

APPROVED

By CHernandez at 5:21 pm, Aug 30, 2018

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

NMOCD approves of the delineation completed and proposed remediation for **1RP-5093** with these conditions: Both bottom and sidewall confirmation samples are required at no greater than 50 ft. intervals. Marked confirmation sample locations in relation to delineation sample locations on a scaled map. Dated photo documentation of the remediation process.

DELINEATION WORKPLAN

CHEVRON – MONUMENT 1 STATE #015

(Leak Date: 05/31/17)

RP # 1RP-5093

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-5093.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

Chevron will remediate the spill area as depicted on the following site diagram. The entire leak area (blue shade on diagram) will be excavated to a depth of 1.5 feet.





The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

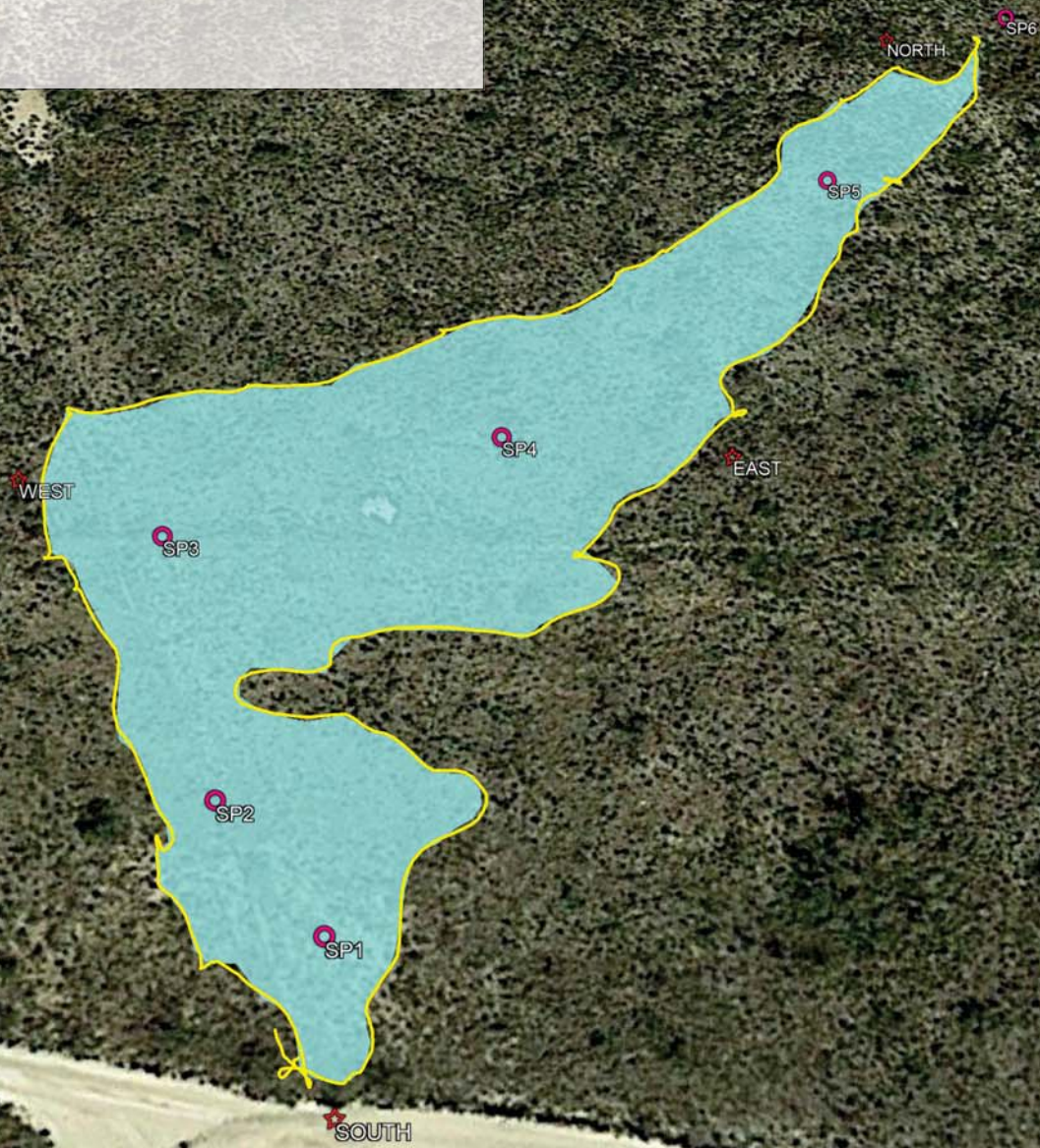
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Chevron, Monument 1 State #015

