

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

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	OXY USA INC	Contact	WADE DITTRICH
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-390-2828
Facility Name	CEDAR CANYON 22 CENTRAL SATELLITE	Facility Type	SATELLITE

Surface Owner	BLM	Mineral Owner		API No.	30-015-43749
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	22	24S	29E	1090	SOUTH	207	WEST	EDDY

Latitude 32.19969 Longitude -103.97784 NAD83

NATURE OF RELEASE

Type of Release	OIL	Volume of Release	15 bbls	Volume Recovered	0 bbls
Source of Release	DUMP VALVE FAILURE ON OIL TANK #3	Date and Hour of Occurrence	08/29/2017	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	CRYSTAL WEAVER-NMOCD; MIKE BRATCHER-NMOCD; SHELLY TUCKER-BLM		
By Whom?	WADE DITTRICH	Date and Hour	08/29/2017 @ 1:05 PM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
DUMP VALVE FAILURE ON AN OIL TANK CAUSED A SPILL OF 15 BBLs OF OIL ON LOCATION. NO FLUIDS WERE RECOVERED AND THE VALVE WAS REPAIRED.

Describe Area Affected and Cleanup Action Taken.*
The impacted area is 70' X 15' ON LOCATION. Remediation is completed in accordance with a remediation plan approved by the NMOCD and BLM. NMOCD Approved Work Plan on 9/19/2017 & Assigned Job Number 2RP-4401

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:		OIL CONSERVATION DIVISION	
Printed Name:	WADE DITTRICH	Approved by Environmental Specialist:	
Title:	ENVIROMENTAL COORDINATOR	Approval Date:	4/10/2023
E-mail Address:	wade_dittrich@oxy.com	Expiration Date:	N/A
Date:	07/12/18	Conditions of Approval:	none
Phone:	575-390-2828	Attached	<input type="checkbox"/>

* Attach Additional Sheets If Necessary

Closure Report

Site Description

Site Name:	Oxy Permian Ltd.
Company:	Cedar Canyon 22 Central Satellite
Legal Description:	U/L L, Section 22, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.19969 W-103.97784

Release Data

Date of Release:	08/29/2017
Type of Release:	Oil
Source of Release:	Dump valve failure
Volume of Release:	15 bbls
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak area to a depth of 1 foot. Backfill the site with clean soil.	
Remediation Activities:	05/21/2018 to 06/20/2018	
Plan Sent to OCD:	11/22/2017	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	03/05/2018	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	11/22/2017	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	12/26/2017	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 09/14/2017
Final C-141	Upon completion
Site Diagram	September 2017
Groundwater Plot	75'-100'
TOPO Maps	September 2017
Lab Summary	09/15/2017
Lab Analysis	09/15/2017
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan, Oxy Permian requests closure approval from NMOCD.

Wade Dittrich, Environmental Specialist, Oxy Permian

06/25/2018

NM OIL CONSERVATION

ARTESIA DISTRICT

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

State of New Mexico
Energy Minerals and Natural Resources

SEP 14 2017

Form C-141
Revised August 8, 2011

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

Submit Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NABIT26250913

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd. <i>1101010</i>	Contact	Wade Dittrich
Address	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 390-2828
Facility Name	Cedar Canyon 22 Central Satellite	Facility Type	Satellite
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-43749

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	22	24S	29E					Eddy County, NM

Latitude N 32.19969° Longitude W 103.97784°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	15 bbls	Volume Recovered	0 bbls
Source of Release	Dump valve failed on oil tank #3	Date and Hour of Occurrence	08/29/2017	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, Crystal Weaver- NMOCD; Shelly Tucker- BLM		
By Whom?	Wade Dittrich, Oxy Permian	Date and Hour	08/29/2017 @ 1:05 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Dump valve failure on an oil tank caused a spill of 15 bbls of oil on location. No fluids were recovered and the valve was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 70' x 15' on location. Remediation will be completed in accordance with a remediation plan approved by both NMOCD and the BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Wade Dittrich</i>	OIL CONSERVATION DIVISION		
Printed Name: Wade Dittrich	Approved by Environmental Specialist: <i>Mike Bratcher</i>		
Title: Environmental Coordinator	Approval Date: <i>9/19/17</i>	Expiration Date: <i>N/A</i>	
E-mail Address: Wade.Dittrich@oxy.com	Conditions of Approval: <i>See attached</i>		Attached <input type="checkbox"/> <i>202-4401</i>
Date: <i>9-14-17</i>	Phone: (575) 390-2828		

* Attach Additional Sheets If Necessary

www.emnrd.state.nm.us

Current forms are available on our website and should be used when filing regulatory documents.

