

State Seventy Holes P-4

NWNE Sec. 4-T4N-R62W

Facility ID: 433884

Remediation Project #: 36710

Excavation Summary Report and No Further Action Request

August 2024

Prepared by Tasman, Inc.



On behalf of Bonanza Creek Energy Operating Company, LLC



FIELD NOTES AND PHOTO LOG

Civitas Decommissioning Form




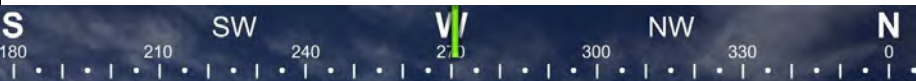


SITE NAME: State Seventy Holes P-4								DATE: 8/23/2024	REM. PROJECT #: 36710	WEATHER: Sunny, 90 (F)	
SITE DIRECTIONS: Canal Rd & Bridge Rd, SE 0.9 Mi, SSE 3 Mi, NE 0.2, N 0.2 Mi, E 0.6 Mi, NE 1.0 Mi, E 0.5 Mi, INTO								CLIENT: Bonanza Creek Energy			
LEGALS AND LAT/LONG: 40.348516, -104.326891								TASMAN PERSONNEL: Gabrielle Mather, Angela Kirylo			
SOIL TYPES: SM - silty sand								SURFACE GRADIENT: South			
SURROUNDING LAND USE: Rangeland								CROP: N/A			
SOIL SAMPLING								FACILITY INFRASTRUCTURE			
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo? (Y/N)	USCS	Lab (Y/N)	EQUIPMENT	Quantity		
								Above Ground Storage Tank (AST)			
8/23/2024 13:14	DL-N01@15'	0.3	No Staining	No Odor	Y	SM	Y	Produced Water Vessel (PWV)			
8/23/2024 13:16	DL-N02@15'	0.7	No Staining	No Odor	Y	SM	Y	Separator (SEP)			
8/23/2024 13:18	DL-N03@15'	0.1	No Staining	No Odor	Y	SM	Y	Emission Control Device (ECD)			
8/23/2024 13:20	DL-N04@15'	1.6	No Staining	No Odor	Y	SM	Y	Dump Line (DL)			
8/23/2024 13:22	DL-N05@15'	0.0	No Staining	No Odor	Y	SM	Y	Wellhead (WH)			
8/23/2024 13:24	DL-N06@15'	0.6	No Staining	No Odor	Y	SM	Y	Flowline (FL)			
8/23/2024 13:26	DL-S01@15'	3.6	No Staining	No Odor	Y	SM	Y	FL Method of Closure			
8/23/2024 13:28	DL-S02@15'	1.1	No Staining	No Odor	Y	SM	Y	FL Footage Removed			
8/23/2024 13:30	DL-S03@15'	3.3	No Staining	No Odor	Y	SM	Y	Footaged Abandoned in Place			
8/23/2024 13:32	DL-S04@15'	3.8	No Staining	No Odor	Y	SM	Y	Other:			
8/23/2024 13:34	DL-S05@15'	0.7	No Staining	No Odor	Y	SM	Y	Soil Loads Removed			
8/23/2024 13:36	DL-S06@15'	1.7	No Staining	No Odor	Y	SM	Y	IMPACTED SOIL IDENTIFIED? Yes			
8/23/2024 13:38	DL-S07@15'	5.3	No Staining	No Odor	Y	SM	Y	ESTIMATED VOLUME OF IMPACTS: See Below			
8/23/2024 13:40	DL-E01@15'	1.2	No Staining	No Odor	Y	SM	Y	Date	Number	CY	
8/23/2024 13:42	DL-E02@15'	0.3	No Staining	No Odor	Y	SM	Y	August 2024	1	7,750	
8/23/2024 13:44	DL-E03@15'	1.7	No Staining	No Odor	Y	SM	Y				
8/23/2024 13:46	DL-E04@15'	0.2	No Staining	No Odor	Y	SM	Y				
8/23/2024 13:48	DL-E05@15'	1.0	No Staining	No Odor	Y	SM	Y				
8/23/2024 13:50	DL-W01@15'	1.1	No Staining	No Odor	Y	SM	Y	Total Removed	1	7,750	
8/23/2024 13:52	DL-W02@15'	8.7	No Staining	No Odor	Y	SM	Y	Disposal Facility: Pawnee Waste			
8/23/2024 13:54	DL-W03@15'	3.5	No Staining	No Odor	Y	SM	Y	Groundwater Recovery			
8/26/2024 11:00	DL-B01@16'	0.0	No Staining	No Odor	Y	SM	Y	DATE GW ENCOUNTERED: N/A	DEPTH:		
8/26/2024 11:02	DL-B02@16'	0.1	No Staining	No Odor	Y	SM	Y	GROUNDWATER IN CONTACT WITH IMPACTED SOIL?			
8/26/2024 11:04	DL-B03@16'	2.5	No Staining	No Odor	Y	SM	Y				
8/26/2024 11:06	DL-B04@16'	0.4	No Staining	No Odor	Y	SM	Y	LNAPL OR SHEEN OBSERVED ON GW?			
GROUNDWATER SAMPLING								Date	BBLs		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?					
								Total Removed	0		
								Disposal Facility:			


