

FIGURES

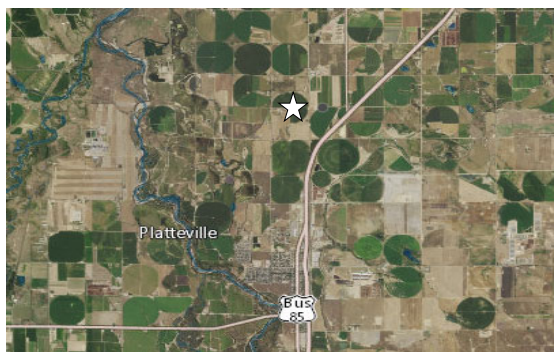
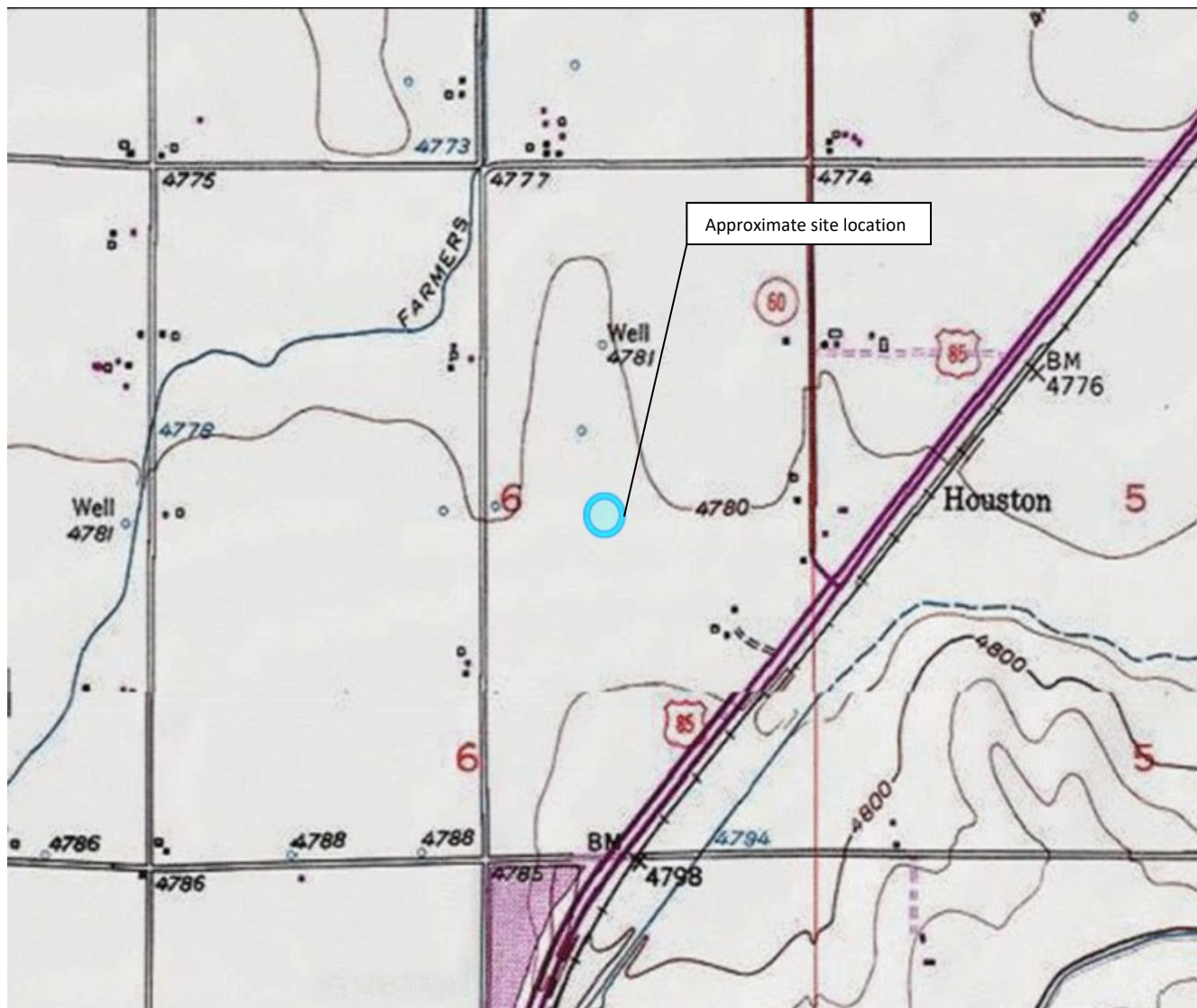