Leak date: 05/31/2018
Lea County, NM
API# 30-025-34167
1RP-5093

Legend

-  1.5 ft Excavation across entire leak
-  area Cardinal sample points
-  Leak Area, Monument 1 State #015
-  Sample points



Google Earth

© 2018 Google

100 ft



New Mexico State Land Office Revegetation and Noxious Weed Management Plan

Chevron – Monument 1 State #015

Revegetation Plan

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season, the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful, as determined by the State Land Office. The seed will be spread by either using a hand-held broadcaster or tractor-mounted broadcaster and the area will be raked or dragged to cover the seed. If the seed will be broadcast, the pounds per acre will be double over the amount used by drill planting.

The seed mixture will be the appropriate mixture for the specific site and planted in the required amounts of pounds pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered and will not contain primary or secondary noxious weeds.

Gamma grass – 40% - 3.0 lbs. PLS

Buffalo grass – 40% - 3.0 lbs. PLS

Side oats – 10% - 1.0% lbs. PLS

Four wing Salt bush – 10% - 3.0 lbs. PLS

Noxious Weed Management Plan

The site will be visited to assess the establishment of vegetative growth. Personnel performing the site visit will also look for the presence of noxious weeds at the site as indicated on the New Mexico Noxious Weeds List specified on the United States Department of Agriculture website. If a noxious weed is observed at the site, the NMSLO will be contacted to determine the most effective manner to eradicate it.

Chevron, Monument 1 State #015

Sample points

SP1, N 32.67664 W-103.30906

SP2, N 32.67674 W-103.30915

SP3, N 32.67695 W-103.30923

SP4, N 32.67703 W-103.30894

SP5, N 32.67729 W-103.30864

SP6, N 32.67748 W-103.30845

NORTH, N 32.67744 W-103.30857

SOUTH, N 32.67651 W-103.30904

EAST, N 32.67702 W-103.30873

WEST, N 32.67699 W-103.30936

Chevron, Monument 1 State #015

U/L F, Section 12, T19S, R36E

Groundwater: 50'-75'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 03557	L	LE		3	3	1	07	19S	37E	659568	3616641*	1107	143	52	91
L 00119 POD2	L	LE		2	2	1	13	19S	36E	658584	3615611*	1117	125		
L 02096	L	LE		4	4	12	19S	36E	659282	3615928*	1140	110	40	70	
L 00243 POD2	L	LE		1	1	1	13	19S	36E	657981	3615604*	1217	110	90	20
L 02158	L	LE		1	4	11	19S	36E	657262	3616301*	1272	105	55	50	
L 04324	L	LE		1	4	01	19S	36E	658843	3617938*	1273	110	40	70	
L 00564	L	LE		1	3	3	07	19S	37E	659583	3616034*	1314	142		
L 02601	L	LE		3	3	06	19S	37E	659655	3617548*	1450	115	60	55	
L 00244 POD2	L	LE		2	4	1	13	19S	36E	658591	3615207*	1520	110		
L 05611 POD5	L	LE		1	1	1	18	19S	37E	659590	3615631*	1568	134	35	99
L 02695	L	LE		3	4	3	06	19S	37E	659946	3617446*	1650	100	50	50

Average Depth to Water: **52 feet**

Minimum Depth: **35 feet**

Maximum Depth: **90 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 658463

Northing (Y): 3616722

Radius: 1700

*UTM location was derived from PLSS - see Help

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.