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 9/14/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number ARP-4401 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 10/14/2017. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505-476-3465

jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From: Wade_Dittrich@oxy.com
Sent: Thursday, September 14, 2017 2:59 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD
Cc: stucker@blm.gov
Subject: Initial C-141-Cedar Canyon 22 Central Satellite
Attachments: Initial C-141-Signed.pdf

All,

Attached is the Initial C-141. Please review and let me know if there are any questions.

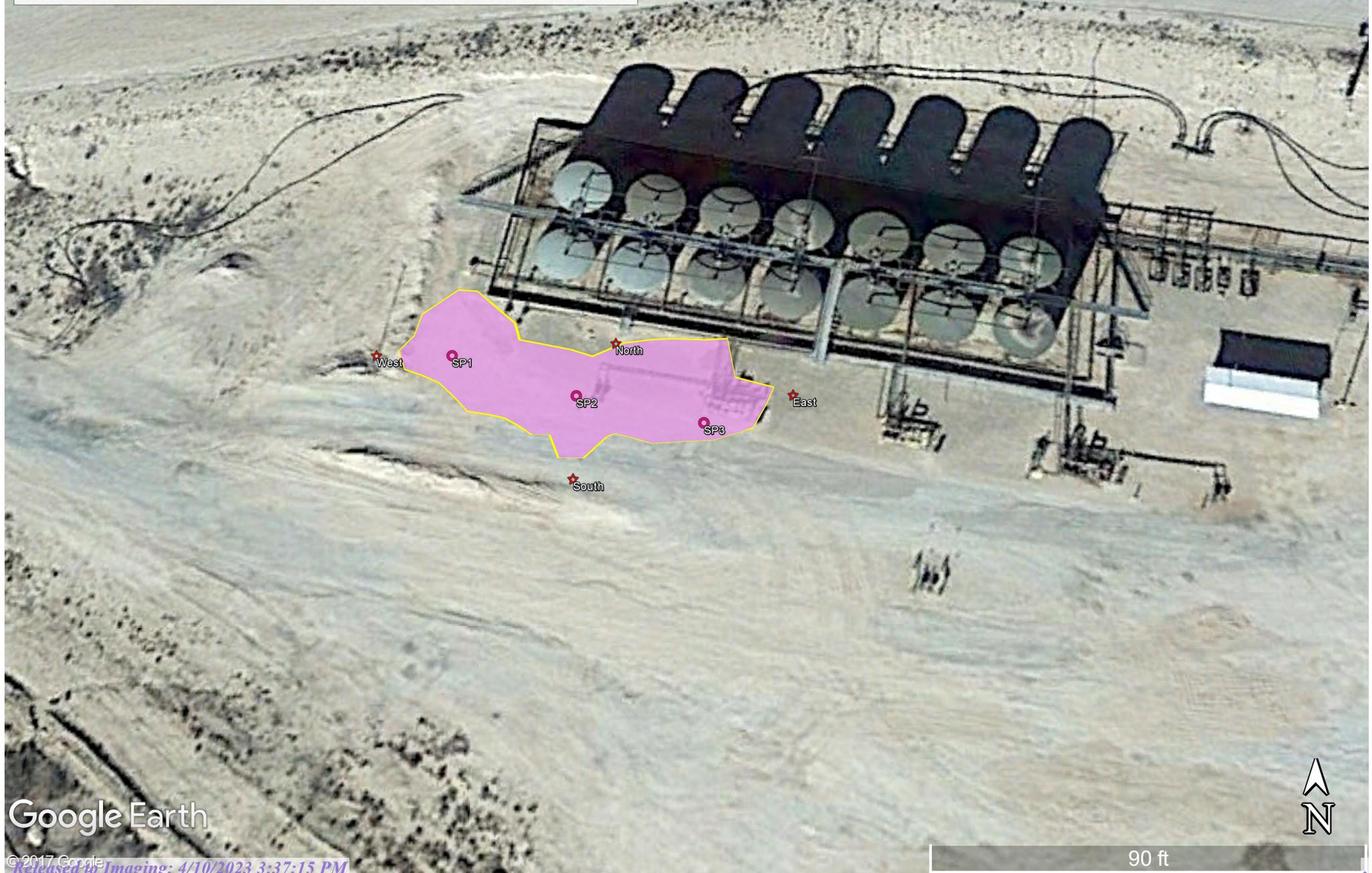
Wade Dittrich
Environmental Coordinator
Oxy Permian-New Mexico
575.390.2828 cell
Wade_Dittrich@Oxy.com