Civitas Decommissioning Form







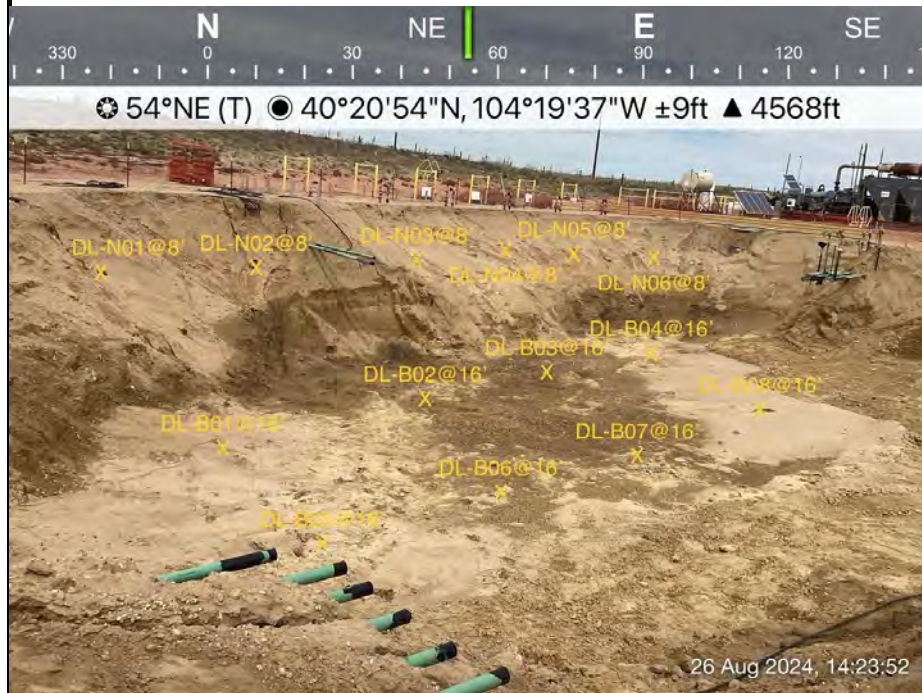

SOIL SAMPLING								Soil Loads Removed		
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo? (Y/N)	USCS	Lab (Y/N)	Date	Number	CY
8/26/2024 11:08	DL-B05@16'	0.4	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:10	DL-B06@16'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:12	DL-B07@16'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:14	DL-B08@16'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:16	DL-B09@16'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:18	DL-B10@16'	0.1	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:20	DL-B11@16'	0.2	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:22	DL-B12@16'	1.4	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:24	DL-N01@8'	0.1	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:26	DL-N02@8'	2.2	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:28	DL-N03@8'	2.4	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:30	DL-N04@8'	1.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:32	DL-N05@8'	0.3	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:34	DL-N06@8'	0.2	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:36	DL-S01@8'	1.6	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:38	DL-S02@8'	0.0	No Staining	No Odor	Y	SM	Y	Total Removed	1	7,750
8/26/2024 11:40	DL-S03@8'	0.0	No Staining	No Odor	Y	SM	Y	Disposal Facility: Pawnee Waste		
8/26/2024 11:42	DL-S04@8'	0.1	No Staining	No Odor	Y	SM	Y	Groundwater Recovery		
8/26/2024 11:44	DL-S05@8'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:46	DL-S06@8'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:48	DL-S07@8'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:50	DL-E01@8'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:52	DL-E02@8'	0.0	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:54	DL-E03@8'	0.1	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:56	DL-E04@8'	0.1	No Staining	No Odor	Y	SM	Y			
8/26/2024 11:58	DL-E05@8'	4.6	No Staining	No Odor	Y	SM	Y			
8/26/2024 12:00	DL-W01@8'	2.7	No Staining	No Odor	Y	SM	Y			
8/26/2024 12:02	DL-W02@8'	1.3	No Staining	No Odor	Y	SM	Y			
8/26/2024 12:04	DL-W03@8'	1.3	No Staining	No Odor	Y	SM	Y			
GROUNDWATER SAMPLING										
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
								Total Removed	0	
								Disposal Facility:		

