

Incident ID	nAPP2207748537
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jeremy Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 4/8/2022

Email: Jeremy_Haass@eogresouces.com Telephone: 575-748-1471

OCD Only

Received by: Robert Hamlet Date: 5/12/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 5/12/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

talonlpe.com • 866.742.0742



Closure Report

Luke BAV Federal Com #1
Eddy County, New Mexico
Incident # nAPP2207748537
J-3-21S-22E

Prepared For:

EOG Resources, Inc.
104 S. 4th Street
Artesia, NM 88210

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

April 7, 2022



Mike Bratcher
NMOCD
1301 W Grand Ave.
Artesia, NM 88210

Subject: **Closure Report**
Luke BAV Federal Com #1
Eddy County, New Mexico
Incident # nAPP2207748537
J-3-21S-22E

Dear Mr. Bratcher,

EOG Resources, Inc. contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

Site Information

The Luke BAV Federal Com #1 is located approximately thirty (30) miles southwest of Artesia, New Mexico. The legal location for this release is Unit Letter J, Section 3, Township 21 South and Range 22 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.505287 and -104.68875. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Kimbrough gravelly loam, 0 to 9 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Queen and Grayburg formations, and comprised of Residuum weathered from limestone. Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 30 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not located within a highly potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	30	Feet/bgs
---	-----------	-----------------

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole or a playa lake
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

Because the release occurred on a location where the impact occurred on reclaimed pad area, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

During site plug and abandonment activity, EOG personnel noticed historical staining around the wellhead. EOG contracted Talon LPE to assess the site. The foot print of the impacted area measured approximately 50' x 20', therefore a C-141 spill notification was filed with the NMOCD, and is referenced in [Appendix III](#). The site map is presented in [Appendix I](#).

Site Assessment

On March 07, 2022 Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Juno 3B, photographed and sampled utilizing a hand auger. All soil samples were properly packaged, preserved, and transported to Cardinal, Laboratories via chain of custody for analysis of Total Chlorides (SM4500Cl-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 ([Appendix I](#)) and the results of our sampling event are presented on the following data table.

Table I
03/14/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	03/07/2022	0.5'	ND	ND	ND	12.7	ND	12.7	25600
S-2	03/07/2022	0.5'	ND	ND	ND	ND	ND	ND	36800
S-3	03/07/2022	0.5'	ND	ND	ND	13.6	11.4	25	864
S-4	03/07/2022	0.5'	ND	ND	ND	ND	ND	ND	112
S-5	03/07/2022	0.5'	ND	ND	ND	ND	ND	ND	336
S-6	3/07/2022	0.5'	ND	ND	ND	13.0	ND	13.0	528

ND=Analyte Not Detected

See [Appendix V](#) for the complete report of laboratory results.

On April 01, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence remediation of the impacted area. Field titration data was used to guide the excavation. The impacted area was excavated to approximately 3' in depth. Composite soil samples were collected from the bottom and sidewalls of the excavated area, as well as from background locations. All soil samples were properly collected and preserved for transport to Cardinal Laboratories in order to confirm that NMOCD clean-up criteria had been achieved. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated on Figure 3 ([Appendix I](#)).

Table II
04/07/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	4/1/2022	3'	ND	ND	ND	ND	ND	-	288
S-2A	4/1/2022	3'	ND	ND	ND	ND	ND	-	224
S-3A	4/1/2022	3'	ND	ND	ND	ND	ND	-	80
S-4A	4/1/2022	3'	ND	ND	ND	ND	ND	-	80
SW1	4/1/2022		ND	ND	ND	ND	ND	-	96
SW2	4/1/2022		ND	ND	ND	ND	ND	-	64
SW3	4/1/2022		ND	ND	ND	ND	ND	-	160
SW4	4/1/2022		ND	ND	ND	ND	ND	-	208

ND= Analyte Not Detected

SW=Sidewall

See [Appendix V](#) for the complete report of laboratory results.

Remedial Actions

- The spill footprint was excavated to depths of 3 feet bgs and to the horizontal extent that all surface staining and hydrocarbon odors were removed. Laboratory analysis confirms that NMOCD closure criteria for soil remediation has been achieved.
- Background (S4 through S6) and sidewall samples were obtained in order to confirm horizontal delineation.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche, compacted and restored to grade.