Oxy, Cedar Canyon 22 Central Satellite

Leak date: 08/29/2017
Eddy County, NM
AP# 30-015-43749
2RP-4401

Legend

- ★ Cardinal sample points
- █ Leak area, 1 ft Excavation across entire area
- Sample points



Google Earth



90 ft

Oxy, Cedar Canyon 22 Central Satellite

Sample points, hand auger

SP1, N 32.19974 W-103.97808

SP2, N 32.19971 W-103.97798

SP3, N 32.19969 W-103.97788

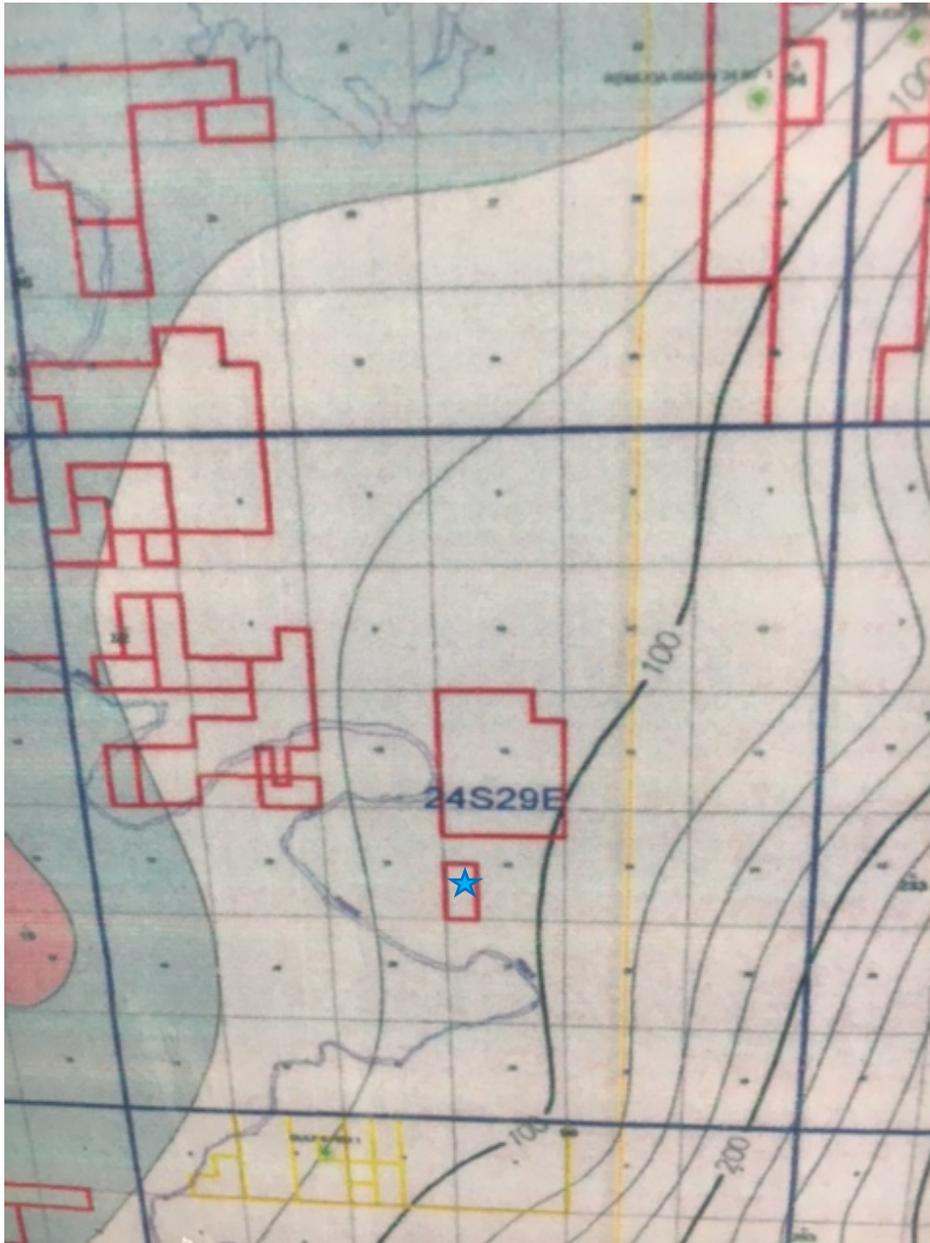
NORTH, N 32.19975 W-103.97795

SOUTH, N 32.19965 W-103.97798

EAST, N 32.19971 W-103.97781

WEST, N 32.19974 W-103.97814

Oxy, Cedar Canyon 22 Central Satellite
U/L L, Section 22, T24S, R29E
Groundwater: 75'-100'