<div> <div>W 270</div> <div>NW 300</div> <div>N 330</div> <div>NE 30</div> <div>E 60</div> <div>E 90</div> <div>E 90</div> <div>SE 120</div> <div>S 150</div> <div>S 180</div> <div>SW 210</div> <div>SW 240</div> <div>W 270</div> </div> <div> 1°N (T) ● 40°20'54"N, 104°19'37"W ±13ft ▲ 4568ft 177°S (T) ● 40°20'54"N, 104°19'37"W ±13ft ▲ 4568ft </div>							
 <div>23 Aug 2024, 14:01:17</div>			 <div>23 Aug 2024, 14:01:29</div>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:		Volume:		Material:		Volume:	
		Contents:				Contents:	
Notes/Conditions: Surrounding land use, facing N.				Notes/Conditions: Surrounding land use, facing S.			

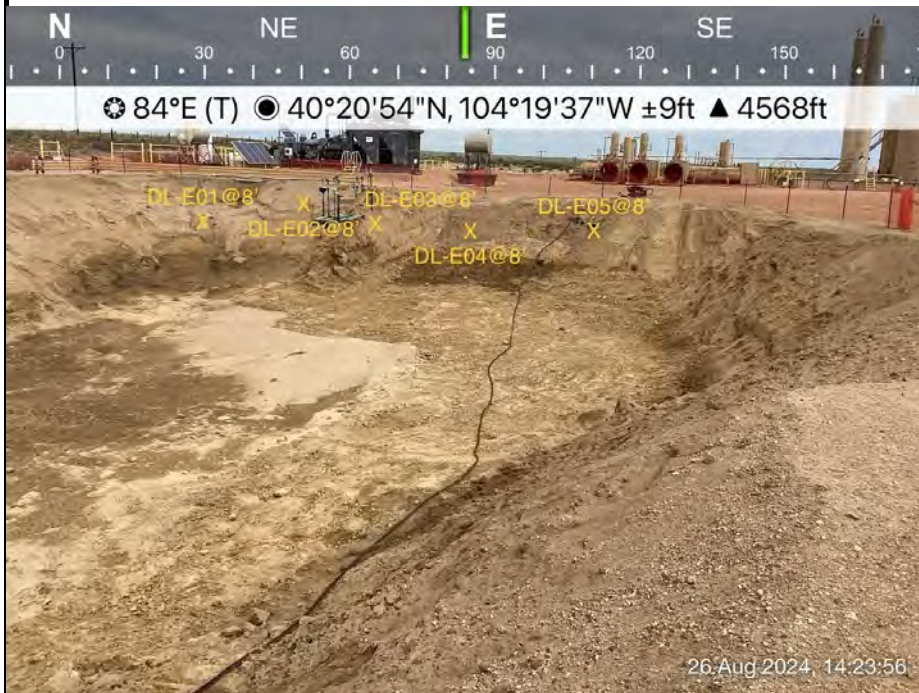

 <p>☀ 90°E (T) ● 40°20'54"N, 104°19'37"W ±13ft ▲ 4568ft</p>			 <p>☀ 271°W (T) ● 40°20'54"N, 104°19'37"W ±9ft ▲ 4568ft</p>				
 <p>23 Aug 2024, 14:01:34</p>			 <p>23 Aug 2024, 14:01:59</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Surrounding land use, facing E.				Notes/Conditions: Surrounding land use, facing W.			