Figure 1

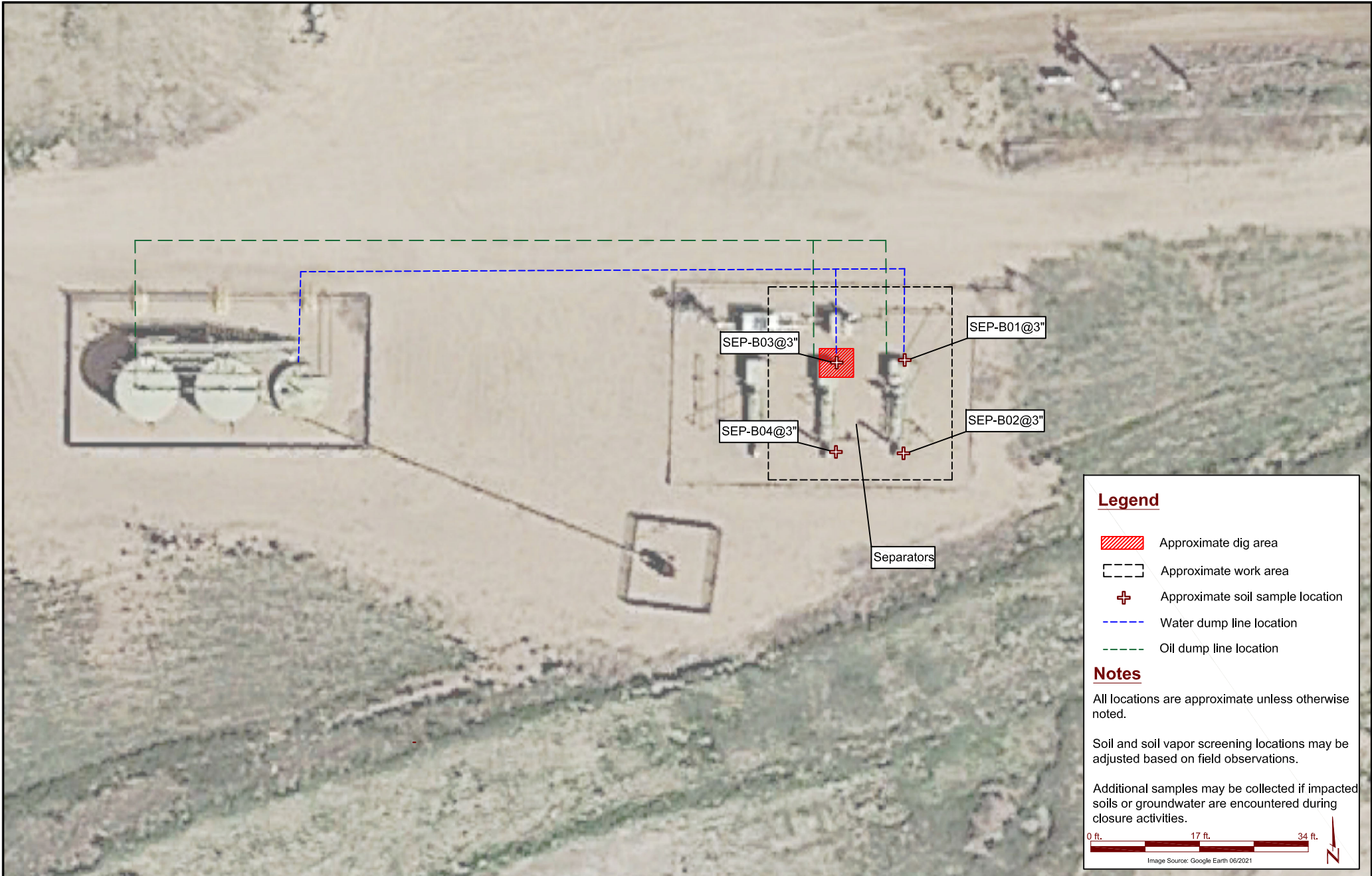
Site Location Map
Kerr-McGee Oil and Gas Onshore LP
Thompson 33&43-6 O SA
NWSE Sec. 6-T3N-R66W
Weld County, Colorado



