

# Closure Report

INCIDENT ID#: nRM2022458517

## Site Description

Site Name:	BRAVO DOME D LEG 10
Company:	Oxy USA, Inc.
Legal Description:	U/L H, Section 22, T20N, R31E
County:	HARDING County, NM
GPS Coordinates:	35.95219, -103.62879

## Release Data

Date of Release:	7/17/2020
Type of Release:	PRODUCED WATER
Source of Release:	24 INCH STEEL LINE
Volume of Release:	145.2 BBLS
Volume Recovered:	0 BBLS

## Remediation Specifications

Remediation Parameters:	OXY excavated the spill area as depicted on the following site diagram. The leak area near SP1, SP9, SP11, and SP12 (BLUE shade on diagram) was excavated to a depth of 2 feet. The leak area near SP2 (PINK shade on diagram) was excavated to a depth of 3 feet. The leak area near SP3, SP8, and SP10 (YELLOW shade on diagram) was excavated to a depth of 1 foot. The leak area near SP4 – SP7 (ORANGE shade on diagram) required zero remediation. OXY collected bottom and sidewall confirmation samples every 200 square feet.
Remediation Activities:	8/8/23 - 10/31/23

Plan Sent to OCD:	7/26/2021	
OCD Approval of Plan:	11/15/2022	
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 10/09/23 TO 10/13/23 ,10/20/23	
Notifications	9/28/23 , 3/15/2024	

## Request for Closure

Based on the completion of the remediation, OXY requests closure approval from the NMOCD.  Cliff Brunson, President of BBC International Inc.	4/18/2024
---	-----------

**From:** [Cliff P. Brunson](#)  
**To:** [OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)  
**Cc:** [Wade Dittrich](#); [Tyson Pierce](#); [Kathy Sweeney](#); [Jennifer Gilkey](#)  
**Subject:** OXY - Bravo Dome D Leg 10 (7/17/20) (nRM2022458517) - Sampling Notification  
**Date:** Thursday, September 28, 2023 6:55:41 PM

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This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Bravo Dome D Leg 10 (7/17/20) (nRM2022458517) on Monday, October 9, 2023 at 11:00 a.m.

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)



\*\*\*\*\*  
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\*\*\*\*\*

**From:** [Rodgers, Scott, EMNRD](#)  
**To:** [Cliff P. Brunson](#); [Velez, Nelson, EMNRD](#); [Bratcher, Michael, EMNRD](#)  
**Cc:** [Wade Dittrich](#); [Tyson Pierce](#); [Kathy Sweeney](#); [Jennifer Gilkey](#)  
**Subject:** RE: [EXTERNAL] OXY - Bravo Dome D Leg 10 (7/17/20) (nRM2022458517) - Sampling Notification  
**Date:** Friday, September 29, 2023 8:38:05 AM

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Notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

**Scott Rodgers • Environmental Specialist**  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113  
505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



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**From:** Cliff P. Brunson <cbrunson@bbcinternational.com>  
**Sent:** Thursday, September 28, 2023 6:56 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Wade Dittrich <Wade\_Dittrich@oxy.com>; Tyson Pierce <tyson\_pierce@oxy.com>; Kathy Sweeney <kathys@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>  
**Subject:** [EXTERNAL] OXY - Bravo Dome D Leg 10 (7/17/20) (nRM2022458517) - Sampling Notification

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

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Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388

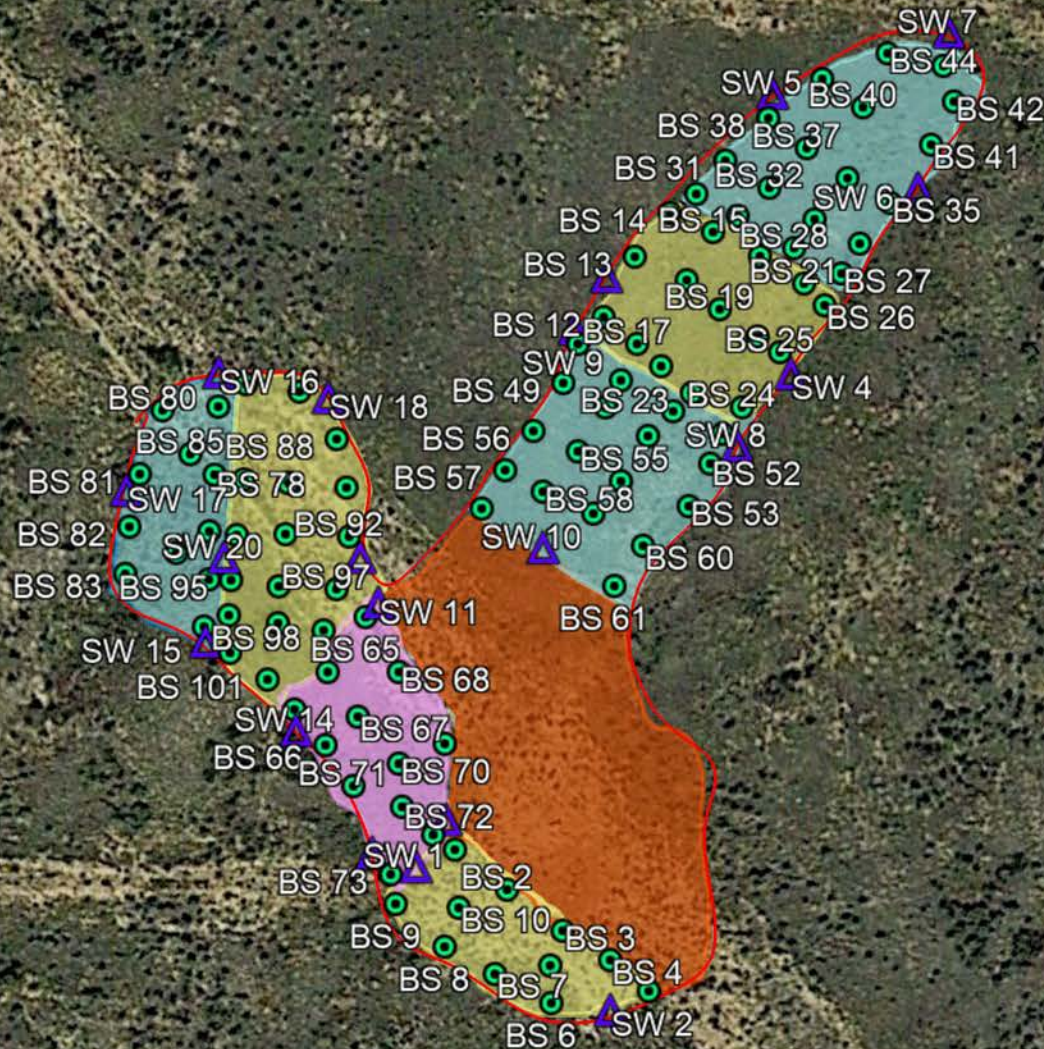


# OXY, BRAVO DOME D LEG 10

LEAK DATE : 7/17/20  
HARDING COUNTY ,NM  
ID#nRM2022458517

## Legend

- 2' EXCAVATION
- 1' EXCAVATION
- 3' EXCAVATION
- BOTTOM CONFIRMATION SAMPLE POINTS
- Leak Area
- SIDEWALL CONFIRMATION SAMPLE POINTS
- ZERO ECAVATION