<div> <div>NW 330 N 0 IE 60 E 90 SE 120</div> <div>☀ 43°NE (T) ● 40°20'54"N, 104°19'37"W ±13ft ▲ 4568ft</div> </div>	<div> <div>S 180 SW 210 W 240 NW 330</div> <div>☀ 254°W (T) ● 40°20'54"N, 104°19'35"W ±13ft ▲ 4572ft</div> </div>
 <p>23 Aug 2024, 14:02:22</p>	 <p>23 Aug 2024, 14:03:35</p>
Equipment ID:	Equipment ID:
Equipment Type:	Equipment Type:
Material:	Material:
Volume:	Volume:
Contents:	Contents:
Notes/Conditions: Soil sampling locations.	Notes/Conditions: Soil sampling locations.

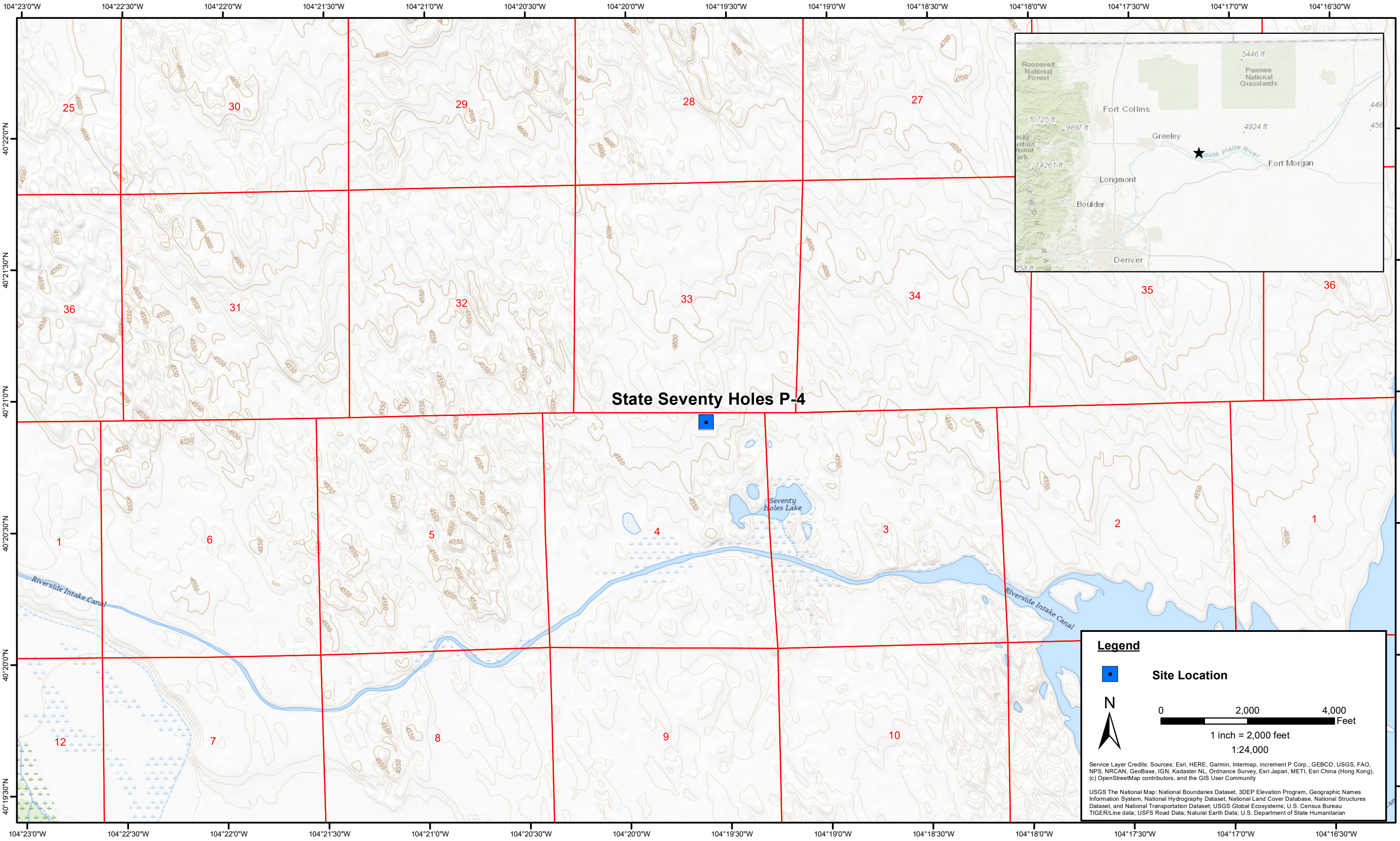
					
<p>☀ 82°E (T) ● 40°20'54"N, 104°19'37"W ±13ft ▲ 4569ft</p>			<p>☀ 289°W (T) ● 40°20'54"N, 104°19'35"W ±13ft ▲ 4572ft</p>		
 <p>23 Aug 2024, 14:02:31</p>			 <p>23 Aug 2024, 14:03:55</p>		
<p>Equipment ID:</p>			<p>Equipment ID:</p>		
<p>Equipment Type:</p>			<p>Equipment Type:</p>		
<p>Material:</p>	<p>Volume:</p>	<p>Contents:</p>	<p>Material:</p>	<p>Volume:</p>	<p>Contents:</p>
<p>Notes/Conditions: Soil sampling locations.</p>			<p>Notes/Conditions: Soil sampling locations.</p>		

 <p>54°NE (T) 40°20'54"N, 104°19'37"W ±9ft ▲ 4568ft</p> <p>26 Aug 2024, 14:23:52</p>			 <p>178°S (T) 40°20'55"N, 104°19'37"W ±9ft ▲ 4573ft</p> <p>26 Aug 2024, 14:24:30</p>			
						Equipment ID:
Material:		Volume:	Contents:		Notes/Conditions: Soil sampling locations.	
Equipment ID:			Equipment Type:			
Material:		Volume:	Contents:		Notes/Conditions: Soil sampling locations.	

Photographic Log

							
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling locations.				Notes/Conditions: Soil sampling locations.			

FIGURES



DATE:	October 2024
DESIGNED BY:	S. Vogt
DRAWN BY:	J. Woffinden



Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

Crestone Peak Resources Operating, LLC
State Seventy Holes P-4
NWNE Sec. 4-T4N-R62W
Weld County, Colorado

Site Location Map

Figure
1



DATE: October 21, 2024	 Tasman, Inc. 6855 W119th Ave. Broomfield, CO 80020	Bonanza Creek Energy Operating Company, LLC State Seventy Holes P-4 NWNE Sec. 4-T4N-R62W Weld County, Colorado	Soil Sample Location Map (08/23/2024 & 08/26/2024)	Figure 2
DESIGNED BY: S. Vogt				
DRAWN BY: L. Molson				

TABLES

TABLE 1