EAGLE
ENVIRONMENTAL
CONSULTING, INC.

Source: USGS 7.5 Minute Topographic Map, Miliken, CO Quadrangle

Drawn By: BV Date: 8/8/2022



Legend

- Approximate dig area
- Approximate work area
- Approximate soil sample location
- Water dump line location
- Oil dump line location

Notes

All locations are approximate unless otherwise noted.

Soil and soil vapor screening locations may be adjusted based on field observations.

Additional samples may be collected if impacted soils or groundwater are encountered during closure activities.

0 ft. 17 ft. 34 ft.

Image Source: Google Earth 06/2021



DATE:	March 6, 2023
DESIGNED BY:	D. Coloccia
DRAWN BY:	C. Bodie



EAGLE
ENVIRONMENTAL
CONSULTING, LLC

8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449

Kerr-McGee Oil and Gas Onshore LP
Thompson 33&43-6 O SA
NWSE Sec. 6-T3N-R66W
Weld County, Colorado

Screening and Sample
Location Map

Figure
2

TABLES

TABLE 1
THOMPSON 33&43-6 O SA
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
<i>Tank Battery Soil Samples</i>							
SEP-B01 @ 3"	3/3/2023	0.25	1.4	N/S	N/O	40.2536152321772, -104.816680752074	Y
SEP-B02 @ 3"	3/3/2023	0.25	0.5	N/S	N/O	40.2535670823639, -104.816672998506	Y
SEP-B03 @ 3"	3/3/2023	0.25	5.6	N/S	N/O	40.2536047041849, -104.816722876296	Y
SEP-B04 @ 3"	3/3/2023	0.25	1.7	N/S	N/O	40.2535676201344, -104.816716841974	Y

bgs = below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

N/S = No Staining

N/O = No Odor

HC = hydrocarbon

Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Cleanup Concentrations

TABLE 2
THOMPSON 33&43-6 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
COGCC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
COGCC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	500			2	30	27
SEP-B01 @ 3"	03/03/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	0.00474	0.00338
SEP-B02 @ 3"	03/03/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B03 @ 3"	03/03/23	<0.00200	<0.00200	<0.00200	<0.00200	6.47	84.3	<100	0.0275	0.0137	0.0137
SEP-B04 @ 3"	03/03/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200

Notes:

⁽¹⁾ COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Cleanup Concentrations

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene

TABLE 3
THOMPSON 33&43-6 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<i>COGCC standards for soil (mg/kg)</i> ⁽¹⁾			6 - 8.3	<6	<4	2
<i>Tank Battery Soil Samples</i>						
SEP-B01 @ 3"	3/3/23	0.25	RP	RP	RP	RP
SEP-B02 @ 3"	3/3/23	0.25	RP	RP	RP	RP
SEP-B03 @ 3"	3/3/23	0.25	RP	RP	RP	RP
SEP-B04 @ 3"	3/3/23	0.25	RP	RP	RP	RP

Notes:

⁽¹⁾ Standards for soil are taken from COGCC Table 915-1, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

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

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Absorption Ratio

EC = Electrical Conductivity

RP = results pending

TABLE 4
THOMPSON 33&43-6 O SA
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)
COGCC standards for soil (mg/kg) ⁽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
COGCC standards for soil (mg/kg) ⁽²⁾		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
Tank Battery Soil Samples															
SEP-B03 @ 3"	03/03/23	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

