

# North Rinn SWSW Multi Well Pad 1

SWSW, Sec 9, T2N, R68W, 6PM

Facility ID: 424105

Remediation Project #: 35962

Decommissioning Package

Prepared by Quandary Consultants, Inc.



On behalf of Crestone Peak Resources Operating, LLC



## **FIELD NOTES AND PHOTO LOG**

# Decommissioning Field Form

## Background Assessment



SITE NAME: North Rinn SWSW Multi Well Pad 1						Date: 9/30/2024		REM. PROJECT # 35962		WEATHER: Sunny, clear	
SITE DIRECTIONS: From CR20 1/2 & Aggregate Blvd travel west 0.5 mile, north 0.75 mile, West 0.25 mile, south into location.						CLIENT: Cresone Peak Resources Operating, LLC					
LAT/LONG: 40.149140, -105.013520						PERSONNEL: Ruffin Henry and Ryan Shaw					
SURROUNDING LAND USE: Ranch Land						SURFACE GRADIENT: West					
SOIL TYPE: Silty Sand											
						Observations					
Sample I.D.	Approx. Depth (ft. bgs)	Date	Time	Soil Type	PID (ppm)	Visual (Y/N)	Olfactory (Y/N)	Photo (Y/N)	Lab (Y/N)	Latitude	Longitude
2-4-9-WH-B01@5'	5	9/30/2024	12:00	Silt	5.1	N	N	Y	Y	40.149230	-105.013537
2-4-9-WH-N01@4'	4	9/30/2024	12:01	Silt	1.2	N	N	Y	N	40.149243	-105.013537
2-4-9-WH-E01@4'	4	9/30/2024	12:02	Sand	1.3	N	N	Y	N	40.149234	-105.013515
2-4-9-WH-W01@4'	4	9/30/2024	12:03	Silt	298.7	N	N	Y	Y	40.149235	-105.013554
13-9-WH-B01@5'	5	9/30/2024	12:04	Sand	1.8	N	N	Y	Y	40.149211	-105.013547
13-9-WH-E01@4'	4	9/30/2024	12:05	Silty Sand	7.3	N	N	Y	N	40.149212	-105.013506
13-9-WH-W01@4'	4	9/30/2024	12:06	Silty Sand	4.6	N	N	Y	N	40.149207	-105.013560
0-4-9-WH-B01@5'	5	9/30/2024	12:07	Silty Sand	48.7	N	Y	Y	Y	40.149177	-105.013536
0-4-9-WH-E01@4'	4	9/30/2024	12:08	Silty Sand	2.3	N	N	Y	N	40.149178	-105.013506
0-4-9-WH-W01@4'	4	9/30/2024	12:09	Silty Sand	0.7	N	N	Y	N	40.149179	-105.013555
0-6-9-WH-B01@5'	5	9/30/2024	12:10	Silty Sand	0.9	N	N	Y	Y	40.149150	-105.013537
0-6-9-WH-E01@4'	4	9/30/2024	12:11	Silty Sand	1	N	N	Y	N	40.149155	-105.013505
0-6-9-WH-W01@4'	4	9/30/2024	12:12	Sand	1.2	N	N	Y	N	40.149156	-105.013560
2-6-9-WH-B01@5'	5	9/30/2024	12:13	Silty Sand	25.8	N	Y	Y	Y	40.149124	-105.013536
2-6-9-WH-E01@4'	4	9/30/2024	12:14	Silty Sand	3.8	N	N	Y	N	40.149129	-105.013513
2-6-9-WH-W01@4'	4	9/30/2024	12:15	Sandy Silt	7.1	N	N	Y	N	40.149129	-105.013557
0-8-9-WH-B01@5'	5	9/30/2024	12:16	Sandy Silt	4.4	N	N	Y	Y	40.149095	-105.013536
0-8-9-WH-E01@4'	4	9/30/2024	12:17	Sandy Silt	1.2	N	N	Y	N	40.149090	-105.013499
0-8-9-WH-W01@4'	4	9/30/2024	12:18	Silty Sand	1.5	N	N	Y	N	40.149101	-105.013558
24-9-WH-B01@5'	5	9/30/2024	12:19	Silty Sand	16.7	N	N	Y	Y	40.149073	-105.013536
24-9-WH-E01@4'	4	9/30/2024	12:20	Sand	0.8	N	N	Y	N	40.149072	-105.013505
24-9-WH-W01@4'	4	9/30/2024	12:21	Sand	1.4	N	N	Y	N	40.149080	-105.013555
14-9-WH-B01@5'	5	9/30/2024	12:23	Sand	1.4	N	N	Y	Y	40.149041	-105.013529
14-9-WH-S01@4'	4	9/30/2024	12:24	Sand	1.7	N	N	Y	N	40.149027	-105.013524
14-9-WH-E01@4'	4	9/30/2024	12:25	Sand	1.0	N	N	Y	N	40.149043	-105.013500
14-9-WH-W01@4'	4	9/30/2024	12:26	Sand	0.8	N	N	Y	N	40.149044	-105.013550
2-4-9-WHS-N01@3"	0.25	9/30/2024	12:27	Road base	0.7	N	N	Y	N	40.149269	-105.013542
2-4-9-WHS-E01@3"	0.25	9/30/2024	12:28	Road base	0.9	N	N	Y	N	40.149234	-105.013500
2-4-9-WHS-W01@3"	0.25	9/30/2024	12:29	Road base	1.2	N	N	Y	N	40.149236	-105.013589
13-9-WHS-E01@3"	0.25	9/30/2024	12:30	Road base	0.7	N	N	Y	N	40.149211	-105.013468
13-9-WHS-W01@3"	0.25	9/30/2024	12:31	Road base	0.3	N	N	Y	N	40.149208	-105.013594
0-4-9-WHS-E01@3"	0.25	9/30/2024	12:32	Road base	1.0	N	N	Y	N	40.149181	-105.013467
0-4-9-WHS-W01@3"	0.25	9/30/2024	12:33	Road base	0.9	N	N	Y	N	40.149181	-105.013588
0-6-9-WHS-E01@3"	0.25	9/30/2024	12:34	Road base	0.5	N	N	Y	N	40.149159	-105.013467
0-6-9-WHS-W01@3"	0.25	9/30/2024	12:35	Road base	0.4	N	N	Y	N	40.149153	-105.013590
2-6-9-WHS-E01@3"	0.25	9/30/2024	12:36	Road base	1.0	N	N	Y	N	40.149131	-105.013466
2-6-9-WHS-W01@3"	0.25	9/30/2024	12:37	Road base	0.9	N	N	Y	N	40.149127	-105.013596
0-8-9-WHS-E01@3"	0.25	9/30/2024	12:38	Road base	0.7	N	N	Y	N	40.149104	-105.013468
0-8-9-WHS-W01@3"	0.25	9/30/2024	12:39	Road base	0.7	N	N	Y	N	40.149095	-105.013596
24-9-WHS-E01@3"	0.25	9/30/2024	12:40	Road base	0.6	N	N	Y	N	40.149073	-105.013470
24-9-WHS-W01@3"	0.25	9/30/2024	12:41	Road base	0.4	N	N	Y	N	40.149076	-105.013594
14-9-WHS-E01@3"	0.25	9/30/2024	12:42	Road base	0.7	N	N	Y	N	40.149039	-105.013473
14-9-WHS-W01@3"	0.25	9/30/2024	12:43	Road base	0.8	N	N	Y	N	40.149043	-105.013593
14-9-WHS-S01@3"	0.25	9/30/2024	12:44	Road base	0.8	N	N	Y	N	40.148996	-105.013530
2-4-9-FL-B01@4'	4	9/30/2024	12:45	Sand	5.7	N	N	Y	Y	40.149231	-105.013527
13-9-FL-B01@4'	4	9/30/2024	12:46	Sand	2.7	N	N	Y	Y	40.149216	-105.013527
0-4-9-FL-B01@4'	4	9/30/2024	12:47	Sand	3.7	N	N	Y	Y	40.149190	-105.013516
0-6-9-FL-B01@4'	4	9/30/2024	12:48	Sand	4.1	N	N	Y	Y	40.149166	-105.013515
2-6-9-FL-B01@4'	4	9/30/2024	12:49	Sand	1.2	N	N	Y	Y	40.149145	-105.013514
0-8-9-FL-B01@4'	4	9/30/2024	12:50	Sand	59.4	Y	N	Y	Y	40.149108	-105.013514
24-9-FL-B01@4'	4	9/30/2024	12:51	Sand	3.3	N	N	Y	Y	40.149079	-105.013515
14-9-FL-B01@4'	4	9/30/2024	12:52	Sand	2.9	N	N	Y	Y	40.149060	-105.013516

