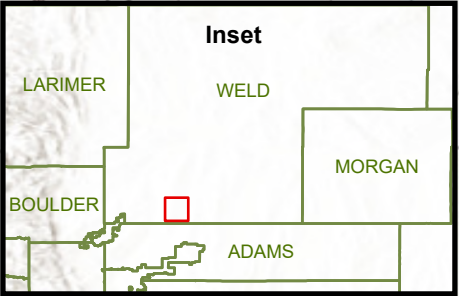
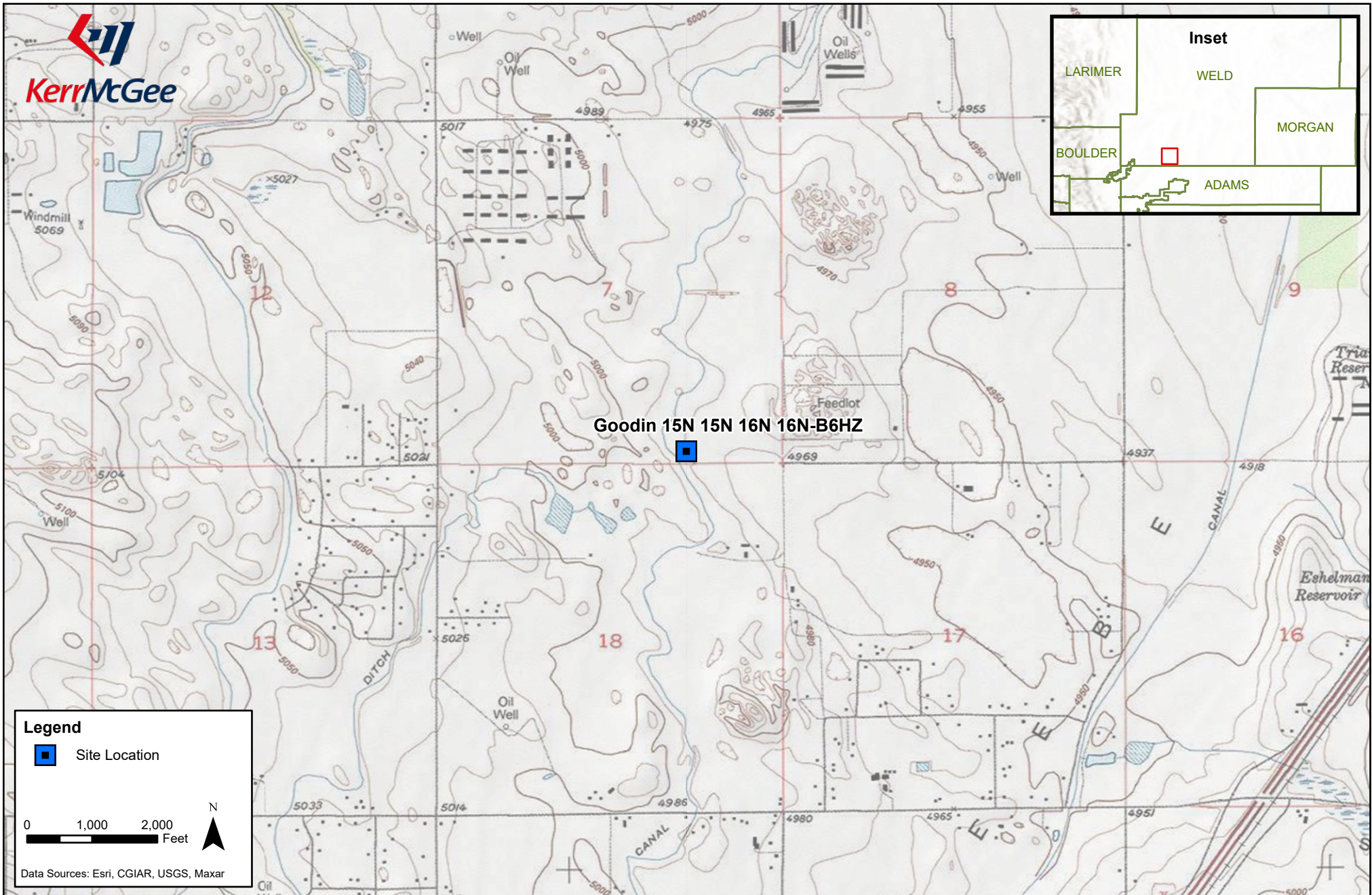


