

Closure Report

INCIDENT ID#: nRM2018235623, nRM2023461379

Site Description

Site Name:	CEDAR CANYON 16-1
Company:	Oxy USA, Inc.
Legal Description:	U/L D, Section 16, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.223316 ,W-103.995515

Release Data

Date of Release:	6/10/2020,7/14/2020
Type of Release:	CRUDE OIL ,PRODUCED WATER
Source of Release:	GASKET FAILURE, 1/2" NPPL ON WATER TRANSFER PUMP
Volume of Release:	7 BBLS,1BBLS / 7 BBS
Volume Recovered:	0 BBLS, 0BBLS /0BBLS

Remediation Specifications

Remediation Parameters:	<p>OXY excavatd the spill area as depicted on the following site diagram.</p> <p>The leak area near SP1 - SP3, SP10, SP13, and SP16 (orange shade on diagram) was excavated to a depth of 1 foot. The leak area near SP4 (dark blue shade on diagram) was excavated to a depth of 2 feet. The leak area near SP8 and SP17 (purple shade on diagram) was excavated to a depth of 3 feet. The leak area near SP5 – SP7, SP9, SP11, SP12, SP14, and SP15 (white shade on diagram) require zero remediation.</p> <p>OXY collected sidewall and confirmation samples every 400 square feet.</p>
Remediation Activities:	8/29/24-10/9/24

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 10/7/24,10/8/24,10/9/24,10/1624
Notifications	#####

Request for Closure

Based on the completion of the remediation, OXY requests closure approval from the NMOCD.	
Cliff Brunson, President of BBC International Inc.	12/11/2024

OXY,CEDAR CANYON16-1

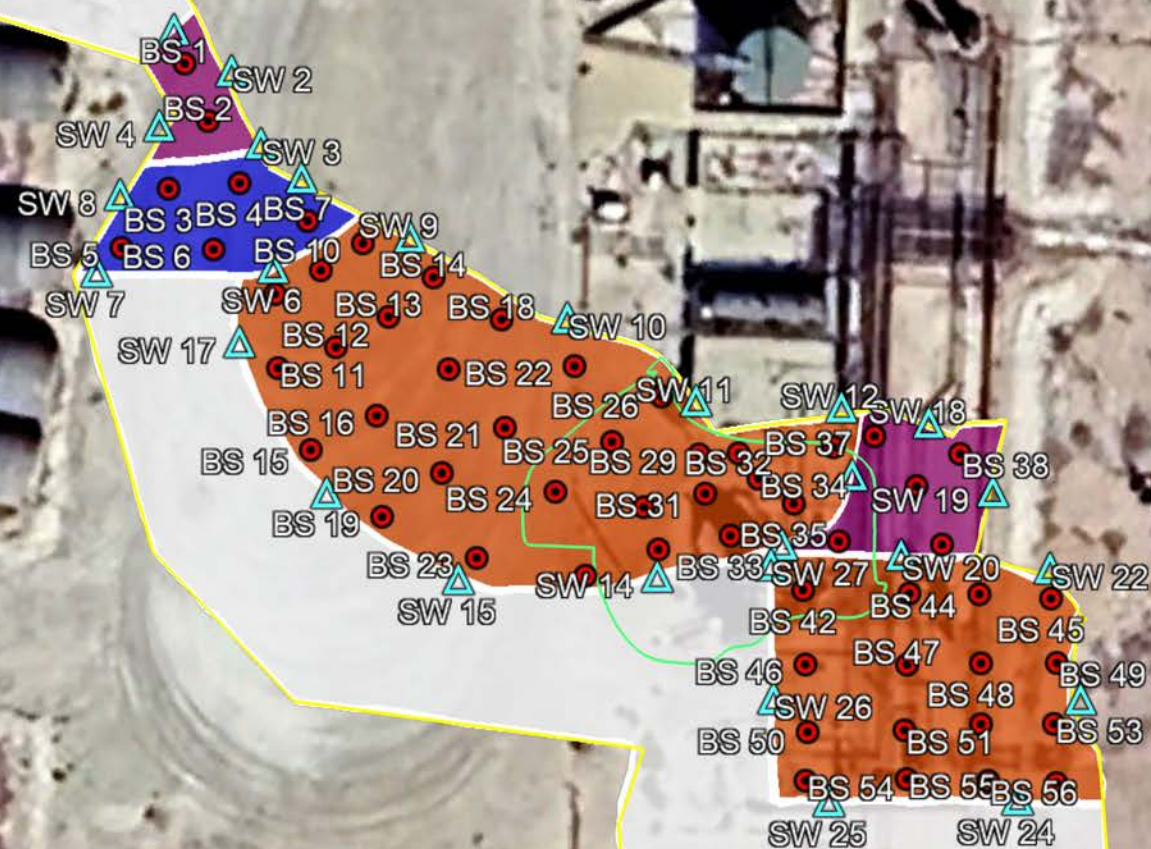
LEAK DATES :6/10/20, 7/14/20

EDDY COUNTY,NM

ID# nRM2018235623,nRM2023461379

Legend

- 1' Excavation
- 2' Excavation
- 3' Excavation
- Bottom Confirmation Sample Points
- Leak Area 6-10-20
- Leak Area 7-14-20
- Sidewall Confirmation Sample Points
- Zero Remediation



Google Earth

100 ft



OXY,CEDAR CANYON16-1

LEAK DATES :6/10/20, 7/14/20

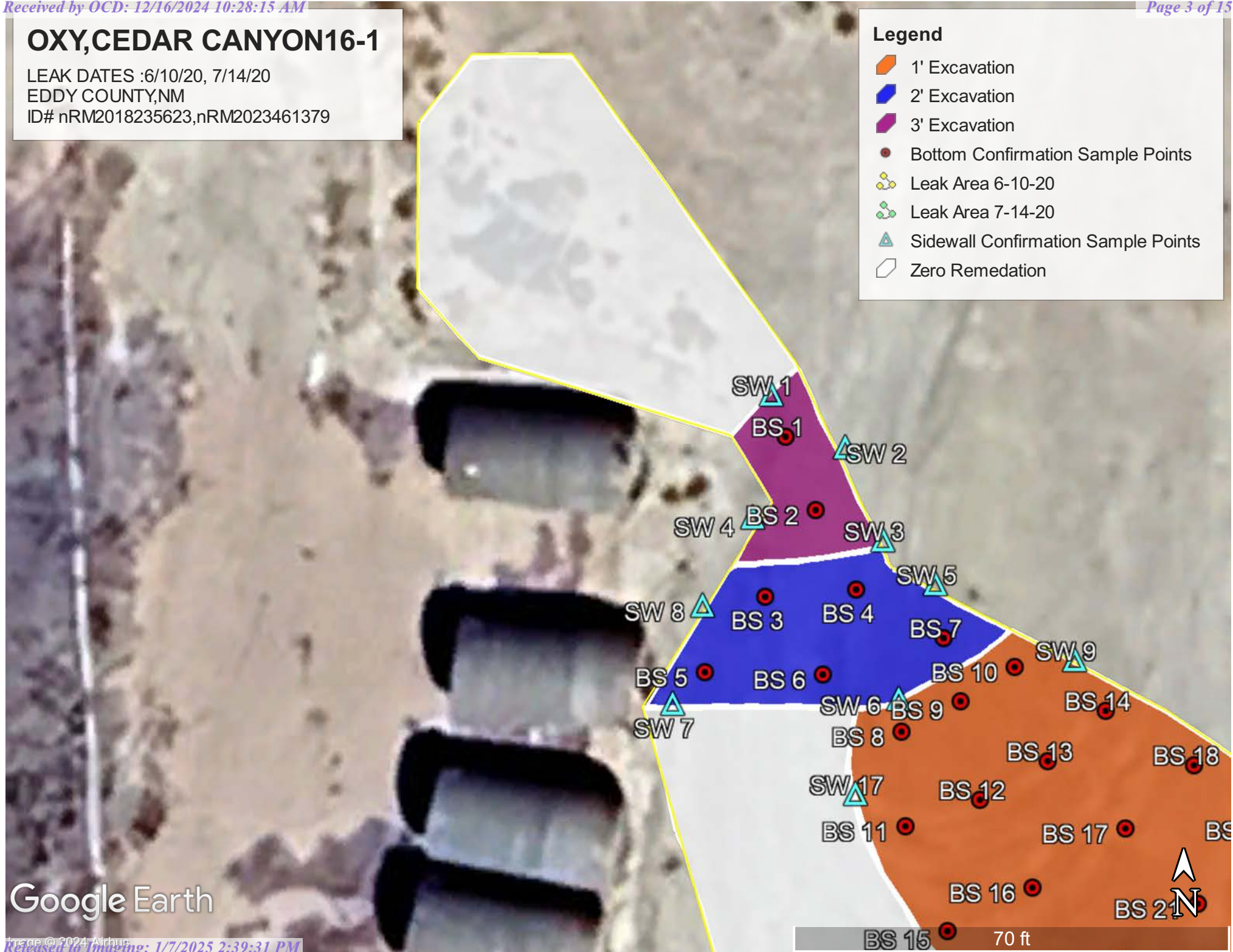
EDDY COUNTY,NM

ID# nRM2018235623,nRM2023461379

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- Leak Area 6-10-20
- Leak Area 7-14-20
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- Zero Remedation

Google Earth

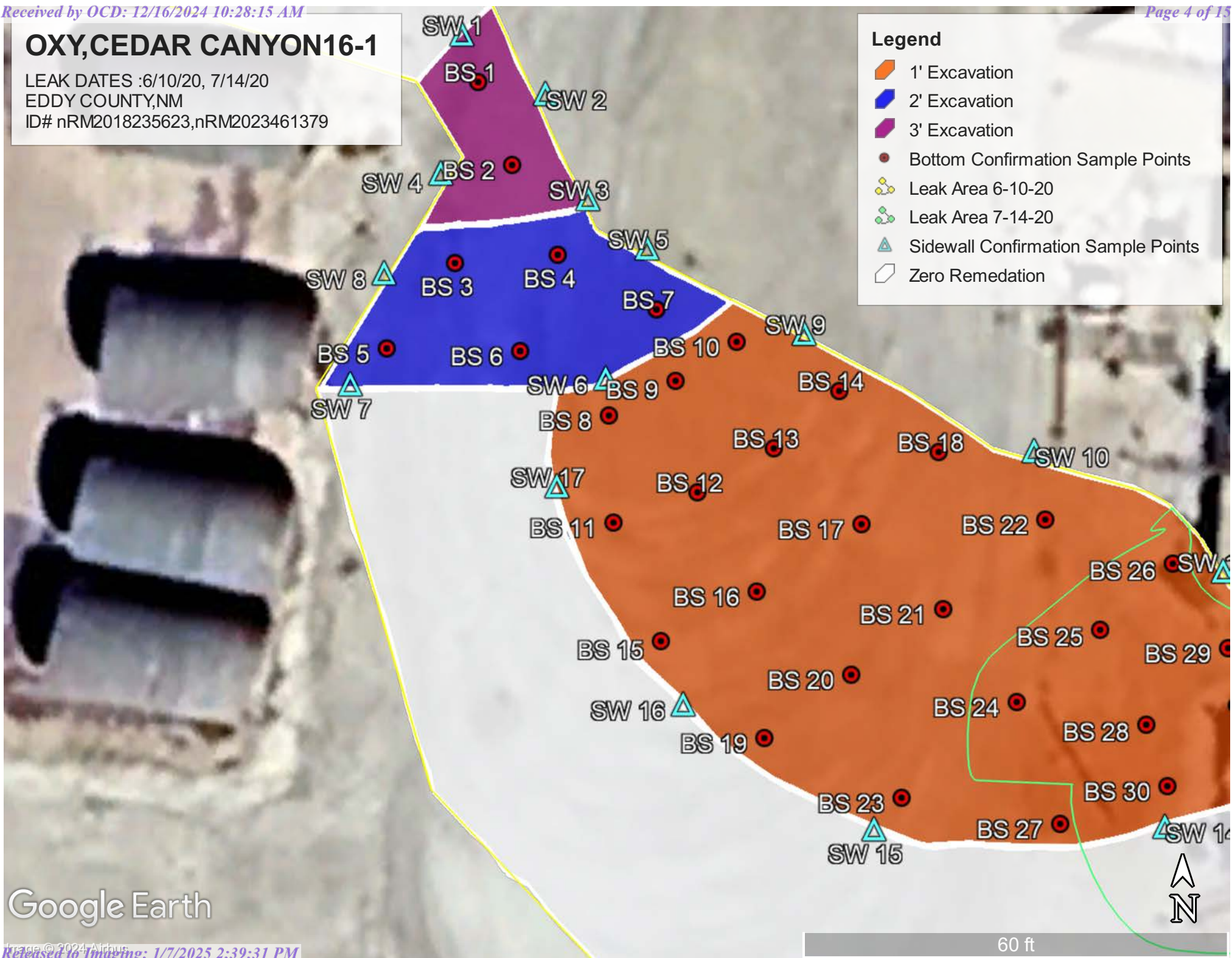


OXY,CEDAR CANYON16-1

LEAK DATES :6/10/20, 7/14/20
EDDY COUNTY,NM
ID# nRM2018235623,nRM2023461379

Legend

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- Leak Area 7-14-20
- Sidewall Confirmation Sample Points
- Zero Remediation