Google Earth



200 ft

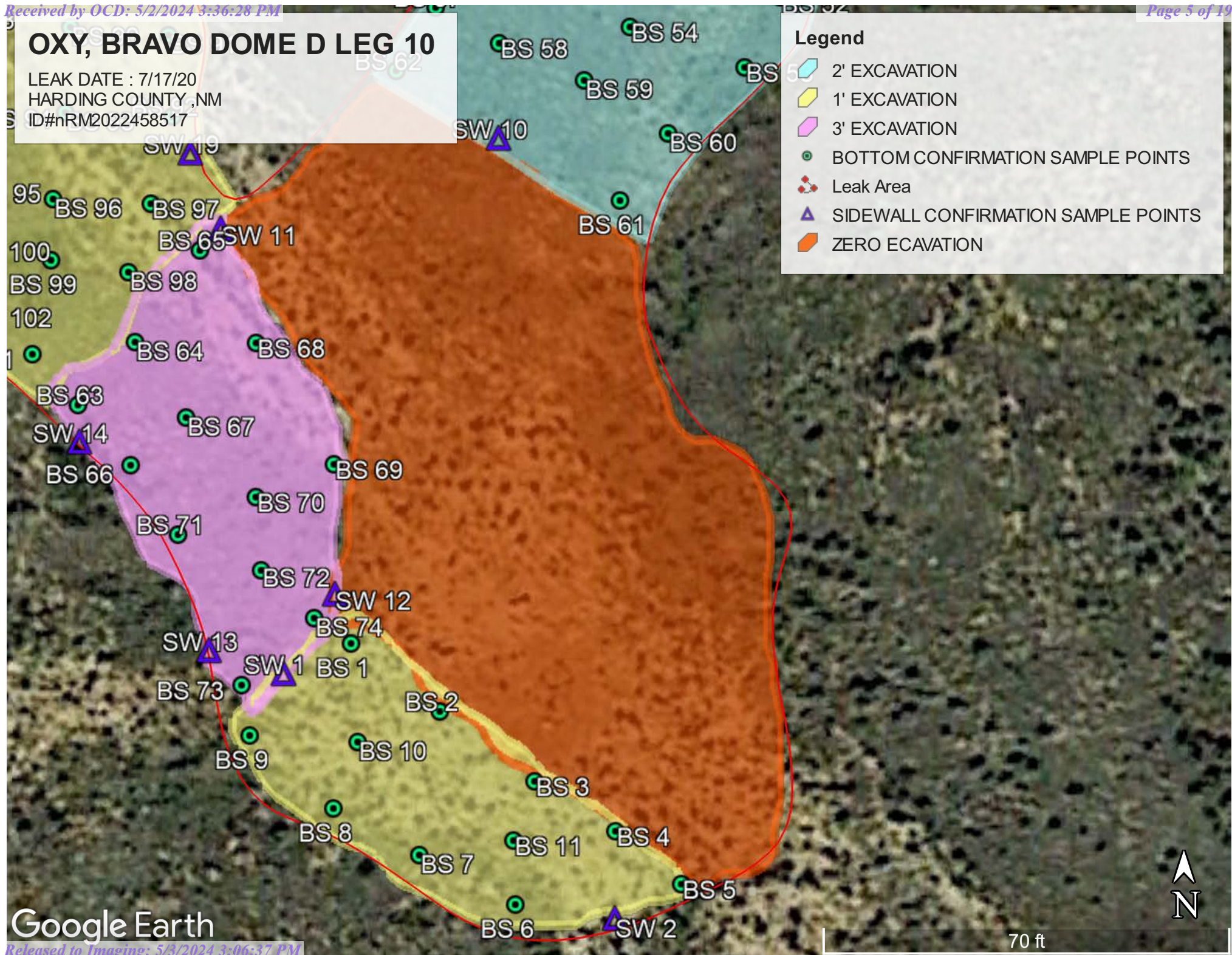


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Google Earth

70 ft

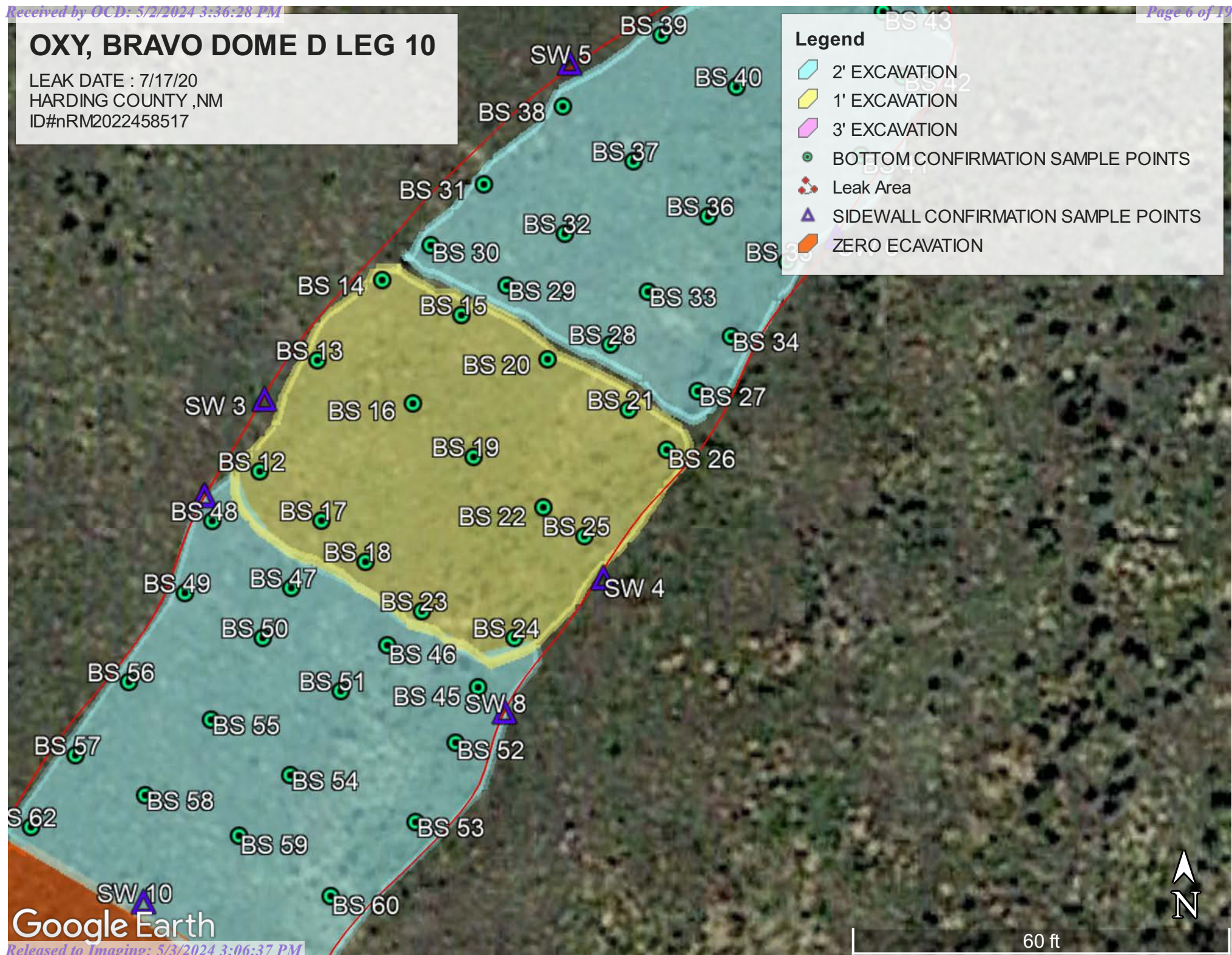


# OXY, BRAVO DOME D LEG 10

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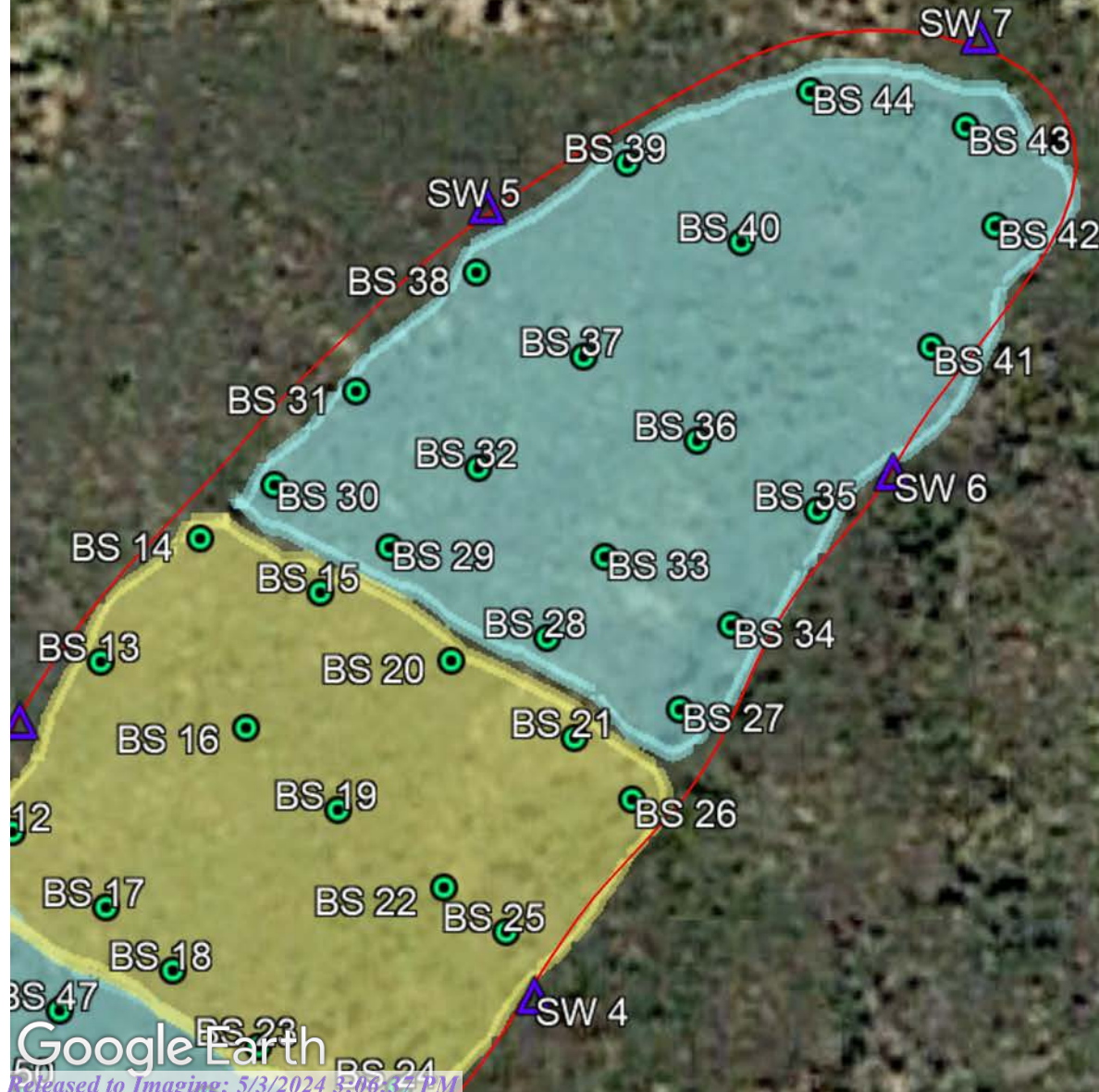


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- Leak Area
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Google Earth

70 ft



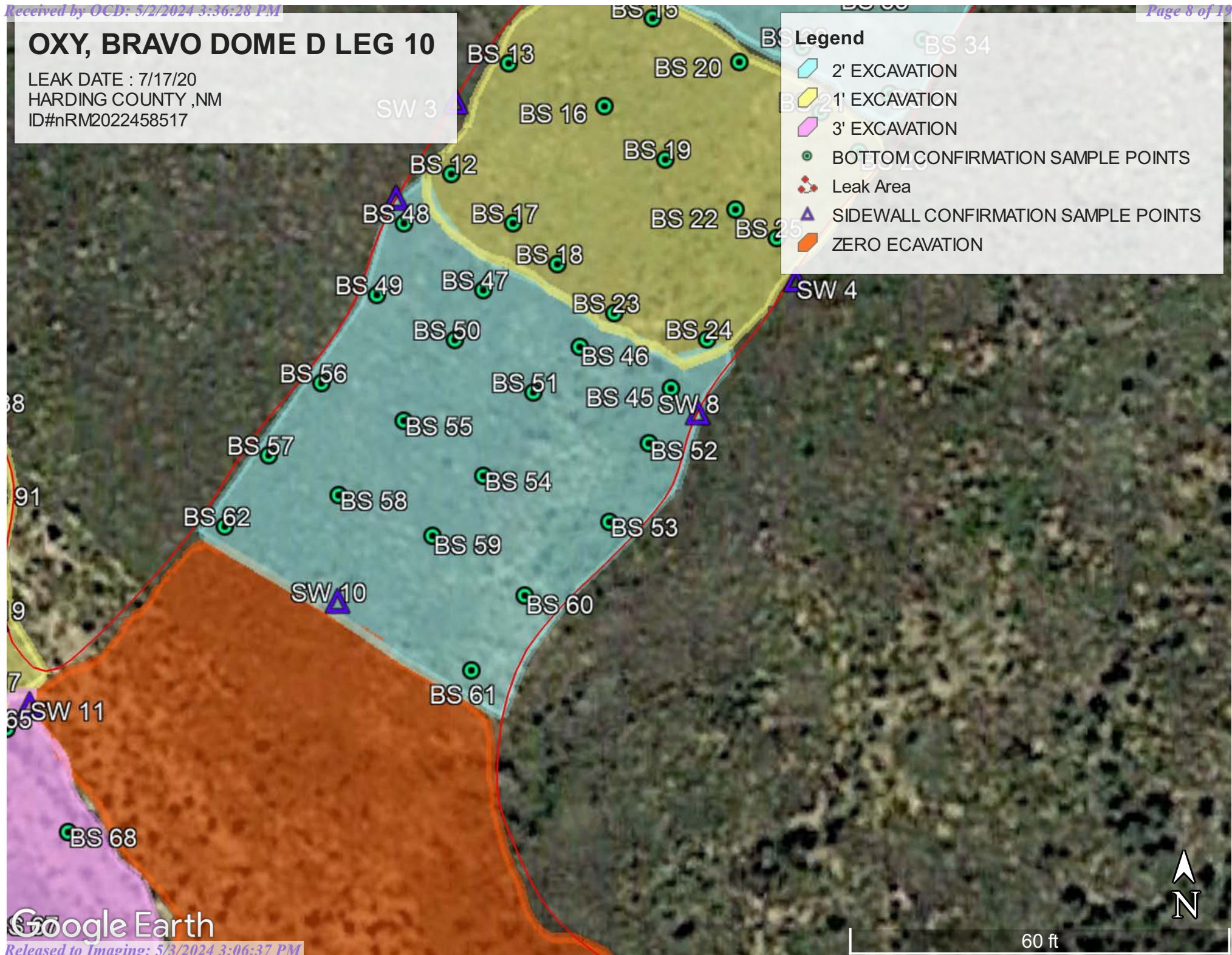


# OXY, BRAVO DOME D LEG 10

LEAK DATE : 7/17/20  
HARDING COUNTY ,NM  
ID#nRM2022458517

## Legend

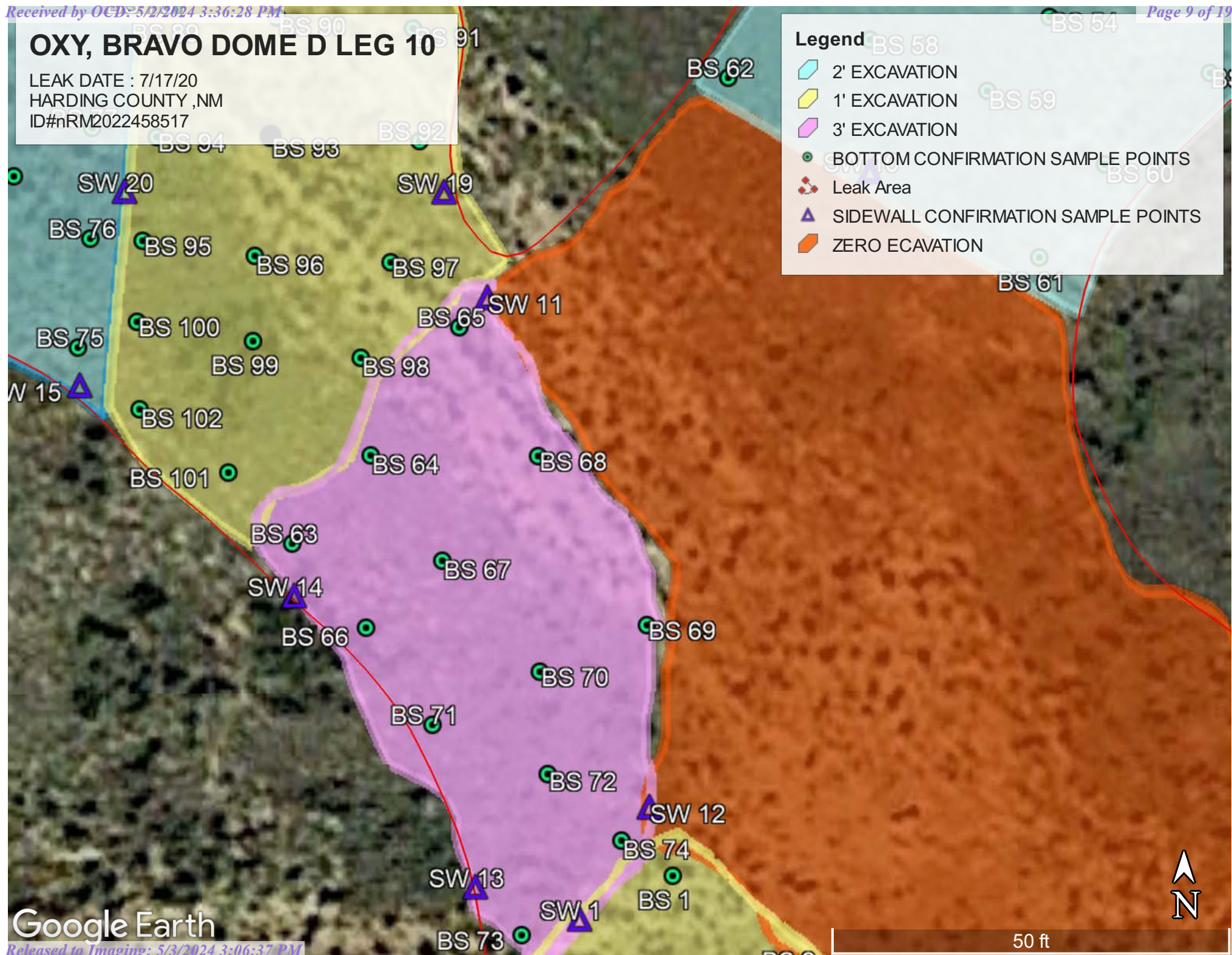
- 2' EXCAVATION
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- BOTTOM CONFIRMATION SAMPLE POINTS
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- ZERO ECAVATION