FIGURES



Legend

Site Location



Data Sources: Esri, CGIAR, USGS, Maxar

DATE:	09/13/2024
DESIGNED BY:	J. Groh
DRAWN BY:	J. Groh



Kerr-McGee Oil and Gas Onshore LP
Goodin 15N 15N 16N 16N-B6HZ
 SWSE Qtr-Qtr, Sec 7, T1N, R65W
 Weld County, CO

Site Location Map

Figure
1



Legend

- ⊕ Soil Sample Location
- ▭ Excavation Extent (10/10/2024)

0 20 40 Feet

N

Data Sources: Esri, CGIAR, USGS, Maxar

DATE:	11/21/2024
DESIGNED BY:	J. Groh
DRAWN BY:	J. Groh and R. Henry



Kerr-McGee Oil and Gas Onshore LP
Goodin 15N 15N 16N 16N-B6HZ
 SWSE, Sec 7, T1N, R65W
 Weld County, CO

Release Location Map

Figure
2

TABLES

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
GOODIN 15N 15N 16N 16N-B6HZ FACILITY
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
Release Location Sample								
SS01	0.25	7/10/2024		Y	Y	Y	40.059217	-104.702265
SS01B@4'	4	9/23/2024	18.3	N	N	Y	40.05923204	-104.7022513
SS01N@3'	3	9/23/2024	0	N	N	Y	40.0592559	-104.7022614
SS01NV@3'	3	10/23/2024	0	N	N	Y	40.0592559	-104.7022614
SS01S@3'	3	9/23/2024	4.5	N	N	Y	40.05919679	-104.7022488
SS01SV@3'	3	10/23/2024	0	N	N	Y	40.05919679	-104.7022488
SS01E@3'	3	9/23/2024	11.8	N	N	Y	40.05923264	-104.7022236
SS01EV@3'	3	10/23/2024	0	N	N	Y	40.05923264	-104.7022236
SS01W@3'	3	9/23/2024	2.6	N	N	Y	40.05924025	-104.7022921
SS01WW@3'	3	10/23/2024	0	N	N	Y	40.05924025	-104.7022921
SEP-B01@5'	5	10/7/2024	5.7	N/A	N/A	Y	40.059232	-104.702271
SEP-B01V@5'	5	10/23/2024	5.7	N	N	Y	40.059232	-104.702271
Background Sample								
BG01	0.25	7/10/2024		N	N	Y	40.0596510319	-104.702046
BG01@3"	0.25	9/23/2024	2.1	N	N	Y	40.05951828	-104.7020725
BG02@3"	0.25	9/23/2024	0.0	N	N	Y	40.0595291	-104.7022927
BG03@3"	0.25	9/23/2024	5.8	N	N	Y	40.05950512	-104.7025244
BG04@3"	0.25	9/23/2024	2.0	N	N	Y	40.05942242	-104.7026569
BG-05@3'	3	11/20/2024	0.2	N	N	Y	40.05882283	-104.7022132
BG-05@6'	6	11/20/2024	0.0	N	N	Y	40.05882283	-104.7022132
BG-05@9'	9	11/20/2024	0.0	N	N	Y	40.05882283	-104.7022132
BG-06@3'	3	11/20/2024	0.0	N	N	Y	40.05881399	-104.7018941
BG-06@6'	6	11/20/2024	0.0	N	N	Y	40.05881399	-104.7018941
BG-06@9'	9	11/20/2024	0.0	N	N	Y	40.05881399	-104.7018941
BG-07@3'	3	11/20/2024	0.0	N	N	Y	40.05881858	-104.7015941
BG-07@6'	6	11/20/2024	0.0	N	N	Y	40.05881858	-104.7015941
BG-07@9'	9	11/20/2024	0.0	N	N	Y	40.05881858	-104.7015941
BG-08@3'	3	11/20/2024	0.0	N	N	Y	40.05881694	-104.7014183
BG-08@6'	6	11/20/2024	0.0	N	N	Y	40.05881694	-104.7014183
BG-08@9'	9	11/20/2024	0.0	N	N	Y	40.05881694	-104.7014183
BG-09@3'	3	11/20/2024	0.0	N	N	Y	40.05903562	-104.7025882
BG-09@6'	6	11/20/2024	0.0	N	N	Y	40.05903562	-104.7025882
BG-09@9'	9	11/20/2024	0.0	N	N	Y	40.05903562	-104.7025882
BG-10@3'	3	11/20/2024	0.0	N	N	Y	40.0593382	-104.7025506
BG-10@6'	6	11/20/2024	0.0	N	N	Y	40.0593382	-104.7025506
BG-10@9'	9	11/20/2024	0.3	N	N	Y	40.0593382	-104.7025506

