample Date			8/17/2020	8/17/2020	10/13/2010	10/13/2010	10/13/2010	10/13/2010
Sample Matrix			POR	Stockpile	Background	Background	Background	Background
Arsenic	0.39	mg/kg	<1.00	1.34	5.1	3.9	3.9	3.4
Barium	15,000	mg/kg	925	1200	NA	NA	NA	NA
Cadmium	70	mg/kg	<0.500	<0.431	NA	NA	NA	NA
Chromium (III)	120,000	mg/kg	22.9	30.9	NA	NA	NA	NA
Chromium (VI)	23	mg/kg	<2.00	<2.00	NA	NA	NA	NA
Copper	3,100	mg/kg	16.1	18.1	NA	NA	NA	NA
Lead	400	mg/kg	12.9	12.7	NA	NA	NA	NA
Mercury	23	mg/kg	0.378	0.123	NA	NA	NA	NA
Nickel	1,600	mg/kg	15.2	17.1	NA	NA	NA	NA
Selenium	390	mg/kg	<2.00	<1.72	NA	NA	NA	NA
Silver	390	mg/kg	<1.00	<0.862	NA	NA	NA	NA
Zinc	23,000	mg/kg	45.2	40.0	NA	NA	NA	NA
EC	4 or 2x background	mmhos/cm	0.295	0.245	NA	NA	NA	NA
pH	6-9	SU	8.90	9.07	NA	NA	NA	NA
SAR	12	unitless	3.11	1.79	NA	NA	NA	NA
TPH-DRO			73.6	24.9	NA	NA	NA	NA
TPH-GRO			0.263	<0.100	NA	NA	NA	NA
TPH	500	mg/kg	73.863	24.9	NA	NA	NA	NA
Benzene	0.17	mg/kg	<0.00100	<0.00100	NA	NA	NA	NA
Toluene	85	mg/kg	<0.00500	<0.00500	NA	NA	NA	NA
Ethylbenzene	100	mg/kg	<0.00250	<0.00250	NA	NA	NA	NA
Total Xylenes	175	mg/kg	<0.00650	<0.00650	NA	NA	NA	NA
Acenaphthene	1,000	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Anthracene	1,000	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Benz(a)anthracene	0.22	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Benzo(b)fluoranthene	0.22	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Benzo(k)fluoranthene	2.2	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Benzo(a)pyrene	0.022	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Chrysene	22	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.022	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Fluoranthene	1,000	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Fluorene	1,000	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA
Naphthalene	23	mg/kg	<0.0200	<0.0200	NA	NA	NA	NA
Pyrene	1,000	mg/kg	<0.00600	<0.00600	NA	NA	NA	NA

Notes:
< - less than the stated reporting limit
Highlight - indicates result exceeds the COGCC concentration level
COGCC - Colorado Oil and Gas Conservation Commission
EC - electrical conductivity
mg/kg - milligrams per kilogram
mmhos/cm - millimhos per centimeter
NA - not analyzed
ND - non detect
SAR - sodium adsorption ratio
SU - standard unit
TPH-GRO - total petroleum hydrocarbons-gasoline range organics
TPH-DRO - total petroleum hydrocarbons-diesel range organics
TPH - combination of TPH-GRO and TPH-DRO