# Decommissioning Field Form

## Background Assessment



						Observations					
Sample I.D.	Approx. Depth (ft. bgs)	Date	Time	Soil Type	PID (ppm)	Visual (Y/N)	Olfactory (Y/N)	Photo (Y/N)	Lab (Y/N)	Latitude	Longitude
WH-BG01@3'	3	9/30/2024	12:53	Sand	0.3	N	N	N	Y	40.149456	-105.013610
WH-BG01@6'	6	9/30/2024	12:54	Sand	0.5	N	N	N	Y	40.149456	-105.013610
WH-BG02@3'	3	9/30/2024	12:55	Sand	0.3	N	N	N	Y	40.149100	-105.013293
WH-BG02@6'	6	9/30/2024	12:56	Sand	0.3	N	N	N	Y	40.149100	-105.013293
WH-BG03@3'	3	9/30/2024	12:57	Sand	0.2	N	N	N	Y	40.148894	-105.013596
WH-BG03@6'	6	9/30/2024	12:58	Sand	0.1	N	N	N	Y	40.148894	-105.013596
WH-BG04@3'	3	9/30/2024	12:59	Sand	0.0	N	N	N	Y	40.149131	-105.013818
WH-BG04@6'	6	9/30/2024	13:00	Sand	0.3	N	N	N	Y	40.149131	-105.013818

Groundwater	
Date Encountered: NA	Depth: NA
GW Contact w/ Impacted Soil (Y/N)	NA
LNAPL or Sheen (Y/N)	NA
Sample I.D.(s):	NA
Photo (Y/N)	NA

Material Management	
# Test Pits/Boreholes	5
Material Backfilled in Place (Y/N)	Y
Volume Soil Removed (cy)	N
Name of Disposal Facility	NA

Sample ID Designations	
Wellhead	WH
Wellhead Surface	WHS
Flowline	FL
Background	BG

### Notes:

ft. bgs = feet below ground surface

PID = photoionization detector

ppm = parts per million

cy = cubic yards

Visual - if Yes, indicate staining (S) or free product (FP)

Olfactory - if Yes, indicates presence of hydrocarbon odor.

LNAPL = Light non-aqueous phase liquid

NA - Not applicable

Wellhead ID Designations		Wellhead API
North Rinn 2-4-9	2-4-9	05-123-33886
North Rinn 13-9	13-9	05-123-33892
North Rinn 0-4-9	0-4-9	05-123-33893
North Rinn 0-6-9	0-6-9	05-123-33891
North Rinn 2-6-9	2-6-9	05-123-33894
North Rinn 0-8-9	0-8-9	05-123-33890
North Rinn 24-9	24-9	05-123-33896
North Rinn 14-9	14-9	05-123-33895



## Photographic Log





## Photographic Log





## Photographic Log





Photographic Log





## Photographic Log



☼ 242°SW (T) ● 40°8'57"N, 105°0'48"W ±13ft ▲ 4858ft

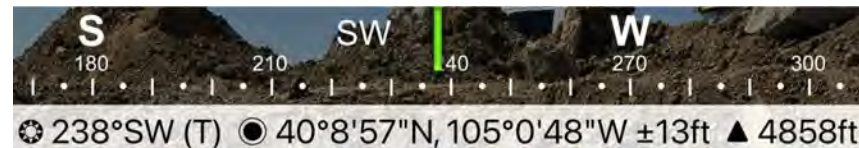


☼ 73°E (T) ● 40°8'57"N, 105°0'48"W ±13ft ▲ 4854ft



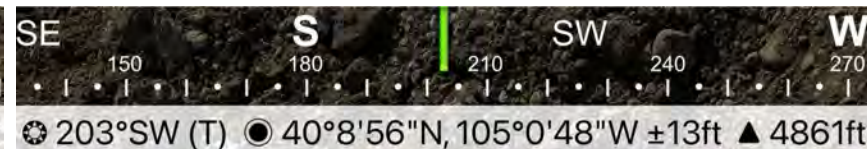
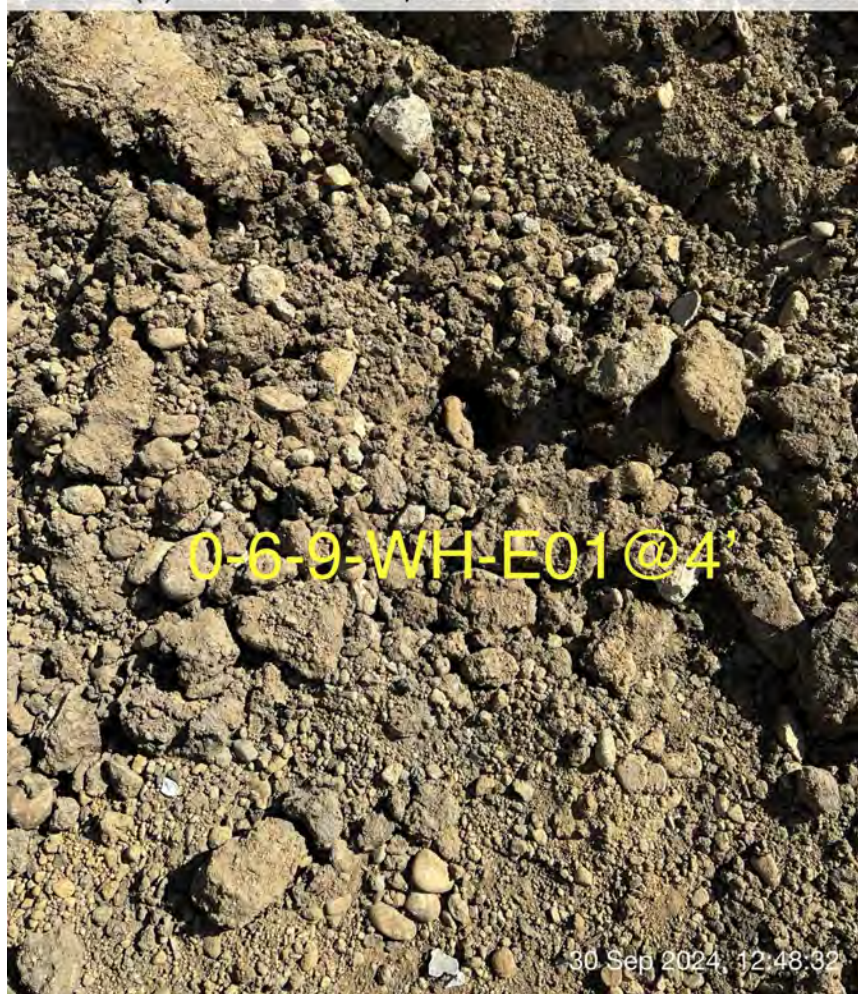