Public Land Survey System (PLSS)

☒ Q64: Q16: SE Q4: NW Sec: 12 Tws: 19S Rng: 36E

State Plane Coordinate System - NAD27

☐ X: 0 ft Y: 0 ft Zone:

State Plane Coordinate System - NAD83

☐ X: 0 ft Y: 0 ft Zone:

Degrees/Minutes/Seconds

☐ Longitude (X): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "

Latitude (Y): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "

UTM - NAD27

☐ Easting (X): 0 mtrs Northing (Y): 0 mtrs Zone:

SUBMIT**All Conversion Results are displayed as NAD 1983 UTM Zone 13**Easting (X): 658463.0 mtrsNorthing (Y): 3616722.0 mtrs**~~ Please keep screen open to copy UTM values for Reports. ~~**

Laboratory Analytical Results Summary
Monument 1 State #015

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		0.054	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		26000	1440	16
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		64	<10.0	n/a
EXT DRO	TPH 8015M		34.2	<10.0	n/a

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		0.078	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		28000	1920	32
GRO	TPH 8015M		<50.0	<10.0	n/a
DRO	TPH 8015M		5400	436	n/a
EXT DRO	TPH 8015M		1750	132	n/a

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		32000	3440	48
GRO	TPH 8015M		<50.0	<10.0	n/a
DRO	TPH 8015M		5290	123	n/a
EXT DRO	TPH 8015M		1590	36.5	n/a

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		28000	1400	48
GRO	TPH 8015M		<50.0	<10.0	n/a
DRO	TPH 8015M		2290	11.6	n/a
EXT DRO	TPH 8015M		599	<10.0	n/a

		Sample ID	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		0.053	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		21600	3560	48
GRO	TPH 8015M		<50.0	<10.0	n/a
DRO	TPH 8015M		7210	14.7	n/a
EXT DRO	TPH 8015M		1710	<10.0	n/a

		Sample ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		0.065	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		18400	1460	48
GRO	TPH 8015M		<50.0	<10.0	n/a
DRO	TPH 8015M		2840	19.4	n/a
EXT DRO	TPH 8015M		724	<10.0	n/a

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	SOUTH @ SURFACE	WEST @ SURFACE
Analyte	Method	Date	7/2/18	7/2/18	7/2/18	7/2/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48	64	64	80
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

July 09, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MONUMENT 1 STATE #015

Enclosed are the results of analyses for samples received by the laboratory on 07/05/18 11:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/05/2018	Sampling Date:	07/02/2018
Reported:	07/09/2018	Sampling Type:	Soil
Project Name:	MONUMENT 1 STATE #015	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO NM		

Sample ID: SP 1 @ SURFACE (H801824-01)

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	07/06/2018	ND	1.72	85.8	2.00	1.61	
Toluene*	0.054	0.050	07/06/2018	ND	1.71	85.7	2.00	1.32	
Ethylbenzene*	<0.050	0.050	07/06/2018	ND	1.70	84.9	2.00	0.619	
Total Xylenes*	<0.150	0.150	07/06/2018	ND	5.31	88.4	6.00	0.420	
Total BTEX	<0.300	0.300	07/06/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.8-142

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	07/06/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2018	ND	185	92.5	200	5.77	
DRO >C10-C28*	64.0	10.0	07/05/2018	ND	210	105	200	2.11	
EXT DRO >C28-C36	34.2	10.0	07/05/2018	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 96.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 1' (H801824-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2018	ND	1.72	85.8	2.00	1.61	
Toluene*	<0.050	0.050	07/06/2018	ND	1.71	85.7	2.00	1.32	
Ethylbenzene*	<0.050	0.050	07/06/2018	ND	1.70	84.9	2.00	0.619	
Total Xylenes*	<0.150	0.150	07/06/2018	ND	5.31	88.4	6.00	0.420	
Total BTEX	<0.300	0.300	07/06/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	07/06/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	185	92.5	200	5.77	
DRO >C10-C28*	<10.0	10.0	07/06/2018	ND	210	105	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.0 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H801824-03)