STATE SEVENTY HOLES P-4
SOIL SAMPLE LOCATIONS



BONANZA CREEK ENERGY OPERATING COMPANY, LLC

Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
DL-N01@15'	15'	08/23/2024	0.3	40.348597	-104.327068	0.8	Y
DL-N02@15'	15'	08/23/2024	0.7	40.348606	-104.326967	0.8	Y
DL-N03@15'	15'	08/23/2024	0.1	40.348618	-104.326916	0.8	Y
DL-N04@15'	15'	08/23/2024	1.6	40.348624	-104.326869	0.8	Y
DL-N05@15'	15'	08/23/2024	0.0	40.348623	-104.326820	0.8	Y
DL-N06@15'	15'	08/23/2024	0.6	40.348619	-104.326756	0.8	Y
DL-S01@15'	15'	08/23/2024	3.6	40.348416	-104.327155	0.8	Y
DL-S02@15'	15'	08/23/2024	1.1	40.348377	-104.327114	0.7	Y
DL-S03@15'	15'	08/23/2024	3.3	40.348363	-104.327060	0.7	Y
DL-S04@15'	15'	08/23/2024	3.8	40.348349	-104.327006	0.7	Y
DL-S05@15'	15'	08/23/2024	0.7	40.348324	-104.326918	0.7	Y
DL-S06@15'	15'	08/23/2024	1.7	40.348342	-104.326827	0.7	Y
DL-S07@15'	15'	08/23/2024	5.3	40.348359	-104.326757	0.7	Y
DL-E01@15'	15'	08/23/2024	1.2	40.348589	-104.326704	0.8	Y
DL-E02@15'	15'	08/23/2024	0.3	40.348531	-104.326695	0.7	Y
DL-E03@15'	15'	08/23/2024	1.7	40.348489	-104.326694	0.7	Y
DL-E04@15'	15'	08/23/2024	0.2	40.348434	-104.326689	0.7	Y
DL-E05@15'	15'	08/23/2024	1.0	40.348391	-104.326698	0.7	Y
DL-W01@15'	15'	08/23/2024	1.1	40.348579	-104.327125	0.8	Y
DL-W02@15'	15'	08/23/2024	8.7	40.348526	-104.327171	0.8	Y
DL-W03@15'	15'	08/23/2024	3.5	40.348469	-104.327193	0.8	Y
DL-B01@16'	16'	08/26/2024	0.0	40.348545	-104.327055	-	Y
DL-B02@16'	16'	08/26/2024	0.1	40.348537	-104.326941	-	Y
DL-B03@16'	16'	08/26/2024	2.5	40.348534	-104.326840	-	Y
DL-B04@16'	16'	08/26/2024	0.4	40.348532	-104.326755	-	Y
DL-B05@16'	16'	08/26/2024	0.4	40.348460	-104.327064	-	Y
DL-B06@16'	16'	08/26/2024	0.0	40.348458	-104.326958	-	Y
DL-B07@16'	16'	08/26/2024	0.0	40.348453	-104.326850	-	Y
DL-B08@16'	16'	08/26/2024	0.0	40.348438	-104.326760	-	Y
DL-B09@16'	16'	08/26/2024	0.0	40.348391	-104.327055	-	Y
DL-B10@16'	16'	08/26/2024	0.1	40.348371	-104.326957	-	Y
DL-B11@16'	16'	08/26/2024	0.2	40.348369	-104.326848	-	Y
DL-B12@16'	16'	08/26/2024	1.4	40.348381	-104.326763	-	Y
DL-N01@8'	8'	08/26/2024	0.1	40.348597	-104.327068	0.8	Y
DL-N02@8'	8'	08/26/2024	2.2	40.348606	-104.326967	0.8	Y