Notes:

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

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

COGCC = Colorado Oil and Gas Conservation Commission

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

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

RP = results pending

TABLE 5
THOMPSON 33&43-6 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
COGCC standards for soil (mg/kg) ⁽¹⁾		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
COGCC standards for soil (mg/kg) ⁽²⁾		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Tank Battery Soil Samples											
SEP-B03 @ 3"	03/03/23	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

Notes:

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

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

COGCC = Colorado Oil and Gas Conservation Commission

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

RP = results pending

ATTACHMENT A
LABORATORY DATA



March 06, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Thompson 33 & 43-6 O SA Project Number - [none]

Attached are your analytical results for KMG - Thompson 33 & 43-6 O SA received by Origins Laboratory, Inc. March 03, 2023. This project is associated with Origins project number Y303108-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: KMG - Thompson 33 & 43-6 O SA

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-B01@3"	Y303108-01	Soil	March 3, 2023 10:20	03/03/2023 16:29
SEP-B02@3"	Y303108-02	Soil	March 3, 2023 10:22	03/03/2023 16:29
SEP-B03@3"	Y303108-03	Soil	March 3, 2023 10:24	03/03/2023 16:29
SEP-B04@3"	Y303108-04	Soil	March 3, 2023 10:26	03/03/2023 16:29

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

ORIGINS
LABORATORY, INC

www.originslaboratory.com

Client: Eagle Environmental (oxy)

Address: 8000 W 44th Ave

Wheat Ridge, CO 80033

Telephone Number: 303-433-0479

Email Address: dcoloccia@eagle-enviro.com

Project Manager: D. Coloccia

Project Name: Thompson 33 & 43-6 O SA

Project Number: -

Samples Collected By: CB

Initial 4303108 page 1 of 1

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	BTEX, N		TPH	EC/pH	SAR
SEP-00103"	3/3/23	1020	2	X					X			X	X	X		1
SEP-00203"		1022										X	X	X		2
SEP-00303"		1024										X	X	X		3
SEP-00403"		1026										X	X	X		4
																5
																6
																7
																8
																9
																10

Relinquished By: Chris Davis

Date: 3/3/23

Time: 1029

Received By: ETHS

Date: 3/3/23

Time: 1029

Temp Received- 3.8

Date Results Needed

Turnaround Time:
Same Day ☒ 24 Hr ☐
48 Hr ☐ 72 Hr ☐
Standard ☐

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4303108

Client: Eagle

Client Project ID: Thompson 33 & 43-6 O SA

Checklist Completed by: EHS/DE

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3/3/23

Airbill #: NA

Matrix(s) Received: (Check all that apply): X Soil/Solid Water Other:

Cooler Number/Temperature: 138 °C °C °C (Describe) °C

Thermometer ID: 1604

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

DE
Reviewed by (Project Manager)

03/03/2023
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

SEP-B01@3"
3/3/2023 10:20:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303108-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0327	ZZZ	03/03/2023	03/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 85.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00474	0.00200	mg/kg	1	B3C0326	JSM	03/03/2023	03/03/2023	
1,3,5-Trimethylbenzene	0.00338	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
Surrogate: Toluene-d8 94.2 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 90.6 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

SEP-B02@3"
3/3/2023 10:22:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303108-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0327	ZZZ	03/03/2023	03/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 87.5 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C0326	JSM	03/03/2023	03/03/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 110 % 70-130 " " "
Surrogate: Toluene-d8 95.9 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 92.5 % 70-130 " " "

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

SEP-B03@3"
3/3/2023 10:24:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303108-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	84.3	25.0	mg/kg	1	B3C0327	ZZZ	03/03/2023	03/04/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 82.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0137	0.00200	mg/kg	1	B3C0326	JSM	03/03/2023	03/03/2023	
1,3,5-Trimethylbenzene	0.0137	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	0.0275	0.00380	"	"	"	JSM	"	"	
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	6.47	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 110 % 70-130 " " "
Surrogate: Toluene-d8 94.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 94.0 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