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	07/06/2018	ND	416	104	400	3.77		

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Received:	07/05/2018	Sampling Date:	07/02/2018
Reported:	07/09/2018	Sampling Type:	Soil
Project Name:	MONUMENT 1 STATE #015	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO NM		

Sample ID: SP 2 @ SURFACE (H801824-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/06/2018	ND	1.72	85.8	2.00	1.61		
Toluene*	0.078	0.050	07/06/2018	ND	1.71	85.7	2.00	1.32		
Ethylbenzene*	<0.050	0.050	07/06/2018	ND	1.70	84.9	2.00	0.619		
Total Xylenes*	<0.150	0.150	07/06/2018	ND	5.31	88.4	6.00	0.420		
Total BTEX	<0.300	0.300	07/06/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28000	16.0	07/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/06/2018	ND	185	92.5	200	5.77	S-06
DRO >C10-C28*	5400	50.0	07/06/2018	ND	210	105	200	2.11	S-06
EXT DRO >C28-C36	1750	50.0	07/06/2018	ND					S-06

Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 313 % 37.6-147

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*=Accredited Analyte

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Received:	07/05/2018	Sampling Date:	07/02/2018
Reported:	07/09/2018	Sampling Type:	Soil
Project Name:	MONUMENT 1 STATE #015	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO NM		

Sample ID: SP 2 @ 1' (H801824-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2018	ND	1.72	85.8	2.00	1.61	
Toluene*	<0.050	0.050	07/06/2018	ND	1.71	85.7	2.00	1.32	
Ethylbenzene*	<0.050	0.050	07/06/2018	ND	1.70	84.9	2.00	0.619	
Total Xylenes*	<0.150	0.150	07/06/2018	ND	5.31	88.4	6.00	0.420	
Total BTEX	<0.300	0.300	07/06/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	07/06/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	185	92.5	200	5.77	
DRO >C10-C28*	436	10.0	07/06/2018	ND	210	105	200	2.11	
EXT DRO >C28-C36	132	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 91.1 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 2' (H801824-06)

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	07/06/2018	ND	416	104	400	3.77		

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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:	07/05/2018	Sampling Date:	07/02/2018
Reported:	07/09/2018	Sampling Type:	Soil
Project Name:	MONUMENT 1 STATE #015	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO NM		

Sample ID: SP 3 @ SURFACE (H801824-07)

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	07/06/2018	ND	1.72	85.8	2.00	1.61	
Toluene*	<0.050	0.050	07/06/2018	ND	1.71	85.7	2.00	1.32	
Ethylbenzene*	<0.050	0.050	07/06/2018	ND	1.70	84.9	2.00	0.619	
Total Xylenes*	<0.150	0.150	07/06/2018	ND	5.31	88.4	6.00	0.420	
Total BTX	<0.300	0.300	07/06/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32000	16.0	07/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/06/2018	ND	197	98.4	200	9.27	S-06
DRO >C10-C28*	5290	50.0	07/06/2018	ND	210	105	200	5.81	S-06, QM-07
EXT DRO >C28-C36	1590	50.0	07/06/2018	ND					S-06

Surrogate: 1-Chlorooctane 93.3 % 41-142

Surrogate: 1-Chlorooctadecane 292 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 1' (H801824-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTEx	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	07/06/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	123	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	36.5	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 2' (H801824-09)

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	07/06/2018	ND	416	104	400	3.77		

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ SURFACE (H801824-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTEx	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	28000	16.0	07/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/06/2018	ND	197	98.4	200	9.27	S-06
DRO >C10-C28*	2290	50.0	07/06/2018	ND	210	105	200	5.81	S-06
EXT DRO >C28-C36	599	50.0	07/06/2018	ND					S-06