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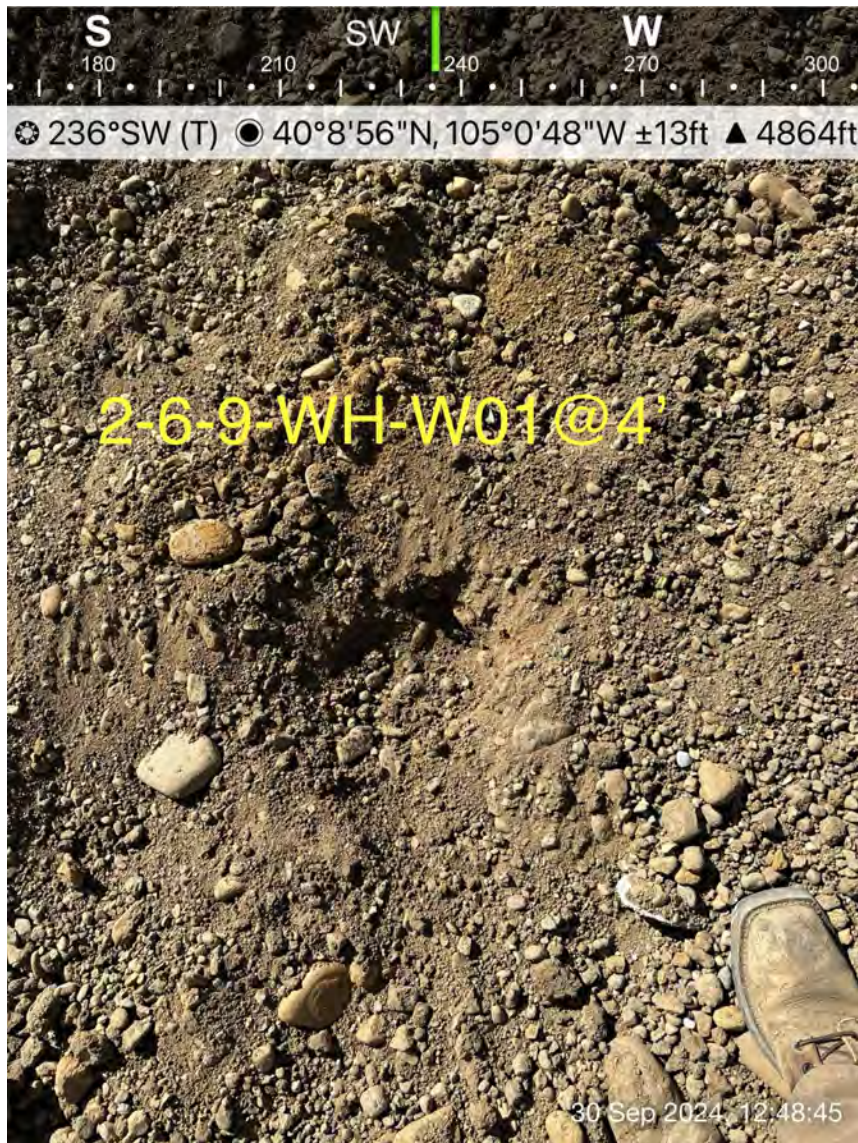