SEP-B04@3"
3/3/2023 10:26:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303108-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0327	ZZZ	03/03/2023	03/04/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 80.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C0326	JSM	03/03/2023	03/03/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "
Surrogate: Toluene-d8 94.3 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 92.8 % 70-130 " " "

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0326 - EPA 5030 (soil)										
Blank (B3C0326-BLK1)					Prepared: 03/03/2023 Analyzed: 03/03/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.2	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0326 - EPA 5030 (soil)

LCS (B3C0326-BS1)

Prepared: 03/03/2023 Analyzed: 03/03/2023

1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100		104	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Benzene	0.109	0.00200	"	0.100		109	70-130			
Ethylbenzene	0.0940	0.00200	"	0.100		94.0	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.110	0.00200	"	0.100		110	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.192	0.00400	"	0.200		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.0	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0326 - EPA 5030 (soil)

Matrix Spike (B3C0326-MS1)		Source: Y303106-01			Prepared: 03/03/2023 Analyzed: 03/03/2023					
1,2,4-Trimethylbenzene	0.0934	0.00200	mg/kg	0.100	ND	93.4	70-130			
1,3,5-Trimethylbenzene	0.0926	0.00200	"	0.100	ND	92.6	70-130			
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.0845	0.00200	"	0.100	ND	84.5	70-130			
Naphthalene	0.0856	0.00380	"	0.100	ND	85.6	70-130			
Toluene	0.102	0.00200	"	0.100	ND	102	70-130			
o-Xylene	0.0927	0.00200	"	0.100	ND	92.7	70-130			
m,p-Xylene	0.172	0.00400	"	0.200	ND	86.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.8	70-130			

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Jen Pellegrini, Project Manager

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Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0326 - EPA 5030 (soil)										
Matrix Spike Dup (B3C0326-MSD1)	Source: Y303106-01				Prepared: 03/03/2023 Analyzed: 03/03/2023					
1,2,4-Trimethylbenzene	0.0976	0.00200	mg/kg	0.100	ND	97.6	70-130	4.42	20	
1,3,5-Trimethylbenzene	0.0972	0.00200	"	0.100	ND	97.2	70-130	4.87	20	
Benzene	0.103	0.00200	"	0.100	ND	103	70-130	0.796	20	
Ethylbenzene	0.0876	0.00200	"	0.100	ND	87.6	70-130	3.56	20	
Naphthalene	0.0935	0.00380	"	0.100	ND	93.5	70-130	8.82	20	
Toluene	0.103	0.00200	"	0.100	ND	103	70-130	0.993	20	
o-Xylene	0.0964	0.00200	"	0.100	ND	96.4	70-130	3.94	20	
m,p-Xylene	0.180	0.00400	"	0.200	ND	90.0	70-130	4.33	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.1	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0327 - EPA 3580										
Blank (B3C0327-BLK1)					Prepared: 03/03/2023 Analyzed: 03/03/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		105	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: KMG - Thompson 33 & 43-6 O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0327 - EPA 3580

LCS (B3C0327-BS1)

Prepared: 03/03/2023 Analyzed: 03/03/2023

Diesel (C10-C28)	1150	50.0	mg/kg	1000		115	70-130			
Residual Range Organics (C28-C40)	1280	200	"	1000		128	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0327 - EPA 3580

Matrix Spike (B3C0327-MS1)		Source: Y303106-01			Prepared: 03/03/2023 Analyzed: 03/03/2023					
Diesel (C10-C28)	972	50.0	mg/kg	1000	ND	97.2	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130			
Surrogate: o-Terphenyl	43		"	49.8		86.7	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Thompson 33 & 43-6 O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B3C0327 - EPA 3580

Matrix Spike Dup (B3C0327-MSD1)		Source: Y303106-01			Prepared: 03/03/2023 Analyzed: 03/03/2023					
Diesel (C10-C28)	988	50.0	mg/kg	1000	ND	98.8	70-130	1.67	35	
Residual Range Organics (C28-C40)	1090	200	"	1000	ND	109	70-130	5.19	35	
Surrogate: o-Terphenyl	45		"	49.8		89.4	50-150			

