

Closure Report

INCIDENT ID#nAPP2426039329

Site Description

Site Name:	AVOGATO 30-31 ST COM 0021H
Company:	Oxy USA, Inc.
Legal Description:	U/L C, Section 30, T22S, R33E
County:	Lea County, NM
GPS Coordinates:	N 32.36901 ,W-103.61503

Release Data

Date of Release:	9/15/2024
Type of Release:	PRODUCED WATER ,PRODUCED OIL
Source of Release:	UNDERGROUND FLOW LINE LEAK
Volume of Release:	8 BBLS , 2BBLS
Volume Recovered:	0BBLS , 0 BBLS

Remediation Specifications

Remediation Parameters:	<p>OXY excavated the spill area as depicted on the following site diagram. The entire leak area (BLUE shade on diagram) was excavated to a depth of 2' feet OXY collected bottom and sidewall confirmation samples every 200 square feet.</p>
Remediation Activities:	10/04/24 TO 11/13/2024

Plan Sent to OCD:		
OCD Approval of Plan:		
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 11/04/24, 11/05/24,11/12/24	
Notifications	10/30/2024	





Request for Closure

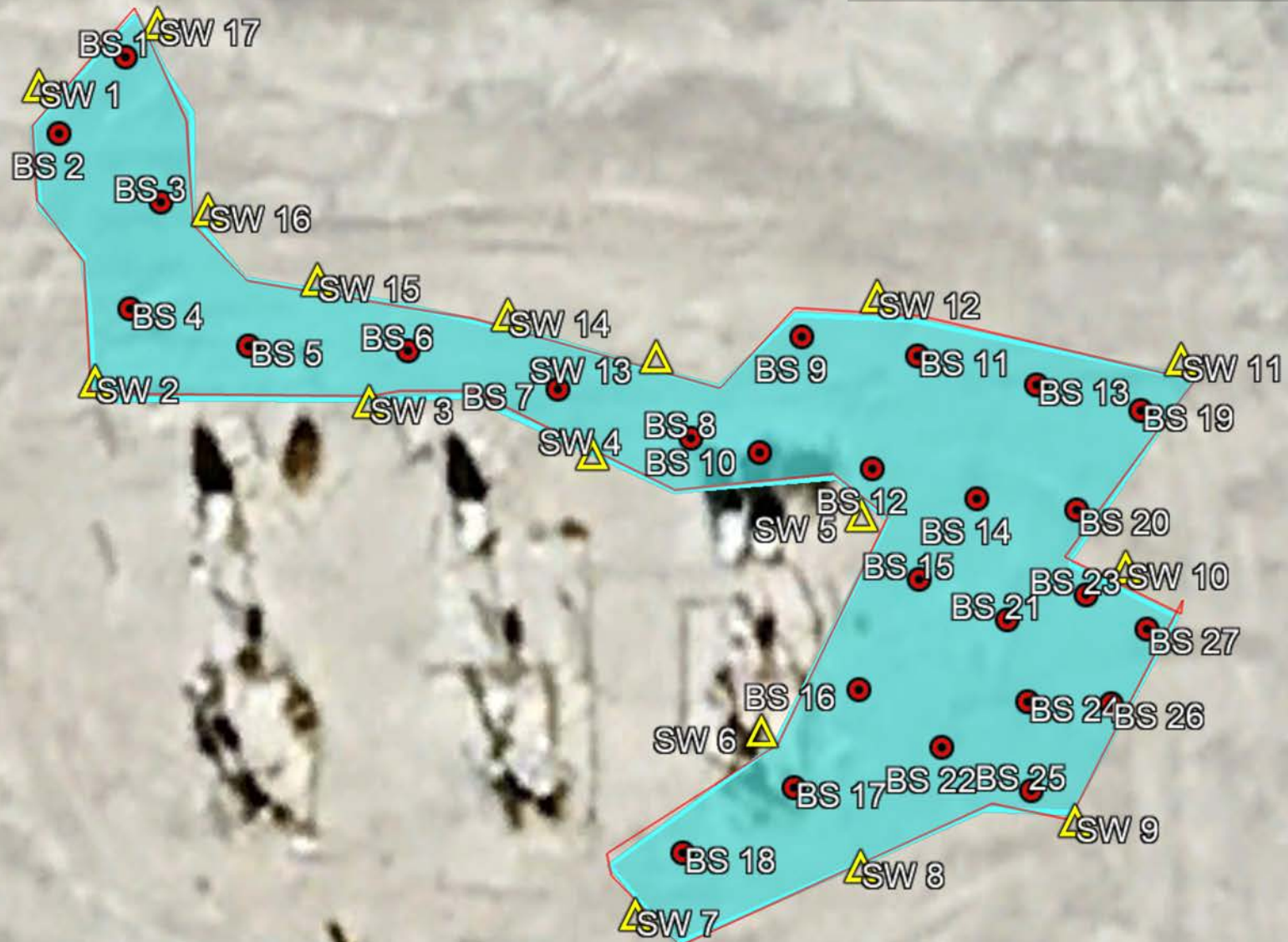
Based on the completion of the remediation, OXY requests closure approval from the NMOCD. Cliff Brunson, President of BBC International Inc.	12/12/2024
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OXY, AVOGATO 30-31 STATE COM 21H

LEAK DATE : 9/15/2024
LEA COUNTY, NM
ID#nAPP2426039329

Legend

-  2' Excavation
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS



Google Earth

OXY, AVOGATO 30-31 STATE COM 21H (9/15/24) SAMPLE DATES : 11/4/24 , 11/5/24

BOTTOM SAMPLE POINTS

BS 1@2'	N 32.369224	W-103.615489
BS 2@2'	N 32.369196	W-103.615519
BS 3@2'	N 32.369170	W-103.615474
BS 4@2'	N 32.369130	W-103.615487
BS 5@2'	N 32.369116	W-103.615434
BS 6@2'	N 32.369114	W-103.615364
BS 7@2'	N 32.369100	W-103.615298
BS 8@2'	N 32.369082	W-103.615239
BS 9@2'	N 32.369120	W-103.615190
BS 10@2'	N 32.369077	W-103.615209
BS 11@2'	N 32.369113	W-103.615139
BS 12@2'	N 32.369071	W-103.615159
BS 13@2'	N 32.369102	W-103.615086
BS 14@2'	N 32.369059	W-103.615113
BS 15@2'	N 32.369029	W-103.615139
BS 16@2'	N 32.368989	W-103.615166
BS 17@2'	N 32.368953	W-103.615194
BS 18@2'	N 32.368929	W-103.615243
BS 19@2'	N 32.369092	W-103.615040
BS 20@2'	N 32.369055	W-103.615069
BS 21@2'	N 32.369014	W-103.615100
BS 22@2'	N 32.368967	W-103.615129
BS 23@2'	N 32.369024	W-103.615065
BS 24@2'	N 32.368984	W-103.615091
BS 25@2'	N 32.368951	W-103.615090
BS 26@2'	N 32.368983	W-103.615054
BS 27@2'	N 32.369011	W-103.615038

SIDEWALL SAMPLE POINTS

SW 1	N 32.369213	W-103.615528
SW 2	N 32.369103	W-103.615502
SW 3	N 32.369095	W-103.615832
SW 4	N 32.369076	W-103.615283
SW 5	N 32.369053	W-103.615164
SW 6	N 32.368973	W-103.615209
SW 7	N 32.368906	W-103.615264
SW 8	N 32.368923	W-103.615166
SW 9	N 32.368940	W-103.615071
SW 10	N 32.369033	W-103.615048

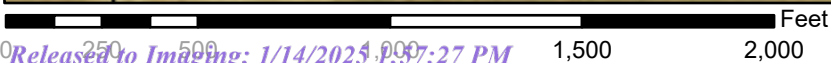
SW 11	N 32.369111	W-103.615023
SW 12	N 32.369134	W-103.615157
SW 13	N 32.369112	W-103.615255
SW 14	N 32.369127	W-103.615321
SW 15	N 32.369140	W-103.615405
SW 16	N 32.369167	W-103.615453
SW 17	N 32.39236	W-103.615476

[illegible][illegible][illegible]

National Flood Hazard Layer FIRMette



103°37'14"W 32°22'24"N



1:6,000

103°36'37"W 32°21'53"N

Released to Imaging: 1/14/2025 4:00:27 PM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.