Photographic Log





Photographic Log





**Photographic Log**



☉ 179°S (T) ☉ 40°8'56"N, 105°0'48"W ±13ft ▲ 4859ft



☉ 253°W (T) ☉ 40°8'56"N, 105°0'48"W ±13ft ▲ 4861ft





Photographic Log





## Photographic Log



☉ 236°SW (T) ☉ 40°8'56"N, 105°0'48"W ±13ft ▲ 4863ft

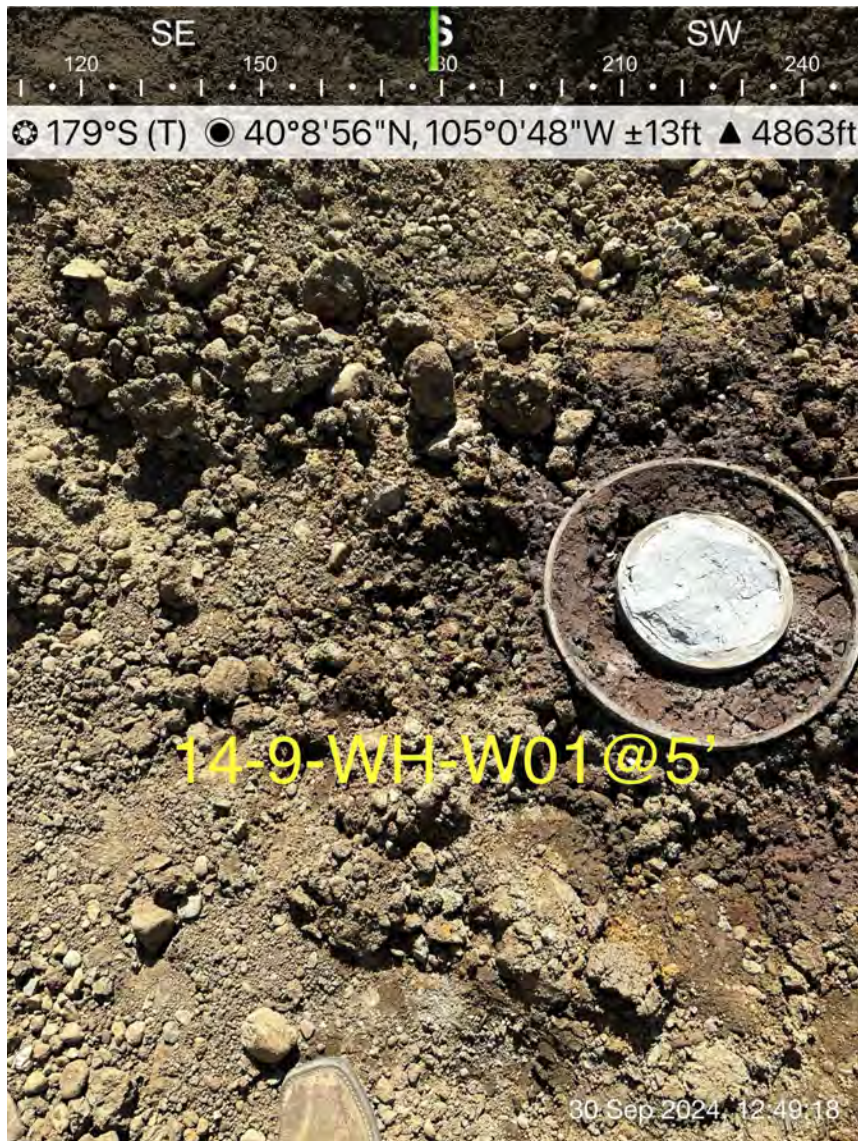


☉ 94°E (T) ☉ 40°8'56"N, 105°0'48"W ±13ft ▲ 4863ft





Photographic Log



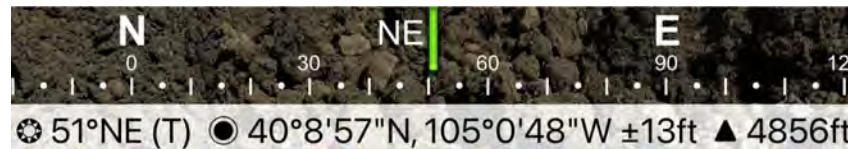


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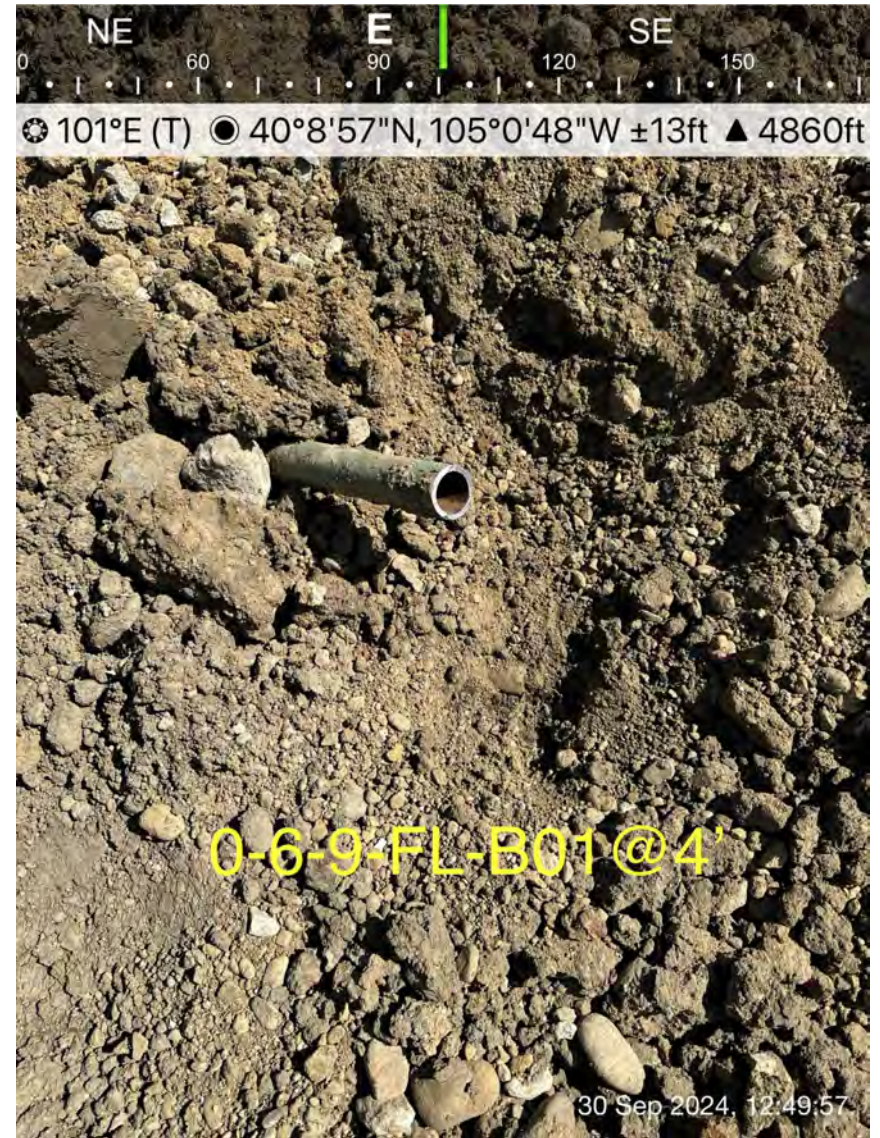