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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: KMG - Thompson 33 & 43-6 O SA

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

ATTACHMENT B
FIELD NOTES AND PHOTOGRAPHIC LOG

Tank Battery Closure Checklist 2

Project	Occidental Petroleum
ID	319526
Survey Date	03/03/2023
User	Chris Bodie
Additional Attachments (Optional)	
Site Name & COGCC Facility Number	Thompson 33&43-6 O SA
Remediation Project #	
Date	03/03/2023

Site Information

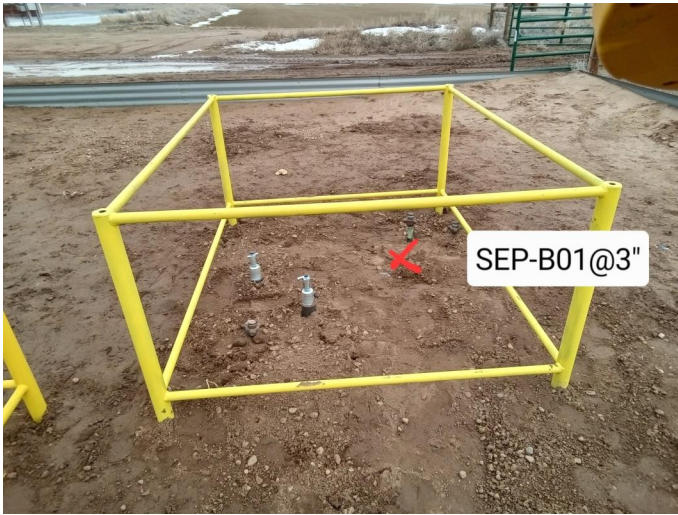
Associated Wells	
Location	
Latitude	39.7761942
Longitude	-105.0863628
General Condition of Site	Good
USCS Soil Type	Sandy Loam / Sandy Loam
Estimated Depth to Groundwater	<20'
Hydrocarbon Impacted Soils / Spills	None observed
Salt Crusted Soils or Impacted Vegetation	None observed

Soil Samples

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
R1	03/03/2023	10:20 AM	SEP-B01@3"	1.4	N.S		N.O		Separator	
R2	03/03/2023	10:22 AM	SEP-B02@3"	0.5	N.S		N.O		Separator	
R3	03/03/2023	10:24 AM	SEP-B03@3"	5.6	N.S		N.O		Separator	
R4	03/03/2023	10:26 AM	SEP-B04@3"	1.7	N.S		N.O		Separator	

Photo(s)