New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 596258

Northing (Y): 3563189

Radius: 1700

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

4/17/17 9:54 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

Q64: Q16: NW Q4: SW Sec: 22 Tws: 24S Rng: 29E

State Plane Coordinate System - NAD27

X: ft Y: ft Zone:

State Plane Coordinate System - NAD83

X: ft Y: ft Zone:

Degrees/Minutes/Seconds

Longitude (X): Degrees: ° Minutes: ' Seconds: "

Latitude (Y): Degrees: ° Minutes: ' Seconds: "

UTM - NAD27

Easting (X): mtrs Northing (Y): mtrs Zone:

SUBMIT

All Conversion Results are displayed as **NAD 1983 UTM Zone 13**

Easting (X): **596258.0** mtrs Northing (Y): **3563189.0** mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~

Oxy, Cedar Canyon 22 Central Satellite



Oxy, Cedar Canyon 22 Central Satellite



Laboratory Analytical Results Summary
Cedar Canyon 22 Central Satellite (08/29/2017 leak)

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 8'
Analyte	Method	Date	9/15/17	9/15/17	9/15/17	9/15/17	9/15/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.225	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.486	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.87	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		4.59	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		112	32	128	240	608
GRO	TPH 8015M		275	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		34000	1470	10.1	<10.0	<10.0
EXT DRO	TPH 8015M		8300	362	34.9	<10.0	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 8'
Analyte	Method	Date	9/15/17	9/15/17	9/15/17	9/15/17	9/15/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.88	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.31	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		9.89	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		12.1	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		144	32	128	112	496
GRO	TPH 8015M		447	14.8	<10.0	<10.0	<10.0
DRO	TPH 8015M		36000	1900	17.8	<10.0	<10.0
EXT DRO	TPH 8015M		8650	448	41.5	<10.0	<10.0

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 8'
Analyte	Method	Date	9/15/17	9/15/17	9/15/17	9/15/17	9/15/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.335	0.067	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.27	0.37	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		3.6	0.437	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		144	32	144	512	496
GRO	TPH 8015M		225	43.4	<10.0	<10.0	<10.0
DRO	TPH 8015M		30800	2160	13.3	<10.0	<10.0
EXT DRO	TPH 8015M		7600	429	40.2	<10.0	<10.0

Cardinal points		Sample	West @ Surface	East @ Surface	South @ Surface	North @ Surface
Analyte	Method	Date	9/15/17	9/15/17	9/15/17	9/15/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		64	48	48	64
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



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

September 26, 2017

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: CEDAR CANYON 22 CENTRAL SATELLITE

Enclosed are the results of analyses for samples received by the laboratory on 09/20/17 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H702560-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	0.225	0.200	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	0.486	0.200	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	3.87	0.600	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	4.59	1.20	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/25/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	275	50.0	09/24/2017	ND	171	85.4	200	4.24		
DRO >C10-C28	34000	50.0	09/24/2017	ND	182	90.9	200	3.34		
EXT DRO >C28-C36	8300	50.0	09/24/2017	ND						

Surrogate: 1-Chlorooctane 131 % 28.3-164

Surrogate: 1-Chlorooctadecane 1630 % 34.7-157

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:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1 (H702560-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 72-148

Chloride, SM4500CI-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	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	1470	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	362	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 74.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.1 % 34.7-157

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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:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 2 (H702560-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	10.1	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	34.9	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 74.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.0 % 34.7-157

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Analytical Results For:

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

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 3 (H702560-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 71.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.3 % 34.7-157

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Analytical Results For:

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

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 8 (H702560-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 64.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 68.0 % 34.7-157

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Analytical Results For:

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

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H702560-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	0.880	0.200	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	1.31	0.200	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	9.89	0.600	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	12.1	1.20	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/25/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	447	50.0	09/24/2017	ND	171	85.4	200	4.24		
DRO >C10-C28	36000	50.0	09/24/2017	ND	182	90.9	200	3.34		
EXT DRO >C28-C36	8650	50.0	09/24/2017	ND						