## Photographic Log





Photographic Log





## Photographic Log

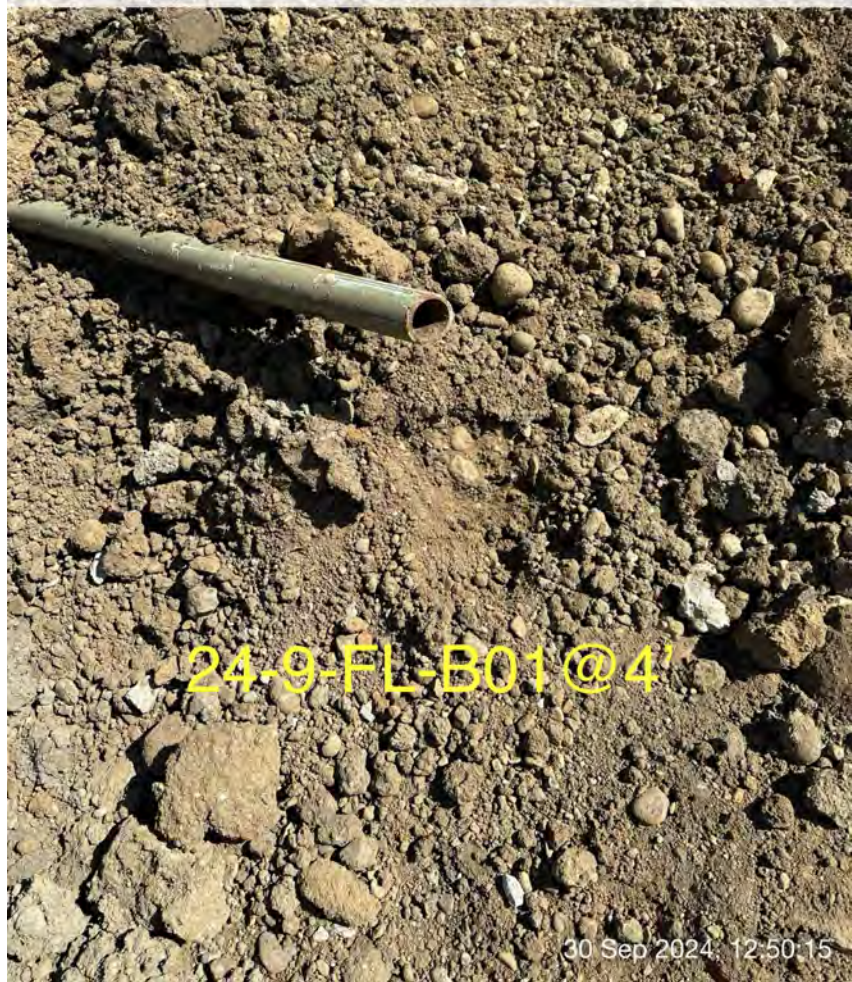




Photographic Log



☉ 107°E (T) ☉ 40°8'56"N, 105°0'48"W ±13ft ▲ 4864ft



☉ 89°E (T) ☉ 40°8'56"N, 105°0'48"W ±13ft ▲ 4865ft





## Photographic Log





## Photographic Log





## Photographic Log



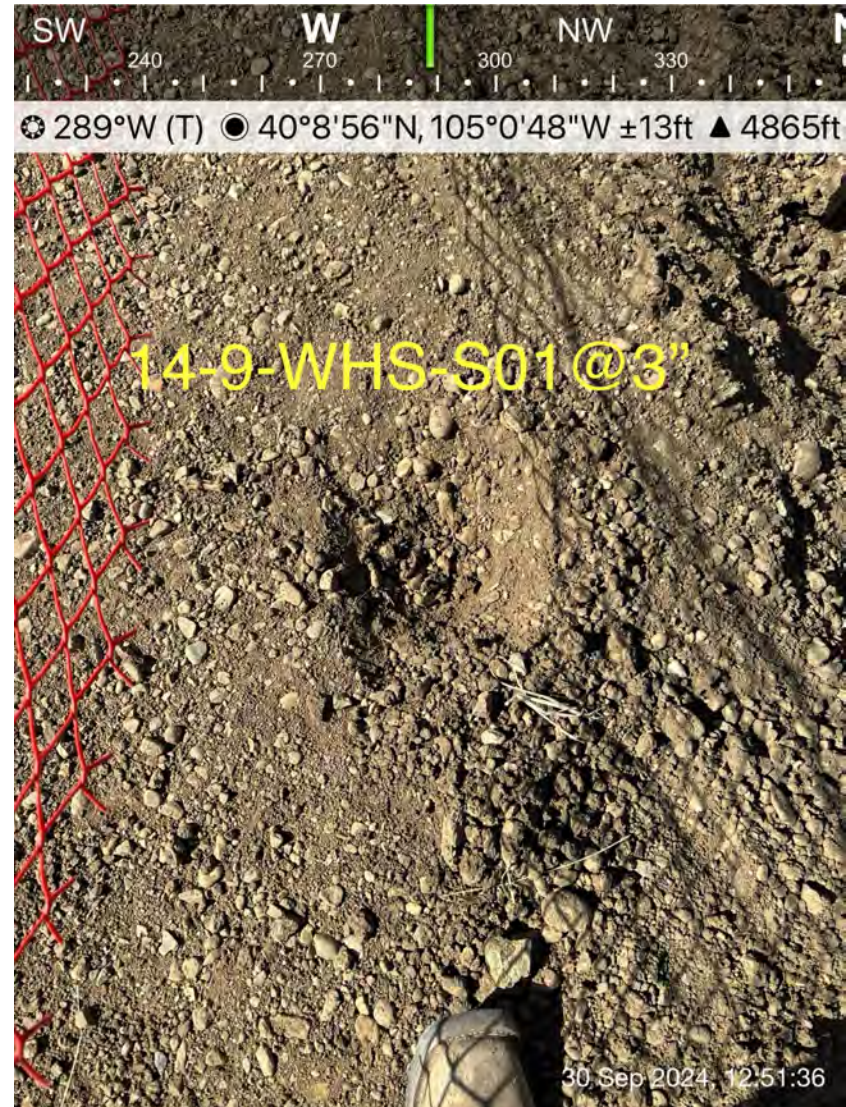


## Photographic Log





## Photographic Log





## Photographic Log





## Photographic Log





## Photographic Log





## Photographic Log



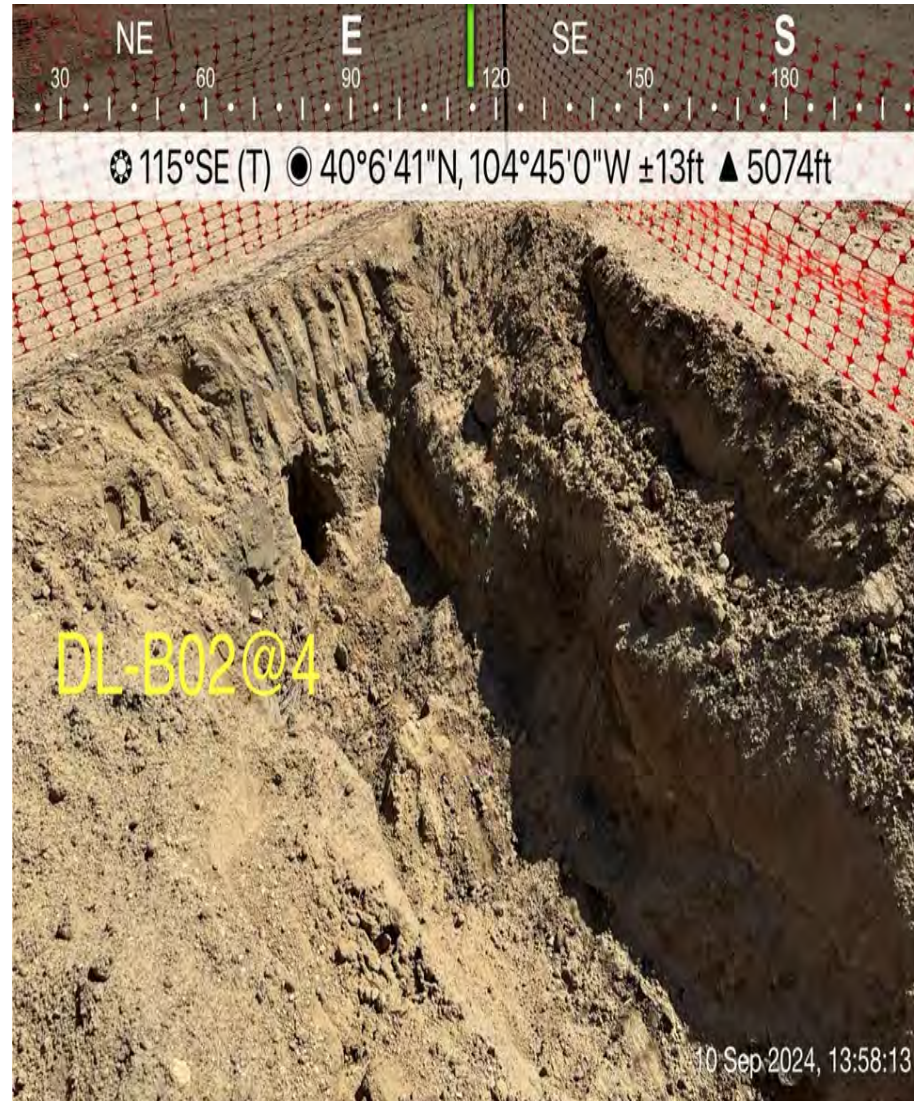