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HARDING COUNTY ,NM  
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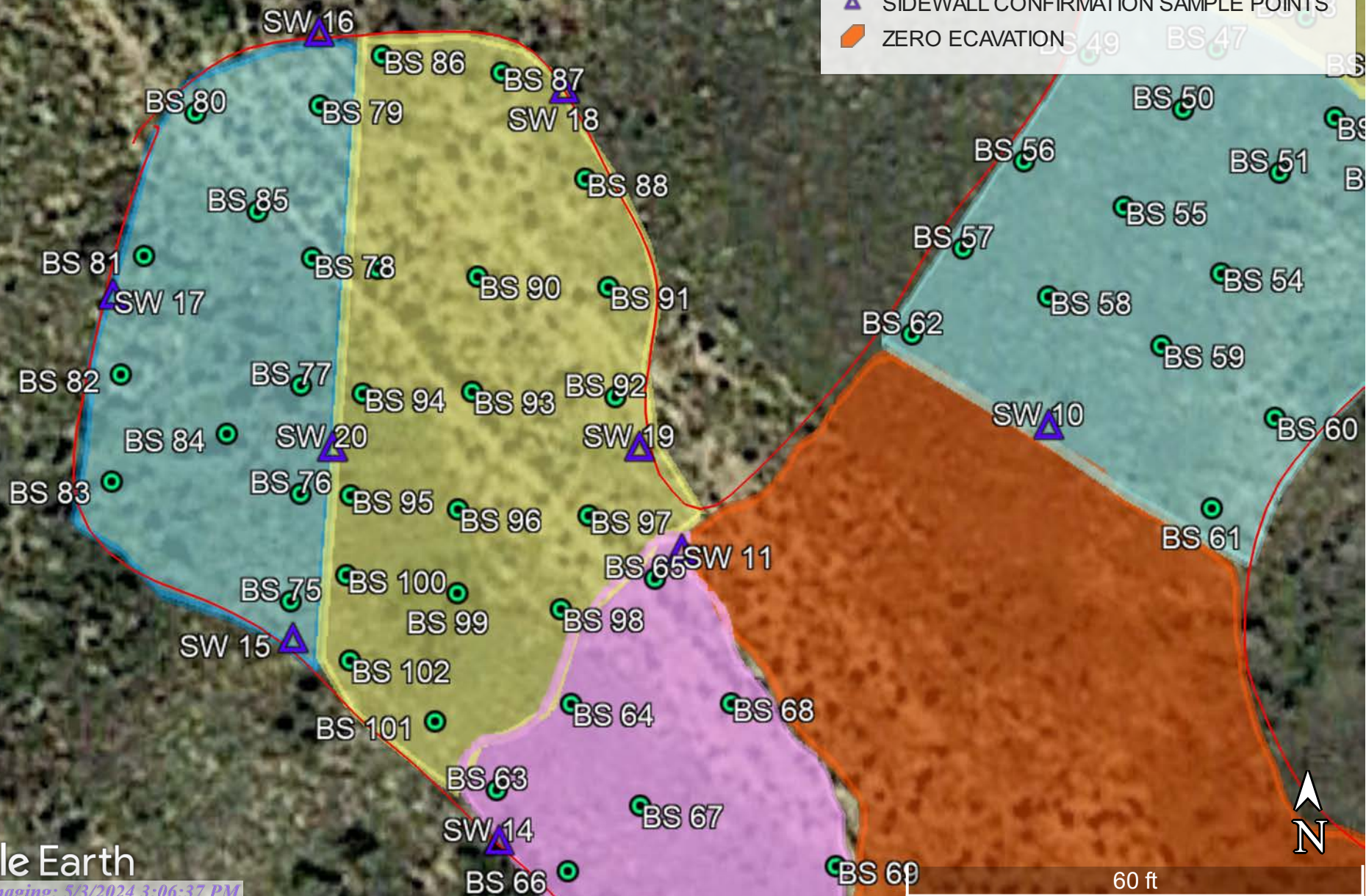


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- Leak Area
- SIDEWALL CONFIRMATION SAMPLE POINTS
- ZERO EXCAVATION



Google Earth

60 ft



OXY-BRAVO DOME D LEG 10 (7/17/20) SAMPLE DATES 10/9/23-10/13/23

## BOTTOM SAMPLE POINTS

BS 1@1'	N 35.952010	W-103.628686
BS 2@1'	N 35.951978	W-103.628634
BS 3@1'	N 35.951945	W-103.628578
BS 4@1'	N 35.351921	W-103.628531
BS 5@1'	N 35.951896	W-103.628492
BS 6@1'	N 35.951887	W-103.628589
BS 7@1'	N 35.951910	W-103.628645
BS 8@1'	N 35.951933	W-103.628695
BS 9@1'	N 35.951967	W-103.628744
BS 10@1'	N 35.951964	W-103.628681
BS 11@1'	N 35.951917	W-103.628590
BS 12@1'	N 35.952441	W-103.628540
BS 13@1'	N 35.952491	W-103.628509
BS 14@1'	N 35.922526	W-103.628473
BS 15@1'	N 35.952511	W-103.628430
BS 16@1'	N 35.952471	W-103.628456
BS 17@1'	N 35.952419	W-103.628506
BS 18@1'	N 35.952399	W-103.628473
BS 19@1'	N 35.952443	W-103.628419
BS 20@1'	N 35.952486	W-103.628376
BS 21@1'	N 35.952469	W-103.628338
BS 22@1'	N 35.952428	W-103.628391
BS 23@1'	N 35.952379	W-103.628451
BS 24@1'	N 35.952368	W-103.628400
BS 25@1'	N 35.952412	W-103.628362
BS 26@1'	N 35.952451	W-103.628317
BS 27@2'	N 35.952477	W-103.628300
BS 28@2'	N 35.952497	W-103.628348
BS 29@2'	N 35.952524	W-103.628405
BS 30@2'	N 35.952542	W-103.628447
BS 31@2'	N 35.952569	W-103.628418
BS 32@2'	N 35.952547	W-103.628373
BS 33@2'	N 35.952521	W-103.628327
BS 34@2'	N 35.952501	W-103.628282
BS 35@2'	N 35.952534	W-103.628251
BS 36@2'	N 35.952555	W-103.628294
BS 37@2'	N 35.952579	W-103.628335
BS 38@2'	N 35.952604	W-103.628374
BS 39@2'	N 35.952636	W-103.628320
BS 40@2'	N 35.952613	W-103.628278
BS 41@2'	N 35.952582	W-103.628210
BS 42@2'	N 35.952618	W-103.628186
BS 43@2'	N 35.952647	W-103.628197



BS 44@2'	N 35.952657	W-103.628254
BS 45@2'	N 35.952346	W-103.628420
BS 46@2'	N 35.952364	W-103.628470
BS 47@2'	N 35.952390	W-103.628522
BS 48@2'	N 35.952419	W-103.628566
BS 49@2'	N 35.952387	W-103.628580
BS 50@2'	N 35.952367	W-103.628538
BS 51@2'	N 35.952344	W-103.628495
BS 52@2'	N 35.952322	W-103.628432
BS 53@2'	N 35.952287	W-103.628453
BS 54@2'	N 35.952307	W-103.628522
BS 55@2'	N 35.952332	W-103.628565
BS 56@2'	N 35.952348	W-103.628610
BS 57@2'	N 35.952316	W-103.628638
BS 58@2'	N 35.952299	W-103.628600
BS 59@2'	N 35.952281	W-103.628549
BS 60@2'	N 35.952255	W-103.628499
BS 61@2'	N 35.952222	W-103.628528
BS 62@2'	N 35.952285	W-103.628661
BS 63@3'	N 35.952123	W-103.628846
BS 64@3'	N 35.952153	W-103.628813
BS 65@3'	N 35.952198	W-103.628776
BS 66@3'	N 35.952095	W-103.628815
BS 67@3'	N 35.952117	W-103.628783
BS 68@3'	N 35.952153	W-103.628743
BS 69@3'	N 35.952095	W-103.628697
BS 70@3'	N 35.952080	W-103.628742
BS 71@3'	N 35.952062	W-103.628787
BS 72@3'	N 35.952045	W-103.628738
BS 73@3'	N 35.951991	W-103.628749
BS 74@3'	N 35.952022	W-103.628707
BS 75@2'	N 35.952190	W-103.628937
BS 76@2'	N 35.952228	W-103.628933
BS 77@2'	N 35.952267	W-103.628934
BS 78@2'	N 35.952313	W-103.628929
BS 79@2'	N 35.952368	W-103.628926
BS 80@2'	N 35.952365	W-103.628981
BS 81@2'	N 35.952313	W-103.629003
BS 82@2'	N 35.952271	W-103.629012
BS 83@2'	N 35.952233	W-103.629015
BS 84@2'	N 35.952250	W-103.628966
BS 85@2'	N 35.952330	W-103.628953
BS 86@1'	N 35.952386	W-103.628899
BS 87@1'	N 35.952380	W-103.628845
BS 88@1'	N 35.952342	W-103.628807
BS 89@1'	N 35.952309	W-105.952309
BS 90@1'	N 35.952306	W-103.628855



BS 91@1'	N 35.952302	W-103.628797
BS 92@1'	N 35.952263	W-103.628794
BS 93@1'	N 35.952265	W-103.628858
BS 94@1'	N 35.952264	W-103.628906
BS 95@1'	N 35.952227	W-103.628911
BS 96@1'	N 35.952222	W-103.628864
BS 97@1'	N 35.952220	W-103.628806
BS 98@1'	N 35.952187	W-103.628818
BS 99@1'	N 35.952193	W-103.628864
BS 100@1'	N 35.952199	W-103.628913
BS 101@1'	N 35.952148	W-103.628873
BS 102@1'	N 35.952159	W-103.628911

## SIDEWALL SAMPLE POINTS

SW 1	N 35.951995	W-103.628725
SW 2	N 35.951879	W-103.628531
SW 3	N 35.952473	W-103.628538
SW 4	N 35.952586	W-103.628423
SW 5	N 35.952549	W-103.628224
SW 6	N 35.952671	W-103.628188
SW 7	N 35.952434	W-103.628573
SW 8	N 35.952335	W-103.628406
SW 9	N 35.952251	W-103.628608
SW 10	N 35.952252	W-103.628601
SW 11	N 35.952208	W-103.628765
SW 12	N 35.952033	W-103.628696
SW 13	N 35.925006	W-103.628769
SW 14	N 35.952105	W-103.628845
SW 15	N 35.952177	W-103.628936
SW 16	N 35.952395	W-103.628927
SW 17	N 35.952299	W-103.629016
SW 18	N 35.952374	W-103.628817
SW 19	N 35.952244	W-103.628784
SW 20	N 35.952244	W-103.628920



[illegible][illegible][illegible]



[illegible][illegible][illegible]



	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	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/12/23	10/13/23	10/13/23	10/13/23	10/13/23	10/13/23	10/13/23	10/13/23
		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		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	16.0
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
Analyte	Date	10/13/23	10/13/23
		mg/kg	mg/kg
Benzene		<0.050	<0.050
Toluene		<0.050	<0.050
Ethylbenzene		<0.050	<0.050
Total Xylenes		<0.150	<0.150
Total BTEX		<0.300	<0.300
Chloride		32.0	<16.0
GRO		<10.0	<10.0
DRO		<10.0	<10.0
EXT DRO		<10.0	<10.0





