

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

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

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

Incident ID	NAB1729154789
District RP	2RP-4445
Facility ID	
Application ID	

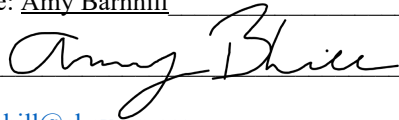
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection). **No photos available as this spill is from 2007.**
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist
Signature:  Date: 11-15-21
email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 03/31/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

Closure Report

Site Description

Site Name:	Skelly #952
Company:	Chevron
Legal Description:	U/L D, Section 21, T17S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.82453° W 103.88007°

Release Data

Date of Release:	07/10/2017
Type of Release:	Produced water
Source of Release:	Compromised injection flow line
Volume of Release:	24.23 bbls
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	The impacted area was previously excavated to a depth of 8 feet to remove and replace a broken flowline. The area was then backfilled to 4 ft bgs and a liner was placed in the excavated/ backfilled area. The remaining 4 ft were backfilled with clean soil.	
Remediation Activities:	December 2017	
Plan Sent to OCD:	10/26/2017	Email from Josepha DeLeon to Mike Bratcher
OCD Approval of Plan:	11/02/2017	Email from Mike Bratcher to Josepha DeLeon
Plan Sent to BLM:	10/26/2017	Email from Josepha DeLeon to Shelly Tucker
BLM Approval of Plan:	11/27/2017	Email from Shelly Tucker to Josepha DeLeon

Supporting Documentation

Initial C-141	Signed 07/24/17
Final C-141	Upon completion
Site Diagram	August 2017
Groundwater Plot	325'
TOPO Maps	August 2017
Lab Summary	08/16/2017, 09/13/2017-09/14/2017, & 10/13/2017
Lab Analysis	08/16/2017, 09/13/2017-09/14/2017, & 10/13/2017
Correspondence	Request and approval of remediation plan via email

Request for Closure

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

Josepha DeLeon, Environmental Compliance Specialist, Chevron

01/22/2018

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State of New Mexico
Energy Minerals and Natural Resources

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

Received 7/25/2017
NMOCD Dist 2

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

NAB1729154789 **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company: Chevron 4323	Contact: Josepha DeLeon
Address: 6301 Deauville Blvd., Midland, TX 79706	Telephone No.: office: 575-263-0424; cell: 432-425-1528
Facility Name: Skelly Unit #952	Facility Type: Injection Well

Surface Owner: BLM	Mineral Owner:	API No.: 30-015-32895
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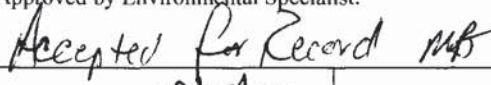
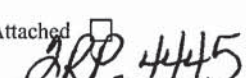
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	21	17S	31E	990'	North	990'	West	Eddy

Latitude 32° 49' 28.06" N Longitude 103° 52' 46.29" W

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 0.03 barrels produced water	Volume Recovered: 0 barrels
Source of Release: Injection Flow Line	Date and Hour of Occurrence: 7/10/2017; 12:00 PM	Date and Hour of Discovery: 7/10/2017; 02:00 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? N/A	Date and Hour: N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* A leak from injection flow line. The well was shut in to stop the leak and repair the flow line. The calculated volume of the release is below the reportable threshold defined in 19.15.29.7 NMAC – Rp.19.15.3.116 NMAC, 12/1/08.; the form is submitted at the request of the NMOCD.		
Describe Area Affected and Cleanup Action Taken.* The spill is to land outside of fenced well head.		
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: Josepha DeLeon		Approved by Environmental Specialist: 	
Title: Environmental Compliance Specialist		Approval Date: <u>10/18/17</u>	Expiration Date: <u>N/A</u>
E-mail Address: jdx@chevron.com		Conditions of Approval:	
Date: 07/24/2017	Phone: 432-425-1528	Attached <input checked="" type="checkbox"/> 	

* Attach Additional Sheets If Necessary

NOTE: Late entry for this C-141 per MBratcher. Release volume may

be subject to revision based on delineation results. MB 10/18/17

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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	Chevron	Contact	Josepha DeLeon
Address	6301 Deauville Blvd., Midland, TX 79706	Telephone No.	office: 575-263-0424; cell: 432-425-1528
Facility Name	Skelly Unit #952	Facility Type	Injection well
Surface Owner	BLM	Mineral Owner	API No. 30-015-32895

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	21	17S	31E	990'	North	990'	West	Eddy County, NM

Latitude N 32.82424° **Longitude** W 103.88011°

NATURE OF RELEASE

Type of Release	Spill, produced water	Volume of Release	24.23 produced water	Volume Recovered	0 bbls
Source of Release	Injection flow line	Date and Hour of Occurrence	07/10/2017 @ 12:00 pm	Date and Hour of Discovery	07/10/2017 @ 2:00 pm
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
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.*

This is a leak from an injection flow line. The well was shut in to stop the leak and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is located just south of the wellhead and measures approximately 80' x 20' on location. There is an additional area south of location that was sampled and determined not to be impacted. Remediation was previously completed to a depth of 8 feet at the impacted area. The affected area was backfilled to a depth of 4 feet at which depth a liner was put in place. Then, the remaining depth was backfilled to the surface.

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	
	Approved by Environmental Specialist:	
Printed Name: Josepha DeLeon	Approval Date:	Expiration Date:
E-mail Address: jdx@chevron.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: January 11, 2018	Phone: 432-425-1528	

* Attach Additional Sheets If Necessary

Chevron, Skelly Unit #952

Leak date: 07/10/2017
Eddy County, NM
API# 30-015-32895
2RP-4445

Legend

- 4' Exc. w/ liner, previously 8' exc. disposed, back filled to 4', place liner, backfilled to surface
- Additional sampling event 10/13/17
- Cardinal sample points
- Initial sampling events, 8/16/17 & 9/13/17
- Leak Area



Google Earth

© 2017 Google

Chevron, Skelly Unit #952

Initial sample points, hand auger and backhoe

SP1, N 32.82449 W-103.88004

SP2, N 32.82441 W-103.88003

Additional sample points, hand auger and backhoe

SP1, N 32.82424 W-103.88011

SP2, N 32.82416 W-103.88021

SP3, N 32.82408 W-103.88006

SP4, N 32.82419 W-103.87991

NORTH, N 32.82463 W-103.88006

SOUTH, N 32.82329 W-103.88008

EAST 1, N 32.82450 W-103.87999

EAST 2, N 32.82420 W-103.87981

WEST 1, N 32.82450 W-103.88008

WEST 2, N 32.82414 W-103.88030

A topographic map showing the 17S31E area. The map features a grid of red lines, contour lines, and various labels. A blue star is placed on the map, indicating a specific location. The map includes labels such as '17S31E', 'SHELLY UNIT CTR', and 'SHELLY UNIT BDR'. The map also shows contour lines and a grid of red lines.



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): 604729

Northing (Y): 3632492

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.

9/14/17 8:40 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

☐ Q64: Q16: Q4: Sec: Tws: Rng:

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

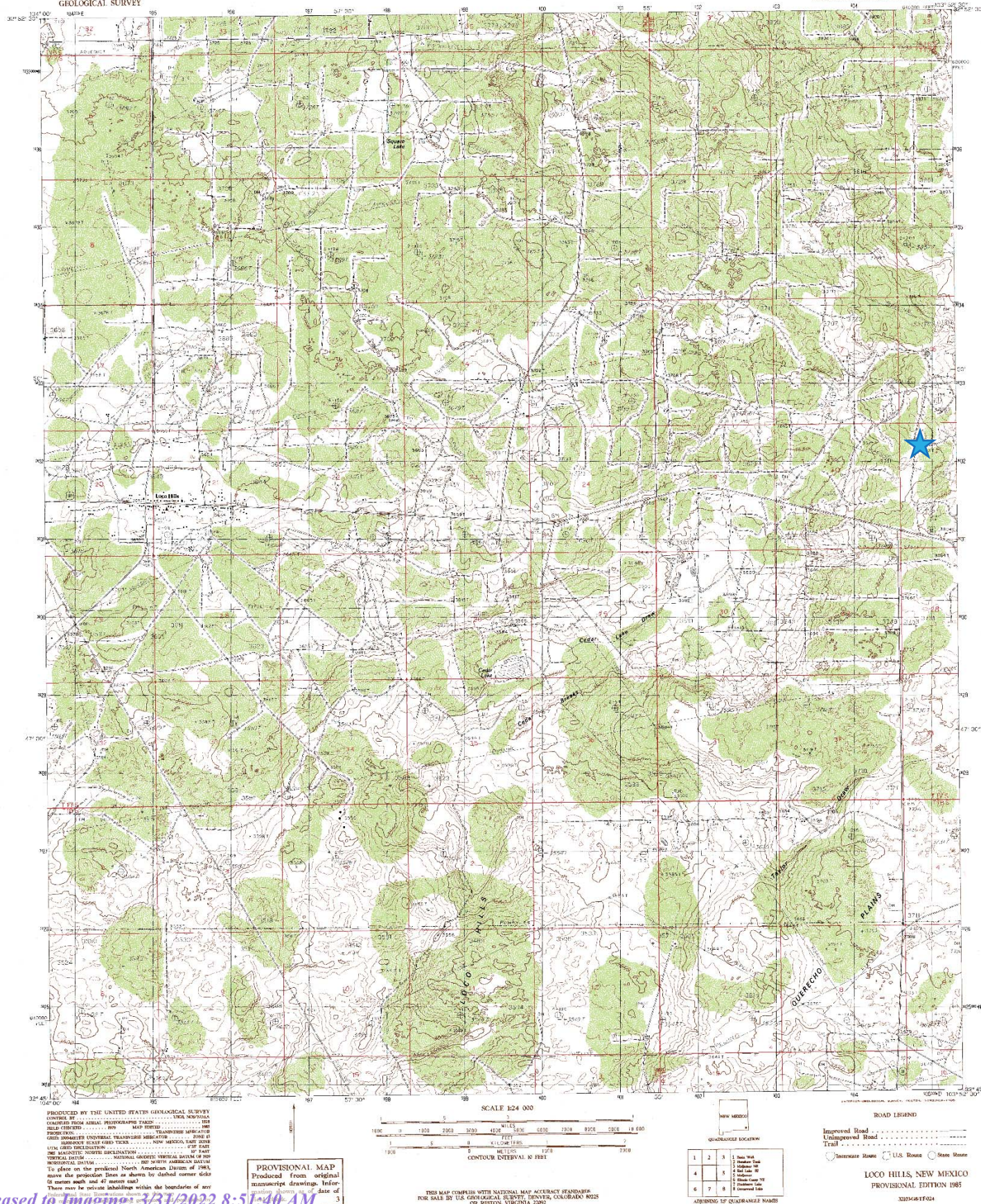
All Conversion Results are displayed as **NAD 1983 UTM Zone 13**

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCO HILLS QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Laboratory Analytical Results Summary
Skelly #952

Analyte	Method	Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 9'	SP1 @ 11'	SP1 @ 13'	SP1 @ 14'	SP1 @ 15'	SP1 @ 16'
		Date	8/16/17	8/16/17	8/16/17	8/16/17	8/16/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17	9/13/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500C1-B		4480	3920	8640	1560	1840	4240	9460	4000	160	432	160
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'	SP2 @ 8'	SP2 @ 9'	SP2 @ 11'	SP2 @ 13'	SP2 @ 16'
		Date	8/16/17	8/16/17	8/16/17	8/16/17	8/16/17	9/14/17	9/14/17	9/14/17	9/14/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500C1-B		4640	6960	6640	1800	2080	848	720	208	352
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Skelly Unit #952

Off location	Analyte	Sample ID	Method	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 8'
		Date		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
	Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
	Chloride	SM4500C1-B		64	64	48	32	32
	GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

	Analyte	Sample ID	Method	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 8'
		Date		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
	Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
	Chloride	SM4500C1-B		32	32	32	32	48
	GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

	Analyte	Sample ID	Method	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 8'
		Date		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
	Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
	Chloride	SM4500C1-B		80	64	16	32	48
	GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

	Analyte	Sample ID	Method	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 8'
		Date		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
	Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
	Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
	Chloride	SM4500C1-B		48	32	16	16	16
	GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
	EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

CARDINAL POINTS	Analyte	Method	Sample ID	Date	NORTH @ SURFACE	EAST 1 @ SURFACE	EAST 2 @ SURFACE	SOUTH @ SURFACE	WEST 2 @ SURFACE
					10/13/17	10/13/17	10/13/17	10/13/17	10/13/17
	Benzene	BTEX 8021B			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					<0.050	<0.050	<0.050	<0.050	<0.050
	Toluene	BTEX 8021B			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					<0.050	<0.050	<0.050	<0.050	<0.050
	Ethylbenzene	BTEX 8021B			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					<0.050	<0.050	<0.050	<0.050	<0.050
	Total Xylenes	BTEX 8021B			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					<0.150	<0.150	<0.150	<0.150	<0.150
	Total BTEX	BTEX 8021B			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					<0.300	<0.300	<0.300	<0.300	<0.300
	Chloride	SM4500C1-B			32	16	16	32	<16.0
	GRO	TPH 8015M			<10.0	<10.0	<10.0	<10.0	<10.0
	DRO	TPH 8015M			<10.0	<10.0	<10.0	<10.0	<10.0
	EXT DRO	TPH 8015M			<10.0	<10.0	<10.0	<10.0	<10.0



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

August 24, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SKELLY #952

Enclosed are the results of analyses for samples received by the laboratory on 08/17/17 13:05.

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/17/2017	Sampling Date:	08/16/2017
Reported:	08/24/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 1 @ 1 (H702190-01)

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	08/22/2017	ND	2.02	101	2.00	1.51		
Toluene*	<0.050	0.050	08/22/2017	ND	1.85	92.5	2.00	1.80		
Ethylbenzene*	<0.050	0.050	08/22/2017	ND	1.92	95.8	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/22/2017	ND	5.74	95.7	6.00	1.64		
Total BTEx	<0.300	0.300	08/22/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	4480	16.0	08/21/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2017	ND	177	88.5	200	2.45	
DRO >C10-C28	<10.0	10.0	08/21/2017	ND	176	87.8	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	08/21/2017	ND					

Surrogate: 1-Chlorooctane 81.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.8 % 34.7-157

Cardinal Laboratories

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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:	08/17/2017	Sampling Date:	08/16/2017
Reported:	08/24/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 1 @ 2 (H702190-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	08/21/2017	ND	416	104	400	0.00		

Sample ID: SP 1 @ 4 (H702190-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8640	16.0	08/21/2017	ND	416	104	400	0.00	

Sample ID: SP 1 @ 6 (H702190-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1560	16.0	08/21/2017	ND	416	104	400	0.00		

Sample ID: SP 1 @ 8 (H702190-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/21/2017	ND	416	104	400	0.00	

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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: 08/17/2017
 Reported: 08/24/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 08/16/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1 (H702190-06)

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	08/22/2017	ND	2.02	101	2.00	1.51		
Toluene*	<0.050	0.050	08/22/2017	ND	1.85	92.5	2.00	1.80		
Ethylbenzene*	<0.050	0.050	08/22/2017	ND	1.92	95.8	2.00	2.27		
Total Xylenes*	<0.150	0.150	08/22/2017	ND	5.74	95.7	6.00	1.64		
Total BTX	<0.300	0.300	08/22/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4640	16.0	08/21/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2017	ND	177	88.5	200	2.45	
DRO >C10-C28	<10.0	10.0	08/21/2017	ND	176	87.8	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	08/21/2017	ND					

Surrogate: 1-Chlorooctane 86.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.5 % 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:	08/17/2017	Sampling Date:	08/16/2017
Reported:	08/24/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 2 @ 2 (H702190-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	08/21/2017	ND	416	104	400	0.00		

Sample ID: SP 2 @ 4 (H702190-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	08/21/2017	ND	416	104	400	0.00	

Sample ID: SP 2 @ 6 (H702190-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	08/21/2017	ND	432	108	400	3.64	QM-07	

Sample ID: SP 2 @ 8 (H702190-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	08/21/2017	ND	432	108	400	3.64		

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Celey D. Keene, Lab Director/Quality Manager



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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1041

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																	
Project Manager: Cliff Brunson		P.O. #:																			
Address: P.O. Box 805		Company:																			
City: Hobbs		Attn:																			
Phone #: 575-397-6388		Address:																			
State: NM Zip: 88241		City:																			
Fax #: 575-397-0397		State:																			
Project #:		Zip:																			
Project Name: Skelly #952		Phone #:																			
Project Location: Eddy County		Fax #:																			
Sampler Name: Jeff O'Neal																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME							
H102190	SP1001	G	1										8-16	9:01 AM	✓	CI					
1	SP1002	G	1										8-16	9:15 AM	✓	BTEX					
2	SP1003	G	1										8-16	9:45 AM	✓	TPH EXT					
3	SP1004	G	1										8-16	10:40 AM	✓						
4	SP1005	G	1										8-16	11:11 AM	✓						
5	SP1006	G	1										8-16	11:33 AM	✓						
6	SP2001	G	1										8-16	11:55 AM	✓						
7	SP2002	G	1										8-16	1:39 PM	✓						
8	SP2003	G	1										8-16	2:39 PM	✓						
9	SP2004	G	1										8-16	3:01 PM	✓						
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Relinquished By:	Date: 8/16/17	Time: 5:30 PM	Received By:																		
Relinquished By: [Signature]																					
Delivered By: (Circle One)	Date: 8/16/17	Time: 1:05	Received By: [Signature]																		
Delivered By: [Signature]																					
Sampler - UPS - Bus - Other: #75	-8.452	Sample Condition	CHECKED BY: [Signature]																		
	-8.442	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Initials																		
		Yes <input type="checkbox"/> No <input type="checkbox"/>																			
+ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.																					
corrected 7.25c																					



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

September 20, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SKELLY #952

Enclosed are the results of analyses for samples received by the laboratory on 09/19/17 14:50.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/19/2017	Sampling Date:	09/13/2017
Reported:	09/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 1 @ 9' (H702532-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	09/20/2017	ND	432	108	400	0.00	

Sample ID: SP 1 @ 11' (H702532-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	09/20/2017	ND	432	108	400	0.00	

Sample ID: SP 1 @ 13' (H702532-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	09/20/2017	ND	432	108	400	0.00	

Sample ID: SP 1 @ 14' (H702532-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/20/2017	ND	432	108	400	0.00	

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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:	09/19/2017	Sampling Date:	09/13/2017
Reported:	09/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 1 @ 15' (H702532-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	09/20/2017	ND	432	108	400	0.00		

Sample ID: SP 1 @ 16' (H702532-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/20/2017	ND	432	108	400	0.00		

Sample ID: SP 2 @ 9' (H702532-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	09/20/2017	ND	432	108	400	0.00		

Sample ID: SP 2 @ 11' (H702532-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/20/2017	ND	432	108	400	0.00	

Sample ID: SP 2 @ 13' (H702532-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/20/2017	ND	432	108	400	0.00	

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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:	09/19/2017	Sampling Date:	09/14/2017
Reported:	09/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 2 @ 16' (H702532-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/20/2017	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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 cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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

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BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO	
Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805		Company:	
City: Hobbs	State: NM	Attn:	
Phone #: 575-397-6388	Fax #: 575-397-0397	Address:	
Project #:	Project Owner: <i>MELTON</i>	City:	
Project Name: Skelly Unit #952		State:	
Project Location: Eddy County, NM		Phone #:	
Sampler Name: Roger Hernandez		Fax #:	
MATRIX		PRESERV SAMPLING	

[illegible][illegible]

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<small>affiliates or successors arising out of or related to the performance of services rendered by Cardinal. Complaints of whether such claim is based upon any of the above stated reasons or otherwise.</small>			
Reimquished By: <i>[Signature]</i>	Date: <i>9/14/17</i> Time: <i>5:30pm</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Reinquished By: <i>[Signature]</i>	Date: <i>9-19-17</i> Time: <i>8:50</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) <i>0.92</i>	Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>42-#75</i>	REMARKS: <i>Push!!!</i>
Sampler - UPS - Bus - Other: <i>Conducted 1.15c</i>			

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



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

October 20, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SKELLY #952

Enclosed are the results of analyses for samples received by the laboratory on 10/16/17 13:05.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/16/2017	Sampling Date:	10/13/2017
Reported:	10/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 1 @ SUR (H702786-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2017	ND	1.85	92.7	2.00	0.911	
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732	
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740	
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313	
Total BTX	<0.300	0.300	10/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	10/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 66.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 71.6 % 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: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H702786-02)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	10/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 78.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.7 % 34.7-157

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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:	10/16/2017	Sampling Date:	10/13/2017
Reported:	10/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 1 @ 2' (H702786-03)

Chloride, SM4500Cl-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	10/19/2017	ND	448	112	400	3.51		

Sample ID: SP 1 @ 3' (H702786-04)

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	10/19/2017	ND	448	112	400	3.51	

Sample ID: SP 1 @ 8' (H702786-05)

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	10/19/2017	ND	448	112	400	3.51		

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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: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ SUR (H702786-06)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 60.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 61.8 % 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: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H702786-07)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 83.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.9 % 34.7-157

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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:	10/16/2017	Sampling Date:	10/13/2017
Reported:	10/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 2 @ 2' (H702786-08)

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	10/19/2017	ND	448	112	400	3.51	

Sample ID: SP 2 @ 3' (H702786-09)

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	10/19/2017	ND	448	112	400	3.51		

Sample ID: SP 2 @ 8' (H702786-10)

Chloride, SM4500Cl-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	10/19/2017	ND	448	112	400	3.51		

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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: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ SUR (H702786-11)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	80.0	16.0	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 74.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 69.7 % 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: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H702786-12)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 80.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.2 % 34.7-157

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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:	10/16/2017	Sampling Date:	10/13/2017
Reported:	10/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 3 @ 2' (H702786-13)

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	10/19/2017	ND	448	112	400	3.51		

Sample ID: SP 3 @ 3' (H702786-14)

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	10/19/2017	ND	448	112	400	3.51	

Sample ID: SP 3 @ 8' (H702786-15)

Chloride, SM4500Cl-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	10/19/2017	ND	448	112	400	3.51		

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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: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ SUR (H702786-16)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 57.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 59.3 % 34.7-157

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Analytical Results For:

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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1' (H702786-17)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTX	<0.300	0.300	10/18/2017	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	32.0	16.0	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 75.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.2 % 34.7-157

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Analytical Results For:

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Received:	10/16/2017	Sampling Date:	10/13/2017
Reported:	10/20/2017	Sampling Type:	Soil
Project Name:	SKELLY #952	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SP 4 @ 2' (H702786-18)

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	10/19/2017	ND	448	112	400	3.51		

Sample ID: SP 4 @ 3' (H702786-19)

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	10/19/2017	ND	448	112	400	3.51		

Sample ID: SP 4 @ 8' (H702786-20)

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	10/19/2017	ND	448	112	400	3.51		

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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: N @ SUR (H702786-21)

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	10/18/2017	ND	1.85	92.7	2.00	0.911	
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732	
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740	
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313	
Total BTX	<0.300	0.300	10/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	10/19/2017	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 78.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.5 % 34.7-157

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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: E 1 @ SUR (H702786-22)

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	10/18/2017	ND	1.85	92.7	2.00	0.911	
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732	
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740	
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313	
Total BTX	<0.300	0.300	10/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	16.0	16.0	10/19/2017	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					

Surrogate: 1-Chlorooctane 77.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.7 % 34.7-157

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Analytical Results For:

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 P.O. Box 805
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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: E 2 @ SUR (H702786-23)

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	10/18/2017	ND	1.85	92.7	2.00	0.911	
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732	
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740	
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313	
Total BTX	<0.300	0.300	10/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	16.0	16.0	10/20/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/17/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2017	ND					

Surrogate: 1-Chlorooctane 78.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.6 % 34.7-157

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 Hobbs NM, 88241
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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S @ SUR (H702786-24)

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	10/18/2017	ND	1.85	92.7	2.00	0.911		
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732		
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740		
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313		
Total BTEx	<0.300	0.300	10/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	16.0	16.0	10/20/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/17/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2017	ND					

Surrogate: 1-Chlorooctane 78.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.7 % 34.7-157

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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 2 @ SUR (H702786-25)

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	10/18/2017	ND	1.85	92.7	2.00	0.911	
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732	
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740	
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313	
Total BTX	<0.300	0.300	10/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	10/20/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/17/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2017	ND					

Surrogate: 1-Chlorooctane 84.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.1 % 34.7-157

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Received: 10/16/2017
 Reported: 10/20/2017
 Project Name: SKELLY #952
 Project Number: NONE GIVEN
 Project Location: CHEVRON - EDDY CO NM

Sampling Date: 10/13/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 1 @ SUR (H702786-26)

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	10/18/2017	ND	1.85	92.7	2.00	0.911	
Toluene*	<0.050	0.050	10/18/2017	ND	1.66	82.8	2.00	0.732	
Ethylbenzene*	<0.050	0.050	10/18/2017	ND	1.69	84.7	2.00	0.740	
Total Xylenes*	<0.150	0.150	10/18/2017	ND	5.12	85.3	6.00	0.313	
Total BTEX	<0.300	0.300	10/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	<16.0	16.0	10/20/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2017	ND	192	96.0	200	1.61	
DRO >C10-C28	<10.0	10.0	10/17/2017	ND	205	103	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2017	ND					

Surrogate: 1-Chlorooctane 61.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 64.9 % 34.7-157

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", is written in black ink.

Celey D. Keene, Lab Director/Quality Manager



404 CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company: <i>BBC</i>																			
City: Hobbs										Attn:																			
State: NM Zip: 88241										Address:																			
Phone #: 575-397-6388										City:																			
Fax #: 575-397-0397										State: Zip:																			
Project #: Project Owner: <i>Cherokee</i>										Phone #:																			
Project Name: <i>Skelly #952</i>										Fax #:																			
Project Location: <i>Eddy County</i>																													
Sampler Name: <i>Jeff Ornelas</i>																													
FOR LAB USE ONLY																													
Lab I.D.										Sample I.D.																			
<div style="text-align: right;"> <i>4702786</i> 1 SP10 Sur 2 SP10 1 3 SP10 2 4 SP10 3 5 SP10 8 6 SP20 Sur 7 SP20 1 8 SP20 2 9 SP20 3 10 SP20 8 </div>										(G)RAB OR (C)OMP.																			
										# CONTAINERS																			
										GROUNDWATER																			
										WASTEWATER																			
										SOIL																			
										OIL																			
										SLUDGE																			
										OTHER :																			
										ACID/BASE:																			
										ICE / COOL																			
										OTHER :																			
										DATE										TIME									
										<i>10/13/17</i>										<i>9:30</i>									
																				<i>9:41</i>									
																				<i>9:57</i>									
																				<i>10:09</i>									
																				<i>10:22</i>									
																				<i>10:40</i>									
																				<i>10:55</i>									
																				<i>11:12</i>									
																				<i>11:30</i>									
																				<i>11:45</i>									

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Relinquished By: <i>Julie Henry</i>										Date: <i>10/13/17</i>										Received By: <i>Julie Henry</i>										Date: <i>10/13/17</i>									
Relinquished By: <i>Julie Henry</i>										Time: <i>3:30</i>										Received By: <i>Julie Henry</i>										Time: <i>11:45</i>									
Delivered By: (Circle One) <i>2.7c</i>										Sample Condition										CHECKED BY: <i>HC</i>																			
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																																							
Sampler - UPS - Bus - Other: <i>2.95c</i>																																							

REMARKS:

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

**CARDINAL LABORATORIES**

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																	
Project Manager: Cliff Brunson		P.O. #:																			
Address: P.O. Box 805		Company: <i>BBC</i>																			
City: Hobbs		Attn:																			
State: NM Zip: 88241		Address:																			
Phone #: 575-397-6388		City:																			
Fax #: 575-397-0397		State:																			
Project #:		Zip:																			
Project Name: <i>Skelly #952</i>		Phone #:																			
Project Location:		Fax #:																			
Sample Name: <i>72H Granules</i>																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING													
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME								
11	SP3 @ Sur	5	1	✓				✓			10:13-17	12:32	✓	✓							
12	SP3 @ 1	5	1	✓				✓			12:14-18	2:32	✓	✓							
13	SP3 @ 2	5	1	✓				✓			11:00	1:00	✓	✓							
14	SP3 @ 3	5	1	✓				✓			11:15	1:15	✓	✓							
15	SP3 @ 8	5	1	✓				✓			1:29	1:29	✓	✓							
16	SP3 @ Sur	5	1	✓				✓			11:48	1:48	✓	✓							
17	SP3 @ 1	5	1	✓				✓			2:04	2:04	✓	✓							
18	SP3 @ 2	5	1	✓				✓			2:14	2:14	✓	✓							
19	SP3 @ 3	5	1	✓				✓			2:34	2:34	✓	✓							
20	SP3 @ 8	5	1	✓				✓			2:40	2:40	✓	✓							

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Relinquished By: <i>John D. [Signature]</i>	Date: <i>10/13/17</i>	Received By: <i>John D. [Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>John D. [Signature]</i>	Date: <i>10/13/17</i>	Received By: <i>John D. [Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS:				

Delivered By: (Circle One) *2.7°C* / *2.95°C* Sample Condition: *Holdy carbon*
 Cooler Intact: ☒ Yes ☐ No
 Cooler Dry: ☒ Yes ☐ No
 Sample - UPS - Bus - Other: *HC*

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

#75

corrected to 2.85°C

2047



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

From: Cliff Brunson
To: ["Kathy Purvis"](#)
Subject: FW: RE: RE: CHEVRON LEAK PICTURES
Date: Monday, January 22, 2018 8:41:59 AM
Attachments: [image001.png](#)

Here is the approval email chain for the Skelly 952

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



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From: Tucker, Shelly [<mailto:stucker@blm.gov>]
Sent: Monday, November 27, 2017 2:58 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: DeLeon, Josepha <JDxD@chevron.com>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Debeysey, Svetlana <LDebeysey@chevron.com>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>; Cliff Brunson <cbrunson@bbcinternational.com>; jamos@blm.gov; Morales, Tony, EMNRD <Tony.Morales@state.nm.us>
Subject: Re: RE: RE: CHEVRON LEAK PICTURES

BLM concurs with NMOCD approval.

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 Thu, Nov 2, 2017 at 3:21 PM, Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> wrote:

RE: Chevron USA Inc. * Skelly Unit 952 * 2RP-4445 * DOR: 7/10/17

Greetings,

The remediation proposal submitted for the above referenced release is approved by OCD. Federal sites will require like approval from BLM. Please advise once remedial activities have been scheduled.

PLEASE NOTE: The Initial C-141 submitted for this release, listed the Volume of Release as 0.03 bbls, based on Ms. Debeysey's calculation, assuming 1/8" penetration. Given that impact at the release site has been determined to be greater than 13', **please resubmit the Initial C-141 listing a more realistic release volume.**

If you have any questions or concerns, please contact me.

Thank you,

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: DeLeon, Josepha [mailto:JDxD@chevron.com]

Sent: Thursday, October 26, 2017 10:26 AM

To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; 'Tucker, Shelly' <stucker@blm.gov>

Cc: Debeysey, Svetlana <LDebeysey@chevron.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>; Cliff Brunson <cbrunson@bbcinternational.com>; jamos@blm.gov

Subject: RE: RE: RE: CHEVRON LEAK PICTURES

Importance: High

Crystal / Shelly, as requested attached is the workplan for Skelly 952 from BBC.
Upon approval, please send email approval.

Josie DeLeon, HES Specialist -

Compliance Support - Environmental

Chevron - MCBU

(New Mexico, East Texas and Ft. Stockton Areas)

[1616 W. Bender Blvd.](#)

[Hobbs, NM 88240](#)

[575-263-0424](#)

432-425-1528 - cell

jdx@chevron.com



From: Weaver, Crystal, EMNRD [mailto:Crystal.Weaver@state.nm.us]

Sent: Wednesday, October 18, 2017 12:31 PM

To: DeLeon, Josepha <JDxD@chevron.com>; Cliff Brunson <cbrunson@bbcinternational.com>

Cc: Tucker, Shelly <stucker@blm.gov>; Debeysey, Svetlana <LDebeysey@chevron.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>

Subject: [****EXTERNAL****] RE: RE: RE: CHEVRON LEAK PICTURES

Josie,

We can wait till BBC has drafted their work plan but this site was identified back on July 11, 2017 so ample time has been allotted. OCD requests that the said work plan be remitted by no later than 10/31/17 via electronic submission for OCD and BLM to review.

Thank you,

Crystal Weaver

Environmental Specialist

OCD – Artesia District II

811 S. 1st Street

Artesia, NM 88210

Office: 575-748-1283 ext. 101

Cell: 575-840-5963

Fax: 575-748-9720

From: DeLeon, Josepha [<mailto:JDxD@chevron.com>]

Sent: Wednesday, October 18, 2017 12:03 PM

To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Cliff Brunson <cbrunson@bbcinternational.com>

Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Tucker, Shelly <stucker@blm.gov>; Debeysey, Svetlana <LDebeysey@chevron.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>

Subject: Re: RE: RE: CHEVRON LEAK PICTURES

Crystal please advise if this is sufficient or if you need results from September 13th and 14th??

Sent from my iPhone

On Oct 18, 2017, at 11:51 AM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Crystal and Shelly,

BBC has collected samples at this site on September 13 and 14 and went back on October 13 to collect more. We are currently awaiting the lab results for the latest round of sampling. When we receive the results, BBC and Chevron will create a workplan to present to the OCD and BLM. We will be in contact to set up a discussion with you when the workplan is ready for submission.

If you have any further questions, please let us 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:
[1324 W. Marland St.](#)
[Hobbs, NM 88240](#) USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com
<image001.jpg>

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From: DeLeon, Josepha [<mailto:JDxD@chevron.com>]

Sent: Wednesday, October 18, 2017 12:29 PM

To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Cliff Brunson <cbrunson@bbcinternational.com>

Cc: Tucker, Shelly <stucker@blm.gov>; Debeyessey, Svetlana <LDebeyessey@chevron.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>

Subject: Re: RE: CHEVRON LEAK PICTURES

Crystal, I will let Cliff respond on update to results as we have not received any yet.

Cliff, please advise ASAP.

Sent from my iPhone

On Oct 18, 2017, at 8:58 AM, Weaver, Crystal, EMNRD
<Crystal.Weaver@state.nm.us> wrote:

Chevron * Skelly Unit #952 * 30-015-32895

Josie,

Both the BLM and OCD have previously asked for a status update on this spill. I believe Chevron had stated that lab sample results were available for this site please submit those and any other info/data that has been gathered for this site thus far, by the close of business 10/19/17.

Thank you,

Crystal Weaver

Environmental Specialist

OCD – Artesia District II

811 S. 1st Street

Artesia, NM 88210

Office: 575-748-1283 ext. 101

Cell: 575-840-5963

Fax: 575-748-9720

From: Tucker, Shelly [<mailto:stucker@blm.gov>]

Sent: Thursday, September 28, 2017 10:11 AM

To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>

Cc: Debeysey, Svetlana <LDebeysey@chevron.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; DeLeon, Josepha <JDxD@chevron.com>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>

Subject: Re: CHEVRON LEAK PICTURES

What is the status of this release?

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

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On Thu, Sep 7, 2017 at 2:42 PM, Weaver, Crystal, EMNRD
<Crystal.Weaver@state.nm.us> wrote:

Josie,

Any update on the delineation of this location? The last email that I have regarding this release is the one below that appears to be from back on July 25, 2017.

Thanks,

Crystal Weaver

Environmental Specialist

OCD – Artesia District II

811 S. 1st Street

Artesia, NM 88210

Office: 575-748-1283 ext. 101

Cell: 575-840-5963

Fax: 575-748-9720

From: Debeyessey, Svetlana [mailto:LDebeyessey@chevron.com]

Sent: Tuesday, July 25, 2017 3:04 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; DeLeon, Josepha <JDxD@chevron.com>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Tucker, Shelly <stucker@blm.gov>; Morales, Tony, EMNRD <Tony.Morales@state.nm.us>

Cc: Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>

Subject: RE: CHEVRON LEAK PICTURES

Mr. Bratcher,

Josie DeLeon is coordinating the delineation work as requested by OCD. The results will be submitted as soon as possible. We understand that C-141 submitted today is for the record only.

Thank you,

Lana Debeyessey

Field HES Compliance Supervisor

MCBU Midland

O: 432-687-7234

M: 432-258-9584

E-Mail: LDebeyessey@chevron.com

[Your CSOC feedback would be appreciated. This feedback will help me have a better understanding of my leadership and CSOC behaviours strengths and improvement opportunities.](#)

From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]

Sent: Tuesday, July 25, 2017 3:55 PM

To: DeLeon, Josepha <JDxD@chevron.com>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Tucker, Shelly <stucker@blm.gov>; Morales, Tony, EMNRD <Tony.Morales@state.nm.us>

Cc: Debeysey, Svetlana <LDebeysey@chevron.com>; Lovell, Danny (LOVD) <LOVD@chevron.com>; Davis, Allen <DAVISAR@chevron.com>; Purcell, Christopher <ChristopherPurcell@chevron.com>; Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>

Subject: [**EXTERNAL**] RE: CHEVRON LEAK PICTURES

Ms. DeLeon,

Please see my email to Ms. Debeysey below. I have requested a delineation of the site to determine if a C-141 will be required (and as a guide for remediation requirements). OCD will accept for record only, the C-141 you have submitted today, as the reported release volume of .03 bbls of produced water, is questionable at this time. Please make arrangements to have the delineation done not later than Friday, August 4, 2017 and coordinate the event with the District 2 office.

If you have any questions or concerns, please contact me.

Thank you,

Mike Bratcher
NMOCD District 2
[811 South First Street](#)
[Artesia NM 88210](#)
[575-748-1283 Ext 108](#)
mike.bratcher@state.nm.us

From: DeLeon, Josepha [<mailto:JDxD@chevron.com>]

Sent: Tuesday, July 25, 2017 1:13 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Tucker, Shelly

<stucker@blm.gov>; Morales, Tony, EMNRD
<Tony.Morales@state.nm.us>
Cc: Debeysey, Svetlana <LDebeysey@chevron.com>; Lovell, Danny
(LOVD) <LOVD@chevron.com>; Davis, Allen
<DAVISAR@chevron.com>; Purcell, Christopher
<ChristopherPurcell@chevron.com>
Subject: RE: CHEVRON LEAK PICTURES

As requested, attached is the C-141 for the spill at Skelly
Unit #952.

*Josie DeLeon, HES Specialist -
Compliance Support - Environmental*
Chevron - MCBU
(New Mexico, East Texas and Ft. Stockton Areas)
[1616 W. Bender Blvd.](#)
[Hobbs, NM 88240](#)
[575-263-0424](#)
432-425-1528 - cell
jdx@chevron.com

From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]
Sent: Tuesday, July 25, 2017 7:10 AM
To: Debeysey, Svetlana <LDebeysey@chevron.com>; Weaver,
Crystal, EMNRD <Crystal.Weaver@state.nm.us>; DeLeon, Josepha
<JDXD@chevron.com>
Cc: stucker@blm.gov; Morales, Tony, EMNRD
<Tony.Morales@state.nm.us>
Subject: [**EXTERNAL**] RE: CHEVRON LEAK PICTURES

Ms. Debeysey,

I think you will find that your calculation of 1/8" penetration will
be incorrect. The area of the release is sand, and acts like a
sponge for fluids. Per OCD rules and guidelines, all produced
fluid releases require remediation, regardless of volume
released. At this time OCD requests a **complete** vertical and
horizontal delineation for BTEX, TPH and Chloride. Laboratory
test methods are to be EPA 8021 for BTEX, 8015 Extended Range
for TPH and Method 300 for total chloride. Once this data has
been obtained, we can better calculate the volume to
determine if a C-141 is required to be submitted to OCD. A

proposal for remediation will be required regardless of the volume estimate. Please schedule this sample event as soon as possible and advise us once it has been scheduled. I believe this release occurred on Federal surface, off pad, so BLM may have different reporting requirements.

If you have any questions or concerns, please contact me or Crystal.

Thank you,

Mike Bratcher
NMOCD District 2
[811 South First Street](#)
[Artesia NM 88210](#)
[575-748-1283 Ext 108](#)
mike.bratcher@state.nm.us

From: Debeysey, Svetlana [<mailto:LDebeysey@chevron.com>]
Sent: Monday, July 24, 2017 5:23 PM
To: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>;
DeLeon, Josepha <JDXD@chevron.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>;
stucker@blm.gov; Morales, Tony, EMNRD
<Tony.Morales@state.nm.us>
Subject: RE: CHEVRON LEAK PICTURES

Crystal,

My name is Lana Debeysey, HES Compliance Supervisor for Chevron in Mid-Continent Business Unit for Chevron. I am also Josie DeLeon supervisor with whom you were communicating regarding the spill that occurred at the produced water injection location Skelly 952. I would like to follow up on your email below. I have attached calculations, assumptions and a rough diagram depicting the spill field measurements that our field personnel completed on site. Based on the field measurements and calculations with a conservative assumptions (

e.g. 4 feet average rather than 2 feet average for section A in the attached diagram) the spill volume of 0.03 bbl is well below the reporting thresholds specified in 19.15.7 NMAC – Rp. 19.15.3.116 NMAC 12/1/08. The pictures could be quite deceiving and we asked the field personnel to go out second time and take the measurement again. The outcome has not changed after the 2nd take on the measurements.

Our commitment and mandate is to comply with regulatory requirements and, given the volumes estimated on the double checked field measurements, we would like to also double check and confirm with you if you still need us to submit C-141 for this spill. Please advise,

Given the due date for C-141 submittal if we do not hear from you tomorrow July 25th. We will submit C-141 with a disclaimer that the form was requested by NMOCD. Lastly, we will follow up on your request regarding 2013 case shortly.

Sincerely,

Lana Debeysey
Field HES Compliance Supervisor
MCBU Midland
O: 432-687-7234
M: 432-258-9584
E-Mail: LDebeysey@chevron.com

Your CSOC feedback would be appreciated. This feedback will help me have a better understanding of my leadership and CSOC behaviours strengths and improvement opportunities.

From: Weaver, Crystal, EMNRD
[mailto:Crystal.Weaver@state.nm.us]
Sent: Friday, July 21, 2017 4:07 PM
To: DeLeon, Josepha <JDxD@chevron.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>;
stucker@blm.gov; Morales, Tony, EMNRD
<Tony.Morales@state.nm.us>; Debeyessey, Svetlana
<LDebeyessey@chevron.com>; Meaux, Luke
<LukeMeaux@chevron.com>; Leonard, Nicklois L
<Nicklois.Leonard@chevron.com>
Subject: [**EXTERNAL**] RE: CHEVRON LEAK PICTURES

Josepha,

I have received your voicemail you left me on 7/17/17 where you stated Chevron believes the spill to be less than 5bbls and that is was quote, "all water". Not sure what that "all water" portion of your statement means, however, I am sure that OCD is still going to request a form C-141 be turned in for this release. I have coordinated information from our inspector's assessment of the release site, as well my own assessment of what is visible from the photos taken, and based on those assessments OCD has determined that this spill is deemed as a reportable spill. Also in your voicemail you stated that you were notified of the spill on 7/10/17 and upon verification of our records I found that was in fact the actual date that our inspector was out there. Therefore, 15 days from the date the release was identified would mean please submit a form C-141 to the OCD Artesia, District II Office no later than, **July 25, 2017**. Following that documentation OCD will submit to Chevron a Conditions of Approval document (COA) which will provide information regarding delineation and remediation expectations.

Please note: I also have an active case number of 2RP-2087 for a release that occurred at this same site location back on 11/19/13. OCD provided approval for remediation on 3/10/14 and that is the last item we have on record for this release (I attached OCD's approval email). Please provide an update on this release.

If you have any questions or concerns please contact myself or Mike

Bratcher here at the OCD District II Office.

Crystal Weaver

Environmental Specialist

OCD – Artesia District II

811 S. 1st Street

Artesia, NM 88210

Office: [575-748-1283](tel:575-748-1283) ext. 101

Cell: [575-840-5963](tel:575-840-5963)

Fax: [575-748-9720](tel:575-748-9720)

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

From: Weaver, Crystal, EMNRD

Sent: Friday, July 14, 2017 4:17 PM

To: 'DeLeon, Josepha' <JDXD@chevron.com>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>;
stucker@blm.gov; Morales, Tony, EMNRD
<Tony.Morales@state.nm.us>

Subject: FW: CHEVRON LEAK PICTURES

Chevron * Skelly Unit #952 * 30-015-32895

Josepha,

I am not sure if you are the correct person to send this to, but an OCD Inspector came across a release out at Skelly Unit #952 on 7/11/17. It appears to be a leak that has spread out within the pasture area. Please submit a Form C-141 for reporting on this

release. Following documentation a delineation of the site as well as a proposal for remediation will be required. A representative of the Bureau of Land Management (BLM) has been copied on this correspondence, as records reflect the site being situated on BLM administered surface.

If you have any questions or concerns, please contact myself or Mike Bratcher here at the District II Office.

Crystal Weaver

Environmental Specialist

OCD – Artesia District II

[811 S. 1st Street](#)

[Artesia, NM 88210](#)

[Office: 575-748-1283 ext. 101](#)

Cell: 575-840-5963

Fax: 575-748-9720

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

From: Morales, Tony, EMNRD

Sent: Tuesday, July 11, 2017 3:16 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>;
Morales, Tony, EMNRD <Tony.Morales@state.nm.us>

Subject: CHEVRON LEAK PICTURES

FYI

MR. MIKE BRATCHER

ADDENDUM - CHEVRON USA INC PICTURES

TONY MORALES, COMPLIANCE OFFICER

[811 S. FIRST STREET](#)

[ARTESIA NM 88210](#)

[OFFICE: \(575\)](#) 748-1283 EXT. 106

CELLULAR: (575) 703-0233

FAX: (575) 748-9720

E-MAIL: Tony.Morales@state.nm.us

Your message is ready to be sent with the following file or link attachments:

DSC00959 (1).jpg

DSC00960 (1).jpg

DSC00961 (1).jpg

DSC00962 (1).jpg

DSC00963 (1).jpg

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.













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1625 N. French Dr., Hobbs, NM 88240
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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 61786

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 61786
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/31/2022