**Photographic Log**





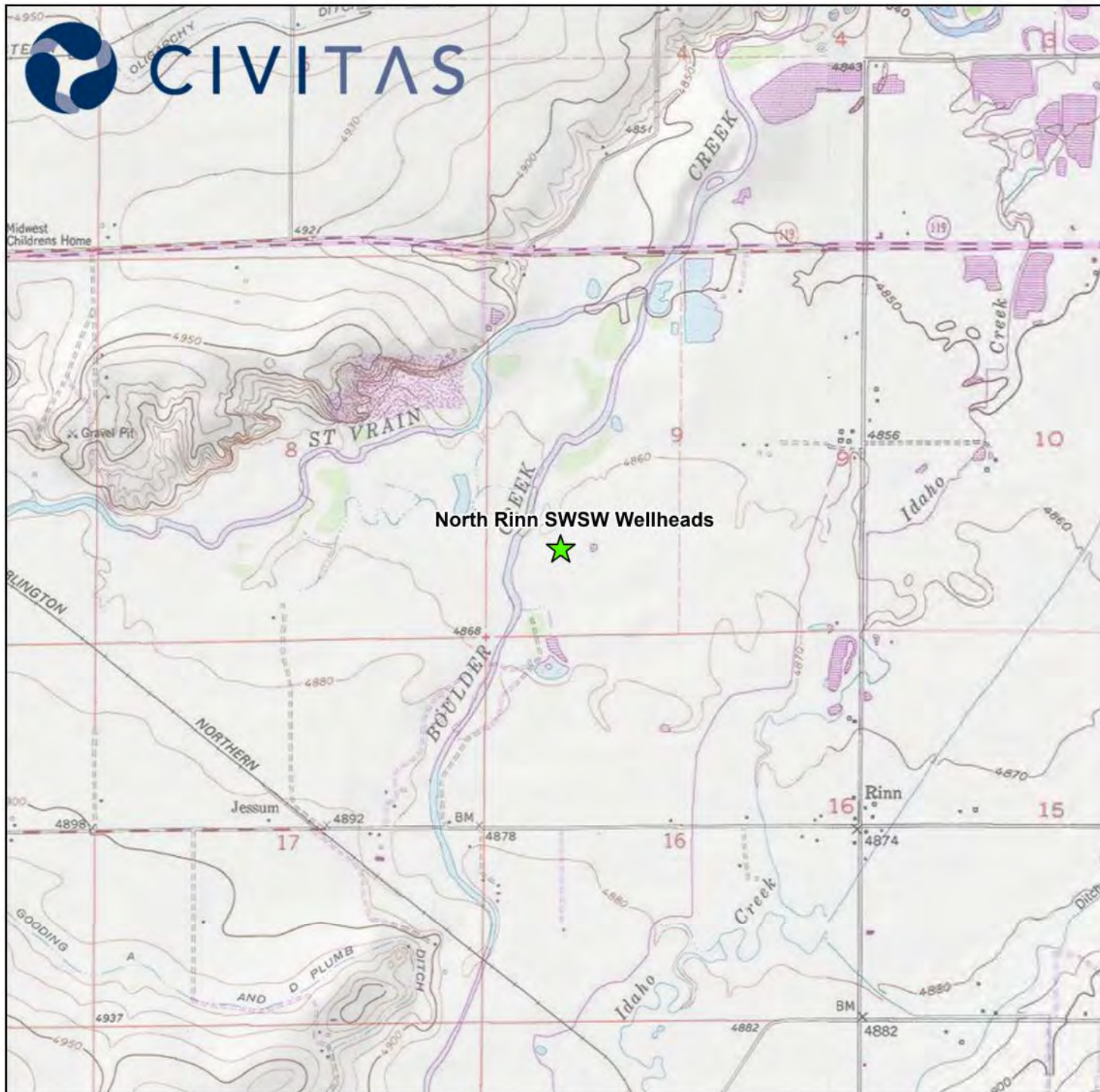
## Photographic Log





## FIGURES





#### Legend

★ Site Location

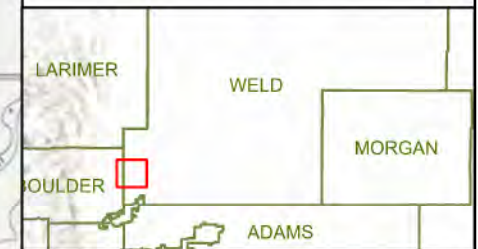
0 1,000 2,000  
Feet



#### CIVITAS RESOURCES

Figure 1. North Rinn SWSW Wellheads  
Topographic Site Location Map

40.149245, -105.013533  
SWSW, Sec 9, T2N, R68W  
Weld County, CO



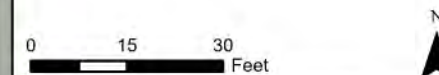
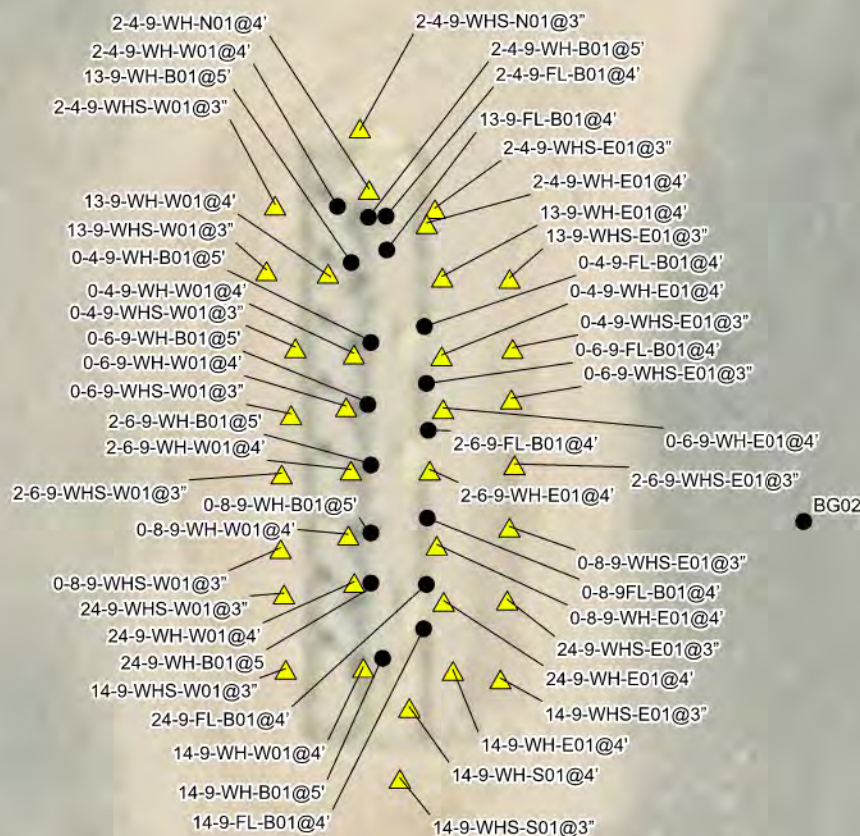
Author: JG Date: 10/03/2024