Notes:

bgs= below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

BOLD = exceeds ECMC Table 915-1

TABLE 2
 SOIL SAMPLE ANALYTICAL RESULTS SUMMARY - VOCs
 GOODIN 15N 15N 16N 16N-B6HZ FACILITY
 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
RELEASE LOCATION SAMPLE												
SS01	7/10/2024	0.25	2380	9420	2620	0.330	6.56	2.85	26.1	37.4	5.93	6.46
SS01B@4'	9/23/2024	4	1.54	74.9	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SS01N@3'	9/23/2024	3	<0.200	<25.0	<0.200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SS01S@3'	9/23/2024	3	<0.200	<25.0	<0.200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SS01E@3'	9/23/2024	3	<0.200	<25.0	<0.200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SS01W@3'	9/23/2024	3	<0.200	<25.0	<0.200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SEP-B01@5'	10/7/2024	5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002

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 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)

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

BOLD = Exceeds ECMC Table 915-1

TABLE 3
 SOIL SAMPLE ANALYTICAL RESULTS SUMMARY
 SOIL SUITABILITY
 GOODIN 15N 15N 16N 16N-B6HZ FACILITY
 WELD COUNTY, COLORADO
 KERR-MCGEE OIL AND GAS ONSHORE, LP



Soil Sample Location	Date Sampled	Depth	Boron (mg/L)	pH	SAR	EC (mmhos/com)
ECMC Soil Suitability for Reclamation ⁽¹⁾			2	6-8.3	<6	<4
RELEASE LOCATION SAMPLE						
Background Limits			NA	NA	NA	NA
SS01	7/10/2024	0.25	<0.0997	7.04	0.658	0.270
BACKGROUND SAMPLE						
BG01	7/10/2024	0.25	0.448	8.20	0.280	0.600
BG01@3"	9/23/2024	0.25	0.339	7.84	0.0551	0.493
BG02@3"	9/23/2024	0.25	0.436	7.90	0.0937	0.745
BG03@3"	9/23/2024	0.25	0.280	7.77	0.283	1.04
BG04@3"	9/23/2024	0.25	0.285	7.93	0.0752	0.727

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

TABLE 4
 GOODIN 15N 15N 16N 16N-B6HZ FACILITY
 SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
 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
RELEASE LOCATION SAMPLE															
SS01	7/10/2024	19.1	33.7	3.87	<0.200	<0.050	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	4.40	<0.200	0.225
SS01B@4'	9/23/2024	0.049	0.034	<0.020	NA	NA	NA	NA	NA	<0.020	NA	NA	0.024	NA	<0.020
SS01N@3'	9/23/2024	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
SS01S@3'	9/23/2024	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
SS01E@3'	9/23/2024	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
SS01W@3'	9/23/2024	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
SEP-B01@5'	10/7/2024	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020

