

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
PDC ENERGY INC.
PHELPS 11-32 CHZ, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-233

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethyl-Benzene (µg/L)	1,3,5-Trimethyl-Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
SEP GW	08/23/23	14	<1.0	<1.0	22	<1.0	4.7	<1.0	NM	NM	NM	NP
MW-1	01/12/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	96.03	6.70	89.33	NP
	04/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.98	92.05	NP
	07/03/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00		2.48	93.55	NP
	10/02/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.33	92.70	NP
MW-2	01/12/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.03	10.50	88.53	NP
	04/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.24	90.79	NP
	07/03/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00		6.08	92.95	NP
	10/02/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.18	91.85	NP
MW-3	01/12/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100.00	11.46	88.54	NP
	04/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.45	91.55	NP
	07/03/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00		7.41	92.59	NP
	10/02/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.30	91.70	NP
MW-4	01/12/24	8.5	25	2.5	13	<1.0	<1.0	1.5	99.47	10.66	88.81	NP
	04/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.23	91.24	NP
	07/03/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00		6.30	93.17	NP
	10/02/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.36	92.11	NP
MW-5	01/12/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.61	10.58	89.03	NP
	04/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.81	91.80	NP
	07/03/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00		6.07	93.54	NP
	10/02/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.20	92.41	NP

Bold face values exceed the COGCC limits

Red highlighted 915-1 Limits indicate the referenced groundwater screening level

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed

TABLE 2
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
PDC ENERGY INC.
PHELPS SEPARATOR, ADAMS COUNTY, COLORADO
FREMONT PROJECT NO. C023-233