Google Earth









NOXOXY, CEDAR CANYON 16-1

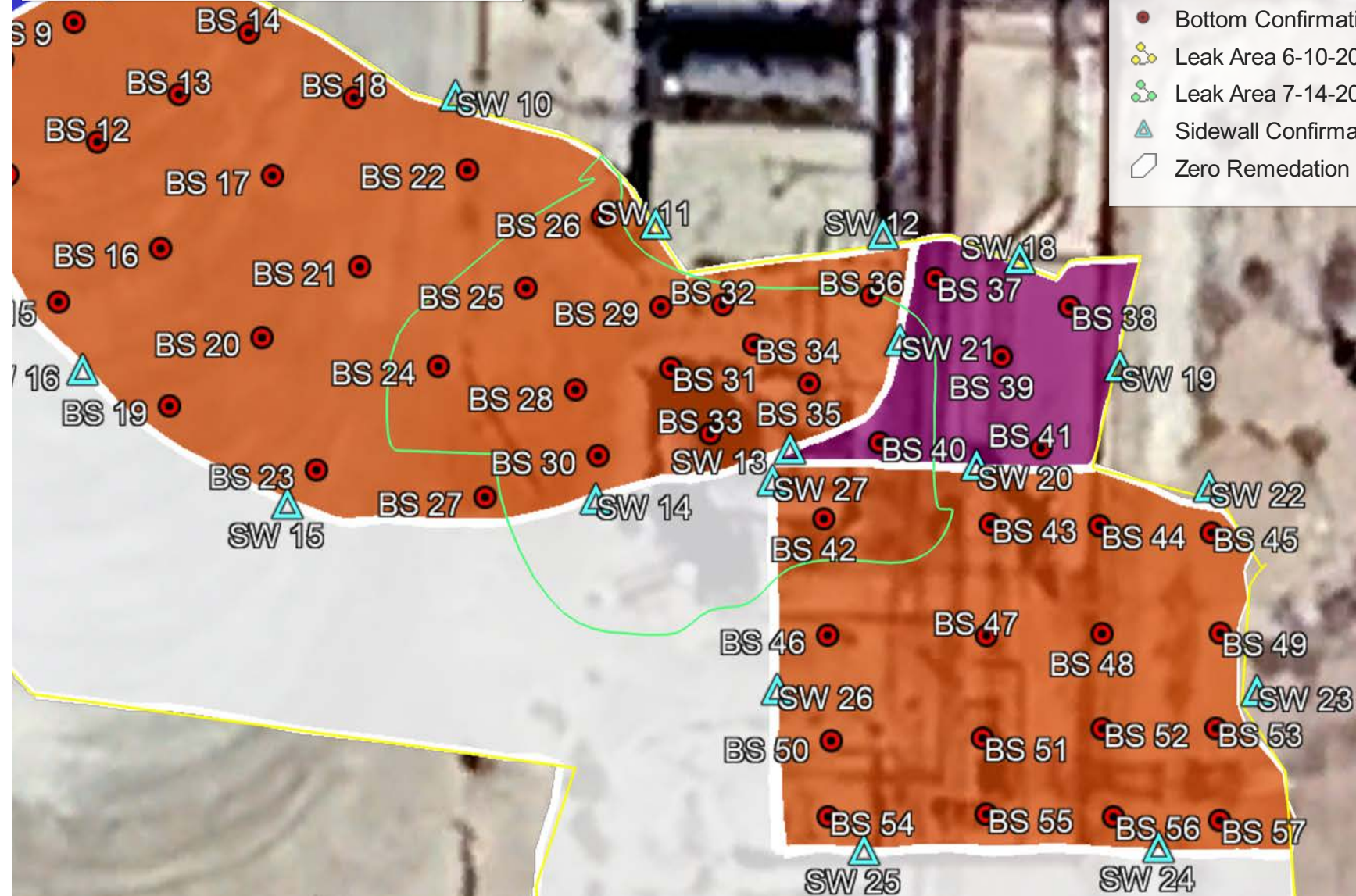
LEAK DATES : 6/10/20, 7/14/20

EDDY COUNTY, NM

ID# nRM2018235623, nRM2023461379

Legend

-  1' Excavation
-  2' Excavation
-  3' Excavation
-  Bottom Confirmation Sample Points
-  Leak Area 6-10-20
-  Leak Area 7-14-20
-  Sidewall Confirmation Sample Points
-  Zero Remedation



Google Earth

70 ft

OXY,CEDAR CANYON16-1

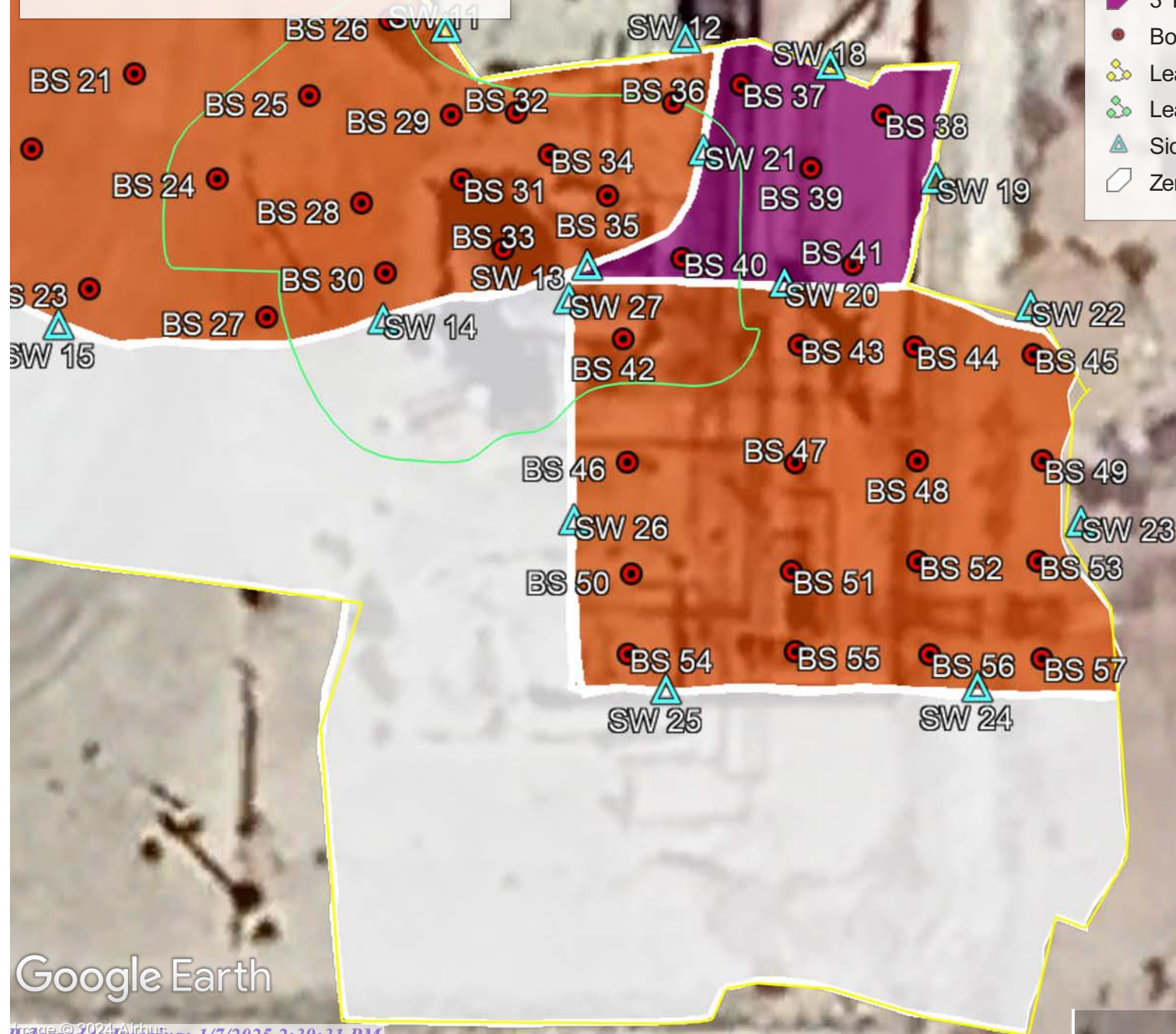
LEAK DATES :6/10/20, 7/14/20

EDDY COUNTY,NM

ID# nRM2018235623,nRM2023461379

Legend

- 1' Excavation
- 2' Excavation
- 3' Excavation
- Bottom Confirmation Sample Points
- Leak Area 6-10-20
- Leak Area 7-14-20
- Sidewall Confirmation Sample Points
- Zero Remediation



Google Earth

60 ft



OXY, CEDAR CANYON 16-1 (6/10/20,7/14/20) SAMPLE DATES 10/7/24 TO 10/09/24

BOTTOM SAMPLES POINTS

BS 1@3'	N 32.223591	W-103.995918
BS 2@3'	N 32.223558	W-103.995902
BS 3@2'	N 32.223520	W-103.995929
BS 4@2'	N 32.223523	W-103.995881
BS 5@2'	N 32.223487	W-103.995960
BS 6@2'	N 32.223486	W-103.995899
BS 7@2'	N 32.223502	W-103.995836
BS 8@1'	N 32.223461	W-103.995858
BS 9@1'	N 32.223474	W-103.995827
BS 10@1'	N 32.223489	W-103.995799
BS 11@1'	N 32.223419	W-103.995856
BS 12@1'	N 32.223431	W-103.995817
BS 13@1'	N 32.223448	W-103.995782
BS 14@1'	N 32.223470	W-103.995752
BS 15@1'	N 32.223373	W-103.995834
BS 16@1'	N 32.223392	W-103.995790
BS 17@1'	N 32.223418	W-103.995742
BS 18@1'	N 32.223446	W-103.995707
BS 19@1'	N 32.223335	W-103.995786
BS 20@1'	N 32.223360	W-103.995746
BS 21@1'	N 32.223386	W-103.995704
BS 22@1'	N 32.223420	W-103.995658
BS 23@1'	N 32.223312	W-103.995723
BS 24@1'	N 32.223350	W-103.995671
BS 25@1'	N 32.223378	W-103.995633
BS 26@1'	N 32.223403	W-103.995600
BS 27@1'	N 32.223302	W-103.995651
BS 28@1'	N 32.223341	W-103.995612
BS 29@1'	N 32.223371	W-103.995576
BS 30@1'	N 32.223317	W-103.955602
BS 31@1'	N 32.223349	W-103.995571
BS 32@1'	N 32.223371	W-103.995549
BS 33@1'	N 32.223325	W-103.995555
BS 34@1'	N 32.223357	W-103.995536
BS 35@1'	N 32.223343	W-103.995513
BS 36@1'	N 32.223375	W-103.995486
BS 37@3'	N 32.223381	W-103.995459
BS 38@3'	N 32.223371	W-103.995402
BS 39@3'	N 32.223353	W-103.995431
BS 40@3'	N 32.223322	W-103.995483
BS 41@3'	N 32.223320	W-103.995414