R1 - P1



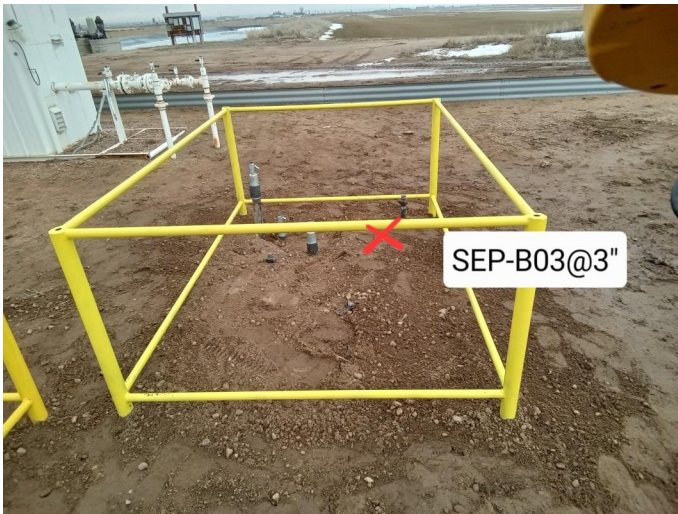
Looking north

R2 - P1



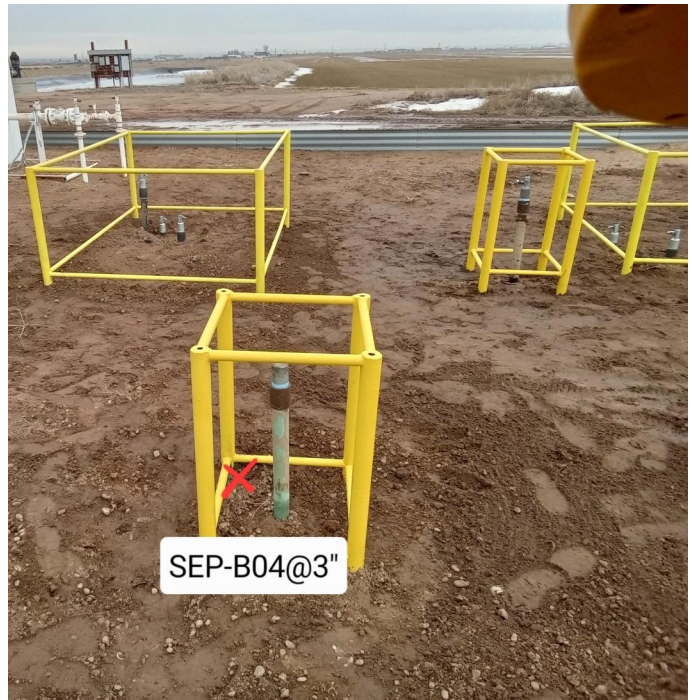
Looking north

R3 - P1



Looking north

R4 - P1



Looking north

Other observations regarding tanks

Summary

Was impacted soil identified?	No
Total number of soil samples field screened	4
Total number of soil samples collected	4
Highest PID Reading	5.6
Total number of soil samples submitted to lab for analysis	4

Was groundwater encountered during the investigation?	No
Measured depth to groundwater	
Was remedial groundwater removal conducted?	
Date Groundwater was encountered	
Commencement date of removal	
Sheen on groundwater?	
Free product observed?	
Volume of groundwater removed prior to sampling	
Volume of groundwater removed post sampling	
Total volume of groundwater removed	
Total number of groundwater samples collected	
Total number of groundwater samples submitted to lab for analysis	

ATTACHMENT C
STATE NOTIFICATION



Brandon VanHorn <bvanhorn@eagle-enviro.com>

FW: State Reportable Release 24 Hour Notification - THOMPSON 33&43-6 O SA

1 message

From: Ochoa, Ariana

Mon, Mar 6, 2023 at 2:14 PM

Sent: Monday, March 6, 2023 2:14 PM**To:** alexander.ahmadian@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>; Bugarin, Eve (New Tech Global Rig Personnel LLC) <Eve_Bugarin@oxy.com>; Lytle, Andy <Andrew_Lytle@oxy.com>; Jobe, Don <Don_Jobe@oxy.com>; Grage, Mark <Mark_Grage@oxy.com>; Hamilton, Gregory <Gregory_Hamilton@oxy.com>; Bartoszek, Jaron (Swift Technical Services LLC) <Jaron_Bartoszek@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>; Hamlin, Mark G <Mark_Hamlin@oxy.com>; Marshall, Shayelyn <Shayelyn_marshall@oxy.com>; Wells, Matt <Matthew_Wells@oxy.com>**Subject:** State Reportable Release 24 Hour Notification - THOMPSON 33&43-6 O SA

Good afternoon,

We identified a state reportable release following the removal of more than 10 cubic yards of impacted soil. This release is no longer active. A Form 19 Release Report is forthcoming. This release did not threaten Waters of the State, 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

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

Location Details:

- Facility Name: THOMPSON 33&43-6 O SA
- Location: NESE 6 3N 66W
- Latitude/Longitude: 40.253574/ -104.816656
- Facility ID: 459466

Please let me know if you have any questions.

Thank you,

Ariana Ochoa

HSE Advisor

Occidental Petroleum Corporation

t: (970) 515-1216