Notes:

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

(2) 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

BOLD = Exceeds ECMC Table 915-1

NA = Not Analyzed

TABLE 5
SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE - METALS
GOODIN 15N 15N 16N 16N-B6HZ FACILITY
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)
GSSL (1)			0.29	82	0.38	46	14	26	0.26	0.8	370	0.000067
RSSL (2)			0.68	15000	71	3100	400	1500	390	390	23000	0.3
Background Limits			(@6'): 7.8625	(@9'): 250	NA	NA	NA	NA	NA	NA	NA	NA
WELLHEAD												
SS01	7/10/2024	0.25	2.34*	151*	<0.0958	<9.58	5.01	5.24	<0.249	<0.0958	<35.5	*<0.130
SS01B@4'	9/23/2024	4	2.58*	93.8*	NA	NA	6.05	6.62	NA	NA	NA	NA
SS01N@3'	9/23/2024	3	4.18*	127*	NA	NA	8.48	9.97	NA	NA	NA	NA
SS01S@3'	9/23/2024	3	2.27*	82.3*	NA	NA	6.04	7.34	NA	NA	NA	NA
SS01E@3'	9/23/2024	3	2.05*	71.8	NA	NA	5.64	6.01	NA	NA	NA	NA
SS01W@3'	9/23/2024	3	2.99*	101*	NA	NA	7.17	8.37	NA	NA	NA	NA
SS-01NV@3'	10/23/2024	3	3.05*	118*	NA	NA	NA	NA	NA	NA	NA	NA
SS-01SV@3'	10/23/2024	3	2.83*	82.6*	NA	NA	NA	NA	NA	NA	NA	NA
SS-01EV@3'	10/23/2024	3	1.70*	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-01WV@3'	10/23/2024	3	3.03*	115*	NA	NA	NA	NA	NA	NA	NA	NA
SEP-B01@5'	10/7/2024	5	3.26*	116*	NA	NA	<9.90	7.11	8.53	NA	NA	NA
SEP-B01V@5'	10/23/2024	5	3.19*	108*	NA	NA	NA	NA	NA	NA	NA	NA
BACKGROUND SAMPLE												
BG01@3"	9/23/2024	0.25	3.78	10300	0.769	11.5	7.35	11.4	1.15	<0.0962	56.3	*<0.244
BG02@3"	9/23/2024	0.25	3.43	10100	0.671	11.2	7.01	9.56	1.15	<0.0970	57.3	*<0.244
BG03@3"	9/23/2024	0.25	3.66	9220	0.883	10.0	7.08	10.5	1.29	<0.0987	53.5	*<0.244
BG04@3"	9/23/2024	0.25	4.31	11200	0.742	12.4	7.69	12.9	1.31	<0.0944	66.5	*<0.244
BG-05@3'	11/20/2024	3	1.61	46.2	<0.0923	<9.23	4.88	3.38	<0.240	<0.0923	<34.1	PENDING
BG-05@6'	11/20/2024	6	2.31	75.8	0.107	<9.25	6.40	6.80	<0.241	<0.0925	<34.2	PENDING
BG-05@9'	11/20/2024	9	4.71	154	0.228	10.8	8.12	11.7	<0.238	<0.0914	35.4	PENDING
BG-06@3'	11/20/2024	3	1.71	50.8	0.0969	<9.15	5.32	3.97	<0.238	<0.0915	<33.8	PENDING
BG-06@6'	11/20/2024	6	4.34	124	0.125	9.52	10.7	14.1	<0.219	<0.0844	47.5	PENDING
BG-06@9'	11/20/2024	9	2.24	96.5	0.109	<8.58	6.00	5.81	<0.223	<0.0858	<31.8	PENDING
BG-07@3'	11/20/2024	3	1.91	57.7	0.113	<9.56	5.73	4.75	<0.249	<0.0956	<35.4	PENDING
BG-07@6'	11/20/2024	6	3.94	111	0.107	<9.48	6.68	8.16	<0.246	<0.0948	<35.1	PENDING
BG-07@9'	11/20/2024	9	3.60	113	0.133	<9.26	8.00	9.34	<0.241	<0.0926	<34.3	PENDING
BG-08@3'	11/20/2024	3	2.57	106	0.133	<8.95	7.27	7.58	<0.233	<0.0895	33.6	PENDING
BG-08@6'	11/20/2024	6	6.29	140	0.179	13.9	12.0	16.5	<0.254	<0.0979	50.4	PENDING
BG-08@9'	11/20/2024	9	5.40	200	0.186	11.6	10.4	13.9	<0.246	<0.0948	45.3	PENDING
BG-09@3'	11/20/2024	3	2.02	57.0	<0.0893	<8.93	5.44	5.49	<0.232	<0.0893	<33.0	PENDING
BG-09@6'	11/20/2024	6	2.96	96.2	0.0894	<8.85	6.26	7.67	<0.230	<0.0885	<32.8	PENDING
BG-09@9'	11/20/2024	9	4.49	160	0.198	10.2	8.35	12.1	<0.227	<0.0872	38.0	PENDING
BG-10@3'	11/20/2024	3	1.97	83.2	<0.0837	<8.37	5.57	5.61	<0.218	<0.0837	<31.0	PENDING
BG-10@6'	11/20/2024	6	5.68	131	0.125	12.9	12.5	17.9	<0.243	<0.0937	51.1	PENDING
BG-10@9'	11/20/2024	9	3.40	133	0.150	<9.05	7.47	9.85	<0.235	<0.0905	<33.5	PENDING

