

**Citation Oil Gas Corp.
Arapahoe Unit 151
Attachment C - Sampling Summary**

Table 915-1		Sample Type	Background		Agronomy Samples		
		Sample ID	SS_BG_01	SS_BG_02	SS_01	SS_02	SS_03
		Depth - BGS (inches)	72	36	72	72	72
		Sample Date	7/18/2022				
Soil Suitability for Reclamation	RSSL	Units					
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	0.36	0.18	5.16	4.17	3.63
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.55	0.34	0.26	0.68	0.77
pH	6.0-8.3	su	9.54	9.14	8.01	7.99	8.16
Boron (Hot Water Soluble)	2	mg/l	1.38	0.85	1.20	1.18	0.85
Metals in Soils							
Arsenic	0.68	mg/kg	0.008	ND	0.01	0.014	ND
Iron	NA	ppm	ND	ND	ND	ND	ND
Manganese	NA	ppm	ND	ND	ND	ND	ND
Copper	3,100	mg/kg	ND	0.032	ND	ND	ND
Magnesium	NA	ppm	606	939	663	1145	1086
Magnesium	NA	%	23.4	30.1	19.8	29.5	31.2
Selenium	NA	%	ND	ND	ND	ND	ND
Zinc	23,000	mg/kg	ND	ND	ND	ND	ND
Soil Agronomy Parameters							
		Units					
Lime Estimate	NA	High or Low	High	Low	High	High	High
Organic Matter (LOI)	NA	%	1.45	3.08	2.03	2.16	1.84
Ammonium NH4	NA	ppm	<0.001	3.34	3.47	7.84	7.13
Nitrate NO3	NA	ppm	2.98	5.99	10.01	5.21	7.10
Phosphorus	NA	ppm	ND	ND	ND	ND	0.275
Sulfate Sulfur	NA	ppm	28.86	4.40	58.23	44.67	21.67
Calcium	NA	ppm	2810	3127	3807	3924	3366
Potassium	NA	ppm	764	839	1171	923	871
Sodium	NA	ppm	124	84	67	189	203
Notes							
Concentrations in red font exceed Table 915-1 RSSL standards			mg/kg - milligrams per kilogram				
LOI - Loss-On-Ignition			mmhos/cm - millimhos per centimeter				
OM - Organic Matter			SU - standard units				
RSSL = Residential Soil Screening Levels			NA - Not Analyzed				
ND - Non-detect - Analytical result is less than the reporting limit			BGS - Below Ground Surface				

**Citation Oil Gas Corp.
Arapahoe Unit 151
Attachment C - Sampling Summary**

Table 915-1		Sample Type	Background			Agronomy Samples								
		Sample ID	AU_151_SS_ BG_01@0-6"	AU_151_SS_ BG_01@6-12"	AU_151_SS_ BG_01@12-24"	AU_151_SS_ _01@0-6"	AU_151_SS_ _01@6-12"	AU_151_SS_ _01@12-24"	AU_151_SS_ _02@0-6"	AU_151_SS_ _02@6-12"	AU_151_SS_ _02@12-24"	AU_151_SS_ _03@0-6"	AU_151_SS_ _03@6-12"	AU_151_SS_ _03@12-24"
		Depth - BGS (inches)	0-6	6-12	12-24	0-6	6-12	12-24	0-6	6-12	12-24	0-6	6-12	12-24
		Sample Date	4/2/2025											
Soil Suitability for Reclamation	RSSL													
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	0.19	0.11	0.19	0.60	2.19	1.90	2.09	1.17	2.15	2.25	6.44	0.80
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.0	0.0	0.0	26.2	38.9	44.5	53.4	61.3	68.1	0.8	0.4	0.8
pH	6.0-8.3	su	8.2	8.9	8.7	9.6	8.6	9.6	9.0	10.0	9.5	6.4	5.4	8.2
Boron (Hot Water Soluble)	2	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals in Soils	RSSL													
Arsenic	0.68	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	ppm	1.62	1.37	1.13	3.09	3.25	1.04	2.64	2.03	1.05	27.40	5.22	1.06
Manganese	NA	ppm	1.61	1.16	0.87	2.58	2.36	0.91	1.82	1.19	0.91	8.19	40.06	5.38
Copper	3,100	mg/kg	0.42	0.46	0.33	0.49	0.47	0.36	0.54	0.56	0.34	0.49	0.48	0.29
Magnesium	NA	ppm	489	628	725	189	272	563	172	153	229	353	443	630
Magnesium	NA	%	14	21	31	5	5	11	3	4	5	12	11	17
Selenium	NA	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	23,000	mg/kg	0.53	0.18	0.25	2.01	0.86	0.18	0.84	0.25	0.06	2.12	0.36	0.16
Soil Agronomy Parameters														
		Units												
Lime Estimate	NA	High or Low	High	High	High	High	High	High	High	High	High	High	High	High
Organic Matter	NA	%	2.63	2.37	1.76	2.07	2.16	1.67	2.07	1.90	1.61	2.63	3.69	2.31
Ammonium NH4	NA	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate NO3	NA	ppm	10	15	11	87	65	29	219	128	74	211	472	475
Phosphorus	NA	ppm	14	5	1	13	9	4	16	4	1	22	8	8
Sulfate Sulfur	NA	ppm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	ppm	4505	3651	2387	3328	3667	3078	3221	2369	1690	3745	2736	3975
Potassium	NA	ppm	1245	711	677	1098	1211	1172	1232	909	1038	982	1604	1963
Sodium	NA	ppm	8	4	10	2388	4246	4456	5658	4640	5105	29	112	173
Concentrations in red font exceed Table 915-1 RSSL standards			mg/kg - milligrams per kilogram											
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