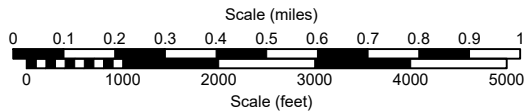
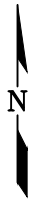
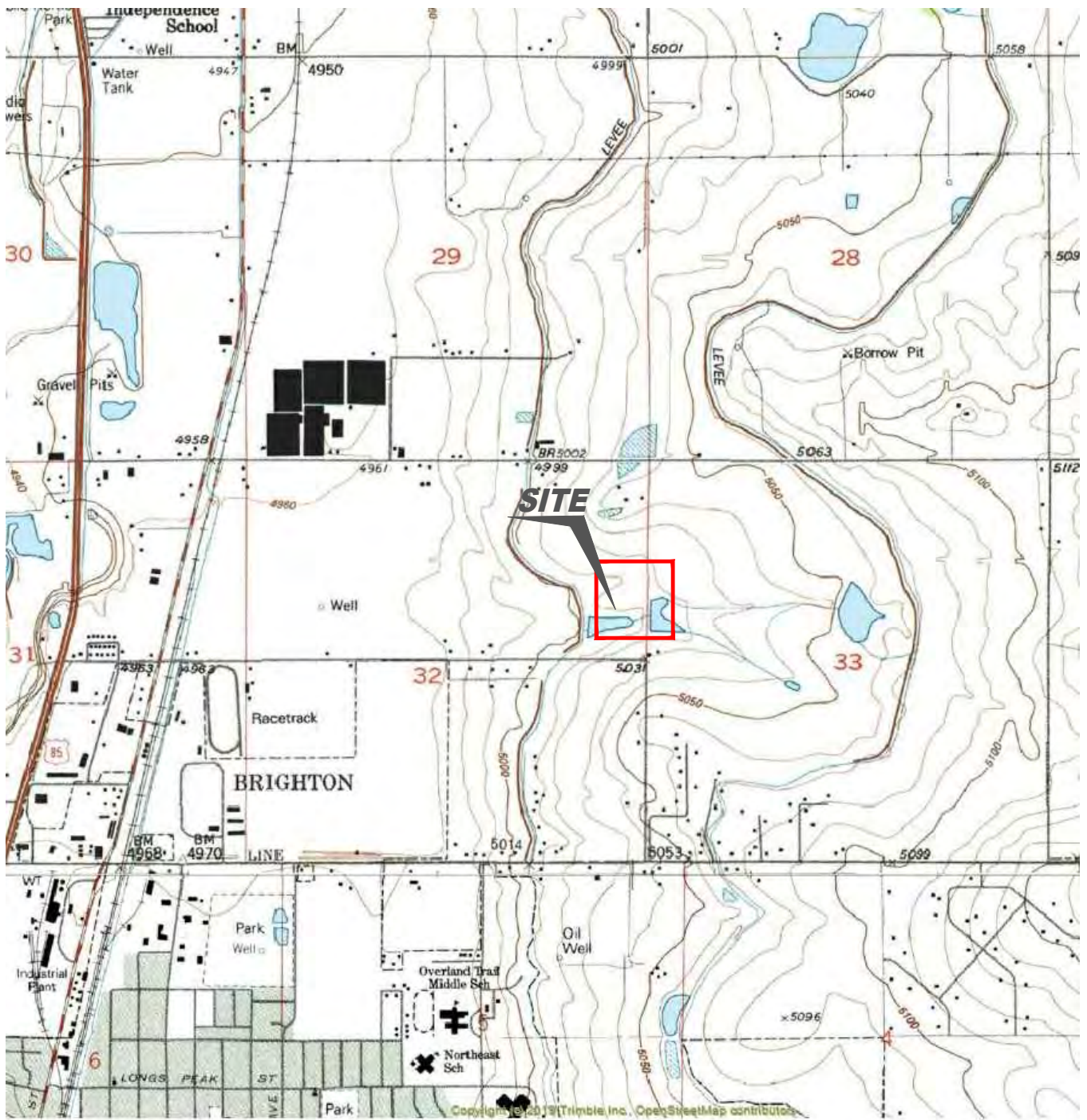
Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
MW-1	01/12/24	924	208	172
	04/11/24	1350	244	232
	07/03/24	1190	246	265
	10/02/24	812	191	180
MW-2	01/12/24	902	178	189
	04/11/24	1110	215	210
	07/03/24	1150	111	243
	10/02/24	1090	200	262
MW-3	01/12/24	1020	202	243
	04/11/24	1260	226	248
	07/03/24	1200	235	282
	10/02/24	1180	195	288
MW-4	01/12/24	870	191	182
	04/11/24	1160	227	217
	07/03/24	1400	305	280
	10/02/24	948	168	219
MW-5	01/12/24	822	206	165
	04/11/24	1350	261	232
	07/03/24	1110	233	209
	10/02/24	841	177	166

Bold face values exceed the COGCC limits

MW-1 is the upgradient well

Yellow highlighted 915-1 Limits indicate the referenced groundwater screening level