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

2. Standards for soil are taken from ECOM 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

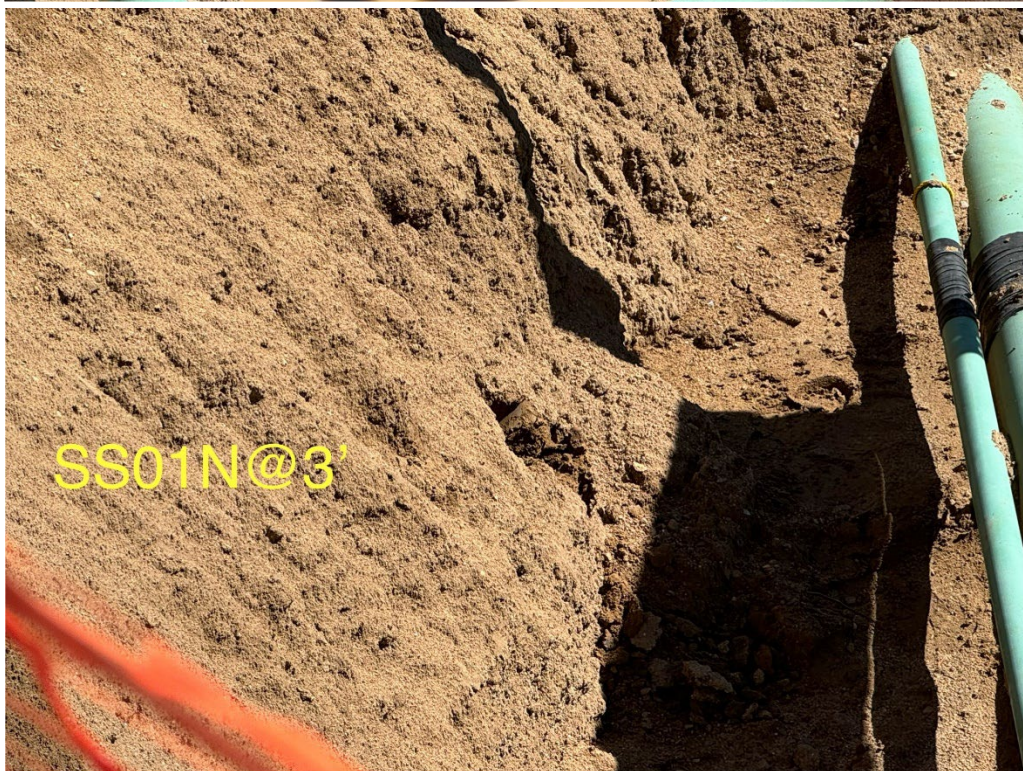
BOLD* = Exceeds ECOM Table 915-1 limits but is within site specific background limits