U.S. Fish and Wildlife Service  
National Wetlands Inventory

Wetlands Map-Bravo Dome D Leg 10



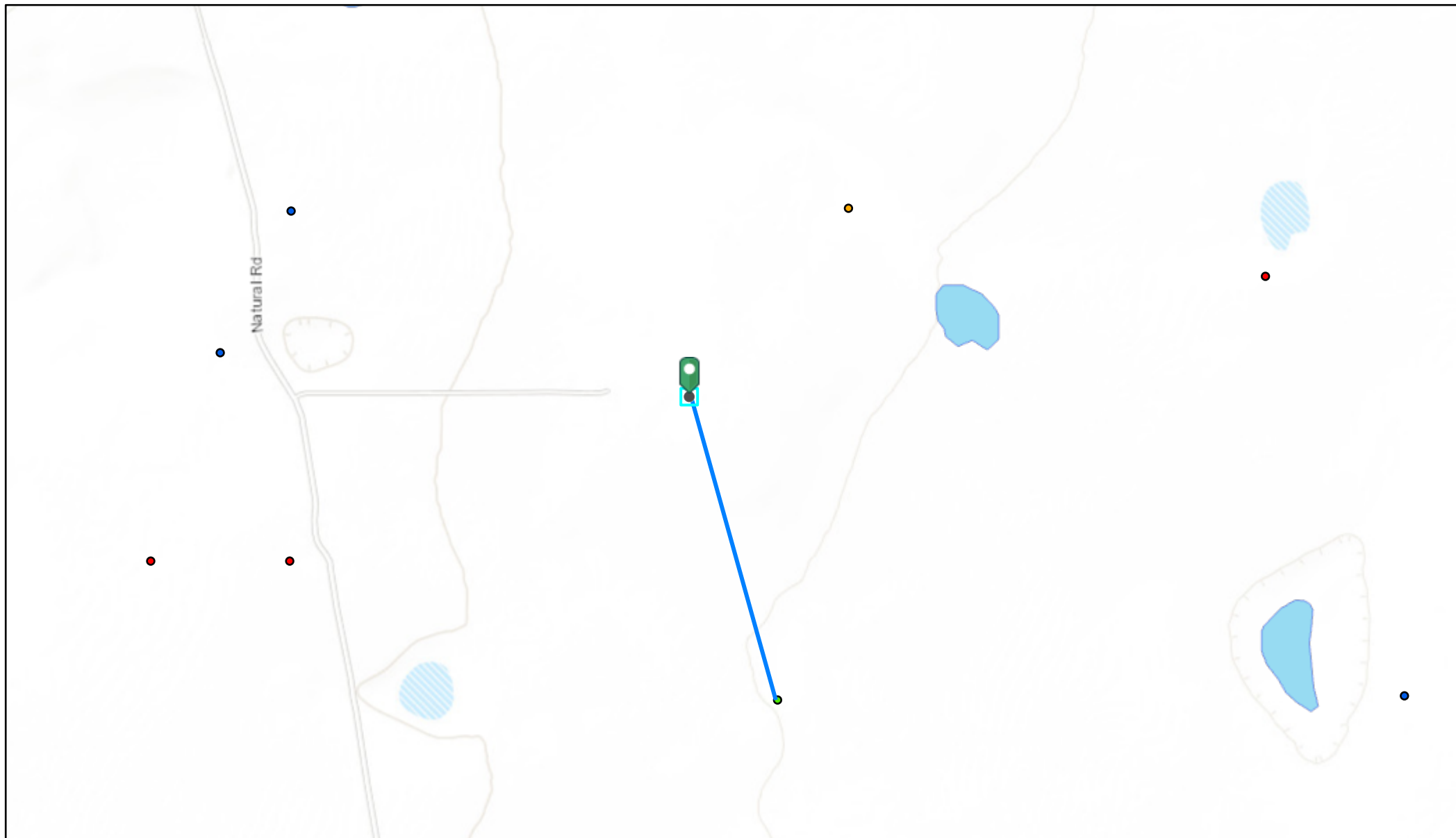
April 18, 2024

**Wetlands**

- |  |   |  |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|  |  Freshwater Pond                   |  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, BRAVO D LEG 10 (7/17/20) 0.57 MILES TO WATER POD



4/9/2024, 4:42:43 PM

OSE Water PODs

• Active



Pending



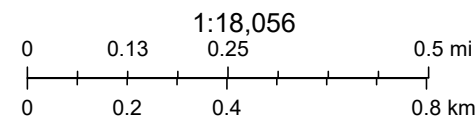
Plugged



Capped

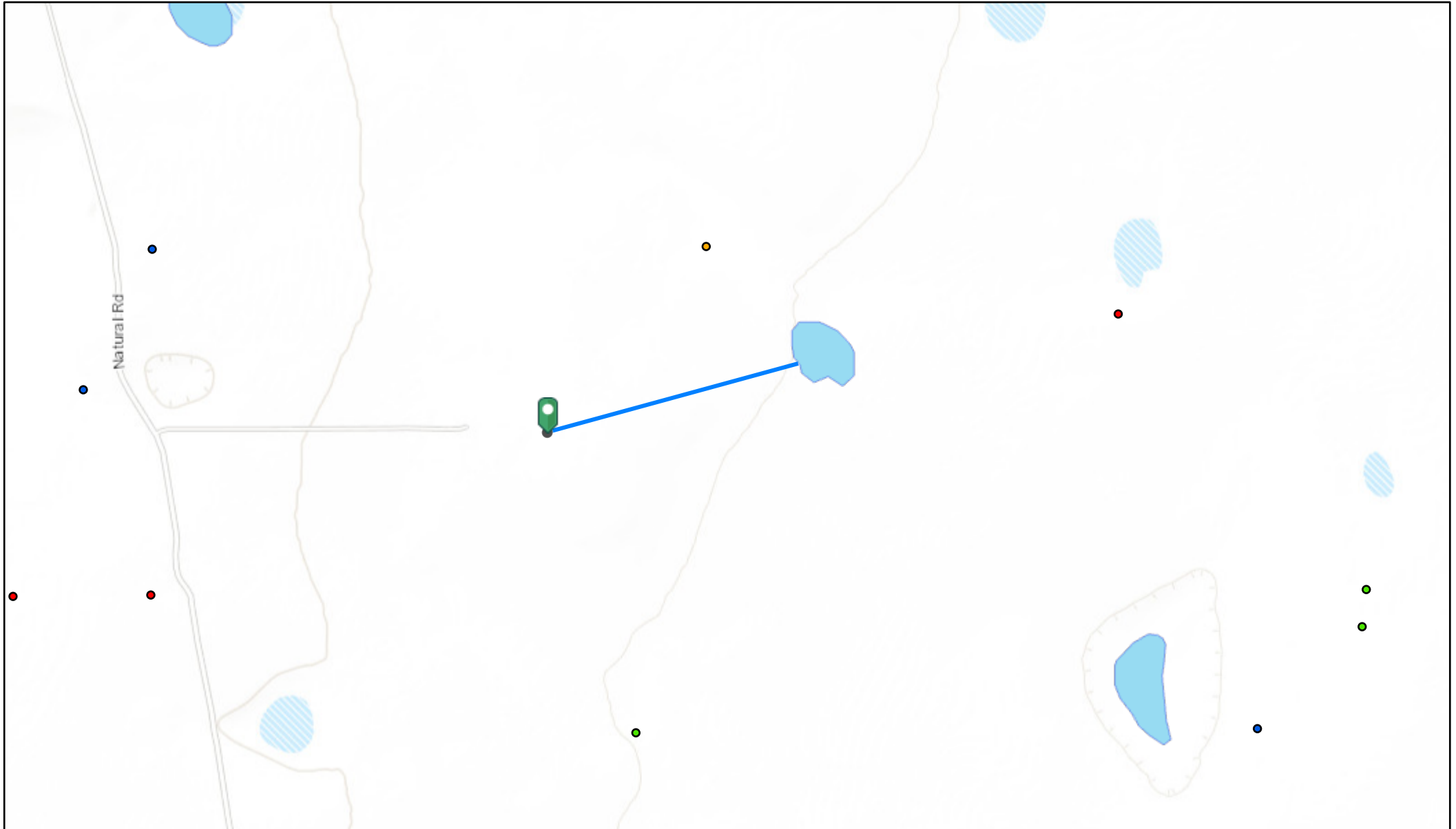


OSW Water Bodys



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





4/9/2024, 4:38:52 PM

OSE Water PODs

• Active



Pending



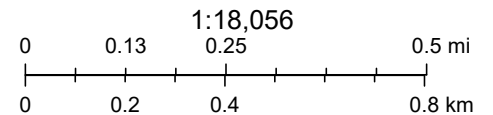
Plugged



Capped

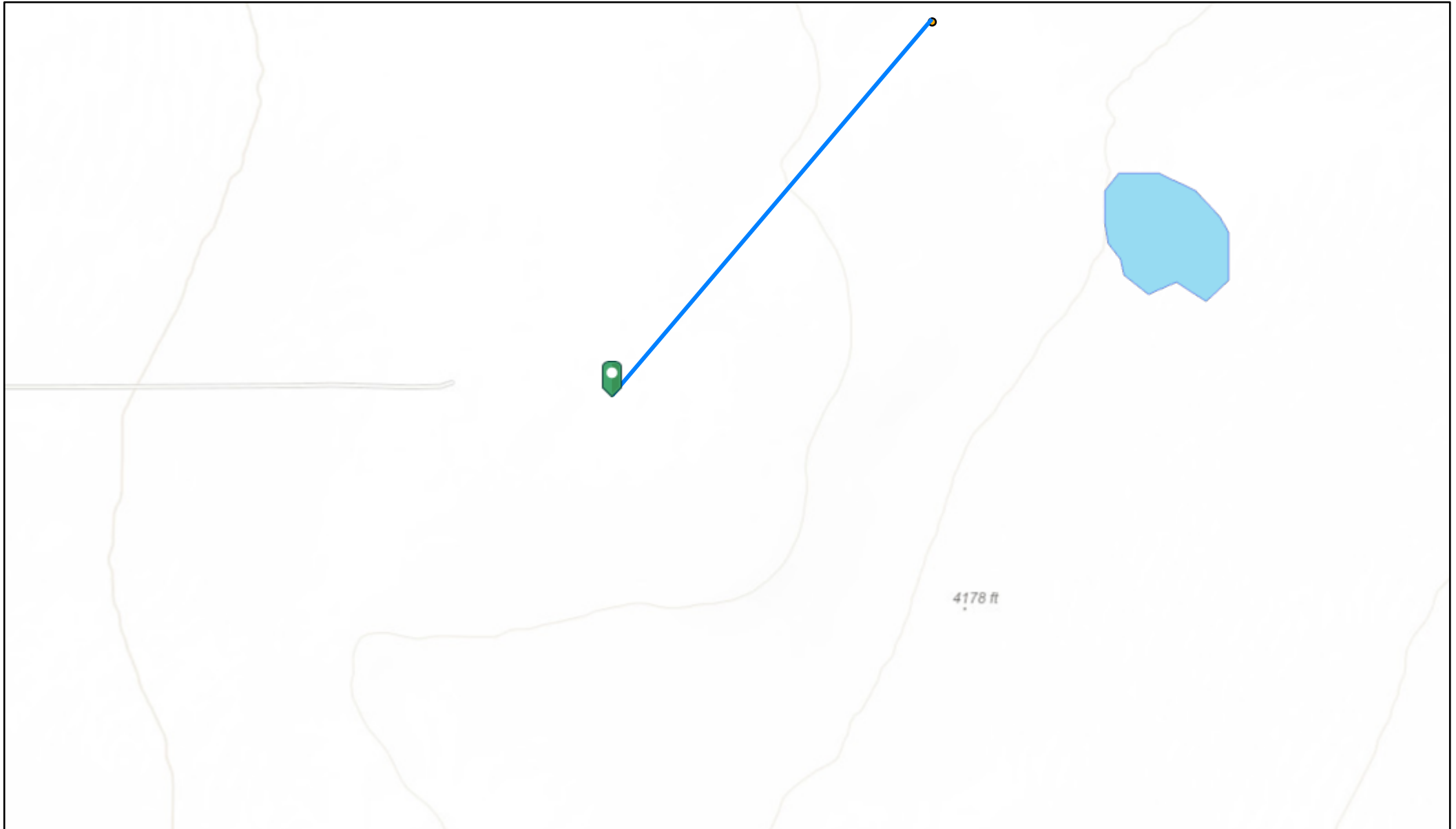


OSW Water Bodys



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

# OXY, BRAVO D LEG 10 (7/17/20) 0.45 MILES TO WATER POD



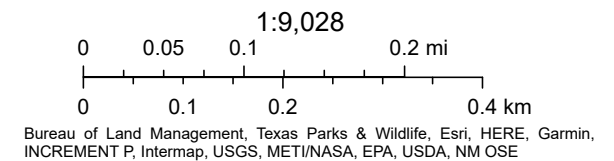
4/9/2024, 4:33:58 PM

OSE Water PODs

● Capped

OSW Water Bodys

Released to Imaging: 5/3/2024 3:06:37 PM





4-22-04;10:52AM;NM. STATE ENG.