Closure

Based on this site characterization, remedial action completed, and analytical results, we request that no further actions be required and that closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S. Pons
Senior Environmental Project Manager

Attachments:

Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey
Appendix III C-141 Forms
Appendix IV Photographic Documentation
Appendix V Laboratory Data




Appendix I

Site Maps

EOG Resources

Luke BAV Federal Com #001
Eddy County, NM
Site Map

Legend

 Luke BAV Federal Com #001

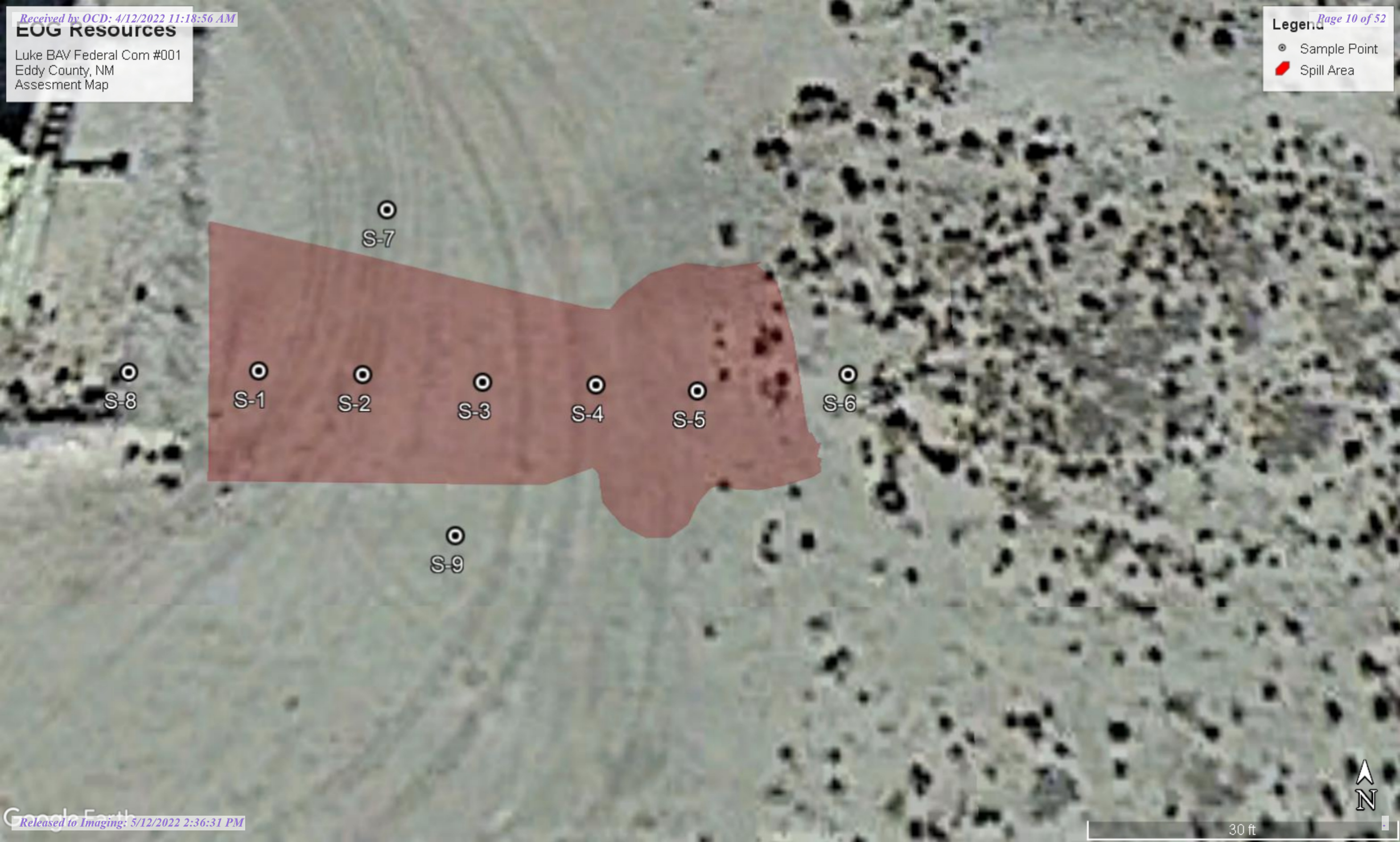


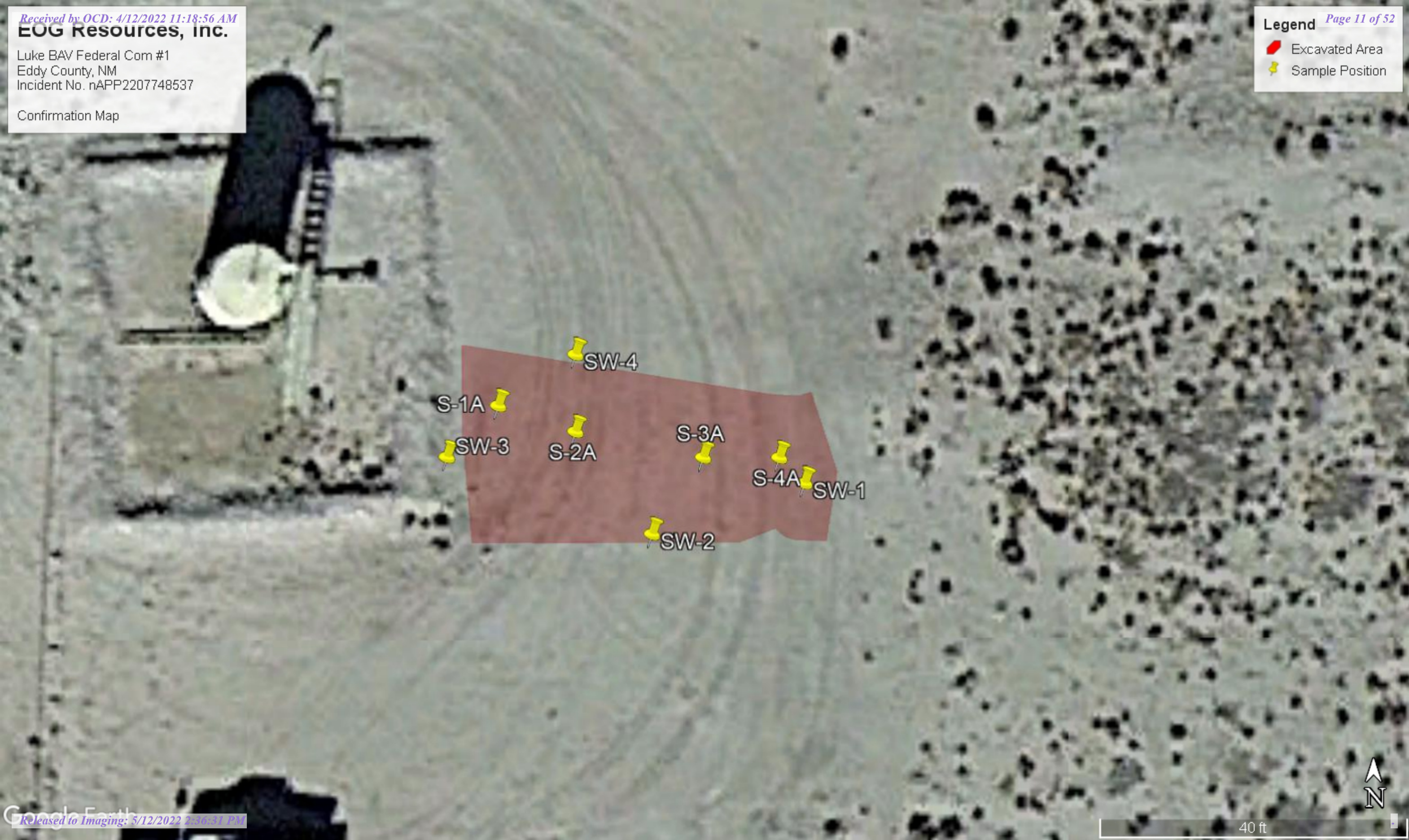
EOG Resources

Luke BAV Federal Com #001
Eddy County, NM
Assesment Map

Legend

- Sample Point
- Spill Area







Appendix II

Groundwater Data, & Soil Survey








(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD	County	Q Q Q					Rng	X	Y	Distance	Depth	Well	Depth	Water	Column
		Sub-basin		64	16	4	Sec	Tws									
RA 06432		RA	CH	2	3	28	20S	23E	528356	3600600*		4174	1950				
RA 03553		RA	ED				27	20S	23E	530170	3600806*		4393	622		30	592
RA 10444		RA	ED	3	3	2	27	20S	23E	530277	3600916*		4524	1080		675	405
RA 11300	POD1	RA	ED	1	1	4	07	21S	23E	533742	3595158		4719	550		390	160
RA 08051		RA	ED	1	1	4	07	21S	23E	533774	3595066		4777	300		180	120