This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

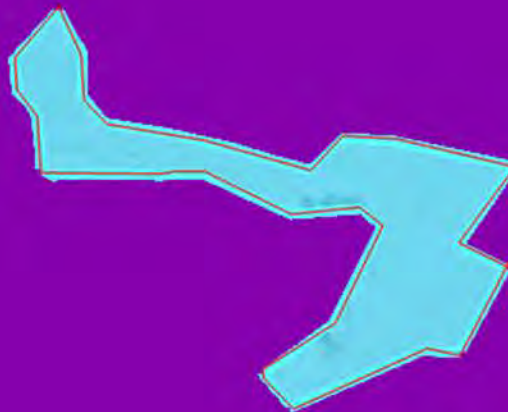
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2024 at 4:33 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

AVOGATO 30-31 STATE COM 21H

LEAK DATE : 9/15/2024
LEA COUNTY, NM
ID#nAPP2426039329

- Legend**
-  2' Excavation
 -  LEAK AREA
 -  Low



Google Earth



200 ft

File No. C-04782 PoD 1



NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose: ☐ Pollution Control And/Or Recovery ☐ Ground Source Heat Pump
☐ Exploratory Well*(Pump test) ☐ Construction Site/Public Works Dewatering ☒ Other(Describe): Test boring depth to water
☐ Monitoring Well ☐ Mine Dewatering

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Temporary Request - Requested Start Date: 5/1/2023

Requested End Date: 8/1/2023

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

1. APPLICANT(S)

Name: Solaris Water Midstream	Name:
Contact or Agent: check here if Agent <input type="checkbox"/> Rob Kirk	Contact or Agent: check here if Agent <input type="checkbox"/>
Mailing Address: 3305 Boyd Drive	Mailing Address:
City: Carlsbad	City:
State: NM Zip Code: 88220	State: Zip Code:
Phone: 469-978-5620 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work):
E-mail (optional): rob.kirk@ariswater.com	E-mail (optional):

00000 MAY 10 2023 4:55

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 07/12/22

File No.: C-04782

Trn. No.: 752078

Receipt No.: 2-45785

Trans Description (optional):

Sub-Basin: CUB

PCW/LOG Due Date: 10/15/24

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.			
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> UTM (NAD83) (Meters) <input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second) <input type="checkbox"/> NM West Zone <input type="checkbox"/> Zone 12N <input type="checkbox"/> NM East Zone <input type="checkbox"/> Zone 13N <input type="checkbox"/> NM Central Zone			
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
TB-1 C-04782 POD	-103.619787	32.339152	SE/4 NE/4 NE/4 Sec 1, T23S R33E
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Other description relating well to common landmarks, streets, or other:			
9.1-miles north of Hwy 128, southwest of Antelope ridge.			
Well is on land owned by: SLO			
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Approximate depth of well (feet): 105-ft		Outside diameter of well casing (inches): 5" if necessary for hole	
Driller Name: Jason Maley		Driller License Number: WD 1690	

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The boring will be backfilled after depth to groundwater (or absence) in the upper 105-ft is confirmed. The plugging and abandonment plan is attached. The boring will be 6.25" diameter. therefore, 22.4-cubic feet of bentonite chips will be added to the borehole. Will hydrate at 5-gallons per 50-pound sack of bentonite. Bentonite chips and water will be added in lifts. Bentonite chips below 20-ft will be tremied into the borehole.

09E 07 SEP 14 2023 PM2:33

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: C-04782 POD

Trm No.: 752078

Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input checked="" type="checkbox"/> Include a description of the requested pump test if applicable.	Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of. Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
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ACKNOWLEDGEMENT

I, We (name of applicant(s)) Rob Kirk

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 16th day of October 20 23, for the State Engineer,

Mike A. Hamman, P.E.

State Engineer

2023 OCT 16 2023

By: K. Parekh
Signature

Print

Title: Water Resource Manager I
Print



FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: C-04782 Add1

Trn No.: 752078

Page 3 of 3

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04782 POD1

File Number: C 04782

Trn Number: 752078

page: 1

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04782 POD1

File Number: C 04782

Trn Number: 752078

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04782 POD1 must be completed and the Well Log filed on or before 10/15/2024.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 05/18/2023	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 16 day of Oct A.D., 2023

Mike A. Hamman, P.E., State Engineer

By:

K. Parekh
KASHYAP PAREKH



Trn Desc: C 04782 POD1

File Number: C 04782

Trn Number: 752078

Chavez, Rodolfo, OSE

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Tuesday, October 17, 2023 11:46 AM
To: Chavez, Rodolfo, OSE; Henne, Lisa
Subject: [EXTERNAL] RE: Scanned from a Xerox Multifunction Printer

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

Rudy,

NMSLO Environmental Compliance Office has reviewed the OSE application from Solaris Water Midstream and approves the location of the following proposed soil borings.

TB-1 to be located at 32.339152, -103.619787

Thank you

PLEASE SUBMIT WORKPLANS AND REPORTS TO ECO@SLO.STATE.NM.US

Tami Knight, CHMM
Environmental Specialist
SRD-Environmental
Compliance Office (ECO)
505.670.1638
New Mexico State Land Office
1300 W. Broadway Avenue, Suite A
Bloomfield, NM 87413
tknight@slo.state.nm.us
nmstatelands.org

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-----Original Message-----

From: Chavez, Rodolfo, OSE <Rodolfo.Chavez@ose.nm.gov>
Sent: Tuesday, October 17, 2023 9:56 AM
To: Henne, Lisa <lhenne@slo.state.nm.us>
Cc: Knight, Tami C. <tknight@slo.state.nm.us>

OSE DT OCT 17 2023 PM 4:35

Subject: [EXTERNAL] FW: Scanned from a Xerox Multifunction Printer

Good morning,

Please review the attached application for Solaris Water Midstream. We have given the application a file number but the application has not been finalized or processed. If you have any questions, don't hesitate to reach out.