;505 623 8559

# 2/ 3

File Number: \_\_\_\_\_

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

2-17713  
500**1. APPLICANT**

Name: DAN FIELD Work Phone: \_\_\_\_\_  
 Contact: DAN FIELD Home Phone: \_\_\_\_\_  
 Address: PO BOX 1105  
 City: LOUINGTON, NM State: NM Zip: 88260

**2. LOCATION OF WELL (A, B, C, or D required, E or F if known)**

A. SE 1/4 SE 1/4 SE 1/4 Section: 2 Township: 16S Range: 33E N.M.P.M.  
in Lea County County.

B. X = \_\_\_\_\_ feet, Y = \_\_\_\_\_ feet, N.M. Coordinate System  
 \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.  
 U.S.G.S. Quad Map \_\_\_\_\_

C. Latitude: \_\_\_\_\_ d \_\_\_\_\_ m \_\_\_\_\_ s Longitude: \_\_\_\_\_ d \_\_\_\_\_ m \_\_\_\_\_ s

D. East \_\_\_\_\_ (m), North \_\_\_\_\_ (m), UTM Zone 13, NAD \_\_\_\_\_ (27 or 83)

E. Tract No. \_\_\_\_\_, Map No. \_\_\_\_\_ of the \_\_\_\_\_ Hydrographic Survey

F. Lot No. \_\_\_\_\_, Block No. \_\_\_\_\_ of Unit/Tract \_\_\_\_\_ of the  
 \_\_\_\_\_ Subdivision recorded in \_\_\_\_\_ County.

G. Is this well within a municipality? \_\_\_\_\_ if yes, where? \_\_\_\_\_

H. Give State Engineer File Number if existing well: \_\_\_\_\_

I. On land owned by (required): State

**3. USE OF WATER (check use applied for)**

\_\_\_\_\_ One household, non-commercial trees, lawn and garden not to exceed a total of one acre.

☒ Livestock watering.

Note: If any of the following items are marked, give the name and nature of business or use under item 5 of the additional statements or explanations section.

\_\_\_\_\_ More than one household, non-commercial trees, lawns and gardens not to exceed a total of one acre.

\_\_\_\_\_ Drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns not to exceed one acre in conjunction with a commercial operation.

\_\_\_\_\_ Prospecting, mining or drilling operations to discover or develop natural resources.

\_\_\_\_\_ Construction of public works, highways and roads.

Trn Desc: \_\_\_\_\_  
 Log Due Date: \_\_\_\_\_  
 Form: wr-01

File Number: 6-11630  
 Trn Number: 302740

page 1 of 4

492625  
430.05

1505 623 8559

# 3/3

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

Name of well driller and driller license number:

N.M. License # 44111  
Approximate depth 210 feet; Outside diameter of casing 5 1/2 inches.

Change Location of existing well or replacement well

\_\_\_\_ Repair or Deepen:

Clean out well to original depth

Deepen well from \_\_\_\_\_ to \_\_\_\_\_ feet

**Other**

         Drill and test a well for \_\_\_\_\_ use.

Supplemental well

**5. ADDITIONAL STATEMENTS OR EXPLANATIONS:**

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

## ACKNOWLEDGEMENT FOR NATURAL PERSONS

(I, We) Don Field affirm that the  
(Please Print)

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

San Jule                      \_\_\_\_\_  
Applicant Signature                  Applicant Signature

Trn Desc: \_\_\_\_\_  
Log Due Date: \_\_\_\_\_  
Form: wr-01

File Number: L-11,630  
Trn Number: 302740

page 2 of 4



**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**GENERAL CONDITIONS OF APPROVAL (A thru I)**

- A The maximum amount of water that may be appropriated under this permit is 3.000 acre-feet in any year.
- 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. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- D The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E If the well under this permit is used at any time to serve more than one household or livestock in a commercial feed lot operation, or for drinking and sanitation purposes in conjunction with a commercial operation, the permittee shall notify the State Engineer Office in writing.
- F In the event this well is combined with other wells permitted under Section 72-12-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3.000 acre-feet in any year.
- G If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.
- H The amount and uses of water permitted under this Application are subject to such limitations as may be imposed by the courts or by lawful municipal and county ordinances which are more restrictive than applicable State Engineer Regulations and the conditions of this permit.

Trn Desc: L 11630  
Log Due Date: 04/30/2005  
Form: wr-01

File Number: L 11630  
Trn Number: 302740

page: 1

**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**GENERAL CONDITIONS OF APPROVAL (Continued)**

- I The permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

**SPECIFIC CONDITIONS OF APPROVAL**

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 11 This permit is for a single household. The total diversion of water under this permit shall not exceed 3.000 acre-feet per year. Permit will be subject to cancellation if the conditions of approval are not met or if the actions of the permittee are not in accordance with the permit.
- 4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- LOG This permit will automatically expire unless the well L 11630 is completed and the well record filed on or before 04/30/2005.

**ACTION OF STATE ENGINEER**

This application is approved for the use indicated, subject to all general conditions and to specific conditions listed above.

Witness my hand and seal this 28 day of Apr A.D., 2004

John R. D Antonio, Jr., P.E., State Engineer

By: 

Johnny Hernandez

The amount, uses and locations of domestic water wells permitted under 72-12-1 (NMSA) are subject to such limitations as may be imposed by the courts or by lawful municipal and county ordinances which are more restrictive than applicable State Engineer Regulations and the conditions of this permit.

Trn Desc: L 11630

Log Due Date: 04/30/2005

File Number: L 11630

Trn Number: 302740



John R. D Antonio, Jr., P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

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

Trn Nbr: 302740  
File Nbr: L 11630  
Well File Nbr: L 11630

Apr. 30, 2005

DAN FIELD  
P.O. BOX 1105  
LOVINGTON, NM 88260

Greetings:

This office has not received a well driller's record for the permit issued to you on 04/28/2004. A domestic well permit expires a year after issuance if the well has not been drilled and the well driller's log is not filed.

If you have not drilled the well but plan to in the near future, please contact our office and we will forward forms to reapply. Filing fee is \$5.00 for each permit. Please include your file number on all communications.

Your permit automatically expired on 04/30/2005.

Sincerely,

A handwritten signature in cursive script, appearing to read "Yolanda Mendiola".

Yolanda Mendiola  
(505) 622-6521

cc: Santa Fe Office

wellexp

John R. D Antonio, Jr., P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

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

Trn Nbr: 302740  
File Nbr: L 11630  
Well File Nbr: L 11630

Apr. 04, 2005

DAN FIELD  
P.O. BOX 1105  
LOVINGTON, NM 88260

Greetings:

This office has not received a well driller's record for the permit issued to you on 04/28/2004. A domestic well permit expires a year after issuance if the well has not been drilled and the well driller's log is not filed.

If a well has been drilled under this permit, please contact your driller and request a well log be submitted. If you have not drilled the well but plan to in the near future, please contact our office and we will forward forms to reapply. Filing fee is \$5.00 for each permit. Please include your file number on all communications.

Your permit will automatically expire on 04/30/2005.

Sincerely,

A handwritten signature in cursive script, appearing to read "Yolanda Mendiola".

Yolanda Mendiola  
(505) 622-6467

cc: Santa Fe Office

wellrem



John R. D Antonio, Jr., P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

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

Trn Nbr: 302740  
File Nbr: L 11630

Apr. 28, 2004

DAN FIELD  
P.O. BOX 1105  
LOVINGTON, NM 88260

Greetings:

Enclosed is your copy of the 72-12-1 Permit which has been approved. Your attention is called to the Specific and the General Conditions of Approval of this permit.

In accordance with General Condition C, a well record shall be filed in this office within ten (10) days after completion of drilling. The well record is proof of completion of the well. IT IS YOUR RESPONSIBILITY TO ASSURE THAT THE WELL LOG BE FILED WITHIN 10 DAYS OF DRILLING THE WELL.

This permit will expire on or before 04/30/2005, unless the well has been drilled and the well log filed in this office.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Johnny Hernandez'.

Johnny Hernandez  
(505) 622-6467

Enclosure

cc: Santa Fe Office

wr\_01app



OXY -BRAVO DOME D LEG (7/17/20)







OXY -BRAVO DOME D LEG (7/17/20)





OXY -BRAVO DOME D LEG (7/17/20)







OXY -BRAVO DOME D LEG (7/17/20)





OXY -BRAVO DOME D LEG (7/17/20)







OXY –BRAVO DOME D LEG (7/17/20)





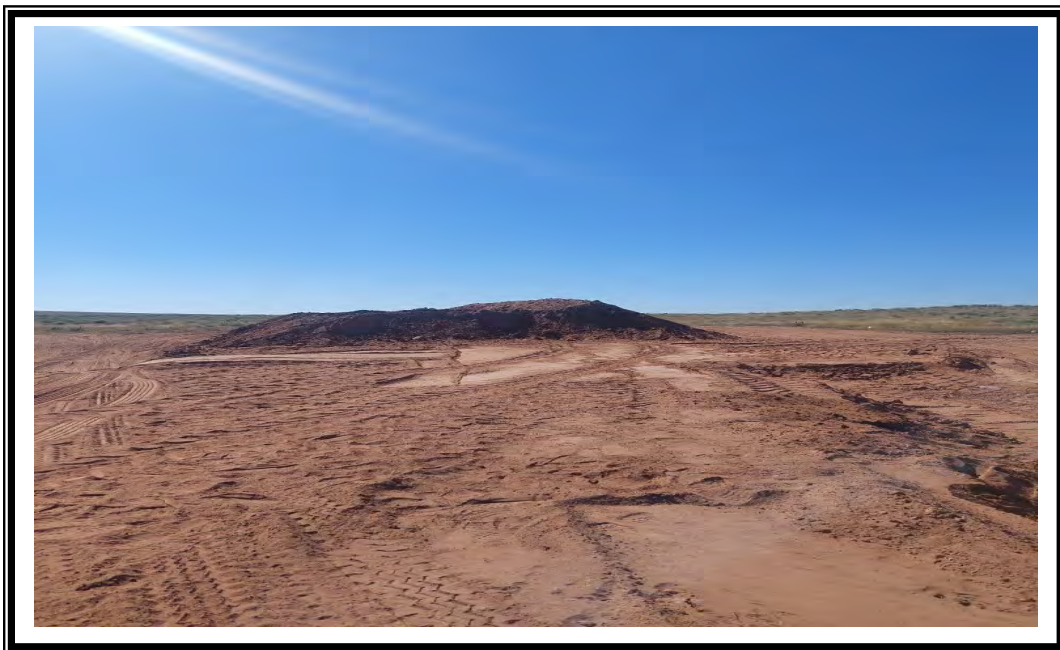


OXY -BRAVO DOME D LEG (7/17/20)





OXY -BRAVO DOME D LEG (7/17/20)







OXY –BRAVO DOME D LEG (7/17/20)







OXY –BRAVO DOME D LEG (7/17/20)





OXY –BRAVO DOME D LEG (7/17/20)







OXY –BRAVO DOME D LEG (7/17/20)





OXY –BRAVO DOME D LEG (7/17/20)



OXY –BRAVO DOME D LEG (7/17/20)





OXY –BRAVO DOME D LEG (7/17/20)

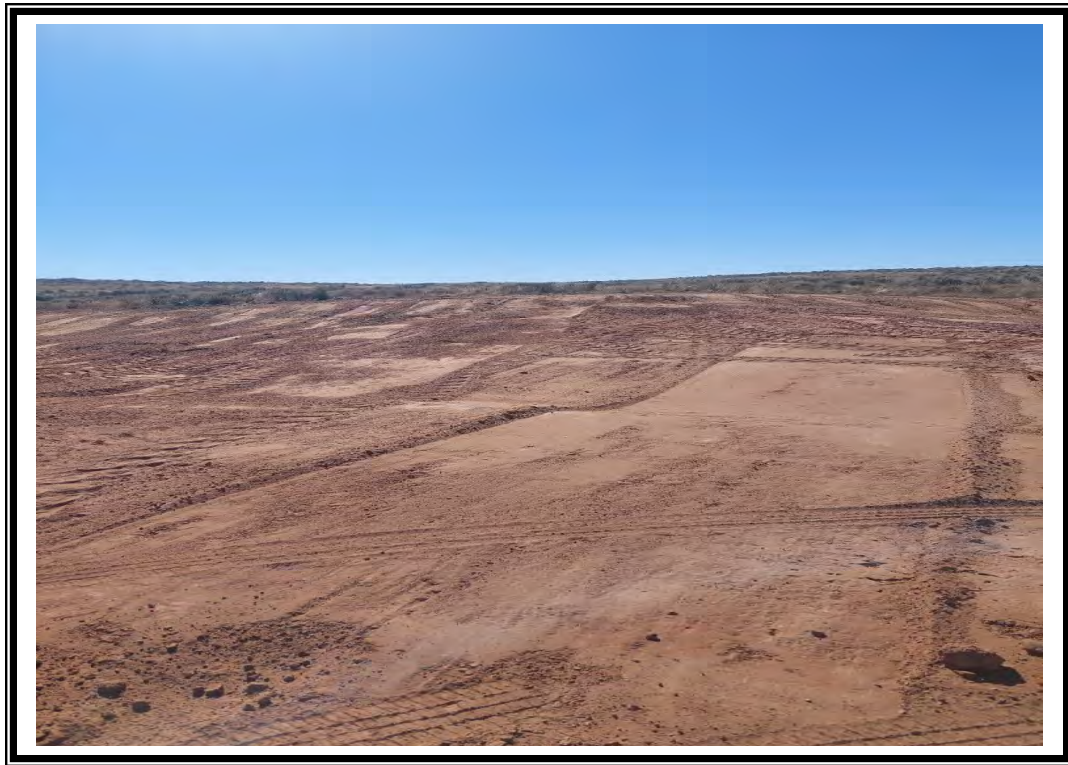




OXY –BRAVO DOME D LEG (7/17/20)