318 feet

30 feet

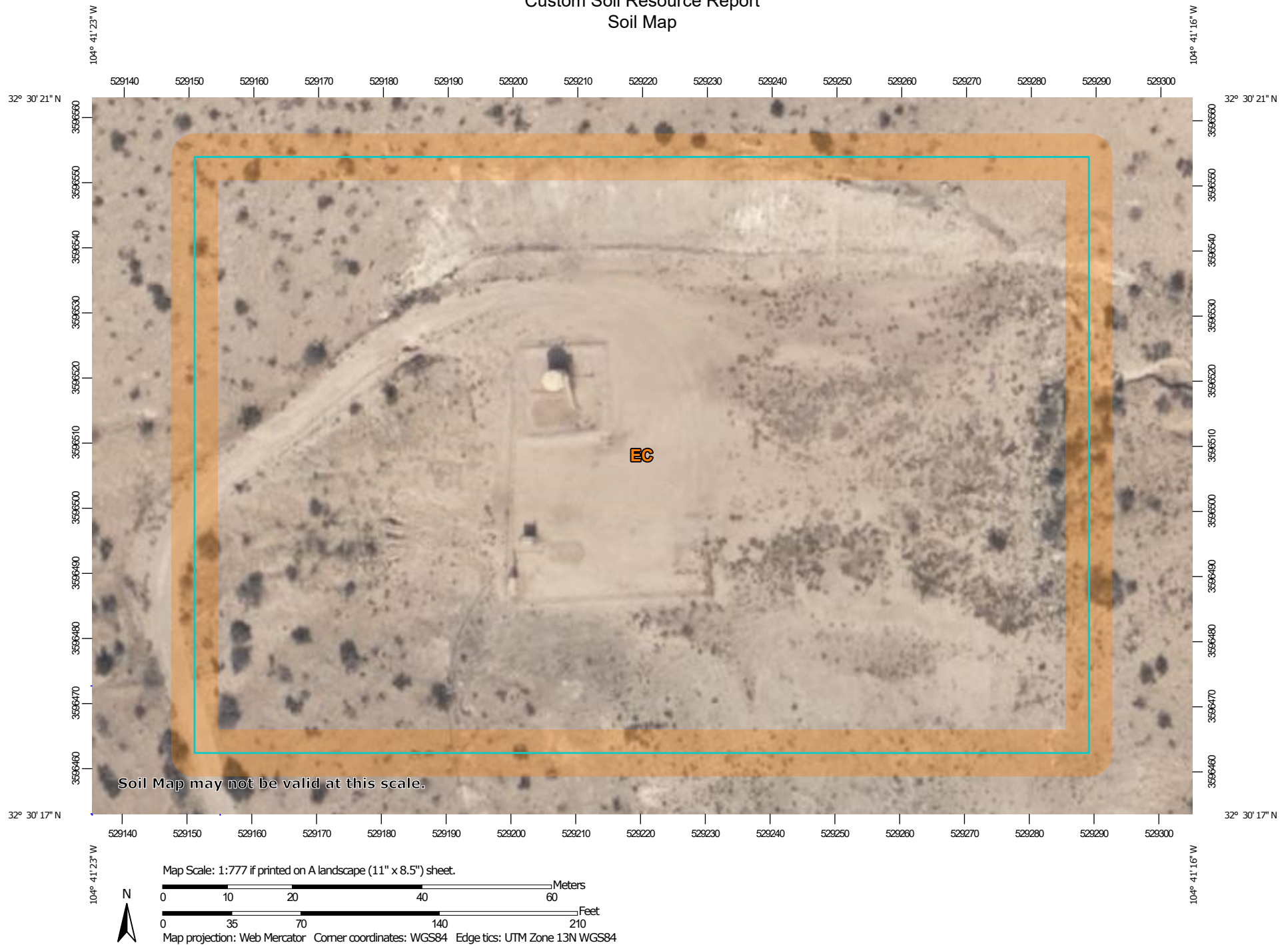
675 feet

UTMNAD83 Radius Search (in meters):