Thank You,

Rudy Chavez
Engineering Tech. II
OSE-D2
Roswell, NM
575 622-6521

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 752078
File Nbr: C 04782

Oct. 16, 2023

ROB KIRK
SOLARIS WATER MIDSTREAM
3305 BOYD DRIVE
CARLSBAD, NM 88220

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

Enclosure

explore

**NEW MEXICO STATE LAND OFFICE
APPLICATION FOR A
GEOTECHNICAL RIGHT OF ENTRY
ON STATE TRUST LAND**

FOR LAND OFFICE USE ONLY

ROE No.: _____

STID No.: _____

Phone: _____

TO: Commissioner of Public Lands
Post Office Box 1148
Santa Fe, New Mexico 87504-1148

Date of Application: _____

FROM: Solaris Water Midstream, LLC (Company Name)
Rob Kirk (Contact Name)
3305 Boyd Dr (Street Address/PO Box)
Carlsbad, NM, 88220 (City, State, Zip)
575-300-5155 (Phone #)
Rob.kirk@ariswater.com (Email Address)

PLEASE SUBMIT ALL REQUESTED INFORMATION AS AN ATTACHMENT TO THIS FORM

I, Rob Kirk, whose address is listed above, am a citizen, or eligible to _____, (Company/Corporation Name)

become a citizen of the United States, over the age of twenty-one years (or a corporation qualified to do business in New Mexico) do hereby make application for a Right of Entry Permit for the purpose of geotechnical investigation upon the following described lands, or such portion thereof as may be available for leasing, situated in the County/Countries of Lea County, State of New Mexico:

Subdivision (Qtr/Qtr)	Section	Township	Range	Lat/Long Coordinates
6	23 S	33 E	32.339152,-103.619787	
6	23 S	33 E	32.339152,-103.619787	
6	23 S	33 E	32.339152,-103.619787	

containing _____ acres, more or less; and do tender as rental, the sum of \$500.00 together with an application fee of \$50.00. I request this ROE be granted from 18 Sept 2023 to 6 Mar 2024 (insert date range not to exceed 180 days).

CULTURAL RESOURCE PROTECTION

Parties are expected to review and abide by the laws and rules related to the protection of cultural properties, including the Cultural Properties Protection Rule (19.2.24 NMAC). Please indicate whether you have signed the enclosed Acknowledgment Form. Yes ☒ No ☐

The NMSLO Cultural Resources Cover Sheet (Exhibit _____) provided to you by the archaeological consultant is attached to your application and indicates whether:

an ARMS Inspection ☐ or an Archaeological Survey ☐ has been conducted for this project. (see 19.2.24.9 & 19.2.24.10 NMAC for exceptions of certain categories of activity that do not require an ARMS inspection or survey).

Does your project involve federal or other state agencies? Yes ☒ No ☐

In addition to complying with the requirements of the Cultural Properties Protection Rule, parties also must comply with all other applicable state and federal laws and rules, including laws and rules pertaining to endangered and threatened species and habitat protection.

NOTE TO APPLICANTS: Completion and submission of this application does NOT constitute issuance of a Right of Entry by the New Mexico State Land Office. The application fee is non-refundable. Any other payments submitted with this application will be deposited in a suspense account as provided by law, and do not obligate the Commissioner of Public Lands to issue a Right of Entry. Rental payments are subject to refund only if the application is denied or withdrawn prior to approval.

Rev. 12/22

Solaris Water Midstream, LLC

I, _____, the above applicant, do solemnly swear, or
affirm, that each **Solaris Water Midstream, LLC**

(Company/Corporation Name)

and every statement made in this application is true and correct to the
best of my knowledge and belief.


Applicant

By: _____

Attorney in Fact or Authorized Agent

Include an attachment or insert a description/plan of activities & equipment
to be used in the box below. Outline the # of pits to be dug, # of holes
to be drilled, type work or sampling to be conducted, etc..

VP Environmental Compliance

(Title of Authorized Agent)

Large empty box for attachment or description/plan of activities & equipment.

NOTE TO APPLICANTS: Completion and submission of this application does NOT constitute issuance of a Right of Entry by the New Mexico State Land Office. The application fee is non-refundable. Any other payments submitted with this application will be deposited in a suspense account as provided by law, and do not obligate the Commissioner of Public Lands to issue a Right of Entry. Rental payments are subject to refund only if the application is denied or withdrawn prior to approval.

Rev 12/22



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

CULTURAL PROPERTIES PROTECTION ACKNOWLEDGMENT FORM

Exhibit _____

All lessees, operators, grantees, permittees, and/or applicants (collectively, "Parties") requesting any authorization from the Commissioner of Public Lands, or conducting any project or activity on state trust land, are expected to review and abide by all applicable laws and rules related to the protection of cultural properties on state land, including the New Mexico State Land Office's ("NMSLO") Cultural Properties Protection Rule, 19.2.24 NMAC. The Cultural Properties Protection Rule can be viewed at <https://www.nmstatelands.org/culturalproperties/>.

Parties conducting surface-disturbing activity on state trust land must follow the procedures and timelines outlined in 19.2.24.8 NMAC. To minimize processing delays, Parties are strongly encouraged to supply NMSLO with appropriate documentation as early as possible pursuant to 19.2.24.8 (C), (D), (E) & (F) NMAC. Parties are advised to always exercise due caution to ensure that cultural properties on state trust land are not inadvertently excavated, disturbed, dislodged, damaged, destroyed, or removed by any person, pursuant to the Cultural Properties Protection Rule, 19.2.24.8 (A) NMAC and Section 18-6-9 (A) and (B), NMSA 1978.

By signing this acknowledgment form, Parties affirm that they have read this document, including the accompanying Instructions for Compliance, and have reviewed and agree to comply with NMSLO's Cultural Properties Protection Rule. If a Party is other than a natural person, the individual signing below attests that they have the authority to execute this acknowledgment on behalf of and bind that Party.

Type and Number of Instrument (Lease Number):

(Required for Oil & Gas Leases-eg. VB06320001; include if available for other leases: Business, Renewables, Minerals, Water Bureau, ROW or Agricultural leases-eg. BL05220001, GR0232, R40893, SW0520, HA0102)

DEC 20 2023 2:14 PM

Name of Party (Company Name, if applicable): Solaris Water Midstream, LLC

Name of Signatory (Person Signing): Rob Kirk

Relationship to Party/Title (position): VP Environmental Compliance
(eg. lessee, operator, grantee, applicant, self or other)

Phone Number: 575-300-5755

Email Address: Rob.kirk@ariswater.com

Signature : _____

A handwritten signature in black ink, appearing to be "RRK", is written over a horizontal line.

Date: 15 Sept 2023

INSTRUCTIONS FOR COMPLIANCE

Cultural Properties Protection Rule (19.2.24 NMAC)

The following instructions apply to all lessees, operators, grantees, permittees, and/or applicants (collectively, "Parties") that intend to conduct new surface disturbing activities on state trust lands. The instructions provide additional guidance for fulfilling the requirements of NMSLO's Cultural Properties Protection Rule. A copy of the Cultural Properties Protection Rule can be found at <https://www.nmstatelands.org/culturalproperties/>.

We thank you in advance for your commitment to protecting New Mexico's past and living history. NMSLO encourages all Parties to provide current and accurate documentation as early as possible to minimize processing delays.

Please do not hesitate to reach out to the Cultural Resources Office at croinfo@slo.state.nm.us should you have any questions after reviewing these instructions or with NMSLO's cultural properties review process.