OXY –BRAVO DOME D LEG (7/17/20)





OXY –BRAVO DOME D LEG (7/17/20)



OXY –BRAVO DOME D LEG (7/17/20)







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

October 20, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRAVO DOME D LEG 10

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 91 @ 1' (H235637-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 92 @ 1' (H235637-02)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 93 @ 1' (H235637-03)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 94 @ 1' (H235637-04)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 95 @ 1' (H235637-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 96 @ 1' (H235637-06)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/18/2023	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	10/18/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 97 @ 1' (H235637-07)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/18/2023	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	10/18/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 98 @ 1' (H235637-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/18/2023	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	10/18/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 99 @ 1' (H235637-09)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 100 @ 1' (H235637-10)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 101 @ 1' (H235637-11)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 102 @ 1' (H235637-12)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 1 (H235637-13)**

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	10/18/2023	ND	2.12	106	2.00	8.27	
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95	
Total BTEX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 2 (H235637-14)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 3 (H235637-15)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 4 (H235637-16)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 5 (H235637-17)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 6 (H235637-18)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 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: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 7 (H235637-19)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 8 (H235637-20)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 9 (H235637-21)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 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: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 10 (H235637-22)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 11 (H235637-23)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 12 (H235637-24)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 13 (H235637-25)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 14 (H235637-26)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 15 (H235637-27)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/18/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 16 (H235637-28)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/18/2023	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	10/18/2023	ND	191	95.7	200	2.54	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	203	102	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 17 (H235637-29)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	216	108	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	233	117	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 18 (H235637-30)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	16.0	16.0	10/18/2023	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	10/17/2023	ND	216	108	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	233	117	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 19 (H235637-31)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	32.0	16.0	10/18/2023	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	10/17/2023	ND	216	108	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	233	117	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/17/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 20 (H235637-32)**

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	10/18/2023	ND	2.12	106	2.00	8.27		
Toluene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	6.97		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.29	114	2.00	6.88		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.78	113	6.00	4.95		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/18/2023	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	10/17/2023	ND	216	108	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	233	117	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A-01	Ending CCV failed high. All samples < MRL.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**  
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10 of 13

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>																									
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy																									
<b>City:</b> Hobbs				<b>Attn:</b>																									
<b>State:</b> NM <b>Zip:</b> 88241																													
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397				<b>Address:</b>																									
<b>Project #:</b>				<b>City:</b>																									
<b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20)				<b>State:</b> <b>Zip:</b>																									
<b>Project Location:</b> New Mexico				<b>Phone #:</b>																									
<b>Sample Name:</b> SIMON RENDON				<b>Fax #:</b>																									
<b>FOR LAB USE ONLY</b>																													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>		<b>DATE</b>		<b>TIME</b>		<b>Chloride</b>											
H235637		BOTTOM SAMPLE 91@1'		1		1		GROUNDWATER						10/12/23		11:55AM		✓											
1		BOTTOM SAMPLE 92@1'		2		1		WASTEWATER						10/12/23		12:10PM		✓											
2		BOTTOM SAMPLE 93@1'		3		1		SOIL						10/12/23		12:44PM		✓											
3		BOTTOM SAMPLE 94@1'		4		1		OIL						10/12/23		12:57PM		✓											
4		BOTTOM SAMPLE 95@1'		5		1		SLUDGE						10/12/23		1:12PM		✓											
5		BOTTOM SAMPLE 96@1'		6		1		OTHER :						10/12/23		1:23PM		✓											
6		BOTTOM SAMPLE 97@1'		7		1		ACID/BASE:						10/12/23		1:36PM		✓											
7		BOTTOM SAMPLE 98@1'		8		1		ICE / COOL						10/12/23		1:51PM		✓											
8		BOTTOM SAMPLE 99@1'		9		1		OTHER :						10/12/23		2:12PM		✓											
9		BOTTOM SAMPLE 100@1'		10		1								10/12/23		2:28PM		✓											
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<b>Relinquished By:</b>				<b>Date:</b> 10/16/23				<b>Received By:</b> Street Hawk				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>													
<b>Relinquished By:</b> Street Hawk				<b>Date:</b> 10/16/23				<b>Received By:</b> Street Hawk				<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Fax #:</b>													
<b>Delivered By:</b> (Circle One)				<b>Time:</b> 12:40				<b>Sample Condition:</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact				<b>CHECKED BY:</b> (Initials)																	
<b>Sampler - UPS - Bus - Other:</b>				<b>-29: #140</b>				<b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/>				<b>REMARKS:</b>																	

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





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

11 OF 13

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>																							
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy																							
<b>City:</b> Hobbs				<b>Attn:</b>																							
<b>State:</b> NM <b>Zip:</b> 88241																											
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397				<b>Address:</b>																							
<b>Project #:</b>				<b>City:</b>																							
<b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20)				<b>State:</b> <b>Zip:</b>																							
<b>Project Location:</b> New Mexico				<b>Phone #:</b>																							
<b>Sample Name:</b> SIMON RENDON				<b>Fax #:</b>																							
<small>FOR LAB USE ONLY</small>																											
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>															
								GROUNDWATER						DATE		TIME											
H235637		BOTTOM SAMPLE 101@1'		Q1				WASTEWATER						10/12/23		2:41PM		Chloride									
11		BOTTOM SAMPLE 102@1'						SOIL						10/12/23		2:55PM		BTEx									
12		SIDEWALL 1						OIL						10/12/23		3:15PM		TPH EXT									
13		SIDEWALL 2						SLUDGE						10/12/23		3:31PM											
14		SIDEWALL 3						OTHER :						10/12/23		3:42PM											
15		SIDEWALL 4						ACID/BASE:						10/12/23		3:55PM											
16		SIDEWALL 5						ICE / COOL						10/12/23		4:06PM											
17		SIDEWALL 6						OTHER :						10/12/23		4:16PM											
18		SIDEWALL 7												10/12/23		4:28PM											
19		SIDEWALL 8												10/12/23		4:40PM											
20																											
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<b>Relinquished By:</b>				<b>Date:</b> 10/16/23				<b>Received By:</b>				<b>Date:</b> 10/16/23				<b>Time:</b> 8:00 AM				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>			
<b>Relinquished By:</b>				<b>Date:</b> 10/16/23				<b>Received By:</b>				<b>Date:</b> 10/16/23				<b>Time:</b> 1:40 PM				<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Fax #:</b>			
<b>Delivered By:</b> (Circle One)				<b>Sample Condition</b>				<b>CHECKED BY:</b> (Initials)																			
<b>Sampler - UPS - Bus - Other:</b>				<b>Cool</b> <input checked="" type="checkbox"/> <b>Intact</b> <input checked="" type="checkbox"/>																							

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

12  
DOF 13

Company Name: BBC International, Inc.										<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company: Oxy																			
City: Hobbs										Attn:																			
Phone #: 575-397-6388										Address:																			
Fax #: 575-397-0397										City:																			
Project #:										State:																			
Project Name: BRAVO DOME D LEG 10 (7/17/20)										Zip:																			
Project Location: New Mexico										Phone #:																			
Fax #:																													
Sampler Name: SIMON RENDON																													
FOR LAB USE ONLY																													
Lab I.D.										Sample I.D.																			
H235637										(G)RAB OR (C)OMP.																			
21										# CONTAINERS																			
22										GROUNDWATER																			
23										WASTEWATER																			
24										SOIL																			
25										OIL																			
26										SLUDGE																			
27										OTHER :																			
28										ACID/BASE:																			
29										ICE / COOL																			
30										OTHER :																			
SIDEWALL 9										DATE										TIME									
SIDEWALL 10										10/12/23										4:50PM									
SIDEWALL 11										10/12/23										5:02PM									
SIDEWALL 12										10/12/23										5:10PM									
SIDEWALL 13										10/13/23										8:45AM									
SIDEWALL 14										10/13/23										9:02AM									
SIDEWALL 15										10/13/23										9:16AM									
SIDEWALL 16										10/13/23										9:31AM									
SIDEWALL 17										10/13/23										9:45AM									
SIDEWALL 18										10/13/23										10:04AM									
										10/13/23										10:15AM									
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Relinquished By: [Signature]										Date: 10/16/23										Time: 8:00AM									
Relinquished By: [Signature]										Received By: [Signature]																			
Delivered By: (Circle One)										Sample Condition										CHECKED BY: [Signature]									
Cool										Intact																			
Yes										Yes																			
No										No																			
Sampler - UPS - Bus - Other:										REMARKS:																			
-29, #140																													





## ORDINAL LABORATORIES

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 13-01F-13

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20) <b>Project Location:</b> New Mexico <b>Sampler Name:</b> SIMON RENDON				<b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>			
<b>FOR LAB USE ONLY</b>				<b>Lab I.D.</b>			
<b>Sample I.D.</b>				<b>DATE</b>			
(G)RAB OR (C)OMP.				DATE			
# CONTAINERS				TIME			
GROUNDWATER				10/13/23 10:30AM			
WASTEWATER				10/13/23 10:44AM			
SOIL							
OIL							
SLUDGE							
OTHER :							
ACID/BASE:							
ICE / COOL							
OTHER :							
MATRIX				PRESERV.			
SAMPLING							
Chloride							
BTEX							
TPH/EXT							



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

---

October 20, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRAVO DOME D LEG 10

Enclosed are the results of analyses for samples received by the laboratory on 10/16/23 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 1 @ 1' (H235636-01)**

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	10/19/2023	ND	2.10	105	2.00	4.44	
Toluene*	<0.050	0.050	10/19/2023	ND	2.09	105	2.00	6.90	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	7.17	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.65	111	6.00	7.86	
Total BTEX	<0.300	0.300	10/19/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 2 @ 1' (H235636-02)**

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	10/19/2023	ND	2.10	105	2.00	4.44		
Toluene*	<0.050	0.050	10/19/2023	ND	2.09	105	2.00	6.90		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	7.17		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.65	111	6.00	7.86		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 3 @ 1' (H235636-03)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22	QM-07	
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 4 @ 1' (H235636-04)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 5 @ 1' (H235636-05)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 6 @ 1' (H235636-06)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 7 @ 1' (H235636-07)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 8 @ 1' (H235636-08)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 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  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 9 @ 1' (H235636-09)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 10 @ 1' (H235636-10)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 11 @ 1' (H235636-11)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 12 @ 1' (H235636-12)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 13 @ 1' (H235636-13)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 71.4 % 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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 14 @ 1' (H235636-14)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 15 @ 1' (H235636-15)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 65.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 16 @ 1' (H235636-16)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 17 @ 1' (H235636-17)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 18 @ 1' (H235636-18)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	173	86.5	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	165	82.5	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 19 @ 1' (H235636-19)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 20 @ 1' (H235636-20)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 21 @ 1' (H235636-21)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 22 @ 1' (H235636-22)**

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	10/18/2023	ND	1.89	94.7	2.00	2.75		
Toluene*	<0.050	0.050	10/18/2023	ND	1.80	90.2	2.00	2.53		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	1.84	91.8	2.00	2.34		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	5.42	90.4	6.00	2.22		
Total BTEX	<0.300	0.300	10/18/2023	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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 23 @ 1' (H235636-23)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 24 @ 1' (H235636-24)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72	
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37	
Total BTEX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 25 @ 1' (H235636-25)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 26 @ 1' (H235636-26)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 27 @ 2' (H235636-27)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 28 @ 2' (H235636-28)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 29 @ 2' (H235636-29)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 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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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 30 @ 2' (H235636-30)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 31 @ 2' (H235636-31)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 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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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 32 @ 2' (H235636-32)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 33 @ 2' (H235636-33)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 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  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 34 @ 2' (H235636-34)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 35 @ 2' (H235636-35)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 36 @ 2' (H235636-36)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 37 @ 2' (H235636-37)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 38 @ 2' (H235636-38)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	10/18/2023	ND	2.11	105	2.00	2.47		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.07	104	2.00	3.98		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.19	103	6.00	3.37		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	186	93.2	200	5.77	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	178	89.1	200	8.65	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 39 @ 2' (H235636-39)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	102	2.00	3.85		
Toluene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	1.23		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.12	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.28	105	6.00	1.83		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 40 @ 2' (H235636-40)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	102	2.00	3.85		
Toluene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	1.23		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.12	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.28	105	6.00	1.83		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 41 @ 2' (H235636-41)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	102	2.00	3.85	
Toluene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	1.23	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.12	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.28	105	6.00	1.83	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 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  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 42 @ 2' (H235636-42)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	102	2.00	3.85		
Toluene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	1.23		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.12	106	2.00	1.41		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.28	105	6.00	1.83		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 43 @ 2' (H235636-43)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 44 @ 2' (H235636-44)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 68.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 45 @ 2' (H235636-45)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 46 @ 2' (H235636-46)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.1 % 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  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 47 @ 2' (H235636-47)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 48 @ 2' (H235636-48)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 49 @ 2' (H235636-49)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.7 % 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  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 50 @ 2' (H235636-50)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13	
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63	
Total BTX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 51 @ 2' (H235636-51)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13	
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63	
Total BTX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 52 @ 2' (H235636-52)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13	
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63	
Total BTX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 53 @ 2' (H235636-53)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 64.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 54 @ 2' (H235636-54)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13	
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63	
Total BTX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.1 % 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  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 55 @ 2' (H235636-55)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.7 % 49.1-148