TABLE 1
STATE SEVENTY HOLES P-4
SOIL SAMPLE LOCATIONS



BONANZA CREEK ENERGY OPERATING COMPANY, LLC

Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
DL-N03@8'	8'	08/26/2024	2.4	40.348618	-104.326916	0.8	Y
DL-N04@8'	8'	08/26/2024	1.0	40.348624	-104.326869	0.8	Y
DL-N05@8'	8'	08/26/2024	0.3	40.348623	-104.326820	0.8	Y
DL-N06@8'	8'	08/26/2024	0.2	40.348619	-104.326756	0.8	Y
DL-S01@8'	8'	08/26/2024	1.6	40.348416	-104.327155	0.8	Y
DL-S02@8'	8'	08/26/2024	0.0	40.348377	-104.327114	0.7	Y
DL-S03@8'	8'	08/26/2024	0.0	40.348363	-104.327060	0.7	Y
DL-S04@8'	8'	08/26/2024	0.1	40.348349	-104.327006	0.7	Y
DL-S05@8'	8'	08/26/2024	0.0	40.348324	-104.326918	0.7	Y
DL-S06@8'	8'	08/26/2024	0.0	40.348342	-104.326827	0.7	Y
DL-S07@8'	8'	08/26/2024	0.0	40.348359	-104.326757	0.7	Y
DL-E01@8'	8'	08/26/2024	0.0	40.348589	-104.326704	0.8	Y
DL-E02@8'	8'	08/26/2024	0.0	40.348531	-104.326695	0.7	Y
DL-E03@8'	8'	08/26/2024	0.1	40.348489	-104.326694	0.7	Y
DL-E04@8'	8'	08/26/2024	0.1	40.348434	-104.326689	0.7	Y
DL-E05@8'	8'	08/26/2024	4.6	40.348391	-104.326698	0.7	Y
DL-W01@8'	8'	08/26/2024	2.7	40.348579	-104.327125	0.8	Y
DL-W02@8'	8'	08/26/2024	1.3	40.348526	-104.327171	0.8	Y
DL-W03@8'	8'	08/26/2024	1.3	40.348469	-104.327193	0.8	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

TABLE 2
STATE SEVENTY HOLES P-4
SOIL ANALYTICAL DATA - VOCs
BONANZA CREEK ENERGY OPERATING COMPANY, LLC

Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
DL-N01@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N02@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N03@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N04@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N05@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N06@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S01@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S02@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S03@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S04@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S05@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S06@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S07@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E01@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E02@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E03@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E04@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E05@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-W01@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-W02@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-W03@15'	15'	08/23/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B01@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B02@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B03@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500