Surrogate: 1-Chlorooctane 148 % 28.3-164

Surrogate: 1-Chlorooctadecane 1700 % 34.7-157

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Analytical Results For:

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Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1 (H702560-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 72-148

Chloride, SM4500CI-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	09/25/2017	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	14.8	10.0	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	1900	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	448	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 82.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 110 % 34.7-157

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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:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 2 (H702560-08)

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	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	17.8	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	41.5	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 77.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.7 % 34.7-157

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 3 (H702560-09)

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	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 74.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.3 % 34.7-157

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Analytical Results For:

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 Cliff Brunson
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Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 8 (H702560-10)

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	09/25/2017	ND	1.83	91.4	2.00	0.215	
Toluene*	<0.050	0.050	09/25/2017	ND	1.73	86.7	2.00	0.717	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.82	91.1	2.00	0.474	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.52	92.0	6.00	0.487	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 69.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 67.6 % 34.7-157

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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:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H702560-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/25/2017	ND	2.01	101	2.00	1.25	
Toluene*	0.335	0.100	09/25/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.100	0.100	09/25/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	3.27	0.300	09/25/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	3.60	0.600	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/25/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	225	50.0	09/24/2017	ND	171	85.4	200	4.24		
DRO >C10-C28	30800	50.0	09/24/2017	ND	182	90.9	200	3.34		
EXT DRO >C28-C36	7600	50.0	09/24/2017	ND						

Surrogate: 1-Chlorooctane 112 % 28.3-164

Surrogate: 1-Chlorooctadecane 1490 % 34.7-157

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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:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1 (H702560-12)

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	09/25/2017	ND	2.01	101	2.00	1.25	
Toluene*	0.067	0.050	09/25/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	0.370	0.150	09/25/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	0.437	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 72-148

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	09/25/2017	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	43.4	10.0	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	2160	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	429	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 82.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 105 % 34.7-157

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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:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 2 (H702560-13)

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	09/25/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/25/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/25/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/25/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	13.3	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	40.2	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 78.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 77.3 % 34.7-157

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Analytical Results For:

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Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 3 (H702560-14)

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	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 73.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.1 % 34.7-157

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 8 (H702560-15)

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	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 65.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 63.9 % 34.7-157

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: WEST @ SURFACE (H702560-16)

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	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 66.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 63.7 % 34.7-157

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: EAST @ SURFACE (H702560-17)

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	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2017	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	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 65.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 69.9 % 34.7-157

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H702560-18)

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	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2017	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	4.24	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	182	90.9	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 54.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 56.7 % 34.7-157

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Received:	09/20/2017	Sampling Date:	09/15/2017
Reported:	09/26/2017	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(8/ 29/ 17 LEAK)	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: NORTH @ SURFACE (H702560-19)

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	09/26/2017	ND	2.01	101	2.00	1.25	
Toluene*	<0.050	0.050	09/26/2017	ND	1.83	91.3	2.00	1.38	
Ethylbenzene*	<0.050	0.050	09/26/2017	ND	1.85	92.5	2.00	1.23	
Total Xylenes*	<0.150	0.150	09/26/2017	ND	5.58	93.0	6.00	1.38	
Total BTEX	<0.300	0.300	09/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2017	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/24/2017	ND	171	85.4	200	2.35	
DRO >C10-C28	<10.0	10.0	09/24/2017	ND	173	86.6	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	09/24/2017	ND					

Surrogate: 1-Chlorooctane 55.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 61.3 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs
 Phone #: 575-397-6388
 Project #: [blank]
 Project Name: Cedar Canyon 2a Central Satellite
 Project Location: Eddy County (SB9117) Leak
 Sampler Name: Roger Hernandez
 P.O. #: [blank]
 Company: [blank]
 Attn: Wade [blank]
 Address: [blank]
 City: [blank]
 State: NM Zip: 88241
 Project Owner: City
 State: [blank] Zip: [blank]
 Phone #: [blank]
 Fax #: [blank]