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed



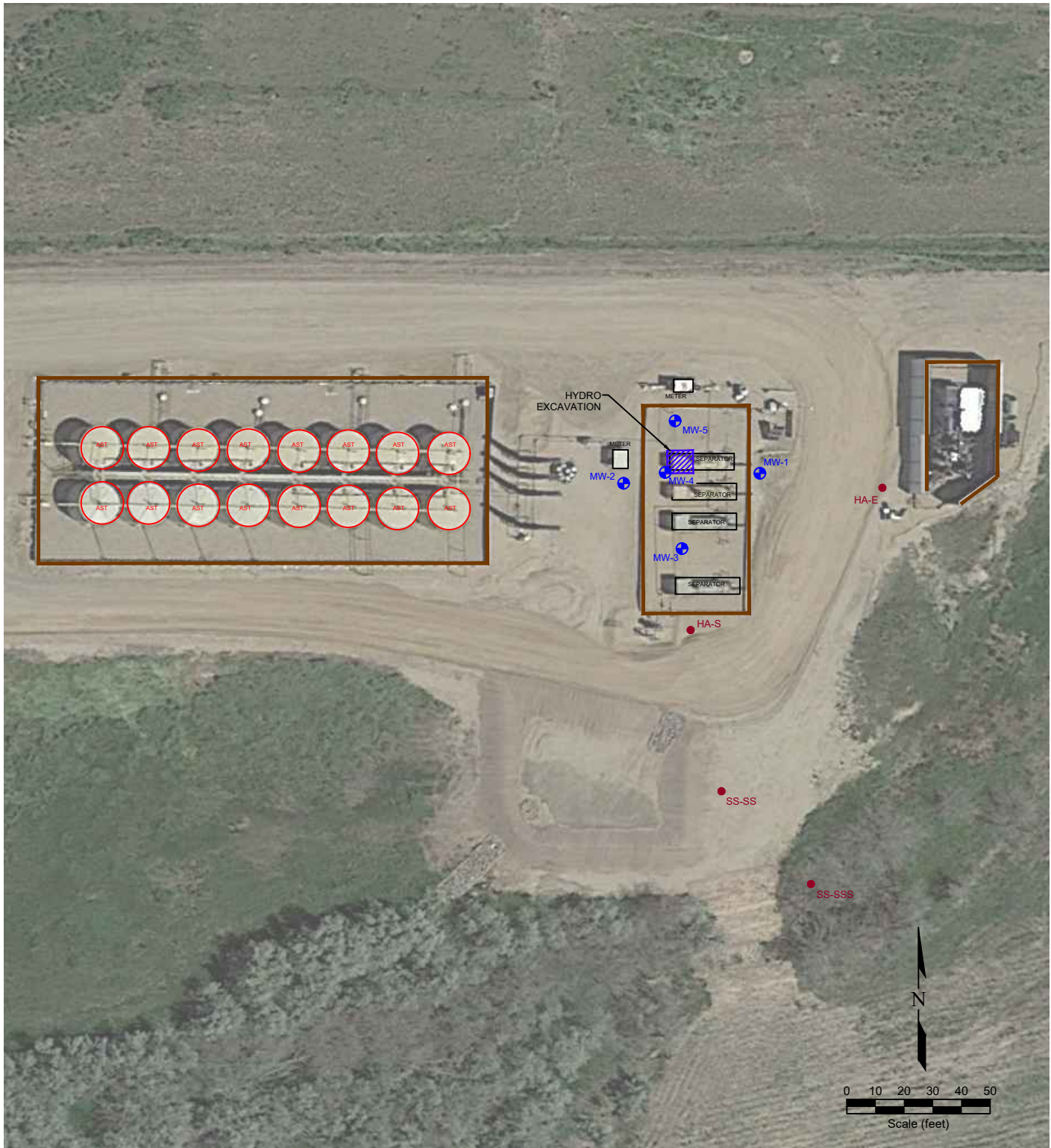
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

PDC ENERGY, INC. ~ PHELPS 11-32CHZ
 SENE Section 32, T1N, R66W, 6th PM
 Weld County, Colorado
 40.01110°, -104.79257°

Project No. C023-233	API #	Facility # 433548
Date 10/14/24	Remediation #	Filename 23233T