BS 42@1'	N 32.223295	W-103.995506
BS 43@1'	N 32.223293	W-103.995436
BS 44@1'	N 32.223292	W-103.995389
BS 45@1'	N 32.223290	W-103.995341
BS 46@1'	N 32.223253	W-103.995505
BS 47@1'	N 32.223253	W-103.995437
BS 48@1'	N 32.223253	W-103.995388
BS 49@1'	N 32.223253	W-103.995337
BS 50@1'	N 32.223215	W-103.995503
BS 51@1'	N 32.223216	W-103.995439
BS 52@1'	N 32.223219	W-103.995388
BS 53@1'	N 32.223219	W-103.995339
BS 54@1'	N 32.223187	W-103.995505
BS 55@1'	N 32.223188	W-103.995437
BS 56@1'	N 32.223187	W-103.995383
BS 57@1'	N 32.223186	W-103.995337

SIDEWALL SAMPLE POINTS

SW 1	N 32.223609	W-103.995926
SW 2	N 32.223586	W-103.995887
SW 3	N 32.223544	W-103.995865
SW 4	N 32.223555	W-103.995935
SW 5	N 32.223525	W-103.995841
SW 6	N 32.223475	W-103.995859
SW 7	N 32.223473	W-103.995977
SW 8	N 32.223516	W-103.995962
SW 9	N 32.223492	W-103.995768
SW 10	N 32.223446	W-103.995664
SW 11	N 32.223400	W-103.995578
SW 12	N 32.223396	W-103.995482
SW 13	N 32.223319	W-103.995521
SW 14	N 32.223031	W-103.995604
SW 15	N 32.223299	W-103.995736
SW 16	N 32.223348	W-103.995824
SW 17	N 32.223433	W-103.995882
SW 18	N 32.223388	W-103.995424
SW 19	N 32.223349	W-103.995381
SW 20	N 32.223313	W-103.995442
SW 21	N 32.223358	W-103.995475
SW 22	N 32.223306	W-103.995343
SW 23	N 32.223232	W-103.995322
SW 24	N 32.223175	W-103.995364
SW 25	N 32.223175	W-103.995490
SW 26	N 32.223233	W-103.995527
SW 27	N 32.223308	W-103.995529

[illegible][illegible][illegible]

	Sample ID	BS 55@1'	BS 56@1'	BS 57@1'
Analyte	Date	10/8/24	10/8/24	10/8/24
		mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300
Chloride		160.0	128.0	160.0
GRO		<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0

	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW 9	SW 10	SW 11	SW 12	SW 13	SW 14	SW 15	SW 16	SW 17	SW 18
Analyte	Date	10/8/24	10/8/24	10/8/24	10/8/24	10/8/24	10/8/24	10/8/24	10/8/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		144.0	128.0	128.0	128.0	160.0	112.0	144.0	144.0	128.0	144.0	128.0	160.0	128.0	80.0	112.0	144.0	144.0	144.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0


	Sample ID	SW 19	SW 20	SW 21	SW 22	SW 23	SW 24	SW 25	SW 26	SW 27
Analyte	Date	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24	10/9/24
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		128.0	128.0	144.0	96.0	144.0	144.0	144.0	128.0	128.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0


Oxy, Cedar Canyon 16-1

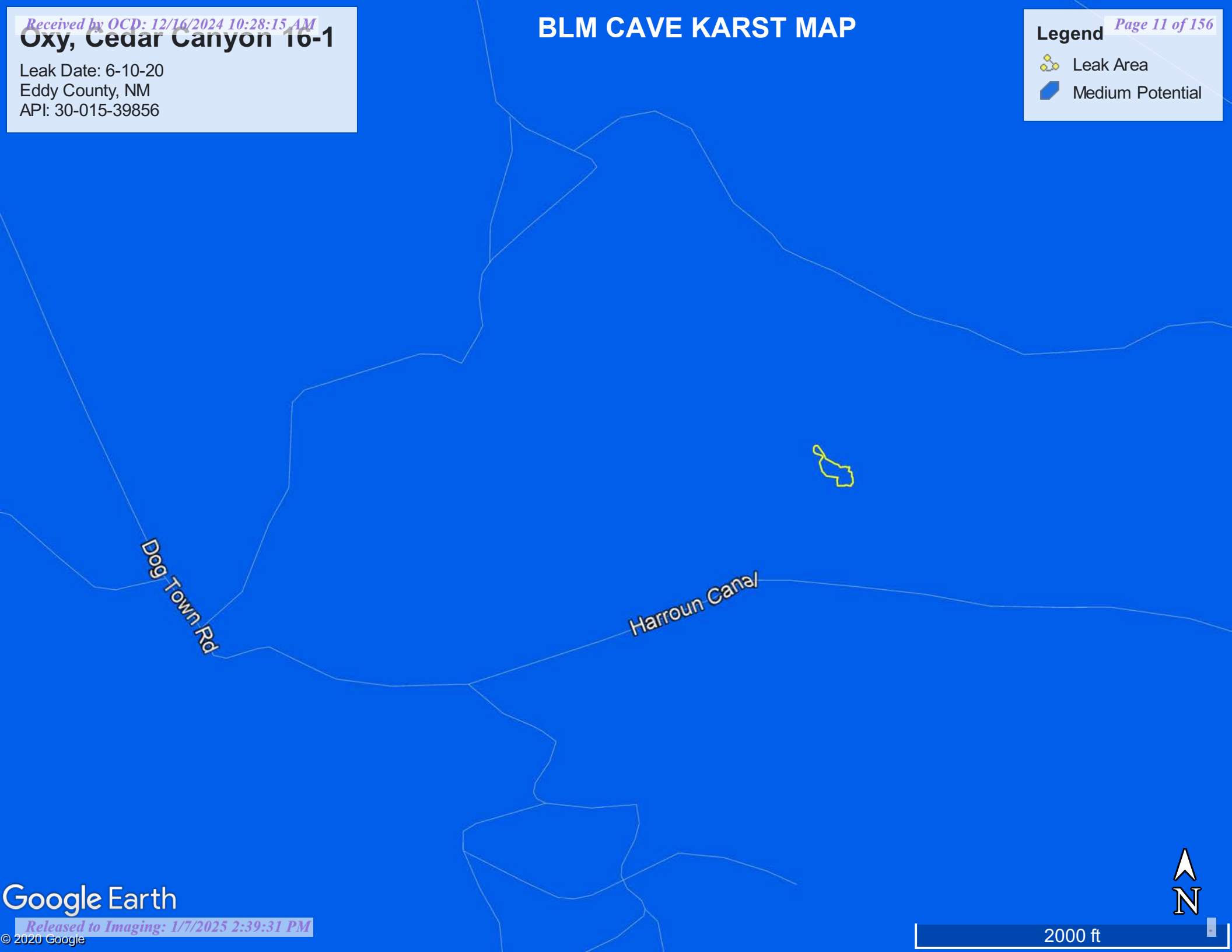
Leak Date: 6-10-20
Eddy County, NM
API: 30-015-39856

BLM CAVE KARST MAP

Legend

 Leak Area

 Medium Potential



National Flood Hazard Layer FIRMette



104°0'3"W 32°13'39"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°59'26"W 32°13'9"N

Released to Imaging: 1/7/2025 2:39:31 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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		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		Profile Baseline
		Hydrographic Feature
		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 11/18/2024 at 9:17 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.



OXY,CEDAR CANYON 16-1 6/10/20,7/14/2



November 18, 2024

Wetlands

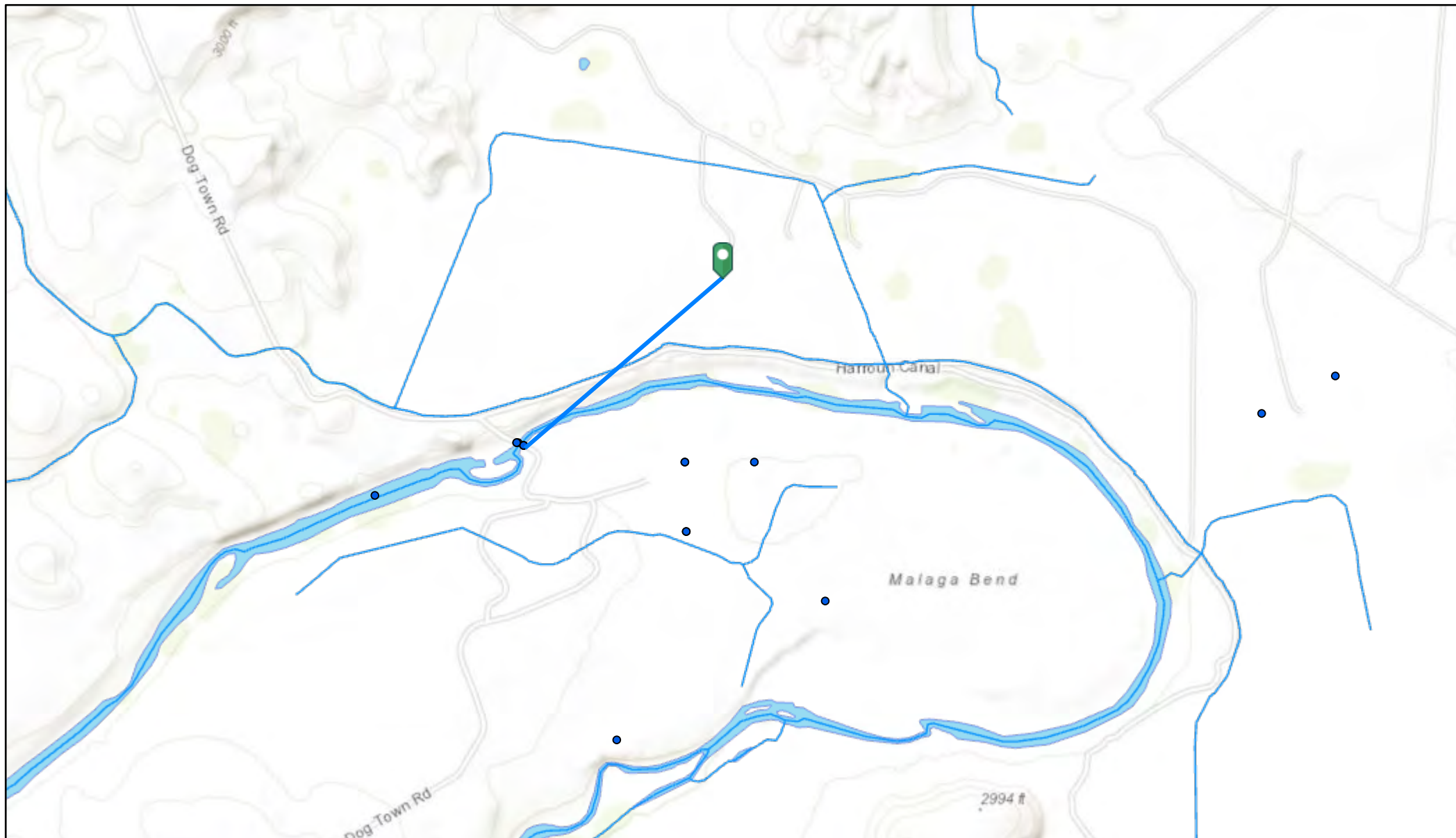
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