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CI	BTEX	TPHETX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H702500	SP1 @ Sur		1							9.15.17	10.15	V	V	V
	SP1 @ 1		1								10.24	V	V	V
	SP1 @ 3		1								10.40	V	V	V
	SP1 @ 5		1								10.46	V	V	V
	SP1 @ 8		1								10.58	V	V	V
	SP2 @ Sur		1								11.15	V	V	V
	SP2 @ 1		1								11.29	V	V	V
	SP2 @ 2		1								11.46	V	V	V
	SP2 @ 3		1								11.53	V	V	V
	SP2 @ 8		1								12.34	V	V	V

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Relinquished By: [Signature]
 Date: 11/5/17
 Time: 3:30
 Received By: Jodie Smeyl
 Date: 9/28/17
 Time: 3:10
 Delivered By: (Circle One) 1.8°C / 2.05°C #75
 Sample Condition: Cool Intact Yes [checked] No []
 Checked By: Holly Curbers (Initials) HC
 Sampler - UPS - Bus - Other: []
 Remarks: Corrected 4.25°C

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

1072



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 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company:	CV
Address: P.O. Box 805		Attn:	Wade H. H. H.
City: Hobbs		Address:	
Phone #: 575-397-6388		City:	
State: NM zip: 88241		State:	
Fax #: 575-397-0397		Zip:	
Project #: 044		Phone #:	
Project Name: Coelacanth Canyon 22 Central Satellite		Fax #:	
Project Location: Eddy County (809117 back)			
Sampler Name: Roger Hernandez			
FOR LAB USE ONLY			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CI	BTEX	TPH BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H708500														
11	SP 3 @ SYN	G	1			✓				9.15.17	12.52	✓	✓	✓
12	SP 3 @ 2	G	1			✓				1.04	1.04	✓	✓	✓
13	SP 3 @ 3	G	1			✓				1.30	1.30	✓	✓	✓
14	SP 3 @ 4	G	1			✓				1.38	1.38	✓	✓	✓
15	SP 3 @ 5	G	1			✓				1.45	1.45	✓	✓	✓
16	W @ SUR	G	1			✓				1.50	1.50	✓	✓	✓
17	E @ SUR	G	1			✓				2.00	2.00	✓	✓	✓
18	S @ SUR	G	1			✓				2.08	2.08	✓	✓	✓
19	N @ SUR	G	1			✓						✓	✓	✓
20	W @ SUR	G	1			✓						✓	✓	✓

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Relinquished By: *[Signature]* Date: 4/18/17 Time: 3:45 PM
 Received By: *[Signature]* Date: 9/12/17 Time: 3:10 PM

Delivered By: (Circle One) *[Signature]* Sample Condition: Cool Intact Yes No Checked By: (Initials)

Sampler - UPS - Bus - Other: Yes No Yes No

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

2 of 3

From: Bratcher, Mike, EMNRD
To: [Cliff Brunson](#); [Shelly Tucker](#)
Cc: [Weaver, Crystal, EMNRD](#); [Wade Dittrich](#); [Jennifer_Smith@oxy.com](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY Cedar Canyon 22 Central Satellite (2RP-4401) - Delineation Workplan
Date: Monday, March 5, 2018 9:54:28 AM

RE: OXY USA * Cedar Canyon 22 Central Satellite * 2RP-4401 * DOR: 8/29/17

Cliff,

Your proposal for remediation of the above referenced release is approved. BLM approved the proposal on 12/26/17.

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Wednesday, November 22, 2017 5:08 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Shelly Tucker <stucker@blm.gov>
Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Wade Dittrich <Wade_Dittrich@oxy.com>; Jennifer_Smith@oxy.com; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: OXY Cedar Canyon 22 Central Satellite (2RP-4401) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Cedar Canyon 22 Central Satellite (2RP-4401). OXY is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

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:
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Hobbs, NM 88240 USA
Phone: (575) 397-6388
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E-Mail: cbrunson@bbcinternational.com



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From: Tucker, Shelly
To: [Cliff Brunson](#)
Cc: [Mike Bratcher](#); [Crystal Weaver](#); [Wade Dittrich](#); [Jennifer_Smith@oxy.com](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: Re: OXY Cedar Canyon 22 Central Satellite (2RP-4401) - Delineation Workplan
Date: Tuesday, December 26, 2017 4:09:03 PM

BLM approves delineation plan as written for the OXY Cedar Canyon 22 Central Satellite (2RP-4401).

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Wed, Nov 22, 2017 at 5:07 PM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the OXY Cedar Canyon 22 Central Satellite (2RP-4401). OXY is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

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Hobbs, NM 88241-0805 USA

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 Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

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

CONDITIONS
 Action 203885

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 203885
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	4/10/2023