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 56 @ 2' (H235636-56)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.9 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 57 @ 2' (H235636-57)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTEX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.1 % 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  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 58 @ 2' (H235636-58)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTEx	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	187	93.4	200	3.64	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	173	86.7	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 59 @ 2' (H235636-59)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 60 @ 2' (H235636-60)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 61 @ 2' (H235636-61)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13	
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63	
Total BTX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 62 @ 2' (H235636-62)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.13		
Toluene*	<0.050	0.050	10/18/2023	ND	2.19	110	2.00	3.33		
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.23	111	2.00	2.53		
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	4.63		
Total BTX	<0.300	0.300	10/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 63 @ 3' (H235636-63)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623	
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547	
Total BTX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 64 @ 3' (H235636-64)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 65 @ 3' (H235636-65)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 66 @ 3' (H235636-66)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623	
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547	
Total BTX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 67 @ 3' (H235636-67)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 68 @ 3' (H235636-68)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 69 @ 3' (H235636-69)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 70 @ 3' (H235636-70)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 71 @ 3' (H235636-71)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 72 @ 3' (H235636-72)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	<16.0	16.0	10/17/2023	ND	416	104	400	7.41		

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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 73 @ 3' (H235636-73)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 74 @ 3' (H235636-74)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623	
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/17/2023	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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 75 @ 2' (H235636-75)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 76 @ 2' (H235636-76)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 77 @ 2' (H235636-77)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 78 @ 2' (H235636-78)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623	
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2023	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	10/17/2023	ND	181	90.6	200	4.18	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	202	101	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 79 @ 2' (H235636-79)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623	
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 80 @ 2' (H235636-80)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 81 @ 2' (H235636-81)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623		
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547		
Total BTEx	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 82 @ 2' (H235636-82)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.05	103	2.00	0.623	
Toluene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.407	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.13	106	2.00	0.392	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.31	105	6.00	0.547	
Total BTEX	<0.300	0.300	10/19/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 83 @ 2' (H235636-83)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 84 @ 2' (H235636-84)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 85 @ 2' (H235636-85)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTEX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 86 @ 1' (H235636-86)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32	
Total BTEX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 87 @ 1' (H235636-87)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 88 @ 1' (H235636-88)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 89 @ 1' (H235636-89)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32	
Total BTX	<0.300	0.300	10/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/16/2023  
 Reported: 10/20/2023  
 Project Name: BRAVO DOME D LEG 10  
 Project Number: ( 7-17-20 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 90 @ 1' (H235636-90)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/19/2023	ND	2.15	107	2.00	5.02		
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	5.07		
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.20	110	2.00	5.36		
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.49	108	6.00	6.32		
Total BTX	<0.300	0.300	10/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	<16.0	16.0	10/17/2023	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	10/17/2023	ND	196	98.2	200	5.26	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	183	91.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

*COB*  
10/13

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>																									
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy																									
<b>City:</b> Hobbs				<b>Attn:</b>																									
<b>State:</b> NM <b>Zip:</b> 88241																													
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397				<b>Address:</b>																									
<b>Project #:</b>				<b>City:</b>																									
<b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20)				<b>State:</b> <b>Zip:</b>																									
<b>Project Location:</b> New Mexico				<b>Phone #:</b>																									
<b>Sampler Name:</b> SIMON RENDON				<b>Fax #:</b>																									
<small>FOR LAB USE ONLY</small>																													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>		<b>DATE</b>		<b>TIME</b>													
H235636		BOTTOM SAMPLE 1@1'												10/9/23		1:15PM		Chloride											
1-23456789		BOTTOM SAMPLE 2@1'												10/9/23		2:06PM		BTEX											
		BOTTOM SAMPLE 3@1'												10/9/23		2:18PM													
		BOTTOM SAMPLE 4@1'												10/9/23		2:33PM													
		BOTTOM SAMPLE 5@1'												10/9/23		2:47PM													
		BOTTOM SAMPLE 6@1'												10/9/23		3:02PM													
		BOTTOM SAMPLE 7@1'												10/9/23		3:16PM													
		BOTTOM SAMPLE 8@1'												10/9/23		3:29PM													
		BOTTOM SAMPLE 9@1'												10/9/23		3:42PM													
		BOTTOM SAMPLE 10@1'												10/9/23		3:56PM													
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business 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, regardless of whether such claim is based on any of the above stated reasons or otherwise.</small>																													
<b>Relinquished By:</b>				<b>Date:</b> 10-16-23				<b>Received By:</b> <i>Simon Rendon</i>				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>													
<b>Relinquished By:</b> <i>Simon Rendon</i>				<b>Date:</b> 10-16-23				<b>Received By:</b> <i>Simon Rendon</i>				<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Fax #:</b>													
<b>Delivered By:</b> (Circle One) <i>Street Home</i>				<b>Date:</b> 10-16-23				<b>Received By:</b> <i>Street Home</i>				<b>Sample Condition:</b> <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>CHECKED BY:</b> <i>Street Home</i> (Initials)													
<b>Sampler - UPS - Bus - Other:</b> <i>-291</i>				<b>#140</b>				<b>Sample Condition:</b> <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>CHECKED BY:</b> <i>Street Home</i> (Initials)																	

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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

20F13

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>																									
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy																									
<b>City:</b> Hobbs				<b>Attn:</b>																									
<b>State:</b> NM <b>Zip:</b> 88241				<b>Address:</b>																									
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397				<b>City:</b>																									
<b>Project #:</b>				<b>State:</b>				<b>Zip:</b>																					
<b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20)				<b>Phone #:</b>																									
<b>Project Location:</b> New Mexico				<b>Fax #:</b>																									
<b>Sampler Name:</b> SIMON RENDON																													
<small>FOR LAB USE ONLY</small>																													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>		<b>DATE</b>		<b>TIME</b>													
H235634		BOTTOM SAMPLE 11@1'		6		1		GROUNDWATER						10/9/23		4:10PM		Chloride											
11		BOTTOM SAMPLE 12@1'		1		1		WASTEWATER						10/10/23		9:10AM		BTX											
12		BOTTOM SAMPLE 13@1'						SOIL						10/10/23		9:19AM		TPH EXT											
13		BOTTOM SAMPLE 14@1'						OIL						10/10/23		9:30AM													
14		BOTTOM SAMPLE 15@1'						SLUDGE						10/10/23		9:42AM													
15		BOTTOM SAMPLE 16@1'						OTHER :						10/10/23		9:55AM													
16		BOTTOM SAMPLE 17@1'						ACID/BASE:						10/10/23		10:12AM													
17		BOTTOM SAMPLE 18@1'						ICE / COOL						10/10/23		10:27AM													
18		BOTTOM SAMPLE 19@1'						OTHER :						10/10/23		10:42AM													
19		BOTTOM SAMPLE 20@1'												10/10/23		11:02AM													
20																													
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business 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 regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																													
<b>Relinquished By:</b>				<b>Date:</b> 10-16-23				<b>Received By:</b>				<b>Date:</b> 10-16-23				<b>Time:</b> 8:00 AM				<b>REMARKS:</b>									
[Signature]								[Signature]																					
<b>Relinquished By:</b>				<b>Date:</b> 10-16-23				<b>Received By:</b>				<b>Date:</b> 10-16-23				<b>Time:</b> 10:40													
[Signature]								[Signature]																					
<b>Delivered By: (Circle One)</b>				<b>Sample Condition</b>				<b>CHECKED BY:</b>				<b>Initials</b>																	
[Signature]				Cool <input type="checkbox"/> Intact <input type="checkbox"/>				[Signature]				[Signature]																	
<b>Sampler - UPS - Bus - Other:</b>				<b>-2-A-</b>				<b>#140</b>				<b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/>																	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 30F13

Company Name: BBC International, Inc.		<b>BILL TO</b>		ANALYSIS REQUEST																															
Project Manager: Cliff Brunson		P.O. #:																																	
Address: P.O. Box 805		Company: Oxy																																	
City: Hobbs		Attn:																																	
State: NM Zip: 88241		Address:																																	
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																																	
Project #: Project Owner: Oxy		State:																																	
Project Name: BRAVO DOME D LEG 10 (7/17/20)		Zip:																																	
Project Location: New Mexico		Phone #:																																	
Fax #:																																			
Sampler Name: SIMON RENDON		PRESERV:																																	
FOR LAB USE ONLY		SAMPLING																																	
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		TPH/EXT	
H235634		BOTTOM SAMPLE 21@1'		9		1																				10/10/23		11:16AM		✓		✓		✓	
21		BOTTOM SAMPLE 22@1'																								10/10/23		11:32AM		✓		✓		✓	
23		BOTTOM SAMPLE 23@1'																								10/10/23		11:51AM		✓		✓		✓	
23		BOTTOM SAMPLE 24@1'																								10/10/23		12:45PM		✓		✓		✓	
24		BOTTOM SAMPLE 25@1'																								10/10/23		1:06PM		✓		✓		✓	
25		BOTTOM SAMPLE 26@1'																								10/10/23		1:20PM		✓		✓		✓	
26		BOTTOM SAMPLE 27@2'																								10/10/23		1:35PM		✓		✓		✓	
27		BOTTOM SAMPLE 28@2'																								10/10/23		1:52PM		✓		✓		✓	
28		BOTTOM SAMPLE 29@2'																								10/10/23		2:12PM		✓		✓		✓	
29		BOTTOM SAMPLE 30@2'																								10/10/23		2:29PM		✓		✓		✓	
30																																			

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising from this contract or for any claim arising from the use of the above stated services or equipment, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or any of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Sample Condition	CHECKED BY:	REMARKS:
David Hume	10-10-23	8:00AM	David Hume	10-16-23	10:40	Intact	David Hume	*Customer made corrections to sample I.D. Speckigney 10-17-23
Delivered By: (Circle One)								
Sampler - UPS - Bus - Other:								

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





# ARDINAL 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																					
Project #:							Project Owner: Oxy																					
Project Name: BRAVO DOME D LEG 10 (7/17/20)							City:																					
Project Location: New Mexico							State: Zip:																					
Sample Name: SIMON RENDON							Phone #:																					
FOR LAB USE ONLY							Fax #:																					
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																					
10/10/23							2:44PM																					
10/10/23							3:05PM																					
10/10/23							3:17PM																					
10/10/23							3:36PM																					
10/10/23							3:52PM																					
10/10/23							4:10PM																					
10/10/23							4:22PM																					
10/10/23							4:36PM																					
10/10/23							4:45PM																					
10/10/23							4:57PM																					
BOTTOM SAMPLE 31@2'																												
BOTTOM SAMPLE 32@2'																												
BOTTOM SAMPLE 33@2'																												
BOTTOM SAMPLE 34@2'																												
BOTTOM SAMPLE 35@2'																												
BOTTOM SAMPLE 36@2'																												
BOTTOM SAMPLE 37@2'																												
BOTTOM SAMPLE 38@2'																												
BOTTOM SAMPLE 39@2'																												
BOTTOM SAMPLE 40@2'																												
PLEASE NOTE: Liability and Damages. Cardholder's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or lost profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.																												
Relinquished By: [Signature]							Date: 10-16-23		Received By: [Signature]		Date: 10-16-23		Time: 8:00AM		REMARKS:													
Reinquired By: [Signature]							Date: 10-16-23		Received By: [Signature]		Date: 10-16-23		Time: 11:40		REMARKS:													
Delivered By: (Circle One) -g.g.i. #140							Sample Condition Cool Intact Yes No		CHECKED BY: [Signature]		Add'l Phone #:		Add'l Fax #:															
Sampler - UPS - Bus - Other:							Sample Condition Cool Intact Yes No		CHECKED BY: [Signature]		Add'l Phone #:		Add'l Fax #:															



**ARDINAL LABORATORIES**  
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(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 5 OF 13