*<0.244 = Laboratory minimum detection limit is higher than table 915-1 limit

NA = Not Applicable/Not Analyzed

ATTACHMENT A
LABORATORY ANALYTICAL DATA

ATTACHMENT B
PHOTOGRAPHIC LOG









SEP-B01V@5'



SS-01NV@3'



SS-01EV@3'



SS-01SV@3'



SS-01WV@3'



BG05@3',6',9'



BG06@3',6',9'



BG07@3',6',9'



BG08@3',6',9'



BG09@3',6',9'



BG10@3',6',9'

ATTACHMENT C
STATE
NOTIFICATION

From: Bartoszek, Jaron <Jaron_Bartoszek@oxy.com>

Sent: Thursday, September 12, 2024 1:41 PM

To: Anderson - DNR Contractor, Laurel <laurel.anderson@state.co.us>; Lexi Hamous-Miller - DNR <lexi.hamous-miller@state.co.us>; Jason Maxey <jmaxey@weldgov.com>; Roy Rudisill (rrudisill@co.weld.co.us) <rrudisill@co.weld.co.us>

Cc: Scranton, Lynna <Lynna_Scranton@oxy.com>; Mickelson, Erik <Erik_Mickelson@oxy.com>; Rowley, Taylor <Taylor_Rowley@oxy.com>; Lytle, Andy <Andrew_Lytle@oxy.com>; Jobe, Don <Don_Jobe@oxy.com>; Grage, Mark <Mark_Grage@oxy.com>; Brice, Jennifer <Jennifer_Brice@oxy.com>; Neely, Dewey (Platteville) <Dewey_Neely2@oxy.com>; Coleman, Julie <Julie_Coleman@oxy.com>; Riemer, Joseph <Joseph_Riemer@oxy.com>; Wells, Matt <Matthew_Wells@oxy.com>; Mathes, Robert <Robert_Mathes@oxy.com>; Bugarin, Eve M <Eve_Bugarin@oxy.com>; Kiel, Macy <Macy_Kiel@oxy.com>; Bartoszek, Jaron <Jaron_Bartoszek@oxy.com>

Subject: State Reportable Release 24 Hour Notification - GOODIN 15N 15N 16N 16N-B6HZ

Good afternoon,

We identified a state reportable release following the identification of impacted soil of an unknown volume. This release has been controlled and is no longer active. A Form 19 Release Report is forthcoming. This release occurred within 300' of surface water. This release did not threaten, Public Water System, residences or occupied structures, livestock, wildlife, air quality, or publicly-maintained roads.

The following have been notified via specified method below:

- Weld County contacted via electronic mail
- Surface Owner notification in process
- Colorado Parks and Wildlife via electronic mail (release within 300' of surface water)

The Environmental Release/Incident Report Hotline was not contacted as this release did not trigger notification requirements per 912.b.(2)B.

Location Details:

- Facility Name: GOODIN 15N 15N 16N 16N-B6HZ
- Location: SWSE 7 1N 65W
- Latitude/Longitude: 40.059226, -104.702238
- Facility ID:440234

Please let me know if you have any questions.

Thank you,

Jaron Bartoszek, Environmental Advisor

HSE Rockies, Occidental Petroleum Corporation

| Mobile 970.515.0055 | Platteville, CO 80651

Zero In™ at oxy.com