Data Sources: Esri, CGIAR, USGS, Maxar



## Legend

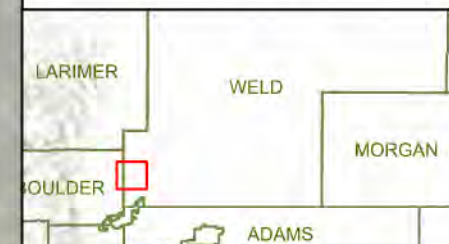
- Soil Sample Location
- ▲ Soil Screening Location



## CIVITAS RESOURCES

**Figure 2. North Rinn SWSW Wellheads Inorganics Excavation and Sampling Map**

40.149245, -105.013533  
SWSW, Sec 9, T2N, R68W  
Weld County, CO





## **TABLES**



TABLE 1  
SOIL SAMPLE FIELD DATA SUMMARY TABLE  
NORTH RINN SWSW MULTI WELL PAD 1  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP



				Observations				
Sample ID	Approx. Depth (ft bgs)	Date	PID (ppm-v)	Visual (Y/N)	Olfactory (Y/N)	Lab (Y/N)	Lat	Long
<b>WELLHEAD</b>								
2-4-9-WH-B01@5'	5	9/30/2024	5.1	N	N	Y	40.149230	-105.013537
2-4-9-WH-N01@4'	4	9/30/2024	1.2	N	N	N	40.149243	-105.013537
2-4-9-WH-E01@4'	4	9/30/2024	1.3	N	N	N	40.149234	-105.013515
2-4-9-WH-W01@4'	4	9/30/2024	298.7	N	N	Y	40.149235	-105.013554
13-9-WH-B01@5'	5	9/30/2024	1.8	N	N	Y	40.149211	-105.013547
13-9-WH-E01@4'	4	9/30/2024	7.3	N	N	N	40.149212	-105.013506
13-9-WH-W01@4'	4	9/30/2024	4.6	N	N	N	40.149207	-105.013560
0-4-9-WH-B01@5'	5	9/30/2024	48.7	N	Y	Y	40.149177	-105.013536
0-4-9-WH-E01@4'	4	9/30/2024	2.3	N	N	N	40.149178	-105.013506
0-4-9-WH-W01@4'	4	9/30/2024	0.7	N	N	N	40.149179	-105.013555
0-6-9-WH-B01@5'	5	9/30/2024	0.9	N	N	Y	40.149150	-105.013537
0-6-9-WH-E01@4'	4	9/30/2024	1	N	N	N	40.149155	-105.013505
0-6-9-WH-W01@4'	4	9/30/2024	1.2	N	N	N	40.149156	-105.013560
2-6-9-WH-B01@5'	5	9/30/2024	25.8	N	Y	Y	40.149124	-105.013536
2-6-9-WH-E01@4'	4	9/30/2024	3.8	N	N	N	40.149129	-105.013513
2-6-9-WH-W01@4'	4	9/30/2024	7.1	N	N	N	40.149129	-105.013557
0-8-9-WH-B01@5'	5	9/30/2024	4.4	N	N	Y	40.149095	-105.013536
0-8-9-WH-E01@4'	4	9/30/2024	1.2	N	N	N	40.149090	-105.013499
0-8-9-WH-W01@4'	4	9/30/2024	1.5	N	N	N	40.149101	-105.013558
24-9-WH-B01@5'	5	9/30/2024	16.7	N	N	Y	40.149073	-105.013536
24-9-WH-E01@4'	4	9/30/2024	0.8	N	N	N	40.149072	-105.013505
24-9-WH-W01@4'	4	9/30/2024	1.4	N	N	N	40.149080	-105.013555
14-9-WH-B01@5'	5	9/30/2024	1.4	N	N	Y	40.149041	-105.013529
14-9-WH-S01@4'	4	9/30/2024	1.7	N	N	N	40.149027	-105.013524
14-9-WH-E01@4'	4	9/30/2024	1.0	N	N	N	40.149043	-105.013500
14-9-WH-W01@4'	4	9/30/2024	0.8	N	N	N	40.149044	-105.013550
2-4-9-WHS-N01@3"	0.25	9/30/2024	0.7	N	N	N	40.149269	-105.013542
2-4-9-WHS-E01@3"	0.25	9/30/2024	0.9	N	N	N	40.149234	-105.013500
2-4-9-WHS-W01@3"	0.25	9/30/2024	1.2	N	N	N	40.149236	-105.013589
13-9-WHS-E01@3"	0.25	9/30/2024	0.7	N	N	N	40.149211	-105.013468
13-9-WHS-W01@3"	0.25	9/30/2024	0.3	N	N	N	40.149208	-105.013594
0-4-9-WHS-E01@3"	0.25	9/30/2024	1.0	N	N	N	40.149181	-105.013467
0-4-9-WHS-W01@3"	0.25	9/30/2024	0.9	N	N	N	40.149181	-105.013588
0-6-9-WHS-E01@3"	0.25	9/30/2024	0.5	N	N	N	40.149159	-105.013467
0-6-9-WHS-W01@3"	0.25	9/30/2024	0.4	N	N	N	40.149153	-105.013590
2-6-9-WHS-E01@3"	0.25	9/30/2024	1.0	N	N	N	40.149131	-105.013466
2-6-9-WHS-W01@3"	0.25	9/30/2024	0.9	N	N	N	40.149127	-105.013596
0-8-9-WHS-E01@3"	0.25	9/30/2024	0.7	N	N	N	40.149104	-105.013468
0-8-9-WHS-W01@3"	0.25	9/30/2024	0.7	N	N	N	40.149095	-105.013596
24-9-WHS-E01@3"	0.25	9/30/2024	0.6	N	N	N	40.149073	-105.013470
24-9-WHS-W01@3"	0.25	9/30/2024	0.4	N	N	N	40.149076	-105.013594
14-9-WHS-E01@3"	0.25	9/30/2024	0.7	N	N	N	40.149039	-105.013473



TABLE 1  
SOIL SAMPLE FIELD DATA SUMMARY TABLE  
NORTH RINN SWSW MULTI WELL PAD 1  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP



				Observations				
Sample ID	Approx. Depth (ft bgs)	Date	PID (ppm-v)	Visual (Y/N)	Olfactory (Y/N)	Lab (Y/N)	Lat	Long
14-9-WHS-W01@3"	0.25	9/30/2024	0.8	N	N	N	40.149043	-105.013593
14-9-WHS-S01@3"	0.25	9/30/2024	0.8	N	N	N	40.148996	-105.013530
FLOWLINE								
2-4-9-FL-B01@4'	4	9/30/2024	5.7	N	N	Y	40.149231	-105.013527
13-9-FL-B01@4'	4	9/30/2024	2.7	N	N	Y	40.149216	-105.013527
0-4-9-FL-B01@4'	4	9/30/2024	3.7	N	N	Y	40.149190	-105.013516
0-6-9-FL-B01@4'	4	9/30/2024	4.1	N	N	Y	40.149166	-105.013515
2-6-9-FL-B01@4'	4	9/30/2024	1.2	N	N	Y	40.149145	-105.013514
0-8-9-FL-B01@4'	4	9/30/2024	59.4	Y	N	Y	40.149108	-105.013514
24-9-FL-B01@4'	4	9/30/2024	3.3	N	N	Y	40.149079	-105.013515
14-9-FL-B01@4'	4	9/30/2024	2.9	N	N	Y	40.149060	-105.013516
BACKGROUNDS								
WH-BG01@3'	3	9/30/2024	0.3	N	N	Y	40.149456	-105.013610
WH-BG01@6'	6	9/30/2024	0.5	N	N	Y	40.149456	-105.013610
WH-BG02@3'	3	9/30/2024	0.3	N	N	Y	40.149100	-105.013293
WH-BG02@6'	6	9/30/2024	0.3	N	N	Y	40.149100	-105.013293
WH-BG03@3'	3	9/30/2024	0.2	N	N	Y	40.148894	-105.013596
WH-BG03@6'	6	9/30/2024	0.1	N	N	Y	40.148894	-105.013596
WH-BG04@3'	3	9/30/2024	0.0	N	N	Y	40.149131	-105.013818
WH-BG04@6'	6	9/30/2024	0.3	N	N	Y	40.149131	-105.013818

**Notes:**

ft. = feet

bgs= below ground surface

PID = photoionization detector

ppm-v = parts per million by volume



TABLE 2  
SOIL SAMPLE ANALYTICAL RESULTS SUMMARY - VOCs  
NORTH RINN SWSW MULTI WELL PAD 1  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP



Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO* (mg/kg)	TPH-DRO* (mg/kg)	TPH-RRO* (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4- Trimethyl benzene (mg/kg)	1,3,5- Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
GSSL (1)			500			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
RSSL (2)			500			1.2	490	5.8	9.9	30	27	2
WELLHEAD												
2-4-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-4-9-WH-W01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
13-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-4-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-6-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-6-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-8-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
24-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
14-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
FLOWLINE												
2-4-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
13-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-4-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-6-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-6-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-8-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
24-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
14-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending

**Notes:**

ECMC - Energy and Carbon Management Commission

(1) Standards for soil are taken from ECMC Table 915-1 Organic Compounds in Soils - Protection of Groundwater

(2) Standards for soil are taken from ECMC Table 915-1 Organic Compounds in Soils - Residential Soil Screening Level

TPH - total petroleum hydrocarbons

GRO - gasoline range organics

DRO - diesel range organics

RRO - residual range organics

\*Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit



TABLE 3  
SOIL SAMPLE ANALYTICAL RESULTS SUMMARY  
SOIL SUITABILITY FOR RECLAMATION  
NORTH RINN SWSW MULTI WELL PAD 1  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP



Soil Sample Location	Date Sampled	Depth	Boron (mg/L)	pH	SAR	EC (mmhos/com)
<b>ECMC Soil Suitability for Reclamation (1)</b>			<b>2</b>	<b>6-8.3</b>	<b>&lt;6</b>	<b>&lt;4</b>
<b>Background Limits</b>			<b>0.000</b>	<b>0.000</b>	<b>0.00</b>	<b>0.000</b>
<b>BACKGROUND</b>						
WH-BG01@3'	9/30/2024	3	Pending	Pending	Pending	Pending
WH-BG01@6'	9/30/2024	6	Pending	Pending	Pending	Pending
WH-BG02@3'	9/30/2024	3	Pending	Pending	Pending	Pending
WH-BG02@6'	9/30/2024	6	Pending	Pending	Pending	Pending
WH-BG03@3'	9/30/2024	3	Pending	Pending	Pending	Pending
WH-BG03@6'	9/30/2024	6	Pending	Pending	Pending	Pending
WH-BG04@3'	9/30/2024	3	Pending	Pending	Pending	Pending
WH-BG04@6'	9/30/2024	6	Pending	Pending	Pending	Pending
<b>SITE</b>						
<b>ECMC Soil Suitability for Reclamation (1)</b>			<b>2</b>	<b>6-8.3</b>	<b>&lt;6</b>	<b>&lt;4</b>
<b>Background Limits</b>			<b>0.000</b>	<b>0.00</b>	<b>0.000</b>	<b>0.000</b>
2-4-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
2-4-9-WH-W01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
13-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
0-4-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
0-6-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
2-6-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
0-8-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
24-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
14-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending
2-4-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
13-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
0-4-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
0-6-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
2-6-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
0-8-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
24-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending
14-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending

**Notes:**

1. Standards for soil are taken from ECMC Table 915-1, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

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

mg/L = milligrams per liter

Blue highlight: Highest background concentration x 1.25

Bolded values with red highlight: Concentrations greater than Max Bkg. x 1.25 and Table 915-1 Limits



TABLE 4  
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHS  
NORTH RINN SWSW MULTI WELL PAD 1  
WELD COUNTY, COLORADO  
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
GSSL (1)		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3
RSSL (1)		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
WELLHEAD															
2-4-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-4-9-WH-W01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
13-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-4-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-6-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-6-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-8-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
24-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
14-9-WH-B01@5'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
FLOWLINE															
2-4-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
13-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-4-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-6-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-6-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-8-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
24-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
14-9-FL-B01@4'	9/30/2024	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending

**Notes:**

<sup>(1)</sup> Standards are taken from ECMC Table 915-1:Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

<sup>(2)</sup> Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

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

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons



TABLE 5  
SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE - METALS  
NORTH RINN SWSW MULTI WELL PAD 1  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP



Soil Sample Location	Date Sampled	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	Chromium VI (mg/kg)
<b>GSSL <sup>(1)</sup></b>			<b>0.29</b>	<b>82</b>	<b>0.38</b>	<b>46</b>	<b>14</b>	<b>26</b>	<b>0.26</b>	<b>0.8</b>	<b>370</b>	<b>0.000067</b>
<b>RSSL <sup>(2)</sup></b>			<b>0.68</b>	<b>15000</b>	<b>71</b>	<b>3100</b>	<b>400</b>	<b>1500</b>	<b>390</b>	<b>390</b>	<b>23000</b>	<b>0.3</b>
<b>Background Limits</b>												
<b>WELLHEAD</b>												
2-4-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-4-9-WH-W01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
13-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-4-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-6-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-6-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-8-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
24-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
14-9-WH-B01@5'	9/30/2024	5	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
<b>FLOWLINE</b>												
2-4-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
13-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-4-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-6-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
2-6-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
0-8-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
24-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending
14-9-FL-B01@4'	9/30/2024	4	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending	Pending

**Notes:**

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

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

ECMC = Energy and Carbon Management Commission

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

mg/kg = milligrams per kilogram

Blue highlight: Highest background concentration x 1.25

Bolded values with red highlight: Concentrations greater than Max Bkg. x 1.25 and Table 915-1 Limits

N/A = Not Analyzed

ND = Not Detected