TABLE 2
STATE SEVENTY HOLES P-4
SOIL ANALYTICAL DATA - VOCs
BONANZA CREEK ENERGY OPERATING COMPANY, LLC

Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
DL-B04@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B05@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B06@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B07@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B08@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B09@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B10@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B11@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-B12@16'	16'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N01@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N02@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N03@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N04@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N05@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-N06@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S01@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S02@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S03@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S04@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S05@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S06@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-S07@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E01@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E02@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500

TABLE 2
STATE SEVENTY HOLES P-4
SOIL ANALYTICAL DATA - VOCs
BONANZA CREEK ENERGY OPERATING COMPANY, LLC

Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
DL-E03@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E04@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-E05@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-W01@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-W02@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500
DL-W03@8'	8'	08/26/2024	<0.00200	<0.00500	<0.00500	<0.0100	<0.00408	<0.500	<50	<50	<0.00500	<0.00500

Notes:

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

TVPH - GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH - DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH - ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4 - TMB = 1,2,4 - Trimethylbenzene

1,3,5 - TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 standard



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
DL-N01@15'	15'	08/23/2024	<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
DL-N02@15'	15'	08/23/2024	<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
DL-N03@15'	15'	08/23/2024	<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
DL-N04@15'	15'	08/23/2024	<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
DL-N05@15'	15'	08/23/2024	<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
DL-N06@15'	15'	08/23/2024	<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
DL-S01@15'	15'	08/23/2024	<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
DL-S02@15'	15'	08/23/2024	<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
DL-S03@15'	15'	08/23/2024	<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
DL-S04@15'	15'	08/23/2024	<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
DL-S05@15'	15'	08/23/2024	<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
DL-S06@15'	15'	08/23/2024	<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
DL-S07@15'	15'	08/23/2024	<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
DL-E01@15'	15'	08/23/2024	<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
DL-E02@15'	15'	08/23/2024	<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
DL-E03@15'	15'	08/23/2024	<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
DL-E04@15'	15'	08/23/2024	<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
DL-E05@15'	15'	08/23/2024	<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
DL-W01@15'	15'	08/23/2024	<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
DL-W02@15'	15'	08/23/2024	<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
DL-W03@15'	15'	08/23/2024	<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
DL-B01@16'	16'	08/26/2024	<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
DL-B02@16'	16'	08/26/2024	<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
DL-B03@16'	16'	08/26/2024	<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
DL-B04@16'	16'	08/26/2024	<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



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
DL-B05@16'	16'	08/26/2024	<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
DL-B06@16'	16'	08/26/2024	<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
DL-B07@16'	16'	08/26/2024	<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
DL-B08@16'	16'	08/26/2024	<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
DL-B09@16'	16'	08/26/2024	<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
DL-B10@16'	16'	08/26/2024	<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
DL-B11@16'	16'	08/26/2024	<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
DL-B12@16'	16'	08/26/2024	<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
DL-N01@8'	8'	08/26/2024	<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
DL-N02@8'	8'	08/26/2024	<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
DL-N03@8'	8'	08/26/2024	<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
DL-N04@8'	8'	08/26/2024	<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
DL-N05@8'	8'	08/26/2024	<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
DL-N06@8'	8'	08/26/2024	<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
DL-S01@8'	8'	08/26/2024	<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
DL-S02@8'	8'	08/26/2024	<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
DL-S03@8'	8'	08/26/2024	<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
DL-S04@8'	8'	08/26/2024	<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
DL-S05@8'	8'	08/26/2024	<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
DL-S06@8'	8'	08/26/2024	<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
DL-S07@8'	8'	08/26/2024	<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
DL-E01@8'	8'	08/26/2024	<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
DL-E02@8'	8'	08/26/2024	<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
DL-E03@8'	8'	08/26/2024	<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
DL-E04@8'	8'	08/26/2024	<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

TABLE 3
STATE SEVENTY HOLES P-4
SOIL ANALYTICAL DATA - PAHs
BONANZA CREEK ENERGY OPERATING COMPANY, LLC

Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
DL-E05@8'	8'	08/26/2024	<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
DL-W01@8'	8'	08/26/2024	<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
DL-W02@8'	8'	08/26/2024	<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
DL-W03@8'	8'	08/26/2024	<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:

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenzo(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations