

Analytical Results Summary

PADCO LLC

Hydrocarbon Analysis Results

Sample Date	Sampled By	Soil Sample	Lab ID	Location	Sample Depth (inches)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylene (mg/kg)	1,2,4-Tri methyl benzene (mg/kg)	1,3,5-Tri methyl benzene (mg/kg)	Naphthalene (mg/kg)	pH
---	---	Table 915	---	---	---	---	---	---	500	1.2	490	5.8	58	30	27	2	6-8.3
5/9/2023	Lesair	G1-WHR	2305255-01	Riser at Well	~60"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.73
5/9/2023	Lesair	G1a	2305255-02	Steel to Fiberglass	~60"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.83
8/15/2023	Lesair	G1a1	2308364-01	Steel to Fiberglass	~66"	---	---	---	---	---	---	---	---	---	---	---	---
5/29/2023	Lesair	G1f	---	~250' Sample	~60"	ND	ND	ND	ND	---	---	---	---	---	---	---	---
5/9/2023	Lesair	G1b	2305255-03	Staining at Fiberglass Collar	~66"	ND	3,200	790	3,990	ND	ND	ND	ND	ND	ND	ND	7.36
5/9/2023	Lesair	G1b2	2305253-05	Staining at FG Collar (G1b)	~96"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.73
5/9/2023	Lesair	G1b-SWn	2305253-01	Side wall on N side of ditch	~60"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1b-SWs	2305253-02	Side wall on S side of ditch	~60"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1b-DE	2305253-03	10' East of G1b2 in ditch	~80"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1b-DW	2305253-04	10' West of G1b2 in ditch	~72"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1c	2305255-04	Fiberglass to Steel	~72"	1.3	600	79	680	ND	ND	ND	ND	ND	ND	ND	7.97
5/9/2023	Lesair	G1c2	2305254-04	Fiberglass to Steel (G1c)	~76"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.43
8/15/2023	Lesair	G1c5	2308368-01	Fiberglass to Steel (G1c)	~79"	---	---	---	---	---	---	---	---	---	---	---	7.92
5/9/2023	Lesair	G1c-SWn	2305254-05	Side wall on N side of ditch	~47"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1c-SWs	2305254-01	Side wall on S side of ditch	~44"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1c-DE	2305254-02	10' East of G1c2 in ditch	~75"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1c-DW	2305254-03	10' West of G1c2 in ditch	~75"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
5/9/2023	Lesair	G1-TRTR	2305255-05	Riser at Treater	~66"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.85

**NOTES:** Values shown in **red** exceed Table 915-1 "Protection of Groundwater" Soil Screening Levels

G1f sample point - Lesair performed a qualitative field sample analysis using a PID at ~250' (approximate mid-point of 475' flowline) with a resulting <5ppm void space reading.

G1b sample point - Lesair obtained a closing sample (G1b2) from ~96" bgl with a TPH reading of ND (non detect)

G1c sample point - Lesair obtained a closing sample (G1c2) from ~76" bgl with a TPH reading of ND (non detect)

G1c sample point - Lesair obtained a closing sample (G1c5) from ~79" bgl with a pH reading of 7.92

Analytical Results Summary

PADCO LLC

Soil Suitability for Reclamation Results

Sample Date	Sampled By	Soil Sample	Lab ID	Location	Sample Depth (inches)	Sodium Adsorption Ratio (SAR)	Specific Conductance (EC) (mmhos/cm)	% Solids	Boron (mg/l)	pH
---	---	Table 915	---	---	---	<6	<4	---	2	6-8.3
5/9/2023	Lesair	G1-WHR	2305255-01	Riser at Well	~60"	5.06	3.72	87.8	0.75	7.73
5/9/2023	Lesair	G1a	2305255-02	Steel to Fiberglass	~60"	4.47	2.26	86.5	5.84	7.83
8/15/2023	Lesair	G1a1	2308364-01	Steel to Fiberglass	~66"	---	---	---	0.31	---
5/29/2023	Lesair	G1f	---	~250' Sample	~60"	---	---	---	---	---
5/9/2023	Lesair	G1b	2305255-03	Staining at Fiberglass Collar	~66"	2.99	2.28	86.4	0.42	7.36
5/9/2023	Lesair	G1b2	2305253-05	Staining at FG Collar (G1b)	~96"	3.13	1.17	87.7	0.32	7.73
5/9/2023	Lesair	G1b-SWn	2305253-01	Side wall on N side of ditch	~60"	---	---	---	---	---
5/9/2023	Lesair	G1b-SWs	2305253-02	Side wall on S side of ditch	~60"	---	---	---	---	---
5/9/2023	Lesair	G1b-DE	2305253-03	10' East of G1b2 in ditch	~80"	---	---	---	---	---
5/9/2023	Lesair	G1b-DW	2305253-04	10' West of G1b2 in ditch	~72"	---	---	---	---	---
5/9/2023	Lesair	G1c	2305255-04	Fiberglass to Steel	~72"	4.01	0.76	88.1	0.50	7.97
5/9/2023	Lesair	G1c2	2305254-05	Fiberglass to Steel (G1c)	~76"	1.21	0.39	87.6	0.47	8.43
8/15/2023	Lesair	G1c5	2308368-01	Fiberglass to Steel (G1c)	~79"	---	---	---	---	7.92
5/9/2023	Lesair	G1c-SWn	2305254-01	Side wall on N side of ditch	~47"	---	---	---	---	---
5/9/2023	Lesair	G1c-SWs	2305254-02	Side wall on S side of ditch	~44"	---	---	---	---	---
5/9/2023	Lesair	G1c-DE	2305254-03	10' East of G1c2 in ditch	~75"	---	---	---	---	---
5/9/2023	Lesair	G1c-DW	2305254-04	10' West of G1c2 in ditch	~75"	---	---	---	---	---
5/9/2023	Lesair	G1-TRTR	2305255-05	Riser at Treater	~66"	5.62	1.67	85.0	0.47	7.85

**NOTES:** The 5.84 mg/l Boron result for sample 2305255-02 is uncharacteristic and is not thought to be a result of oil & gas operations.

G1a sample point - Lesair obtained a closing sample (G1a1) from ~66" bgl with a boron reading of 0.31 mg/l

G1c sample point - Lesair obtained a closing sample (G1c5) from ~79" bgl with a pH reading of 7.92

Metals Analysis Results

Sample Date	Sampled By	Soil Sample	Lab ID	Location	Sample Depth (inches)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (kg/mg)	Lead (kg/mg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	pH
---	---	Table 915	---	---	---	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370	6-8.3
8/15/2023	Erick	G1c5	2308368-01	Fiberglass to Steel (G1c)	~79"	1.58	171	ND	ND	ND	8.8	2.3	ND	0.082	8.1	7.92
3/22/2023	Lesair	A (backgrd)	2303554-01	East of Gulley Site	~6"	3.34	133	0.256	---	---	---	---	0.88	---	---	7.66
7/28/2023	Lesair	WTB-BG	2307586-01	East of Gulley Site	~12"	0.87	103	ND	ND	ND	7.2	2.5	0.32	0.032	7.5	7.00

**NOTES:** Background samples A and WTB-BG (located East of the Gulley flowline area) indicate native soil has high Arsenic, Barium, and Selenium composition.

Due to high background Arsenic and Barium concentrations, PADCO requests a NFA (no further action) regarding table 915 metals concentrations.