<b>Company Name:</b> BBC International, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																		
<b>Project Manager:</b> Cliff Brunson		<b>P.O. #:</b>																				
<b>Address:</b> P.O. Box 805		<b>Company:</b> Oxy																				
<b>City:</b> Hobbs		<b>Attn:</b>																				
<b>State:</b> NM <b>Zip:</b> 88241		<b>Address:</b>																				
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397		<b>City:</b>																				
<b>Project #:</b>		<b>State:</b>																				
<b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20)		<b>Zip:</b>																				
<b>Project Location:</b> New Mexico		<b>Phone #:</b>																				
<b>Sample Name:</b> SIMON RENDON		<b>Fax #:</b>																				
<small>FOR LAB USE ONLY</small>																						
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>MATRIX</b>			<b>PRESERV.</b>	<b>SAMPLING</b>														
				GROUNDWATER	WASTEWATER	SOIL			DATE	TIME												
				SLUDGE																		
				OTHER :	ACID/BASE:	ICE / COOL	OTHER :															
4235634	BOTTOM SAMPLE 41@2'	6	1						10/10/23	5:10PM	✓	Chloride										
43	BOTTOM SAMPLE 42@2'								10/11/23	8:50AM	✓	BTEX										
44	BOTTOM SAMPLE 43@2'								10/11/23	9:02AM	✓	TPH EXT										
45	BOTTOM SAMPLE 44@2'								10/11/23	9:14AM	✓											
46	BOTTOM SAMPLE 45@2'								10/11/23	9:26AM	✓											
47	BOTTOM SAMPLE 46@2'								10/11/23	9:40AM	✓											
48	BOTTOM SAMPLE 47@2'								10/11/23	9:54AM	✓											
49	BOTTOM SAMPLE 48@2'								10/11/23	10:10AM	✓											
50	BOTTOM SAMPLE 49@2'								10/11/23	10:23AM	✓											
	BOTTOM SAMPLE 50@2'								10/11/23	10:36AM	✓											
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of data. This limitation shall not apply to claims for personal injury or death. This limitation shall not apply to claims for property damage or loss of property. This limitation shall not apply to claims for punitive damages or other damages not compensable under applicable law. This limitation shall not apply to claims for damages caused by the negligence of Cardinal or its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																						
<b>Relinquished By:</b>		<b>Date:</b> 10-16-23	<b>Time:</b> 8:00 AM	<b>Received By:</b>		<b>Date:</b> 10-16-23	<b>Time:</b> 1:40	<b>Sample Condition:</b>		<b>Checked By:</b>	<b>REMARKS:</b>											
<b>Relinquished By:</b>				<b>Received By:</b>				<b>Sample Condition:</b>														
<b>Delivered By:</b> (Circle One)				<b>Sample Condition:</b>				<b>Checked By:</b>														
<b>Sampler - UPS - Bus - Other:</b>				<b>Sample Condition:</b>				<b>Checked By:</b>														

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





## ARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 13

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																					
Project #:										Project Owner: Oxy																					
Project Name: BRAVO DOME D LEG 10 (7/17/20)										City:																					
Project Location: New Mexico										State: Zip:																					
Sample Name: SIMON RENDON										Phone #:																					
FOR LAB USE ONLY										Fax #:																					
Lab I.D.										Sample I.D.																					
H235634										BOTTOM SAMPLE 51@2'																					
51										BOTTOM SAMPLE 52@2'																					
53										BOTTOM SAMPLE 53@2'																					
53										BOTTOM SAMPLE 54@2'																					
54										BOTTOM SAMPLE 55@2'																					
54										BOTTOM SAMPLE 56@2'																					
57										BOTTOM SAMPLE 57@2'																					
58										BOTTOM SAMPLE 58@2'																					
59										BOTTOM SAMPLE 59@2'																					
60										BOTTOM SAMPLE 60@2'																					
PLEASE NOTE: Liability and Damages: Cardholder's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business 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, regardless of whether such claim is based upon and all the above stated reasons or otherwise.																															
Relinquished By: [Signature]										Date: 10-16-23																					
Relinquished By: [Signature]										Time: 6:00AM																					
Relinquished By: [Signature]										Date: 10-16-23																					
Relinquished By: [Signature]										Time: 1:40																					
Delivered By: (Circle One)										-291																					
Sampler - UPS - Bus - Other:										#140																					
Sample Condition										Cool																					
Intact										Yes																					
No										No																					
CHECKED BY: [Signature]										(Initials)																					
Phone Result: Yes No										Add'l Phone #:																					
Fax Result: Yes No										Add'l Fax #:																					
REMARKS:																															



## ORDINAL LABORATORIES

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

70F13

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20) <b>Project Location:</b> New Mexico <b>Sample Name:</b> SIMON RENDON				<b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>FOR LAB USE ONLY</b>				<b>BILL TO</b>	
<b>Lab I.D.</b>				<b>ANALYSIS REQUEST</b>	
<b>Sample I.D.</b>				<b>Chloride</b> <b>BTEX</b> <b>TPH EXT</b>	
(G)RAB OR (C)OMP.					
# CONTAINERS					
GROUNDWATER					
WASTEWATER					
SOIL					
OIL					
SLUDGE					
OTHER :					
ACID/BASE:					
ICE / COOL					
OTHER :					
DATE				TIME	
BOTTOM SAMPLE 61@2'				10/11/23 1:12PM	
BOTTOM SAMPLE 62@2'				10/11/23 1:27PM	
BOTTOM SAMPLE 63@3'				10/11/23 1:40PM	
BOTTOM SAMPLE 64@3'				10/11/23 1:53PM	
BOTTOM SAMPLE 65@3'				10/11/23 2:14PM	
BOTTOM SAMPLE 66@3'				10/11/23 2:31PM	
BOTTOM SAMPLE 67@3'				10/11/23 2:46PM	
BOTTOM SAMPLE 68@3'				10/11/23 2:59PM	
BOTTOM SAMPLE 69@3'				10/11/23 3:17PM	
BOTTOM SAMPLE 70@3'				10/11/23 3:32PM	

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<b>Relinquished By:</b> <i>[Signature]</i>		<b>Date:</b> 10-16-23		<b>Received By:</b> <i>[Signature]</i>	
<b>Relinquished By:</b> <i>[Signature]</i>		<b>Date:</b> 10-16-23		<b>Received By:</b> <i>[Signature]</i>	
<b>Delivered By:</b> (Circle One) <i>291</i>		<b>Sample Condition</b>		<b>CHECKED BY</b> <i>[Signature]</i>	
<b>Sampler - UPS - Bus - Other:</b>		<b>Cool</b> <input type="checkbox"/> <b>Intact</b> <input type="checkbox"/>		<b>(Initials)</b>	
<b>REMARKS:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Phone #:</b>	
<b>REMARKS:</b>		<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Fax #:</b>	





ARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

80515

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20) <b>Project Location:</b> New Mexico <b>Sample Name:</b> SIMON RENDON				<b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>							
FOR LAB USE ONLY											
<b>Lab I.D.</b>  <b>Sample I.D.</b>	(G)RAB OR (C)OMP. # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		PRESERV ACID/BASE: ICE / COOL OTHER :		SAMPLING DATE TIME		ANALYSIS REQUEST Chloride BTEX TPHEXT		
	BOTTOM SAMPLE 71@3'						10/11/23 3:49PM		✓		
	BOTTOM SAMPLE 72@3'						10/11/23 4:10PM		✓		
	BOTTOM SAMPLE 73@3'						10/11/23 4:22PM		✓		
	BOTTOM SAMPLE 74@3'						10/11/23 4:35PM		✓		
	BOTTOM SAMPLE 75@2'						10/11/23 4:51PM		✓		
	BOTTOM SAMPLE 76@2'						10/11/23 5:06PM		✓		
	BOTTOM SAMPLE 77@2'						10/12/23 8:45AM		✓		
	BOTTOM SAMPLE 78@2'						10/12/23 8:55AM		✓		
	BOTTOM SAMPLE 79@2'						10/12/23 9:05AM		✓		
BOTTOM SAMPLE 80@2'						10/12/23 9:17AM		✓			

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<b>Relinquished By:</b> Date: 10-16-23 Time: 8:00AM Received By: [Signature] Date: 10-16-23 Time: 1:40	<b>Relinquished By:</b> Date: 10-16-23 Time: 8:00AM Received By: [Signature] Date: 10-16-23 Time: 1:40
---	---

Delivered By: (Circle One) Street 140  
 Sampler - UPS - Bus - Other: -A-2 #140  
 Sample Condition: ☒ Cool ☐ Intact  
 Checked By: [Signature] (Initials) 88

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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 90513

<b>Company Name:</b> BBC International, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>												
<b>Project Manager:</b> Cliff Brunson		<b>P.O. #:</b>														
<b>Address:</b> P.O. Box 805		<b>Company:</b> Oxy														
<b>City:</b> Hobbs		<b>Attn:</b>														
<b>State:</b> NM <b>Zip:</b> 88241		<b>Address:</b>														
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397		<b>City:</b>														
<b>Project #:</b>		<b>State:</b>														
<b>Project Name:</b> BRAVO DOME D LEG 10 (7/17/20)		<b>Zip:</b>														
<b>Project Location:</b> New Mexico		<b>Phone #:</b>														
<b>Sample Name:</b> SIMON RENDON		<b>Fax #:</b>														
<b>FOR LAB USE ONLY</b>																
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>MATRIX</b>			<b>PRESERV.</b>	<b>SAMPLING</b>								
				GROUNDWATER												
				WASTEWATER												
				SOIL												
				OIL												
				SLUDGE												
				OTHER :												
				ACID/BASE:												
				ICE / COOL												
				OTHER :												
					<b>DATE</b>	<b>TIME</b>										
H235634	BOTTOM SAMPLE 81@2'				10/12/23	9:31AM			Chloride							
81	BOTTOM SAMPLE 82@2'				10/12/23	9:42AM			BTEX							
82	BOTTOM SAMPLE 83@2'				10/12/23	9:54AM			TPH EXT							
83	BOTTOM SAMPLE 84@2'				10/12/23	10:12AM										
84	BOTTOM SAMPLE 85@2'				10/12/23	10:25AM										
85	BOTTOM SAMPLE 86@1'				10/12/23	10:39AM										
86	BOTTOM SAMPLE 87@1'				10/12/23	10:53AM										
87	BOTTOM SAMPLE 88@1'				10/12/23	11:10AM										
88	BOTTOM SAMPLE 89@1'				10/12/23	11:25AM										
89	BOTTOM SAMPLE 90@1'				10/12/23	11:41AM										
90																

**PLEASE NOTE:** Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business 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, regardless of whether such claim is based on any of the above stated reasons or otherwise.

<b>Relinquished By:</b>	<b>Date:</b> 10-16-23	<b>Received By:</b> [Signature]	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Phone #:</b>
<b>Relinquished By:</b> [Signature]	<b>Date:</b> 10-16-23	<b>Received By:</b> [Signature]	<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Fax #:</b>
<b>Relinquished By:</b> [Signature]	<b>Date:</b> 10-16-23	<b>Received By:</b> [Signature]	<b>REMARKS:</b>	

**Delivered By:** (Circle One) **Spodisney** **CHECKED BY:** (Initials) **SE**

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

**Sampler - UPS - Bus - Other:** **-2.9c #140**

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

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS  
  
Action 340390

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 340390
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2022458517
Incident Name	NRM2022458517 BRAVO DOME D LEG 10 @ 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	BRAVO DOME D LEG 10
Date Release Discovered	07/17/2020
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 145 BBL   Recovered: 0 BBL   Lost: 145 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 340390

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	340390
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 05/02/2024
--	---

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QUESTIONS, Page 3

Action 340390

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	340390
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
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.	
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)	32
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)	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	08/08/2023
On what date will (or did) the final sampling or liner inspection occur	10/09/2023
On what date will (or was) the remediation complete(d)	10/31/2023
What is the estimated surface area (in square feet) that will be reclaimed	27432
What is the estimated volume (in cubic yards) that will be reclaimed	2000
What is the estimated surface area (in square feet) that will be remediated	27432
What is the estimated volume (in cubic yards) that will be remediated	2000

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 340390

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 340390
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: 05/02/2024
<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 340390

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  340390
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 340390

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	340390
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	323788
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/13/2023
What was the (estimated) number of samples that were to be gathered	122
What was the sampling surface area in square feet	27432

**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	27432
What was the total volume (cubic yards) remediated	2000
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	27432
What was the total volume (in cubic yards) reclaimed	2000
Summarize any additional remediation activities not included by answers (above)	OXY excavated the spill area as depicted on the following site diagram. The leak area near SP1, SP9, SP11, and SP12 (BLUE shade on diagram) was excavated to a depth of 2 feet. The leak area near SP2 (PINK shade on diagram) was excavated to a depth of 3 feet. The leak area near SP3, SP8, and SP10 (YELLOW shade on diagram) was excavated to a depth of 1 foot. The leak area near SP4 – SP7 (ORANGE shade on diagram) required zero remediation. OXY collected bottom and sidewall confirmation samples every 200 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: 05/02/2024
--	---

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QUESTIONS, Page 7  
  
Action 340390

QUESTIONS (continued)

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  340390
	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 340390

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 340390
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	Remediation closure approved. In remediation plan conditions of approval from 11/15/2022, the deadline to submit closure report was 2/15/2023. Oxy submitted closure report on 3/15/2024. Failure to submit a complete remediation plan and/or remediation closure report within the 90 days of discovery may result in compliance and enforcement penalties pursuant to 19.15.5 NMAC.	5/3/2024
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	5/3/2024
scwells	Areas not reasonably needed for production or drilling activities will need to be reclaimed and revegetated as early as practicable. The reclamation report should include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. Pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site; and a revegetation plan.	5/3/2024