Radius: 5000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

WATER COLUMN/ AVERAGE DEPTH TO
WATER

Custom Soil Resource Report
Soil Map

Custom Soil Resource Report

Eddy Area, New Mexico**EC—Ector stony loam, 0 to 9 percent slopes****Map Unit Setting**

National map unit symbol: 1w4b
Elevation: 3,300 to 4,800 feet
Mean annual precipitation: 10 to 18 inches
Mean annual air temperature: 58 to 62 degrees F
Frost-free period: 195 to 210 days
Farmland classification: Not prime farmland

Map Unit Composition

Ector and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ector**Setting**

Landform: Hills, ridges
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Crest, nose slope, side slope, head slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 6 inches: very cobbly loam
H2 - 6 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 4 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
 (0.06 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 0.5 inches)


Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070DY158NM - Very Shallow
Hydric soil rating: No

EOG Resources

Luke BAV Federal Com #001
Eddy County, NM
Topography Map

Legend

 Luke BAV Federal Com #001



EOG Resources

Luke BAV Federal Com #001
Eddy County, NM
Karst Map

Legend

-  Location
-  Medium





Appendix III
NMOCD Correspondence
C-141 Forms

From: [Jeremy Haass](#)
To: [Rebecca Pons](#)
Subject: FW: [EXTERNAL] Luke BAV Federal Com 1 (nAPP2207748537) Sampling Notification
Date: Thursday, March 31, 2022 2:14:45 PM
Attachments: [image001.jpg](#)
[image002.png](#)

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

FYI

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, March 31, 2022 10:34 AM
To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Luke BAV Federal Com 1 (nAPP2207748537) Sampling Notification

fyi

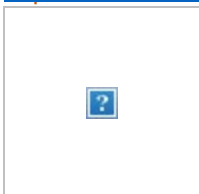
From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Wednesday, March 30, 2022 8:28 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: RE: [EXTERNAL] Luke BAV Federal Com 1 (nAPP2207748537) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, March 29, 2022 3:00 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; blm_nm_cfo_spill@blm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: [EXTERNAL] Luke BAV Federal Com 1 (nAPP2207748537) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Luke BAV Federal Com #1
J-3-21S-22E
Eddy County, NM
nAPP2207748537

Sampling will begin at 9:00 a.m. on Friday, April 1, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2207748537
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Jeremy Haass	Contact Telephone	575-748-1471
Contact email	Jeremy_Haass@eogresources.com	Incident #	nAPP2207748537
Contact mailing address	104 S. 4th Street, Artesia, NM 88210		

Location of Release Source

Latitude 32.505287 Longitude -104.68875
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Luke BAV Federal Com #1	Site Type	Wellhead
Date Release Discovered	3/17/2022	API#	30-015-31947

Unit Letter	Section	Township	Range	County
J	3	21S	22E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

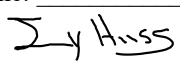
Cause of Release Historical impacts discovered beside the wellhead, no release volume is known or can be calculated. The environmental consultant investigating the impacted area determined on 03/17/2022 that due to the size of the impacted area footprint, that it most likely crossed the threshold for being a reportable quantity.

Incident ID	NAPP2207748537
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Jeremy Haass</u>	Title: <u>Sr. Safety & Environmental Specialist</u>
Signature: <u></u>	Date: <u>3/18/2022</u>
email: <u>jeremy_haass@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/21/2022</u>

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 91386

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 91386
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	3/21/2022

Incident ID	nAPP2207748537
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>30</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2207748537
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jeremy Haass Title: Sr. Safety & Environmental SpecialistSignature:  Date: 4/8/2022Email: Jeremy_Haass@eogresouces.com Telephone: 575-748-1471**OCD Only**

Received by: _____ Date: _____

Incident ID	nAPP2207748537
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jeremy Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 4/8/2022

Email: Jeremy_Haass@eogresouces.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2207748537
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jeremy Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 4/8/2022

Email: Jeremy_Haass@eogresouces.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix IV

Photographic Documentation



Photograph No.1 Description:

Historical impact at wellhead



Photograph No.2 Description:

Pad Impact



Photograph No.3 Description:

Excavation



Photograph No.4 Description:

Excavation looking West



Photograph No.5 Description:

Backfill of excavation



Photograph No.6 Description:

Backfilled to grade



Appendix V

Laboratory Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 14, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LUKE BAV FED COM 001

Enclosed are the results of analyses for samples received by the laboratory on 03/09/22 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/09/2022	Sampling Date:	03/07/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 1 0.5' (H220944-01)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	5.47	
Toluene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.03	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01	
Total BTEX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25600	16.0	03/11/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	221	110	200	10.2	
DRO >C10-C28*	12.7	10.0	03/11/2022	ND	188	94.2	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/09/2022	Sampling Date:	03/07/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 2 0.5' (H220944-02)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	5.47		
Toluene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01		
Total BTEx	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36800	16.0	03/11/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	221	110	200	10.2	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	188	94.2	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/09/2022	Sampling Date:	03/07/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 3 0.5' (H220944-03)

BTX 8021B			mg/kg							
			Analyzed By: MS\							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	5.47		
Toluene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01		
Total BTX	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	03/11/2022	ND	400	100	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	221	110	200	10.2		
DRO >C10-C28*	13.6	10.0	03/11/2022	ND	188	94.2	200	23.1		
EXT DRO >C28-C36	11.4	10.0	03/11/2022	ND						

Surrogate: 1-Chlorooctane 92.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/09/2022	Sampling Date:	03/07/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 4 0.5' (H220944-04)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	5.47		
Toluene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01		
Total BTEx	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/11/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	221	110	200	10.2	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	188	94.2	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/09/2022	Sampling Date:	03/07/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 5 0.5' (H220944-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	5.47		
Toluene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01		
Total BTEx	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/11/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	221	110	200	10.2	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	188	94.2	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/09/2022	Sampling Date:	03/07/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 6 0.5' (H220944-06)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	3.77	QR-03
Toluene*	<0.050	0.050	03/12/2022	ND	2.01	100	2.00	4.41	QR-03
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.01	100	2.00	3.79	QR-03
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	103	6.00	2.92	QR-03
Total BTX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/11/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	221	110	200	10.2	
DRO >C10-C28*	13.0	10.0	03/11/2022	ND	188	94.2	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.6 % 59.5-142

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 07, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LUKE BAV FED COM 001

Enclosed are the results of analyses for samples received by the laboratory on 04/04/22 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 1 A 3' (H221324-01)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52	
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38	
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55	
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31	
Total BTX	<0.300	0.300	04/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	QM-07
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 2 A 3' (H221324-02)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTEX	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 3 A 3' (H221324-03)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTEX	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: S - 4 A 3' (H221324-04)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTX	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: SW 1 (H221324-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTEx	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: SW 2 (H221324-06)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTEx	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: SW 3 (H221324-07)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTEx	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/05/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/04/2022	Sampling Date:	04/01/2022
Reported:	04/07/2022	Sampling Type:	Soil
Project Name:	LUKE BAV FED COM 001	Sampling Condition:	Cool & Intact
Project Number:	700438.291.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - EDDY CO NM		

Sample ID: SW 4 (H221324-08)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2022	ND	2.17	109	2.00	7.52		
Toluene*	<0.050	0.050	04/05/2022	ND	2.16	108	2.00	8.38		
Ethylbenzene*	<0.050	0.050	04/05/2022	ND	2.14	107	2.00	7.55		
Total Xylenes*	<0.150	0.150	04/05/2022	ND	6.63	111	6.00	7.31		
Total BTEX	<0.300	0.300	04/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/05/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2022	ND	178	89.2	200	0.584	
DRO >C10-C28*	<10.0	10.0	04/05/2022	ND	202	101	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	04/05/2022	ND					

Surrogate: 1-Chlorooctane 75.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.6 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE
Project Manager:

Address: 408 W. Texas Ave
City: Artesia

Phone #: 575.746.8768 State: NM Zip: 88210
Fax #:

Project #: 200438291.01 Project Owner: COCA
Project Name: Lake BAW Fed Co #1

Project Location: EDDY
Sample Name: A. PENA / MTTGAMER

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H021324

51A 3'

52A 3'

53A 3'

54A 3'

501

502

503

504

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District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 97825

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 97825
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2207748537 LUKE BAV FEDERAL COM #1, thank you. This closure is approved.	5/12/2022