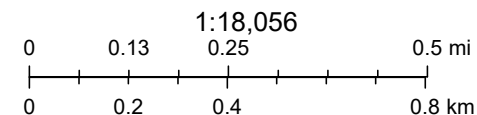
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

OXY, CEDAR CANYON 16-1 (6/10/20, 7/14/20) 0.47 MILES OR 2.493.3 FEET TO WATER POD

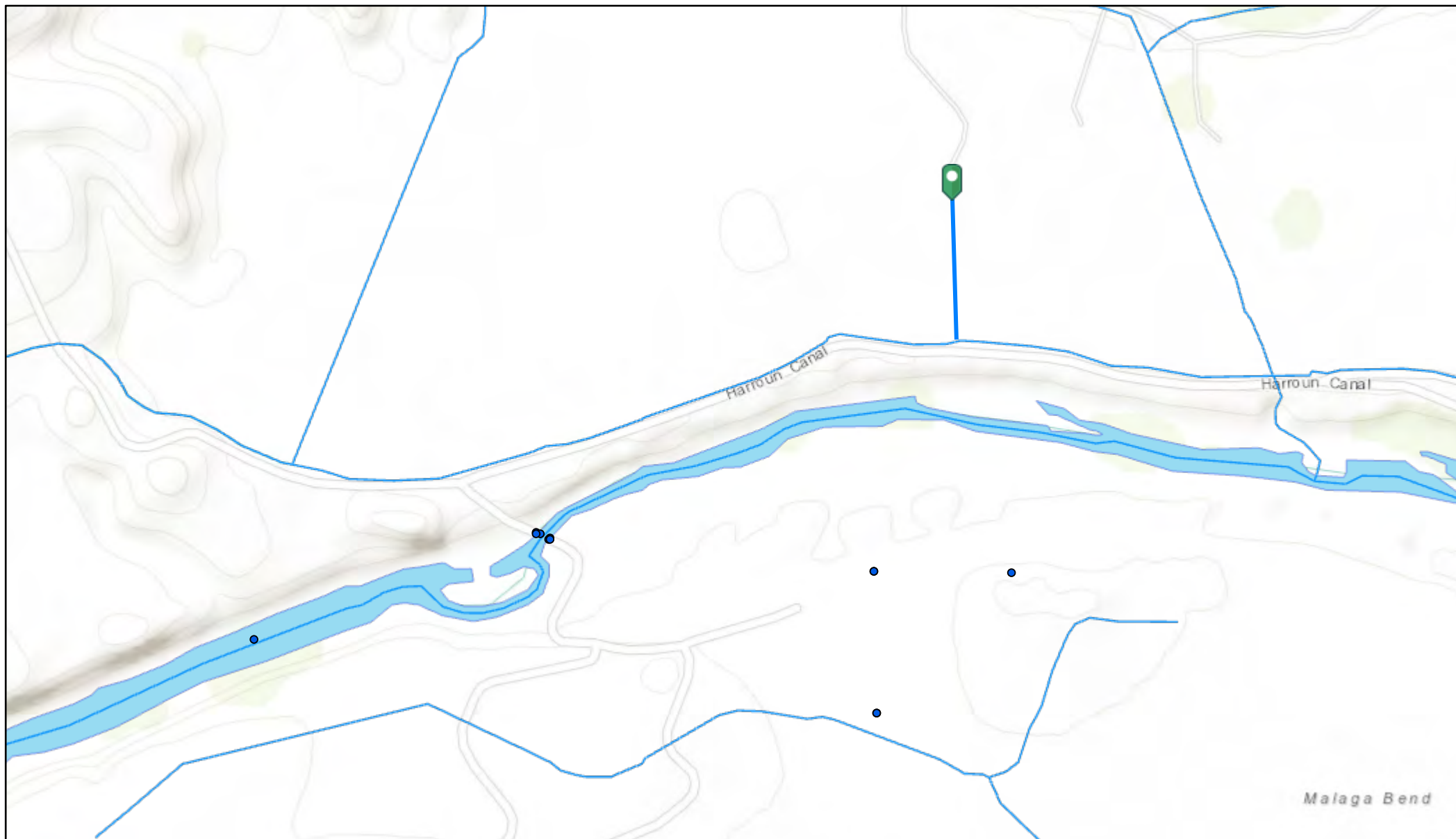


11/18/2024, 1:56:54 PM

- OSE Water PODs
- OSW Water Bodies
- OSE Streams

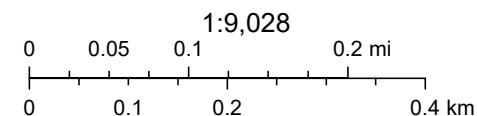


Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA, NM OSE



11/18/2024, 1:49:55 PM

- OSE Water PODs
- OSW Water Bodies
- OSE Streams



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, NM OSE

File No.

C-3924

NEW MEXICO OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO DRILL A WELL
WITH NO CONSUMPTIVE USE OF WATER

(check applicable box):

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

Purpose:	<input type="checkbox"/> Pollution Control And / Or Recovery	<input type="checkbox"/> Geo-Thermal
<input type="checkbox"/> Exploratory	<input type="checkbox"/> Construction Site De-Watering	<input checked="" type="checkbox"/> Other (Describe): SOIL SAMPLING
<input type="checkbox"/> Monitoring	<input type="checkbox"/> Mineral De-Watering	

A separate permit will be required to apply water to beneficial use.

☐ Temporary Request - Requested Start Date: _____ Requested End Date: _____

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

1. APPLICANT(S)

Name: EDDY COUNTY	Name: ENVIRO-DRILL, INC.
Contact or Agent: PETTIGREW & ASSOCIATES ATTN: ERICA HART check here if Agent <input checked="" type="checkbox"/>	Contact or Agent: RODNEY HAMMER - DRILLER check here if Agent <input type="checkbox"/>
Mailing Address: 100 E. NAVAJO DRIVE, SUITE 100	Mailing Address: 8305 WASHINGTON PLACE, NE
City: Hobbs	City: Albuquerque
State: NM Zip Code: 88240	State: NM Zip Code: 87113
Phone: _____ <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work): 575-393-9827	Phone: _____ <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work): 505-857-9876
E-mail (optional): EHART@PETTIGREW.US	E-mail (optional): rod.h@enviro-drill.com

FOR OSE INTERNAL USE

Application for Permit, Form wr-07, Rev 8/25/11

File Number: C-3924	Trn Number: 579575
Trans Description (optional): EXPL - PODS1-4	
Sub-Basin: CUB	
PCW/LOG Due Date: 12-31-16	

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)			
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/> NM Central Zone			
<input type="checkbox"/> UTM (NAD83) (Meters) <input type="checkbox"/> Zone 12N <input type="checkbox"/> Zone 13N			
<input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second)			
Well Number (if known):	X or Easting or Latitude:	Y or Northing or Longitude:	Optional: Complete boxes labeled "Other" below with PLSS (Public Land Survey System, i.e. Quarters, Section, Township, Range); Hydrographic Survey Map & Tract; Lot, Block & Subdivision; OR Land Grant Name if known.
BH-1	32 13'8.23"N	104 0'7.63W	
BH-2	32 13'8.17"N	104 0'7367"W	
BH-3	32 13'7.96"N	104 0'6.87"W	
BH-4	32 13'7.89"N	104 0'6.91"W	
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:			
Well is on land owned by: B&D Holdings, Llc. Exploratory Holes Are On An Eddy County Maintained Road			
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 <u>4</u>			
Approximate depth of well (feet): 30.00		Outside diameter of well casing (inches):	
Driller Name: Enviro-Drill, Inc.		Driller License Number: WD 1186	

STATE ENGINEER OFFICE
NOV 13 PM 1 02**3. ADDITIONAL STATEMENTS OR EXPLANATIONS**

--

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number: **C-3924**Trn Number: **579575**

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: <input checked="" type="checkbox"/> Include a description of any proposed 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.	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.
Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.		Geo-Thermal: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The amount of water to be diverted and re-injected for the project, <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.	

ACKNOWLEDGEMENT

I, We (name of applicant(s)), **RODNEY HAMMER WITH ENVIRO-DRILL, INC.**

Print Name(s)

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

Rodney Hammer

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 2nd day of December, 20 15, for the State Engineer,

Tom Blaine, P.E.

State Engineer

By: *Juan Hernandez*
Signature

Juan Hernandez
Print

Title: Engineer Specialist Supervisor
Print



FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number: C-3924

Trn Number: 579575

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between geologic zones.
- LOG The Point of Diversion C 03924 POD1 must be completed and the Well Log filed on or before 12/31/2016.
- LOG The Point of Diversion C 03924 POD2 must be completed and the Well Log filed on or before 12/31/2016.
- LOG The Point of Diversion C 03924 POD3 must be completed and the Well Log filed on or before 12/31/2016.

Trn Desc: C 03924

File Number: C 03924

Trn Number: 579575

page: 1

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 03924 POD4 must be completed and the Well Log filed on or before 12/31/2016.

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: 11/13/2015	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 02 day of Dec A.D., 2015

Tom Blaine, P.E.

State Engineer

By:

JUAN HERNANDEZ



Trn Desc: C 03924

File Number: C 03924

Trn Number: 579575

page: 2

Tom Blaine, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 579575
File Nbr: C 03924

Dec. 02, 2015

ERICA HART
PETTIGREW AND ASSOCIATES
100 EAST NAVAJO DRIVE
SUITE 100
HOBBS, NM 88240

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 12/31/2016, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 12/31/2016.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Dunaway", is written over the typed name.

Deborah Dunaway
(575) 622-6521

Enclosure

explore

Locator Tool Report

General Information:

Application ID: 29 Date: 12-02-2015 Time: 14:01:44

WR File Number: C
Purpose: POINT OF DIVERSION

Applicant First Name: ENVIRO-DRILL/PETTIGREW AND ASSOC
Applicant Last Name: BH-2

GW Basin: CARLSBAD
County: EDDY

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NW 1/4 of SW 1/4 of SE 1/4 of NE 1/4 of Section 17, Township 24S, Range 29E.

Coordinate System Details:

Geographic Coordinates:

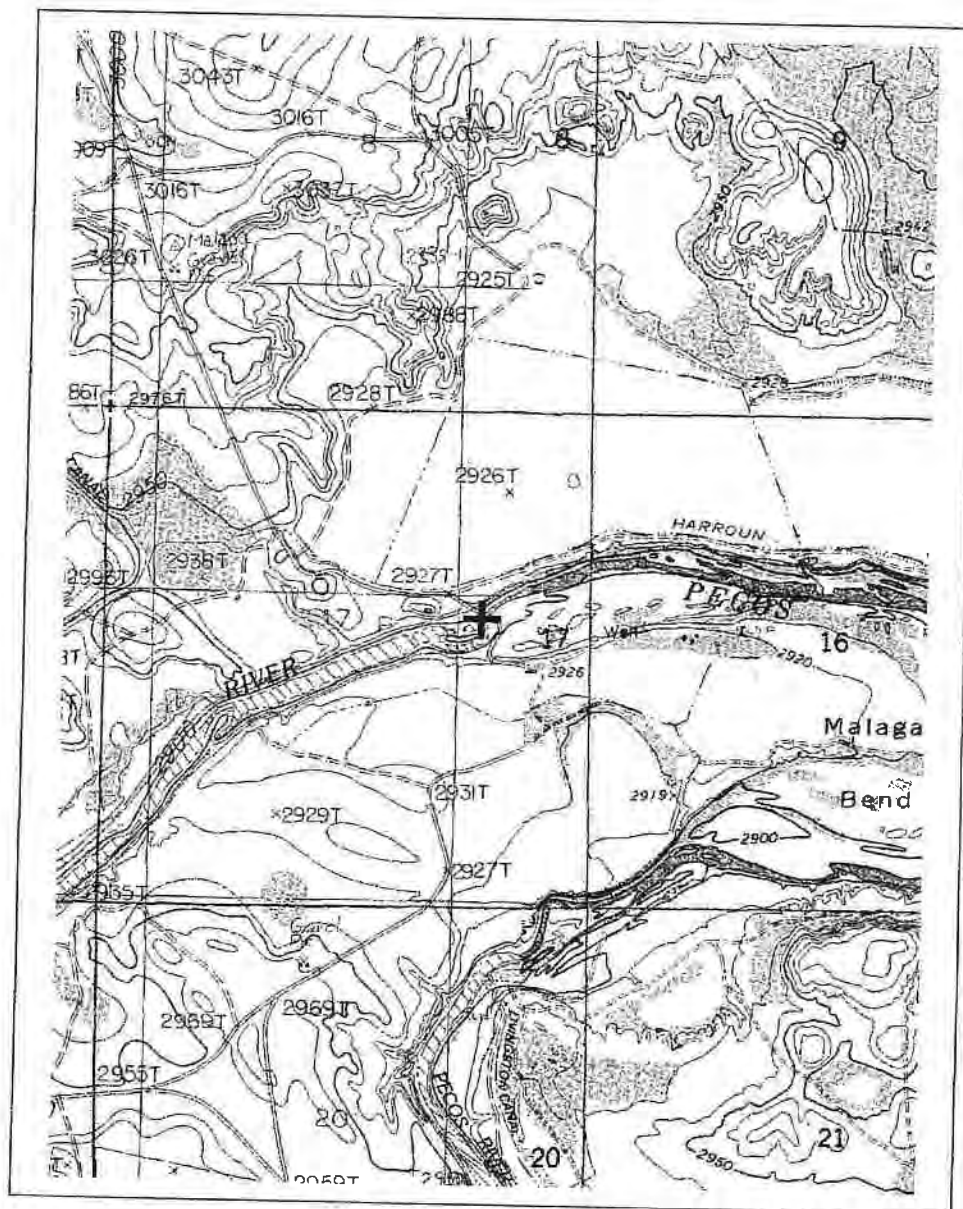
Latitude: 32 Degrees 13 Minutes 8.2 Seconds N
Longitude: 104 Degrees 0 Minutes 7.4 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,565,140	E: 594,039
NAD 1983(92) (Survey Feet)	N: 11,696,631	E: 1,948,944
NAD 1927 (Meters)	N: 3,564,939	E: 594,088
NAD 1927 (Survey Feet)	N: 11,695,969	E: 1,949,102

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 135,192	E: 196,227
NAD 1983(92) (Survey Feet)	N: 443,541	E: 643,788
NAD 1927 (Meters)	N: 135,174	E: 183,674
NAD 1927 (Survey Feet)	N: 443,482	E: 602,604

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C

Scale: 1:24,594

Northing/Easting: UTM83(92) (Meter): N: 3,565,140

E: 594,039

Northing/Easting: SPCS83(92) (Feet): N: 443,541

E: 643,788

GW Basin: Carlsbad

Locator Tool Report**General Information:**

Application ID: 29 Date: 11-19-2015 Time: 09:42:28

WR File Number: C

Purpose: POINT OF DIVERSION

Applicant First Name: ENVIRO-DRILL/PETTIGREW AND ASSOC

Applicant Last Name: BH-1

GW Basin: CARLSBAD

County: EDDY

Critical Management Area Name(s): NONE

Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

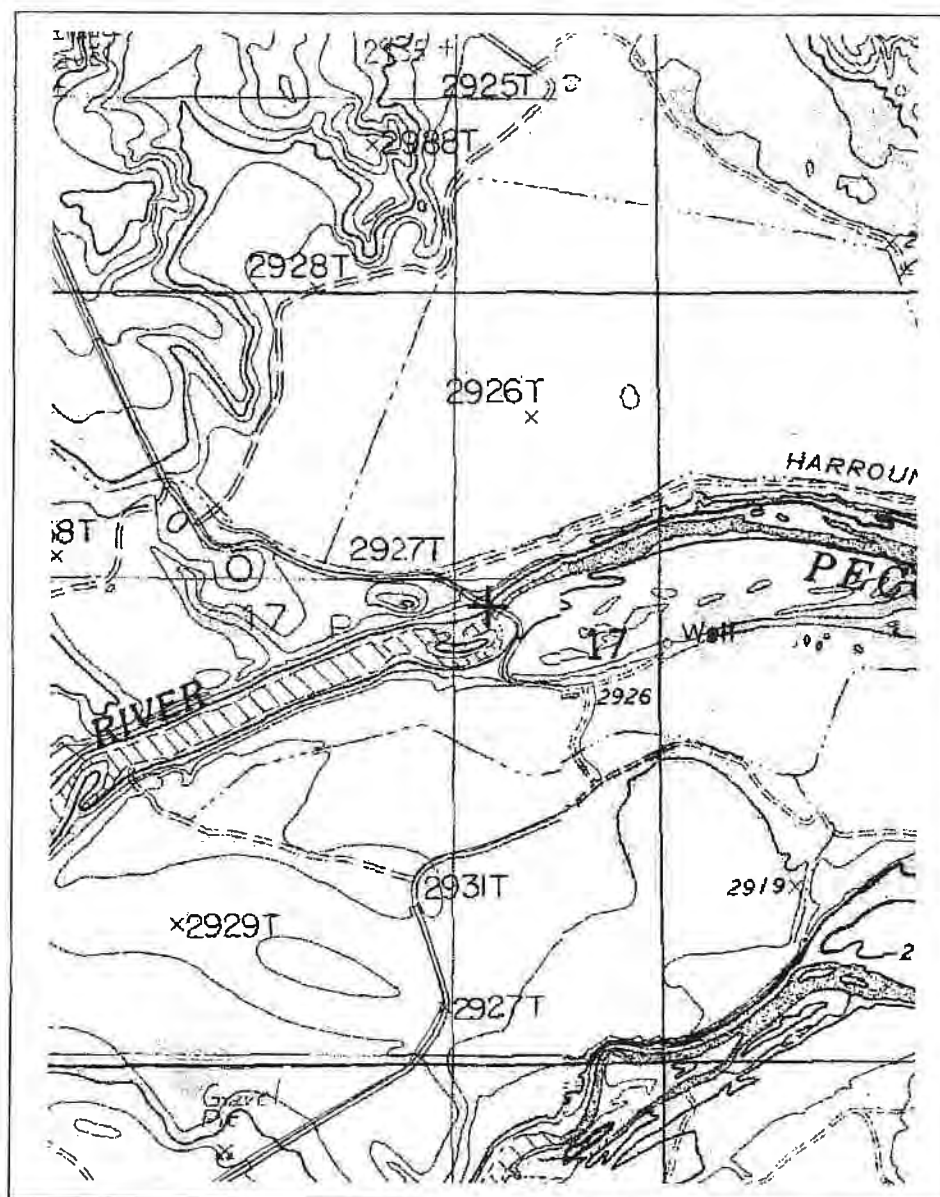
NW 1/4 of SW 1/4 of SE 1/4 of NE 1/4 of Section 17, Township 24S, Range 29E.

Coordinate System Details:**Geographic Coordinates:**Latitude: 32 Degrees 13 Minutes 8.2 Seconds N
Longitude: 104 Degrees 0 Minutes 7.6 Seconds W**Universal Transverse Mercator Zone: 13N**

NAD 1983(92) (Meters)	N: 3,565,142	E: 594,033
NAD 1983(92) (Survey Feet)	N: 11,696,637	E: 1,948,922
NAD 1927 (Meters)	N: 3,564,940	E: 594,081
NAD 1927 (Survey Feet)	N: 11,695,975	E: 1,949,080

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 135,193	E: 196,220
NAD 1983(92) (Survey Feet)	N: 443,547	E: 643,765
NAD 1927 (Meters)	N: 135,175	E: 183,667
NAD 1927 (Survey Feet)	N: 443,488	E: 602,581

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C

Scale: 1:15,834

Northing/Easting: UTM83(92) (Meter): N: 3,565,142

E: 594,033

Northing/Easting: SPCS83(92) (Feet): N: 443,547

E: 643,765

GW Basin: Carlsbad

Locator Tool Report**General Information:**

Application ID: 29

Date: 11-19-2015

Time: 09:58:15

WR File Number: C

Purpose: POINT OF DIVERSION

Applicant First Name: ENVIRO-DRILL/PETTIGREW AND ASSOC

Applicant Last Name: BH-3

GW Basin: CARLSBAD

County: EDDY

Critical Management Area Name(s): NONE

Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NW 1/4 of SW 1/4 of SE 1/4 of NE 1/4 of Section 17, Township 24S, Range 29E.

Coordinate System Details:**Geographic Coordinates:**

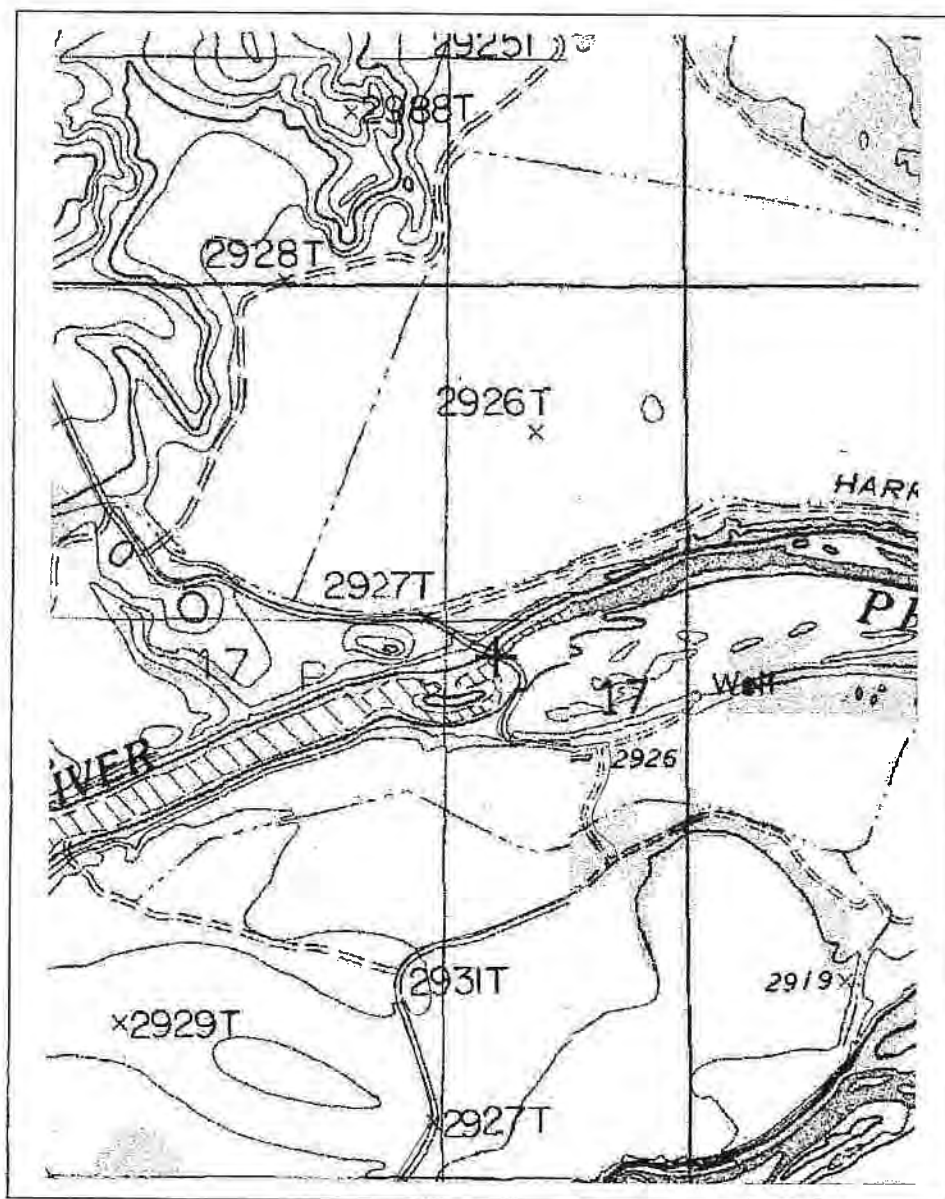
Latitude: 32 Degrees 13 Minutes 8.0 Seconds N
Longitude: 104 Degrees 0 Minutes 6.9 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,565,134	E: 594,053
NAD 1983(92) (Survey Feet)	N: 11,696,610	E: 1,948,987
NAD 1927 (Meters)	N: 3,564,932	E: 594,101
NAD 1927 (Survey Feet)	N: 11,695,949	E: 1,949,146

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 135,185	E: 196,240
NAD 1983(92) (Survey Feet)	N: 443,520	E: 643,831
NAD 1927 (Meters)	N: 135,167	E: 183,687
NAD 1927 (Survey Feet)	N: 443,461	E: 602,647

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C

Scale: 1:13,516

Northing/Easting: UTM83(92) (Meter): N: 3,565,134

E: 594,053

Northing/Easting: SPCS83(92) (Feet): N: 443,520

E: 643,831

GW Basin: Carlsbad

Locator Tool Report**General Information:**

Application ID: 29 Date: 11-19-2015 Time: 09:58:58

WR File Number: C
Purpose: POINT OF DIVERSION

Applicant First Name: ENVIRO-DRILL/PETTIGREW AND ASSOC
Applicant Last Name: BH-4

GW Basin: CARLSBAD
County: EDDY

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NW 1/4 of SW 1/4 of SE 1/4 of NE 1/4 of Section 17, Township 24S, Range 29E.

Coordinate System Details:**Geographic Coordinates:**

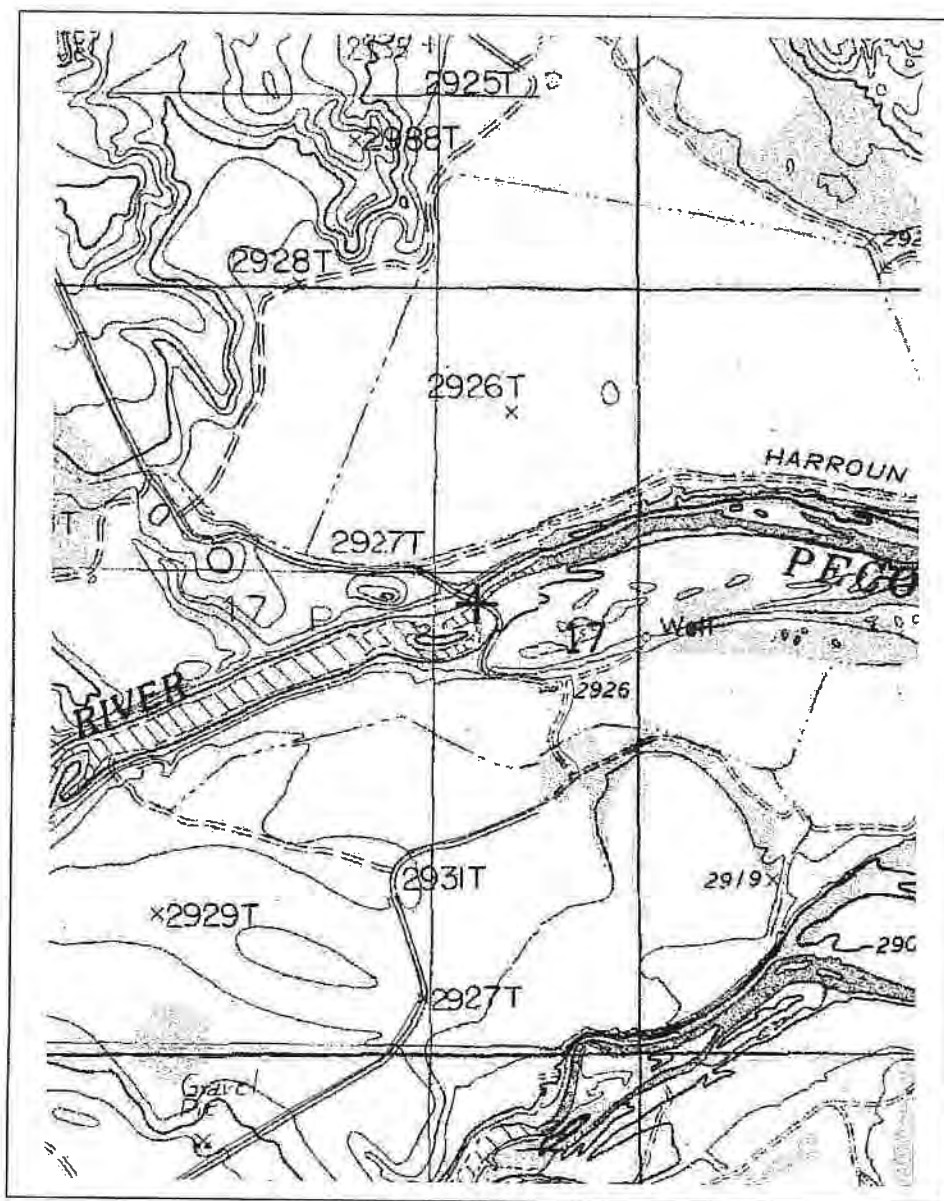
Latitude: 32 Degrees 13 Minutes 7.9 Seconds N
Longitude: 104 Degrees 0 Minutes 6.9 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,565,132	E: 594,051
NAD 1983(92) (Survey Feet)	N: 11,696,603	E: 1,948,984
NAD 1927 (Meters)	N: 3,564,930	E: 594,100
NAD 1927 (Survey Feet)	N: 11,695,942	E: 1,949,142

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 135,183	E: 196,239
NAD 1983(92) (Survey Feet)	N: 443,513	E: 643,827
NAD 1927 (Meters)	N: 135,165	E: 183,686
NAD 1927 (Survey Feet)	N: 443,454	E: 602,643

NEW MEXICO OFFICE OF STATE ENGINEER**Locator Tool Report**

WR File Number: C

Scale: 1:15,906

Northing/Easting: UTM83(92) (Meter): N: 3,565,132

E: 594,051

Northing/Easting: SPCS83(92) (Feet): N: 443,513

E: 643,827

GW Basin: Carlsbad

**Eddy County
Board of Commissioners**

Glenn Collier
Susan Crockett
Stella Davis
Royce Pearson
James Walterscheid



**Rick J. Rudometkin
Eddy County Manager**

101 W. Greene St.
Suite 110
Carlsbad, NM 88220
Phone: 575-887-9511
Fax: 575-234-1835

November 24, 2015

On our behalf, I authorize Erica Hart with Pettigrew and Associates to Act as agent for the Dogtown Bridge Permit Application process. For instances where our authorized agent signs the application for certification on our behalf, I acknowledge that all responsibility for complying with the terms and conditions for certification, still resides with Eddy County.

Christine A. McCroskey
Christine A. McCroskey
Fiscal Officer – Public Works
410 E. Derrick Road
Carlsbad, NM 88220
Mobile Phone: 575-361-5525
Email: cmccroskey@co.eddy.nm.us

2015 DEC -2 AM 7:38

STAFF HOURS OFFICE
CROCKETT NEW MEXICO

**PETTIGREW
& ASSOCIATES PA**ENGINEERING | SURVEYING | TESTING
DEFINING QUALITY SINCE 1965THE NEW MEXICO
Private 100
THE TOP 100 COMPANIES IN NEW MEXICO

November 18, 2015

Southwest Salt Company, LLC.
PO Box 445
Paola, Kansas 66071RE: Survey Permission Request - CR 788 Dogtown Road, Eddy County, New Mexico

Dear Southwest Salt Company, LLC.,

Pettigrew & Associates has been contracted by Eddy County to perform surveying and design to repair or rebuild county roads that have been damaged.

The purpose of this letter is to inform you that Pettigrew employees or contractors will be working in the area soon, and to obtain permission to enter your property for various survey and study activities that are necessary for us to complete our work.

I have enclosed a Permission to Enter Property Form which identifies activities that may be required on your property. If you feel that conditions should be added to the permission form, please feel free to specify those in the "Conditions requested by Owner" section. Please return the signed form in the enclosed envelope as soon as possible.

It may be necessary for us to establish the location of some of your property lines in order to accurately locate the parcels of land involved in this project. If you have knowledge or other information regarding past surveys, survey markers, property corner markers, fence lines, easements, rights of way, unrecorded deeds, plats or maps, or any other information that may assist us, please contact us at your earliest convenience to share this information.

Since communication is very important to both of us, please make certain we have your correct address, home or work phone numbers as well as any tenant or representative you would like us to contact.

Thank you for your cooperation with Pettigrew & Associates as well as Eddy County in completing needed road repairs. If you have any questions regarding the enclosed form, please feel free to contact me or Claudius Sanchez, PE at: 575-393-9827 or via e-mail csanchez@pettigrew.us.

Sincerely,

Pettigrew & Associates, P.A.Debra P. Hicks, PE/LSI
President100 E. Navajo Drive Suite 100 Hobbs NM 88240 T 575 393 9827 F 575 393 1543 Pettigrew.us

2015 DEC -2 AM 7:38

STATE ENGINEER OFFICE
Claus Sanchez, PE

Southwest Salt Company, LLC.
PO Box 445
Paola, Kansas 66071

Parcel Number(s): Township 24 South, Range 29 East, Section 06: 4-169-139-398-201

Permission to Enter Property:

The undersigned property owner, owner's representative, or lessee hereby grants permission to Pettigrew & Associates, its contractor's, agents, and all others deemed necessary by Pettigrew & Associates, to enter the property identified above to perform the following activities:

Description of work to be done on the property:

- ⑦ Perform preliminary land surveys, which may including; recovery of, and measurements to, horizontal and vertical survey marks; topographic survey which includes the modeling of ground terrain and mapping of physical features; and the placement of temporary stakes.

Description of work to be done within 100' of existing centerline of the road:

- ⑦ Conduct preliminary environmental surveys to identify the presence of archaeological, historical, paleontological or ecological resources and perform noise or air quality measurements. These surveys may include the exterior inspection of structures and buildings; the collection of chipped stone, biological, botanical, or fossil specimens; or sampling of subsurface soil material.

Description of work to be done within the Eddy County ROW:

- ⑦ Conduct soils or hydraulics investigation, including sampling and subsurface investigation to determine drainage characteristics, soil types or other geologic conditions. Subsurface investigations will be comprised of a 8 inch maximum diameter hole to a depth of 30 feet. Boreholes will be backfilled with bentonite grout, as outlined in the plugging plan approved by the Office of the State Engineer.
- ⑦ The use of hand tools, drill rig, supply truck or other assigned vehicles.
- ⑦ The use of an ATV or Off-Road Vehicle to access remote areas of property.

Conditions Requested by Owner:

Have all field personnel contact Mike Dixon, Plant MGR.
At 913-259-1082 before entering Southwest Salt property

Permission Granted By:

Charles J. Dixon
Signature

Charles J. Dixon
Printed Name

11-30-2015
Date

Contact Phone Number: 913-594-2100

E-mail Address: SOUTHWESTSAIT@GMAIL.COM

2015 DEC -7 AM 7:39
SOUTHWESTSAIT@GMAIL.COM



PETTIGREW
& ASSOCIATES P.A.

ENGINEERING | SURVEYING | TESTING
DEFINING QUALITY SINCE 1965

THE NEW MEXICO
Private 100

THE TOP 100 COMPANIES IN NEW MEXICO

November 18, 2015

B&D Holdings LLC,
PO Box 445
Paola, Kansas 66071

RE: Survey Permission Request - CR 788 Dogtown Road, Eddy County, New Mexico

Dear B&D Holdings LLC,

Pettigrew & Associates has been contracted by Eddy County to perform surveying and design to repair or rebuild county roads that have been damaged.

The purpose of this letter is to inform you that Pettigrew employees or contractors will be working in the area soon, and to obtain permission to enter your property for various survey and study activities that are necessary for us to complete our work.

I have enclosed a Permission to Enter Property Form which identifies activities that may be required on your property. If you feel that conditions should be added to the permission form, please feel free to specify those in the "Conditions requested by Owner" section. Please return the signed form in the enclosed envelope as soon as possible.

It may be necessary for us to establish the location of some of your property lines in order to accurately locate the parcels of land involved in this project. If you have knowledge or other information regarding past surveys, survey markers, property corner markers, fence lines, easements, rights of way, unrecorded deeds, plats or maps, or any other information that may assist us, please contact us at your earliest convenience to share this information.

Since communication is very important to both of us, please make certain we have your correct address, home or work phone numbers as well as any tenant or representative you would like us to contact.

Thank you for your cooperation with Pettigrew & Associates as well as Eddy County in completing needed road repairs. If you have any questions regarding the enclosed form, please feel free to contact me or Claudius Sanchez, PE at: 575-393-9827 or via e-mail csanchez@pettigrew.us.

Sincerely,

Pettigrew & Associates, P.A.

Debra P. Hicks, PE/LSI
President

100 E. Navajo Drive Suite 100 Hobbs NM 88240 T 575 393 9827 F 575 393 1543 Pettigrew.us

2015 DEC -2 AM 7:39

STANDARD & PO
MAIL ROOM
12/16/2015

271

B&D Holdings LLC,
PO Box 445
Paola, Kansas 66071

Parcel Number(s): Township 24 South, Range 29 East, Section 17: 4-170-141-464-330

Permission to Enter Property:

The undersigned property owner, owner's representative, or lessee hereby grants permission to Pettigrew & Associates, its contractor's, agents, and all others deemed necessary by Pettigrew & Associates, to enter the property identified above to perform the following activities:

Description of work to be done on the property:

- ⑦ Perform preliminary land surveys, which may including; recovery of, and measurements to, horizontal and vertical survey marks; topographic survey which includes the modeling of ground terrain and mapping of physical features; and the placement of temporary stakes.

Description of work to be done within 100' of existing centerline of the road:

- ⑦ Conduct preliminary environmental surveys to identify the presence of archaeological, historical, paleontological or ecological resources and perform noise or air quality measurements. These surveys may include the exterior inspection of structures and buildings; the collection of chipped stone, biological, botanical, or fossil specimens; or sampling of subsurface soil material.

Description of work to be done within the Eddy County ROW:

- ⑦ Conduct soils or hydraulics investigation, including sampling and subsurface investigation to determine drainage characteristics, soil types or other geologic conditions. Subsurface investigations will be comprised of a 8 inch maximum diameter hole to a depth of 30 feet. Boreholes will be backfilled with bentonite grout, as outlined in the plugging plan approved by the Office of the State Engineer.
- ⑦ The use of hand tools, drill rig, supply truck or other assigned vehicles.
- ⑦ The use of an ATV or Off-Road Vehicle to access remote areas of property.

2015 DEC -2 AM 7:38

STATE ENGINEER
OFFICE OF THE STATE ENGINEER
EDDY COUNTY, NEW MEXICO

Conditions Requested by Owner:

Permission Granted By:

Charles J. Dixon
Signature

Charles J. Dixon
Printed Name

11-30-2015
Date

Contact Phone Number: 913-594-2100

E-mail Address: DXSEMM@yahoo.com

2015 DEC -2 AM 7:38

STATE OF KANSAS
SOUTHERN DISTRICT
JAIL



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)





OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)





OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)





OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)





OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)



OXY, CEDAR CANYON 16-1 (6/10/20 ,7/14/20)





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

October 16, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 16-1

Enclosed are the results of analyses for samples received by the laboratory on 10/10/24 14:00.

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". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 1 @ 3' (H246180-01)

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	10/11/2024	ND	2.06	103	2.00	3.05	
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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
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 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 2 @ 3' (H246180-02)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 3 @ 2' (H246180-03)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 4 @ 2' (H246180-04)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18		
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND						

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 5 @ 2' (H246180-05)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 6 @ 2' (H246180-06)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 7 @ 2' (H246180-07)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 8 @ 1' (H246180-08)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 9 @ 1' (H246180-09)

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	10/11/2024	ND	2.06	103	2.00	3.05		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	1.56		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.34	117	2.00	4.77		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	7.05	118	6.00	6.13		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	432	108	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	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 10 @ 1' (H246180-10)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/14/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 11 @ 1' (H246180-11)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 12 @ 1' (H246180-12)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 13 @ 1' (H246180-13)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 14 @ 1' (H246180-14)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 15 @ 1' (H246180-15)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 16 @ 1' (H246180-16)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

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	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

BBC International, Inc.
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 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 17 @ 1' (H246180-17)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

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	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 18 @ 1' (H246180-18)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

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	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 19 @ 1' (H246180-19)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

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	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 20 @ 1' (H246180-20)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	217	109	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	193	96.4	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 21 @ 1' (H246180-21)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.5 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 22 @ 1' (H246180-22)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 23 @ 1' (H246180-23)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 24 @ 1' (H246180-24)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 25 @ 1' (H246180-25)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 26 @ 1' (H246180-26)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 27 @ 1' (H246180-27)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 28 @ 1' (H246180-28)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 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:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 29 @ 1' (H246180-29)

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	10/11/2024	ND	2.05	103	2.00	0.797		
Toluene*	<0.050	0.050	10/11/2024	ND	2.18	109	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.22	111	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.76	113	6.00	3.72		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/07/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 30 @ 1' (H246180-30)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 31 @ 1' (H246180-31)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 32 @ 1' (H246180-32)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 33 @ 1' (H246180-33)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 34 @ 1' (H246180-34)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 35 @ 1' (H246180-35)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.2 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 36 @ 1' (H246180-36)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 37 @ 1' (H246180-37)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 38 @ 1' (H246180-38)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 39 @ 1' (H246180-39)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 40 @ 1' (H246180-40)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	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	10/11/2024	ND	202	101	200	2.74	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	199	99.7	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 41 @ 1' (H246180-41)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 42 @ 1' (H246180-42)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 43 @ 1' (H246180-43)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 44 @ 1' (H246180-44)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 45 @ 1' (H246180-45)

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	10/11/2024	ND	2.06	103	2.00	3.15	
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66	
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45	
Total BTEX	<0.300	0.300	10/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 46 @ 1' (H246180-46)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 47 @ 1' (H246180-47)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEX	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 48 @ 1' (H246180-48)

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	10/11/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/11/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/11/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/11/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 49 @ 1' (H246180-49)

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	10/12/2024	ND	2.06	103	2.00	3.15		
Toluene*	<0.050	0.050	10/12/2024	ND	2.19	110	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/12/2024	ND	2.25	112	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/12/2024	ND	6.89	115	6.00	1.45		
Total BTEx	<0.300	0.300	10/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	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	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 50 @ 1' (H246180-50)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 51 @ 1' (H246180-51)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 52 @ 1' (H246180-52)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 53 @ 1' (H246180-53)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	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	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 54 @ 1' (H246180-54)

BTX 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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTX	<0.300	0.300	10/14/2024	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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 55 @ 1' (H246180-55)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 56 @ 1' (H246180-56)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	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	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: BOTTOM SAMPLE 57 @ 1' (H246180-57)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 1 (H246180-58)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEX	<0.300	0.300	10/14/2024	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	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 2 (H246180-59)

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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 3 (H246180-60)

BTX 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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTX	<0.300	0.300	10/14/2024	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	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	211	105	200	7.69	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	194	97.1	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 4 (H246180-61)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEX	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 5 (H246180-62)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 6 (H246180-63)

BTX 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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTX	<0.300	0.300	10/14/2024	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	112	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 7 (H246180-64)

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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 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:	10/10/2024	Sampling Date:	10/08/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 8 (H246180-65)

BTX 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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 9 (H246180-66)

BTX 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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTX	<0.300	0.300	10/14/2024	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	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 10 (H246180-67)

BTX 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	10/14/2024	ND	2.08	104	2.00	1.17	
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78	
Total BTX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	144	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 11 (H246180-68)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEx	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	128	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 12 (H246180-69)

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	10/14/2024	ND	2.08	104	2.00	1.17		
Toluene*	<0.050	0.050	10/14/2024	ND	2.11	105	2.00	1.84		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.17	108	2.00	2.16		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.46	108	6.00	2.78		
Total BTEX	<0.300	0.300	10/14/2024	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	160	16.0	10/14/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 13 (H246180-70)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 14 (H246180-71)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 15 (H246180-72)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 16 (H246180-73)

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	10/14/2024	ND	2.01	101	2.00	3.75	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412	
Total BTEX	<0.300	0.300	10/14/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 17 (H246180-74)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 104 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 18 (H246180-75)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Analytical Results For:

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Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 19 (H246180-76)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 20 (H246180-77)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 21 (H246180-78)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 22 (H246180-79)

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	10/14/2024	ND	2.01	101	2.00	3.75		
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	1.45		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	100	2.00	0.501		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.99	99.8	6.00	0.0412		
Total BTEX	<0.300	0.300	10/14/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 23 (H246180-80)

BTX 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	10/14/2024	ND	2.08	104	2.00	2.50		
Toluene*	<0.050	0.050	10/14/2024	ND	2.21	110	2.00	2.93		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.23	112	2.00	4.30		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.84	114	6.00	3.43		
Total BTX	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	210	105	200	9.92	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	195	97.4	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 24 (H246180-81)

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	10/14/2024	ND	2.08	104	2.00	2.50		
Toluene*	<0.050	0.050	10/14/2024	ND	2.21	110	2.00	2.93		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.23	112	2.00	4.30		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.84	114	6.00	3.43		
Total BTEX	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 25 (H246180-82)

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	10/14/2024	ND	2.08	104	2.00	2.50	
Toluene*	<0.050	0.050	10/14/2024	ND	2.21	110	2.00	2.93	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.23	112	2.00	4.30	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.84	114	6.00	3.43	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.5 % 49.1-148

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Analytical Results For:

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

Received:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 26 (H246180-83)

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	10/14/2024	ND	2.08	104	2.00	2.50		
Toluene*	<0.050	0.050	10/14/2024	ND	2.21	110	2.00	2.93		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.23	112	2.00	4.30		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.84	114	6.00	3.43		
Total BTEX	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SIDEWALL 27 (H246180-84)

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	10/14/2024	ND	2.08	104	2.00	2.50		
Toluene*	<0.050	0.050	10/14/2024	ND	2.21	110	2.00	2.93		
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.23	112	2.00	4.30		
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.84	114	6.00	3.43		
Total BTEx	<0.300	0.300	10/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/11/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
- 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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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

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)

Project Location: New Mexico

Sample Name: SIMON RENDON

P.O. #:

Company: Oxy

Attn:

Address:

City:

State:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

1346/180

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME
1	BOTTOM SAMPLE 1@3'						10/7/24	9:22AM
2	BOTTOM SAMPLE 2@3'						10/7/24	9:34AM
3	BOTTOM SAMPLE 3@2'						10/7/24	9:41AM
4	BOTTOM SAMPLE 4@2'						10/7/24	9:53AM
5	BOTTOM SAMPLE 5@2'						10/7/24	10:10AM
6	BOTTOM SAMPLE 6@2'						10/7/24	10:24AM
7	BOTTOM SAMPLE 7@2'						10/7/24	10:36AM
8	BOTTOM SAMPLE 8@1'						10/7/24	10:51AM
9	BOTTOM SAMPLE 9@1'						10/7/24	11:02AM
10	BOTTOM SAMPLE 10@1'						10/7/24	11:12AM

Chloride
BTEX
TPHEX

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

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LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20) Project Location: New Mexico Sampler Name: SIMON RENDON <small>FOR LAB USE ONLY</small>		P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:	
BILL TO		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	Matrix	Preserv
		(G)RAB OR (C)OMP.	
		# CONTAINERS	
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER :	
		ACID/BASE:	
		ICE / COOL	
		OTHER :	
		DATE	TIME
		SAMPLING	
BOTTOM SAMPLE 11@1' BOTTOM SAMPLE 12@1' BOTTOM SAMPLE 13@1' BOTTOM SAMPLE 14@1' BOTTOM SAMPLE 15@1' BOTTOM SAMPLE 16@1' BOTTOM SAMPLE 17@1' BOTTOM SAMPLE 18@1' BOTTOM SAMPLE 19@1' BOTTOM SAMPLE 20@1'		<input checked="" type="checkbox"/> SOIL <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :	Chloride BTEX TPH EXI
		10/7/24	11:24AM
		10/7/24	11:31AM
		10/7/24	11:40AM
		10/7/24	11:52AM
		10/7/24	12:04PM
		10/7/24	12:45PM
		10/7/24	12:56PM
		10/7/24	1:05PM
		10/7/24	1:16PM
		10/7/24	1:29PM

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Relinquished By: [Signature] **Date:** 10-10-24 **Received By:** [Signature]

Time: 1400 **Received By:** [Signature]

Delivered By: (Circle One) **Ct-Ole #140** **Sample Condition:** Cool ☒ Intact ☐
Sampler - UPS - Bus - Other: **-12.0c/-12.6c** ☒ Yes ☐ No ☐ No ☐ No

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

REMARKS:

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
Phone #: 575-397-6388 State: NM Zip: 88241
Project #: 575-397-0397
Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)
Project Location: New Mexico
Sample Name: SIMON RENDON

BILL TO
P.O. #: _____
Company: Oxy
Attn: _____
Address: _____
City: _____
State: _____ Zip: _____
Phone #: _____
Fax #: _____

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 :							
H246180	BOTTOM SAMPLE 21@1'																		
21	BOTTOM SAMPLE 22@1'																		
22	BOTTOM SAMPLE 23@1'																		
23	BOTTOM SAMPLE 24@1'																		
24	BOTTOM SAMPLE 25@1'																		
25	BOTTOM SAMPLE 26@1'																		
26	BOTTOM SAMPLE 27@1'																		
27	BOTTOM SAMPLE 28@1'																		
28	BOTTOM SAMPLE 29@1'																		
29	BOTTOM SAMPLE 30@1'																		
30																			

Relinquished By: _____ Date: 10-10-24 Received By: _____ Date: 10-10-24

Delivered By: (Circle One) CF-Oil #140
Sampler - UPS - Bus - Other: -1200/-12.6ci
Sample Condition: Cool Intact
Checked By: (Initials) yo.

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

REMARKS:

Chloride
BTEX
TPH EXT



CARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson

Address: P.O. Box 805
City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)

Project Location: New Mexico

Sampler Name: SIMON RENDON

FOR LAB USE ONLY

P.O. #:

Company: Oxy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

Hobbs 180

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING
31	BOTTOM SAMPLE 31@1'					
32	BOTTOM SAMPLE 32@1'					
33	BOTTOM SAMPLE 33@1'					
34	BOTTOM SAMPLE 34@1'					
35	BOTTOM SAMPLE 35@1'					
36	BOTTOM SAMPLE 36@1'					
37	BOTTOM SAMPLE 37@1'					
38	BOTTOM SAMPLE 38@1'					
39	BOTTOM SAMPLE 39@1'					
40	BOTTOM SAMPLE 40@1'					

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Relinquished By:

Signature

Relinquished By:

Signature

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Sample Condition: Cool ☒ Intact ☒ Yes ☐ No ☐ Yes ☐ No

CHECKED BY: (Initials)

Chloride
BTEX
TPH/EXT

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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs

State: NM Zip: 88241
Phone #: 575-397-6388 Fax #: 575-397-0397
Project #: Project Owner: Oxy

Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)
Project Location: New Mexico

Sample 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	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	BTEX	TPHEXT										
H246180	41												10/8/24	11:04AM	✓	✓	✓										
	42												10/8/24	11:15AM	✓	✓	✓										
	43												10/8/24	11:24AM	✓	✓	✓										
	44												10/8/24	11:37AM	✓	✓	✓										
	45												10/8/24	11:45AM	✓	✓	✓										
	46												10/8/24	11:57AM	✓	✓	✓										
	47												10/8/24	12:44PM	✓	✓	✓										
	48												10/8/24	12:57PM	✓	✓	✓										
	49												10/8/24	1:06PM	✓	✓	✓										
	50												10/8/24	1:18PM	✓	✓	✓										

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Relinquished By:

Relinquished By: *[Signature]*

Date: 10-10-24 Received By: *[Signature]*
Time: 1400 Received By: *[Signature]*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: *CE-O-6 #140*

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Sample Condition
Cool ☒ Intact ☒
Yes ☒ No ☐
Checked BY: *[Signature]*

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



~~ARCHDIAL~~ LABORATORIES
101 East Maryland Unit

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2327

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 92 of 95



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs

State: NM Zip: 88241
Phone #: 575-397-6388
Fax #: 575-397-0397

Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)
Project Location: New Mexico

Project Owner: Oxy
City: State: Zip: Phone #: Fax #:

Sampler Name: SIMON RENDON

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

- 58 SIDEWALL 1
- 59 SIDEWALL 2
- 60 SIDEWALL 3
- 61 SIDEWALL 4
- 62 SIDEWALL 5
- 63 SIDEWALL 6
- 64 SIDEWALL 7
- 65 SIDEWALL 8

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :

MATRIX

PRESERV

SAMPLING

Chloride
BIEX
TPH EXT

DATE

TIME

10/8/24 2:52PM
10/8/24 3:04PM
10/8/24 3:17PM
10/8/24 3:30PM
10/8/24 3:37PM
10/8/24 3:48PM
10/8/24 4:00PM
10/8/24 4:10PM

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
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Relinquished By:

Date: 10-10-24 Received By:

Time: 1400

Date:

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

CF-0.6c #140
-12.0c/-12.6c

Sample Condition
Cool Intact
☒ Yes ☐ No

CHECKED BY: (Initials)
yo

* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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

REMARKS:



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST																	
Project Manager: Cliff Brunson				Company: Oxy																			
Address: P.O. Box 805				Attn:																			
City: Hobbs		State: NM		Zip: 88241																			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																			
Project #:		Project Owner: Oxy		City:																			
Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)		State:		Zip:																			
Project Location: New Mexico		Phone #:		Fax #:																			
Sampler Name: SIMON RENDON																							
<small>FOR LAB USE ONLY</small>																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING											
64		SIDEWALL 9																					
64		SIDEWALL 10																					
68		SIDEWALL 11																					
69		SIDEWALL 12																					
70		SIDEWALL 13																					
71		SIDEWALL 14																					
72		SIDEWALL 15																					
73		SIDEWALL 16																					
74		SIDEWALL 17																					
75		SIDEWALL 18																					
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and exclusions remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the services. 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 interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal. Acquisition of whether such claim is based upon any of the above stated exclusions or otherwise.</small>																							
Relinquished By:		Date: 10-10-24		Received By:		Phone Result:		Yes		No		Add'l Phone #:											
Time: 1400						Fax Result:		Yes		No		Add'l Fax #:											
Date: 10-10-24						REMARKS:																	
Time:																							
Delivered By: (Circle One) CF-0.6c #140		Sample Condition		CHECKED BY:																			
Sampler - UPS - Bus - Other: -180c/-13.6c		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		(Initials)																			
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																					
<small>† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476</small>																							



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
State: NM Zip: 88241
Phone #: 575-397-6388 Fax #: 575-397-0397
Project #:
Project Name: CEDAR CANYON 16-1 (6/10/20, 7/14/20)
Project Location: New Mexico
Sample Name: SIMON RENDON

BILL TO

ANALYSIS REQUEST

P.O. #:
Company: Oxy
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:
FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	BTEX	TPH/EXT
74	SIDEWALL 19						10/9/24	11:40AM	✓	✓	✓
75	SIDEWALL 20						10/9/24	11:51AM	✓	✓	✓
76	SIDEWALL 21						10/9/24	12:05PM	✓	✓	✓
77	SIDEWALL 22						10/9/24	12:47PM	✓	✓	✓
78	SIDEWALL 23						10/9/24	1:03PM	✓	✓	✓
79	SIDEWALL 24						10/9/24	1:16PM	✓	✓	✓
80	SIDEWALL 25						10/9/24	1:27PM	✓	✓	✓
81	SIDEWALL 26						10/9/24	1:38PM	✓	✓	✓
82	SIDEWALL 27						10/9/24	1:49PM	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and damages are limited to the amount paid by the client for the analysis. 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 interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal regardless of whether such claim is based upon any of the above stated theories of liability.

Relinquished By:
Date: 10-10-24 Received By:
Time: 1400

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Sample Condition:
Cool ☒ Yes ☐ No
Intact ☒ Yes ☐ No
Checked By: (Initials)
Phone Result: ☐ Yes ☐ No
Fax Result: ☐ Yes ☐ No
Add'l Phone #:
Add'l Fax #:
REMARKS:

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

QUESTIONS

Action 412122

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2023461379
Incident Name	NRM2023461379 CEDAR CANYON 16-1 BAT @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

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

Site Name	CEDAR CANYON 16-1 BAT
Date Release Discovered	07/14/2020
Surface Owner	Federal

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	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pump Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 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 412122

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	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	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 12/16/2024
--	--

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QUESTIONS, Page 3

Action 412122

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	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 26 and 50 (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 500 and 1000 (ft.)
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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between ½ and 1 (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	Medium
A 100-year floodplain	Between ½ and 1 (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)	160
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	08/29/2024
On what date will (or did) the final sampling or liner inspection occur	10/09/2024
On what date will (or was) the remediation complete(d)	10/09/2024
What is the estimated surface area (in square feet) that will be reclaimed	11147
What is the estimated volume (in cubic yards) that will be reclaimed	276
What is the estimated surface area (in square feet) that will be remediated	11147
What is the estimated volume (in cubic yards) that will be remediated	276

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 412122

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	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:	
<i>(Select all answers below that apply.)</i>	
(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: 12/16/2024
<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 412122

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	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 412122

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	389437
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2024
What was the (estimated) number of samples that were to be gathered	84
What was the sampling surface area in square feet	11147

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	11147
What was the total volume (cubic yards) remediated	276
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	11147
What was the total volume (in cubic yards) reclaimed	276
Summarize any additional remediation activities not included by answers (above)	OXY excavatd the spill area as depicted on the following site diagram. The leak area near SP1 - SP3, SP10, SP13, and SP16 (orange shade on diagram) was excavated to a depth of 1 foot. The leak area near SP4 (dark blue shade on diagram) was excavated to a depth of 2 feet. The leak area near SP8 and SP17 (purple shade on diagram) was excavated to a depth of 3 feet. The leak area near SP5 – SP7, SP9, SP11, SP12, SP14, and SP15 (white shade on diagram) require zero remediation. OXY collected sidewall and confirmation samples every 400 square feet.

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 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: 12/16/2024
--	---

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QUESTIONS, Page 7

Action 412122

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	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

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CONDITIONS

Action 412122

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 412122
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NRM2023461379 CEDAR CANYON 16-1 BAT, thank you. This Remediation Closure Report is approved.	1/7/2025