Part I: Archaeological Records Management Section (ARMS) Inspection (Records Review)

1. The ARMS inspection is a records review and should comply with the pre-field requirements of 4.10.15.9 NMAC. An ARMS inspection must be conducted prior to any new surface-disturbing activities, in compliance with 19.2.24.8 (C) NMAC. The specific timing of when an ARMS inspection is required depends on the category of activity, as described in 19.2.24.8 (E) NMAC. The Cultural Properties Protection Rule provides exceptions for certain categories of activity that do not require an ARMS inspection or survey; see 19.2.24.9 NMAC and 19.2.24.10 NMAC.
2. Parties are expected to engage a permitted archaeologist to conduct the initial ARMS inspection. Permitted archaeologists are referred to in these Instructions as "archaeological consultants." Only ARMS inspections from archaeological consultants will be accepted. The list of archaeological consultants in New Mexico is available at <http://www.nmhistoricpreservation.org/documents/consultants.html>. Scroll down past the headings for "Archaeological Permits" and "Official Scenic Markers" to "Preservation Consultants." Click on the pdf document titled "Cultural Resource Consultants." The list is updated regularly and arranged by county of location. Because costs vary, the NMSLO encourages Parties to contact more than one archaeological consultant.
3. The Party must provide the archaeological consultant with all relevant supporting documentation. This may include a description of the project, cadastral plats, and location information in digital form (ArcGIS shape files, kml/kmz format, GPS coordinates, CAD drawings, plats, or accurate depictions on USGS 1:24000 quadrangles).
4. The archaeological consultant will conduct an ARMS inspection of the entire area of potential effect (APE). Based on the ARMS inspection, the findings will be summarized into one of three results as indicated on the NMSLO Cultural Resources Cover Sheet ("Cover Sheet"). The Cover Sheet is a fillable PDF form (available from the Web Portal and also from NMSLO's website and Cultural Resources Office):
 - (A) ___ The entire area of potential effect or project area has been previously surveyed to current standards and **no** cultural properties were found within the survey area.
 - (B) ___ The entire area of potential effect or project area has been previously surveyed to current standards and cultural properties were found within the survey area.
 - (C) ___ The entire area of potential effect or project area has **not** been previously surveyed or has not been surveyed to current standards. A complete archaeological survey must be conducted and submitted for review.
5. If the ARMS inspection indicates that the entire APE has been previously surveyed and no cultural properties were located (**result A above**), NMSLO's Cultural Resources Office and the relevant leasing

division (e.g. Water Bureau, Minerals; Agricultural Leasing; Business Leasing, Renewable Energy, Rights-of-Way, etc.) will complete the process of review and approval. In the case of oil and gas lease projects, once the Cultural Resources Office reviews and approves the ARMS inspection results, no further archaeological review is required and the project may proceed.

6. For the ARMS Review (**result A above**), the archaeological consultant will complete and submit the ARMS Inspection/Desktop Review web form on the Cultural Compliance Web Portal (Web Portal), available at <http://culturalcompliance.nmstatelands.org/>. NMSLO's Cultural Resources Office will have immediate access to the submitted web form and accompanying documents.
7. If the ARMS inspection result indicates a previous survey showing the presence of cultural properties within the APE (**result B above**), the Party must propose avoidance and protection measures for the project as designed in collaboration with their archaeological consultant.
8. If the ARMS inspection shows that the entire APE has **not** been subject to archaeological survey or to a current standards survey (**result C above**), a complete archaeological survey must be conducted. The new survey need not include areas already subjected to acceptable surveys. See continued instructions below, Part II.
9. Because specific locational information of cultural properties that may be contained in an ARMS inspection or archaeological survey is confidential under New Mexico law (see Cultural Properties Act, Section 18-6-11.1, NMSA 1978, and Section 19-1-2.1, NMSA 1978), Parties should expect to receive a copy only of the Cover Sheet from their archaeological consultant, and should forward the Cover Sheet to the appropriate NMSLO leasing division with their application.
10. Parties conducting project activities on state land under oil and gas leases, like other Parties, will receive a copy of the Cover Sheet from their archaeological consultant. To provide information on their upcoming projects on state land, Parties will then fill in the Oil and Gas Project Description Web Form at <http://culturalcompliance.nmstatelands.org/> and will submit, along with the Cover Sheet, any necessary documentation for cultural compliance review pursuant 19.2.24.8 (E)(3) NMAC. Only on-lease oil and gas projects with activities that are not included in any other lease application at NMSLO (eg. Business or Right of Way) should utilize the Web Portal.

Part II: Archaeological Surveys and Compliance Measures

1. If the ARMS inspection, in compliance with 19.2.24.8 NMAC, indicates that the entire APE has not been subject to archaeological survey (see Part I, Para. 4, **result C**), a complete archaeological survey must be conducted to current standards in compliance with 4.10.15 NMAC. The new survey need not include areas already subjected to acceptable surveys.
2. In compliance with 19.2.24.8 (F) NMAC, at least 15 calendar days prior to any survey activities, the archaeological consultant should fill in and submit a Notification of Intent to Conduct an Archaeological Survey through the Web Portal at <http://culturalcompliance.nmstatelands.org/>.
3. Only archaeological surveys from archaeological consultants will be accepted and must be conducted under current standards in compliance with 4.10.15 NMAC. Information on how to access the list of archaeological consultants is listed in Part I, Para. 2 above. NMSLO encourages Parties to contact more than one archaeological consultant in your location as proximity will be a factor in estimated costs of an archaeological survey.
4. Parties will be expected to design their project to avoid any cultural properties identified within the APE (as recorded on the Cover Sheet in Part I, Para. 4, **result B**) by the archaeological survey obtained in conjunction with a project or by pre-existing surveys, or provide other mitigation measures in collaboration with their archaeological consultant. Parties are encouraged to provide NMSLO with appropriate current and accurate documentation of the proposed activity as early as possible (preferably at least sixty calendar days prior to any surface disturbing activity) to minimize processing delays and ensure implementation of avoidance and protection measures.

- a. Pursuant to the Cultural Properties Protection Rule, 19.2.24.12 (A) NMAC, if any Party becomes aware of actual or imminent damage to cultural properties on state trust lands where that Party is conducting activities, that Party shall immediately notify NMSLO and suspend project activities in the immediate area of the damage or the threatened cultural property. Activities shall remain suspended until the State Historic Preservation Officer and NMSLO approve resumption of activities.
 - b. A Party that damages cultural properties on state trust land is responsible for the cost of an archaeological damage assessment, plus the remediation value of the affected cultural property as determined by that damage assessment. In addition, the Commissioner of Public Lands may file an action to recover an amount equal to twice the cost of restoration, stabilization, and interpretation of the damaged cultural property, in accordance with the Cultural Properties Act, Section 18-6-11.2(C), NMSA 1978.
5. The archaeological consultant, upon completion of the survey report, should submit the fillable, completed Cover Sheet to croinfo@slo.state.nm.us with any relevant questions.

Pursuant to the requirements of 4.10.8.18 NMAC, the Cultural Resources Office will review a complete copy of the survey report, its findings and any required compliance (avoidance or mitigation) measures and recommend revisions, if applicable. The Cultural Resources Office will provide further guidance on how archaeological consultants should submit complete survey reports and any required compliance measures for review.

The Cultural Resources Office additionally may request electronic files of survey report(s), sites, location of findings, or survey areas in order to complete its review, all of which should be sent to croinfo@slo.state.nm.us.

6. The complete results of an archaeological survey are confidential under New Mexico law (see Cultural Properties Act, Section 18-6-11.1, NMSA 1978, and Section 19-1-2.1, NMSA 1978).
 - a. Upon approval of the final archaeological survey report and its findings/recommendations, the archaeological consultant will upload the final archaeological report along with all supporting documentation to the New Mexico Cultural Resources Information System (NMCRIS). Parties should expect to receive a copy of the Cover Sheet from their archaeological consultant, and should forward it to the appropriate leasing division with their application.
 - b. In the case of oil and gas leases only, Parties themselves will upload the Cover Sheet along with their Project Description Web Form documentation submitted via the Web Portal at <http://culturalcompliance.nmstatelands.org/>.
7. The website <http://nmstatelands.org/cultural-resources-office/> contains a list of State Trust Land Archaeologists within NMSLO's Cultural Resources Office (along with related contact info) to whom questions can be addressed.
8. Below is a list of useful links, emails, and phone numbers:
 - a. Cultural Compliance Portal: <http://culturalcompliance.nmstatelands.org>
 - b. Cultural Resources Office Website: <http://www.nmstatelands.org/cultural-resources-office/>
 - c. Cultural Properties Protection Rule and FAQs: <http://www.nmstatelands.org/culturalproperties/>
 - d. Historic Preservation Division-List of Archaeological consultants: <http://www.nmhistoricpreservation.org/documents/consultants.html>
 - e. Inquiries to the Cultural Resources Office: croinfo@slo.state.nm.us
 - f. Main New Mexico State Land Office phone number: 505-827-5760

Chavez, Rodolfo, OSE

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Thursday, August 17, 2023 3:49 PM
To: Chavez, Rodolfo, OSE
Cc: Henne, Lisa; Crosby, Faith; Gallegos, David; SLO Surface ECO
Subject: [EXTERNAL] RE: Solaris Water Midstream (3) Test Borings

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

Rudy,

NMSLO Environmental Compliance Office has reviewed the OSE applications from Solaris Water Midstream and approves the locations of the following proposed soil borings.

- TB-1 to be located at 32.51011, -103.5738
- TB-2 to be located at 32.12183, -104.070718

As we discussed on the telephone, the Solaris Water Midstream application for TB-1 located at 32.339152, -103.619787 is actually located on State Trust Land surface and not BLM. This information will need to be corrected in the application. Furthermore, Solaris will need to obtain a geo-technical right of entry from NMSLO prior to the approval of the subject OSE application.

Thank you

**Environmental Compliance Office**

Surface Resources Division

eco@slo.state.nm.us

nmstatelands.org



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From: Chavez, Rodolfo, OSE <Rodolfo.Chavez@ose.nm.gov>
Sent: Thursday, August 17, 2023 9:43 AM
To: Henne, Lisa <lhenne@slo.state.nm.us>
Subject: [EXTERNAL] Solaris Water Midstream (3) Test Borings

Good morning,

Can you please review the attached applications for Solaris Water Midstream at your earliest convenience.

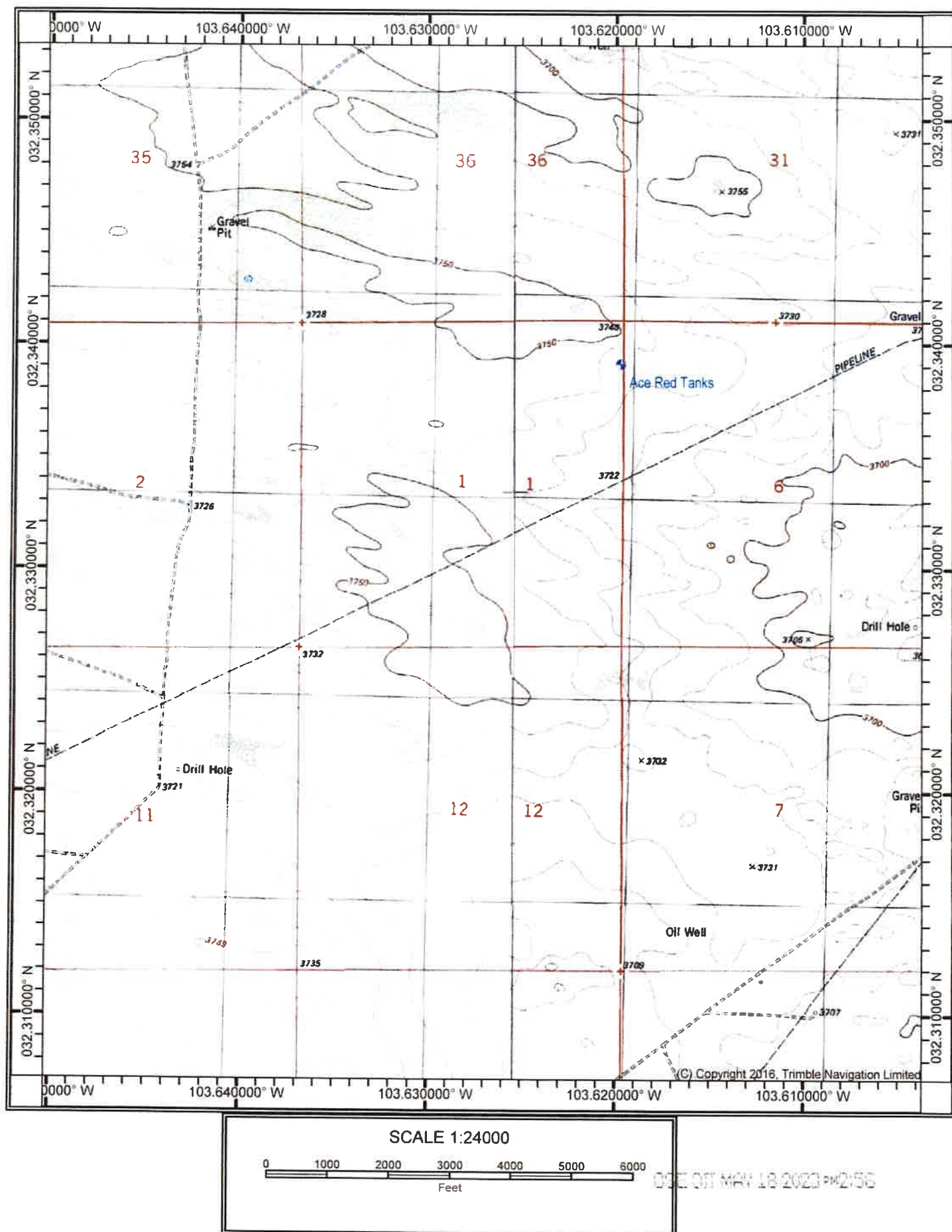
Thank you

Rudy Chavez

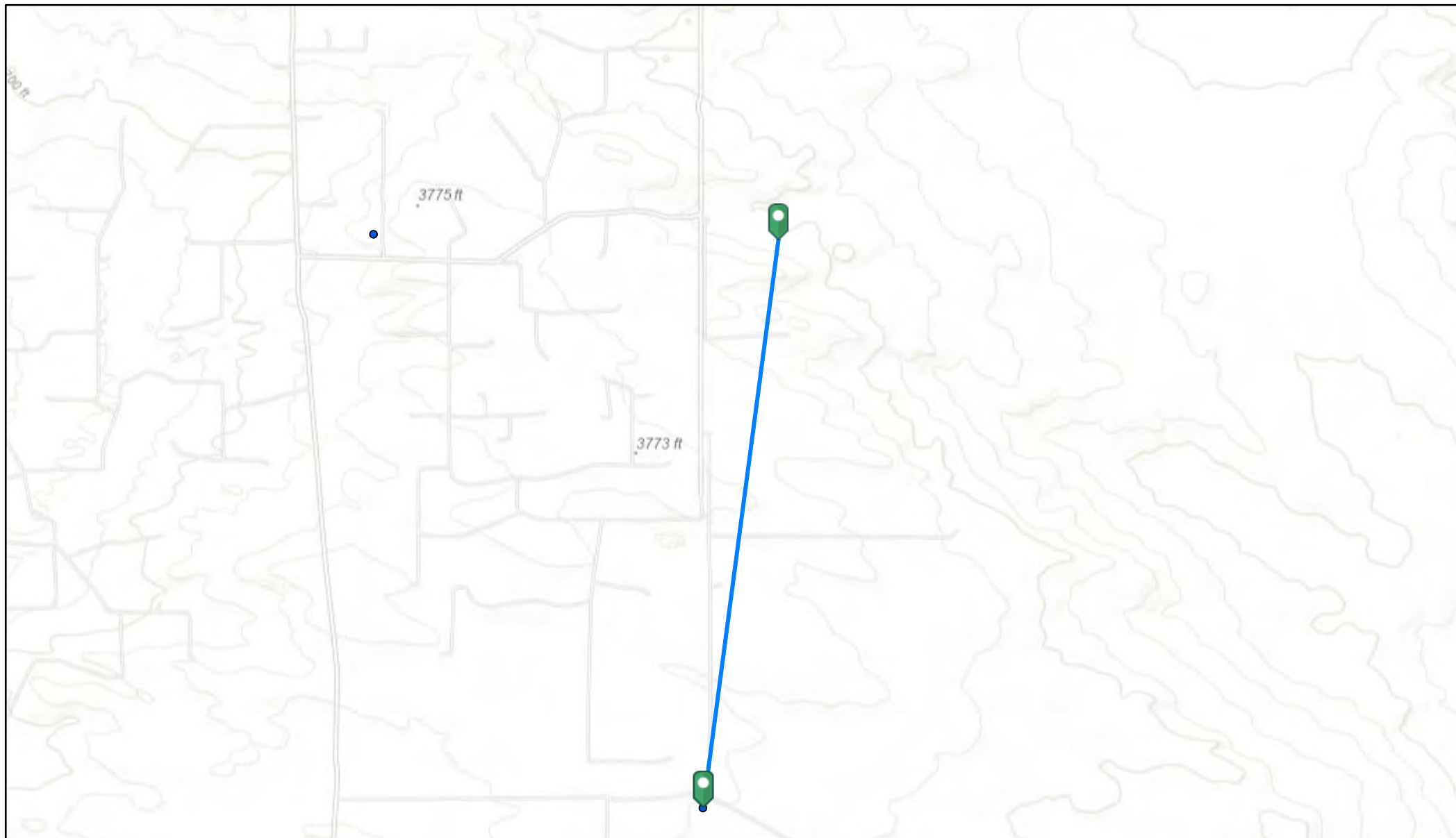
Engineering Tech II

OSE-D2

(575)622 6521

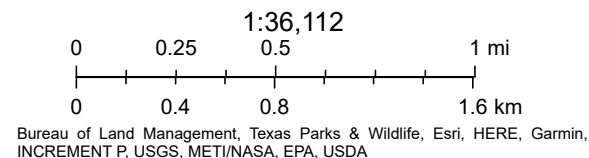


OXY, AVOGATO 30-31 STATE COM 21H (9/15/24) 2.06 MILES OR 10,857.5 FEET TO WATER POD

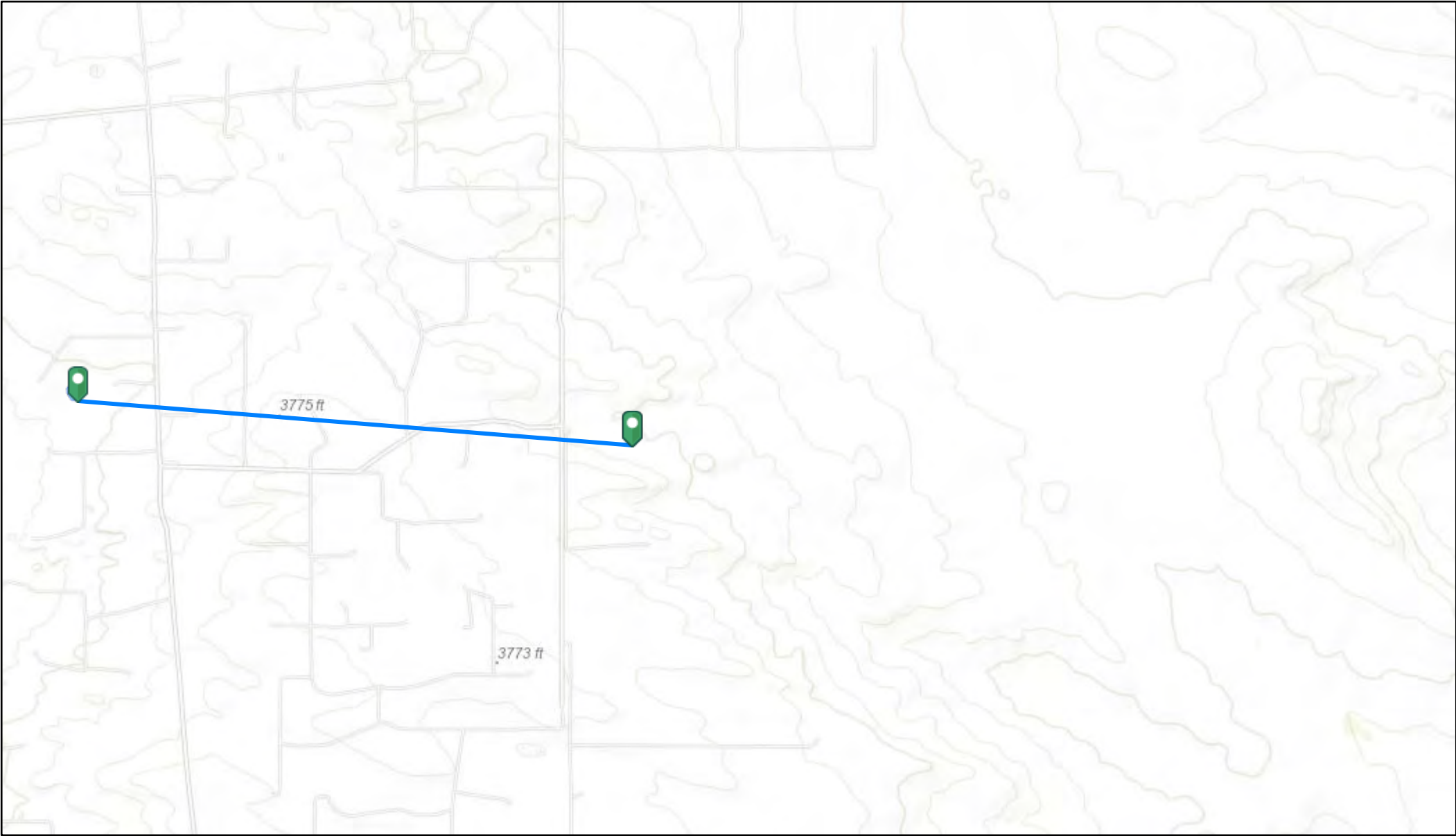


11/20/2024, 2:08:22 PM

• OSE Water PODs

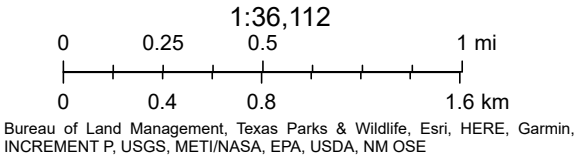


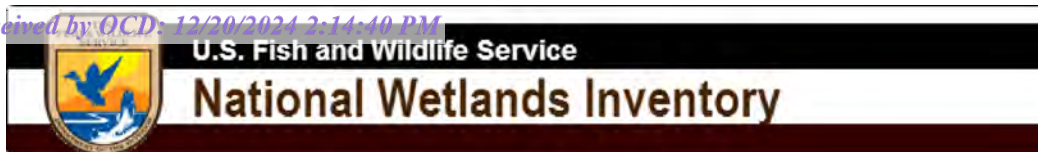
OXY,AVOGATO 30-31 STATE COM 21H (9/15/24) 2.01 MILES OR 10.634.1 FEET TO H2O



11/20/2024, 2:12:28 PM

OSW Water Bodys





AVOGATO 3-31 STATE COM 21H (9/15/24)



September 16, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



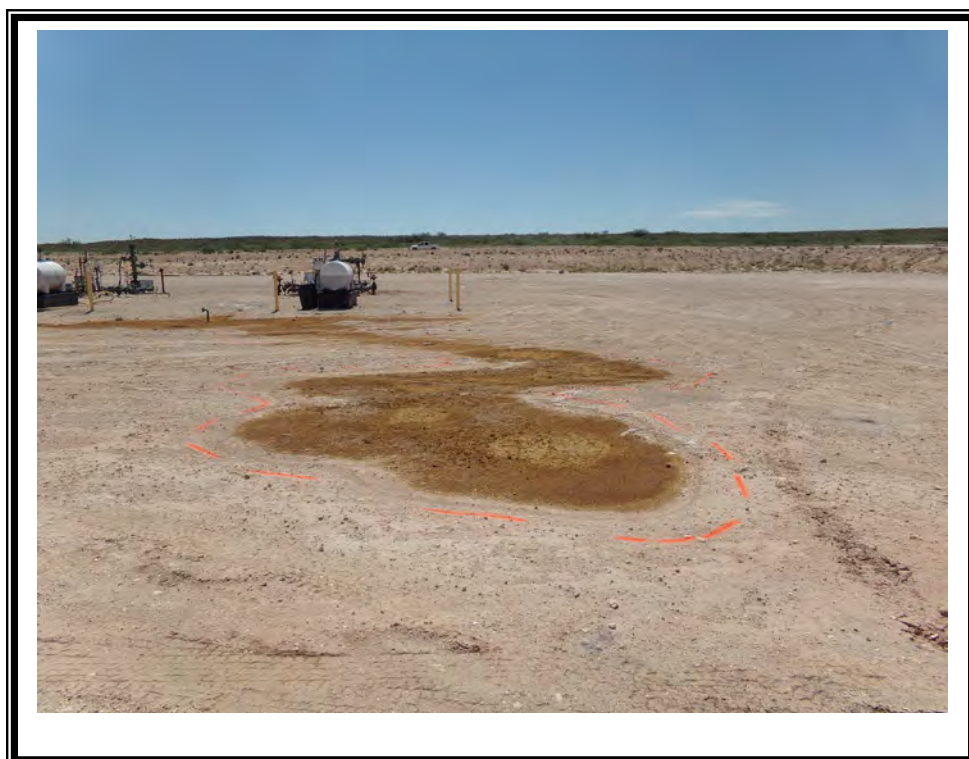


OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)





OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)





OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)





OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)



OXY, AVOGATO 30-31 SATE COM 21H (9/15/24)





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

November 12, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: AVOGATO 30-31 STATE COM 21H

Enclosed are the results of analyses for samples received by the laboratory on 11/06/24 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 1 @ 2' (H246783-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	217	109	200	4.43	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	187	93.7	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 2 @ 2' (H246783-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	217	109	200	4.43		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	187	93.7	200	5.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 3 @ 2' (H246783-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	217	109	200	4.43		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	187	93.7	200	5.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 4 @ 2' (H246783-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 5 @ 2' (H246783-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	227	114	200	1.81		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 6 @ 2' (H246783-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 7 @ 2' (H246783-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	416	104	400	0.00		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 8 @ 2' (H246783-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 9 @ 2' (H246783-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEx	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 10 @ 2' (H246783-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 11 @ 2' (H246783-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 12 @ 2' (H246783-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEx	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 13 @ 2' (H246783-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEx	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 14 @ 2' (H246783-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.28	114	2.00	2.14		
Toluene*	<0.050	0.050	11/09/2024	ND	2.31	116	2.00	2.51		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.21	111	2.00	2.92		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	7.00	117	6.00	1.71		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 15 @ 2' (H246783-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 16 @ 2' (H246783-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 17 @ 2' (H246783-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 18 @ 2' (H246783-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 19 @ 2' (H246783-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-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	11/11/2024	ND	432	108	400	3.64	

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 20 @ 2' (H246783-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 21 @ 2' (H246783-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 22 @ 2' (H246783-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 23 @ 2' (H246783-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	227	114	200	1.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	213	107	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 58.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.4 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 24 @ 2' (H246783-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	219	110	200	1.21		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Analytical Results For:

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Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 25 @ 2' (H246783-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	219	110	200	1.21		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 26 @ 2' (H246783-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	219	110	200	1.21		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/04/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 27 @ 2' (H246783-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-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	11/11/2024	ND	432	108	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 (H246783-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 (H246783-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 (H246783-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64	
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40	
Total BTEX	<0.300	0.300	11/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 (H246783-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 (H246783-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 (H246783-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 (H246783-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.14	107	2.00	4.64		
Toluene*	<0.050	0.050	11/09/2024	ND	2.04	102	2.00	4.39		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.05	102	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.10	102	6.00	2.40		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 (H246783-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 9 (H246783-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.12	102	6.00	3.83		
Total BTEx	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 10 (H246783-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 11 (H246783-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 12 (H246783-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 13 (H246783-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2024	ND	2.18	109	2.00	3.92	
Toluene*	<0.050	0.050	11/09/2024	ND	2.08	104	2.00	3.61	
Ethylbenzene*	<0.050	0.050	11/09/2024	ND	2.07	103	2.00	3.67	
Total Xylenes*	<0.150	0.150	11/09/2024	ND	6.12	102	6.00	3.83	
Total BTEX	<0.300	0.300	11/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.5 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 14 (H246783-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21		
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54		
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND						

Surrogate: 1-Chlorooctane 59.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.4 % 49.1-148

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 15 (H246783-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 16 (H246783-43)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 74.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	219	110	200	1.21	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	224	112	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 60.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	11/06/2024	Sampling Date:	11/05/2024
Reported:	11/12/2024	Sampling Type:	Soil
Project Name:	AVOGATO 30-31 STATE COM 21H	Sampling Condition:	Cool & Intact
Project Number:	(9/15/24)	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 17 (H246783-44)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2024	ND	2.18	109	2.00	3.92		
Toluene*	<0.050	0.050	11/10/2024	ND	2.08	104	2.00	3.61		
Ethylbenzene*	<0.050	0.050	11/10/2024	ND	2.07	103	2.00	3.67		
Total Xylenes*	<0.150	0.150	11/10/2024	ND	6.12	102	6.00	3.83		
Total BTEX	<0.300	0.300	11/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/11/2024	ND	448	112	400	3.64		

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	11/08/2024	ND	195	97.5	200	2.81	
DRO >C10-C28*	<10.0	10.0	11/08/2024	ND	187	93.7	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	11/08/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

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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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

145

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: AVOGATO 30-31 STATE COM 21H (915/24) Project Location: New Mexico Sampler Name: SIMON RENDON		P.O. #: Company: Oxy Attn: Address: City: State: NM Zip: 88241 Phone #: Fax #:	
BILL TO			
Lab I.D. 444783		Sample I.D. BOTTOM SAMPLE 1 @ 2' BOTTOM SAMPLE 2 @ 2' BOTTOM SAMPLE 3 @ 2' BOTTOM SAMPLE 4 @ 2' BOTTOM SAMPLE 5 @ 2' BOTTOM SAMPLE 6 @ 2' BOTTOM SAMPLE 7 @ 2' BOTTOM SAMPLE 8 @ 2' BOTTOM SAMPLE 9 @ 2' BOTTOM SAMPLE 10 @ 2'	
FOR LAB USE ONLY		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : PRESERV ACID/BASE: ICE / COOL OTHER :	
DATE 11/4/24 TIME 9:15AM		SAMPLING 11/4/24 9:15AM 11/4/24 9:32AM 11/4/24 9:45AM 11/4/24 10:02AM 11/4/24 10:16AM 11/4/24 10:33AM 11/4/24 10:48AM 11/4/24 11:04AM 11/4/24 11:18AM 11/4/24 11:35AM	
Chloride BTEX TPH/EXT		ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether raised in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or from the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.			
Relinquished By: Date: 11-6-24 Time: 8:00 AM Received By: [Signature] Date: 11-6-24 Time: 1640		Relinquished By: Date: 11-6-24 Time: 8:00 AM Received By: [Signature] Date: 11-6-24 Time: 1640	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 8:30 / #140		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CHECKED BY: (Initials) [Signature]	
REMARKS: Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: t Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476			



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2085

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: AVOGATO 30-31 STATE COM 21H (915/24) Project Location: New Mexico Sampler Name: SIMON RENDON		P.O. #: Company: Oxy Attn: Address: City: State: Zip:	
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy		State: Zip:	
FOR LAB USE ONLY			
Lab I.D. 11-6-24 12 13 14 15 16 17 18 19 20	Sample I.D. BOTTOM SAMPLE 11@2' BOTTOM SAMPLE 12@2' BOTTOM SAMPLE 13@2' BOTTOM SAMPLE 14@2' BOTTOM SAMPLE 15@2' BOTTOM SAMPLE 16@2' BOTTOM SAMPLE 17@2' BOTTOM SAMPLE 18@2' BOTTOM SAMPLE 19@2' BOTTOM SAMPLE 20@2'	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE 11/4/24 11/4/24 11/4/24 11/4/24 11/4/24 11/4/24 11/4/24 11/4/24 11/4/24 11/4/24
		TIME 11:52AM 12:06PM 12:45PM 12:57PM 1:10PM 1:19PM 1:34PM 1:48PM 2:03PM 2:18PM	ANALYSIS REQUEST Chloride BTEX TPH/EXT
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Relinquished By: [Signature] Date: 11-6-24 Time: 8:00 AM	Received By: [Signature] Date: 11-6-24 Time: 8:00 AM	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 031/11/16	Sample Condition: Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
Phone #: 575-397-6388
Project #:
Project Name: AVOGATO 30-31 STATE COM 21H (915/24)
Project Location: New Mexico
Sampler Name: SIMON RENDON

BILL TO

P.O. #:

Company: Oxy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride
16241783	BOTTOM SAMPLE 21@2'		1									11/4/24	2:31PM				
22	BOTTOM SAMPLE 22@2'		1									11/4/24	2:49PM				
23	BOTTOM SAMPLE 23@2'		1									11/4/24	3:04PM				
24	BOTTOM SAMPLE 24@2'		1									11/4/24	3:17PM				
25	BOTTOM SAMPLE 25@2'		1									11/4/24	3:36PM				
26	BOTTOM SAMPLE 26@2'		1									11/4/24	3:54PM				
27	BOTTOM SAMPLE 27@2'		1									11/4/24	4:10PM				

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Relinquished By: *[Signature]* Date: 11-6-24 Received By: *[Signature]* Date: 11-6-24

Relinquished By: *[Signature]* Date: 11-6-24 Received By: *[Signature]* Date: 11-6-24

Delivered By: (Circle One) *[Signature]* Date: 11-6-24 Received By: *[Signature]* Date: 11-6-24

Sampler - UPS - Bus - Other: *[Signature]* Date: 11-6-24 Received By: *[Signature]* Date: 11-6-24

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Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

545

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
Phone #: 575-397-6388
Project #:
Project Name: AVOGATO 30-31 STATE COM 21H (915/24)
Project Location: New Mexico
Sampler Name: SIMON RENDON

FOR LAB USE ONLY

State: NM Zip: 88241
Fax #: 575-397-0397
Project Owner: Oxy

Company: Oxy
Attn:
Address:
City:
State: Zip:

Phone #:
Fax #:

P.O. #:

BILL TO

ANALYSIS REQUEST

Lab I.D. Sample I.D.

440783	SIDEWALL 11	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	BTEX	TPHEXT
38	SIDEWALL 12												11/5/24	12:04PM			
39	SIDEWALL 13												11/5/24	12:47PM			
40	SIDEWALL 14												11/5/24	1:16PM			
41	SIDEWALL 15												11/5/24	1:34PM			
42	SIDEWALL 16												11/5/24	1:51PM			
43	SIDEWALL 17												11/5/24	2:12PM			
44													11/5/24	2:27PM			

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Relinquished By: [Signature] Date: 11-6-24 Received By: [Signature] Date: 11-6-24

Delivered By: (Circle One) [Signature] Time: 11:40 AM Received By: [Signature] Time: 11:40 AM

Sampler - UPS - Bus - Other: 23c / #148 Sample Condition: [X] Yes [] No [] Yes [] No

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Phone Result: [] Yes [] No Add'l Phone #: [] Yes [] No Add'l Fax #: [] Yes [] No

REMARKS:

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Phone: (505) 629-6116

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 414432

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 414432 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
--	--

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426039329
Incident Name	NAPP2426039329 AVOGATO 30-31 STATE COM 21H @ 30-025-45924
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-45924] AVOGATO 30 31 STATE COM #021H

Location of Release Source*Please answer all the questions in this group.*

Site Name	AVOGATO 30-31 STATE COM 21H
Date Release Discovered	09/15/2024
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 414432

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414432
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/20/2024
--	---

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QUESTIONS, Page 3

Action 414432

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414432
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	96
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10
GRO+DRO (EPA SW-846 Method 8015M)	10
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/04/2024
On what date will (or did) the final sampling or liner inspection occur	11/05/2024
On what date will (or was) the remediation complete(d)	11/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	5268
What is the estimated volume (in cubic yards) that will be reclaimed	540
What is the estimated surface area (in square feet) that will be remediated	5268
What is the estimated volume (in cubic yards) that will be remediated	540

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 414432

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	414432
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/20/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 414432

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414432
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 414432

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414432
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	397116
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/05/2024
What was the (estimated) number of samples that were to be gathered	44
What was the sampling surface area in square feet	5268

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5268
What was the total volume (cubic yards) remediated	540
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	5268
What was the total volume (in cubic yards) reclaimed	540
Summarize any additional remediation activities not included by answers (above)	OXY excavated the spill area as depicted on the following site diagram. The entire leak area (BLUE shade on diagram) was excavated to a depth of 2' feet OXY collected bottom and sidewall confirmation samples every 200 square feet.
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/20/2024

Sante Fe Main Office
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QUESTIONS, Page 7

Action 414432

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414432
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 414432

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414432
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/14/2025
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	1/14/2025