LEGEND

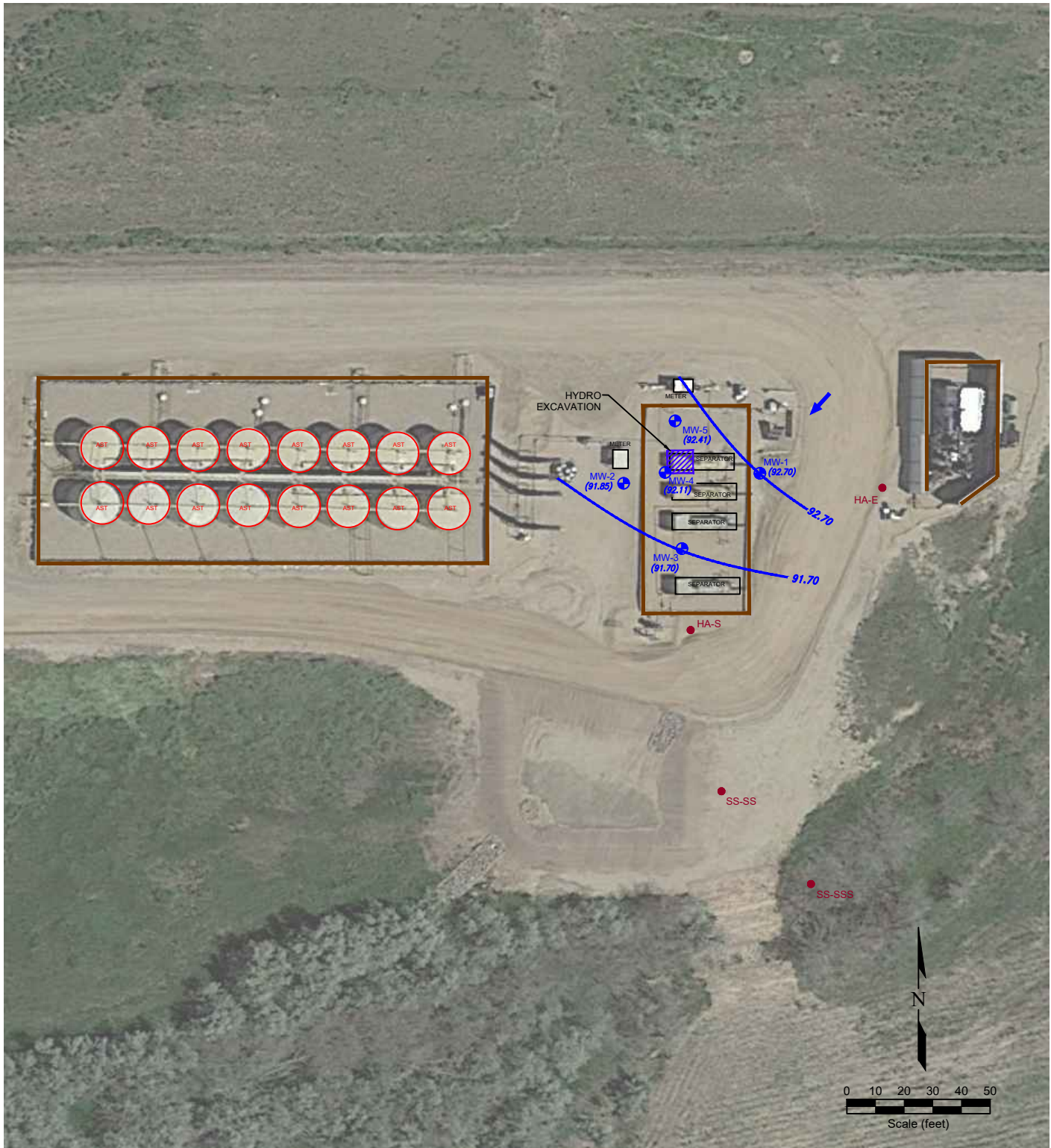
- HAND AUGURED SOIL BORING
- HYDROEXCAVATION
- ◻ FORMER FACILITY
- ▤ CONTAINMENT BERM
- MONITORING WELL LOCATION
- ABOVE GROUND STORAGE TANK
- ▭ BUILDING
- ▬ CONTAINMENT WALL
- ▬ EXTENT OF EXCAVATION
- ▬ FENCE LINE

**Figure 2
SITE MAP**

PDC ENERGY, INC. ~ PHELPS 11-32CHZ
 SENE Section 32, T1N, R66W, 6th PM
 Weld County, Colorado
 40.01110°, -104.79257°

Project No. C023-233	API #	Facility # 433548
Date 10/14/2024	Remediation #	Filename 23233Q





LEGEND

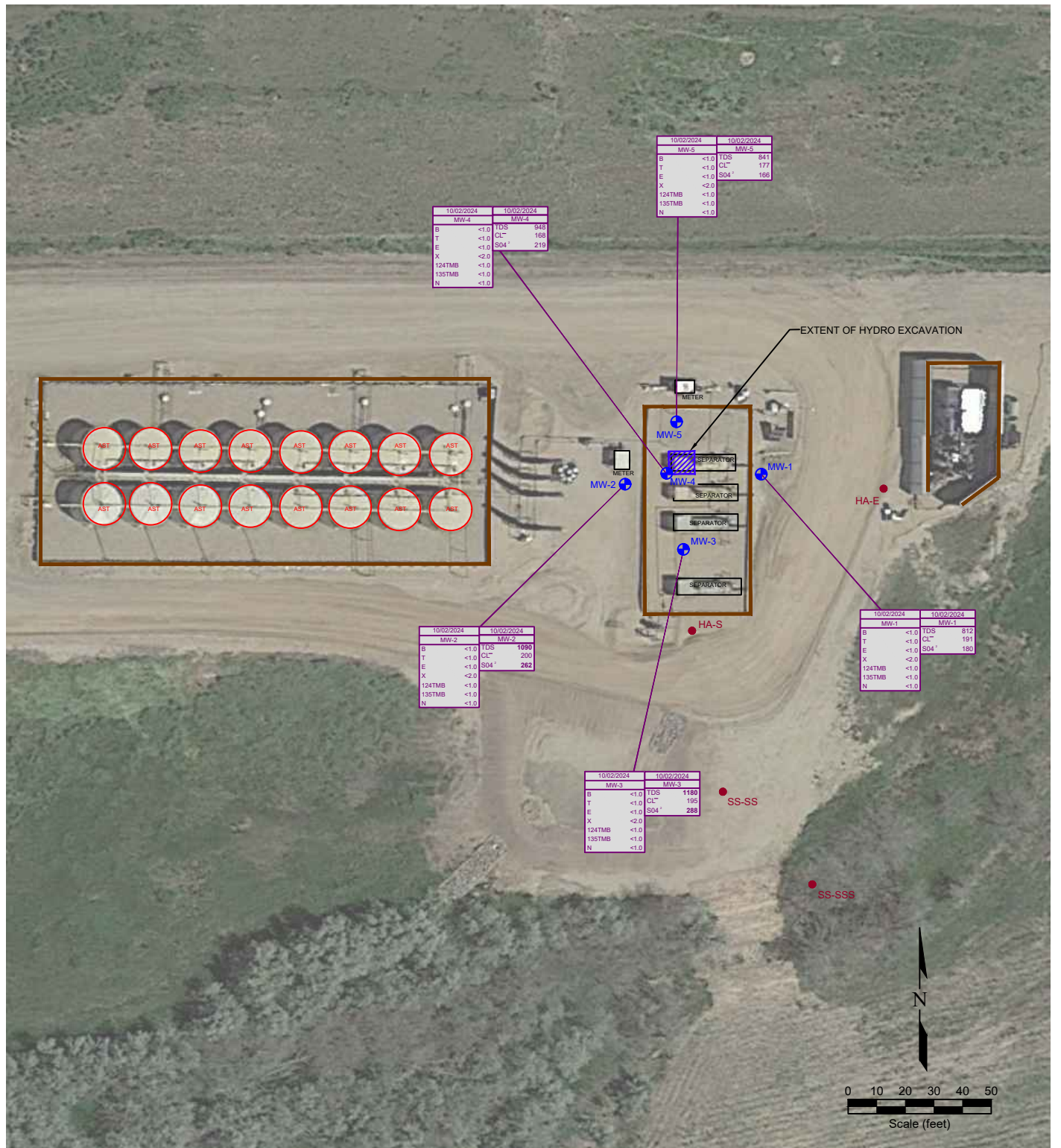
- HAND AUGURED SOIL BORING
 - HYDROEXCAVATION
 - ◻ FORMER FACILITY
 - ▤ CONTAINMENT BERM
 - ⊙ MONITORING WELL LOCATION
 - ABOVE GROUND STORAGE TANK
 - ▭ BUILDING
 - ▬ CONTAINMENT WALL
 - ▬ EXTENT OF EXCAVATION
 - ▬ FENCE LINE
-
- 91.70
NM
92.00
 - GROUND WATER ELEVATION (ft above arbitrary datum)
NOT MEASURED
 - 92.00
 - WATER TABLE CONTOUR
 -
 - GROUND WATER FLOW DIRECTION

Figure 3
INFERRED GROUNDWATER CONTOUR MAP
 October 2, 2024

PDC ENERGY, INC. ~ PHELPS 11-32CHZ
 SENE Section 32, T1N, R66W, 6th PM
 Weld County, Colorado
 40.01110°, -104.79257°

Project No. C023-233	API #	Facility # 433548
Date 10/14/2024	Remediation #	Filename 23233Q





10/02/2024		10/02/2024	
MW-4		MW-4	
B	<1.0	TDS	943
T	<1.0	CL ⁻	168
E	<1.0	SO ₄ ⁻²	219
X	<2.0		
124TMB	<1.0		
135TMB	<1.0		
N	<1.0		

10/02/2024		10/02/2024	
MW-5		MW-5	
B	<1.0	TDS	841
T	<1.0	CL ⁻	177
E	<1.0	SO ₄ ⁻²	166
X	<2.0		
124TMB	<1.0		
135TMB	<1.0		
N	<1.0		

10/02/2024		10/02/2024	
MW-2		MW-2	
B	<1.0	TDS	1090
T	<1.0	CL ⁻	200
E	<1.0	SO ₄ ⁻²	262
X	<2.0		
124TMB	<1.0		
135TMB	<1.0		
N	<1.0		

10/02/2024		10/02/2024	
MW-1		MW-1	
B	<1.0	TDS	812
T	<1.0	CL ⁻	191
E	<1.0	SO ₄ ⁻²	180
X	<2.0		
124TMB	<1.0		
135TMB	<1.0		
N	<1.0		

10/02/2024		10/02/2024	
MW-3		MW-3	
B	<1.0	TDS	1180
T	<1.0	CL ⁻	195
E	<1.0	SO ₄ ⁻²	288
X	<2.0		
124TMB	<1.0		
135TMB	<1.0		
N	<1.0		

LEGEND

- HAND AUGURED SOIL BORING
- MONITORING WELL LOCATION
- ▨ HYDROEXCAVATION
- ABOVE GROUND STORAGE TANK
- ▭ FORMER FACILITY
- ▭ BUILDING
- ▭ CONTAINMENT BERM
- ▭ CONTAINMENT WALL
- ▭ EXTENT OF EXCAVATION
- FENCE LINE

10/02/2024		DATE SAMPLED	
MW-1		SAMPLE ID	
B	<1.0	BENZENE (ug/L)	
T	<1.0	TOLUENE (ug/L)	
E	<1.0	ETHYLBENZENE (ug/L)	
X	<2.0	TOTAL XYLENES (ug/L)	
124TMB	<1.0	1,2,4-TRIMETHYLBENZENE (ug/L)	
135TMB	<1.0	1,3,5-TRIMETHYLBENZENE (ug/L)	
N	<1.0	NAPHTHALENE (ug/L)	

10/02/2024		DATE SAMPLED	
MW-1		SAMPLE ID	
TDS	1190	TOTAL DISSOLVED SOLIDS (mg/L)	
CL ⁻	246	CHLORIDE ION (mg/L)	
SO ₄ ⁻²	265	SULFATE ION (mg/L)	

Figure 4
GROUNDWATER CHEMISTRY MAP

PDC ENERGY, INC. ~ PHELPS 11-32CHZ
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 40.01110°, -104.79257°

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