Surrogate: 1-Chlorooctane 99.5 % 41-142

Surrogate: 1-Chlorooctadecane 166 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 1' (H801824-11)

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	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTEx	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1400	16.0	07/06/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	11.6	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 83.0 % 41-142

Surrogate: 1-Chlorooctadecane 85.7 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 2' (H801824-12)

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	07/06/2018	ND	416	104	400	3.77	

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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:	07/05/2018	Sampling Date:	07/02/2018
Reported:	07/09/2018	Sampling Type:	Soil
Project Name:	MONUMENT 1 STATE #015	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO NM		

Sample ID: SP 5 @ SURFACE (H801824-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2018	ND	1.63	81.3	2.00	21.9		
Toluene*	0.053	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1		
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7		
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9		
Total BTEx	<0.300	0.300	07/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21600	16.0	07/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/06/2018	ND	197	98.4	200	9.27	S-06
DRO >C10-C28*	7210	50.0	07/06/2018	ND	210	105	200	5.81	S-06
EXT DRO >C28-C36	1710	50.0	07/06/2018	ND					S-06

Surrogate: 1-Chlorooctane 85.5 % 41-142

Surrogate: 1-Chlorooctadecane 360 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 1' (H801824-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2018	ND	1.63	81.3	2.00	21.9		
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1		
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7		
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9		
Total BTEx	<0.300	0.300	07/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3560	16.0	07/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	14.7	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 88.5 % 41-142

Surrogate: 1-Chlorooctadecane 91.3 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 2' (H801824-15)

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	07/06/2018	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/05/2018	Sampling Date:	07/02/2018
Reported:	07/09/2018	Sampling Type:	Soil
Project Name:	MONUMENT 1 STATE #015	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA CO NM		

Sample ID: SP 6 @ SURFACE (H801824-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2018	ND	1.63	81.3	2.00	21.9		
Toluene*	0.065	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1		
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7		
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9		
Total BTEx	<0.300	0.300	07/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18400	16.0	07/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/06/2018	ND	197	98.4	200	9.27	S-06
DRO >C10-C28*	2840	50.0	07/06/2018	ND	210	105	200	5.81	S-06
EXT DRO >C28-C36	724	50.0	07/06/2018	ND					S-06

Surrogate: 1-Chlorooctane 89.6 % 41-142

Surrogate: 1-Chlorooctadecane 168 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 1' (H801824-17)

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	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTX	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	07/06/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	19.4	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 2' (H801824-18)

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	07/06/2018	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NORTH (H801824-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2018	ND	1.63	81.3	2.00	21.9		
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1		
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7		
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9		
Total BTEx	<0.300	0.300	07/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

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	07/06/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	<10.0	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 89.8 % 41-142

Surrogate: 1-Chlorooctadecane 93.0 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: EAST (H801824-20)

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	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTEx	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.8-142

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	07/06/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	<10.0	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 90.8 % 41-142

Surrogate: 1-Chlorooctadecane 93.1 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SOUTH (H801824-21)

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	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTEx	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.8-142

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	07/06/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	<10.0	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 87.1 % 37.6-147

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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: 07/05/2018
Reported: 07/09/2018
Project Name: MONUMENT 1 STATE #015
Project Number: NONE GIVEN
Project Location: CHEVRON - LEA CO NM

Sampling Date: 07/02/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST (H801824-22)

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	07/07/2018	ND	1.63	81.3	2.00	21.9	
Toluene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	20.1	
Ethylbenzene*	<0.050	0.050	07/07/2018	ND	1.63	81.6	2.00	18.7	
Total Xylenes*	<0.150	0.150	07/07/2018	ND	5.04	84.1	6.00	19.9	
Total BTEX	<0.300	0.300	07/07/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/06/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2018	ND	197	98.4	200	9.27	
DRO >C10-C28*	<10.0	10.0	07/06/2018	ND	210	105	200	5.81	
EXT DRO >C28-C36	<10.0	10.0	07/06/2018	ND					

Surrogate: 1-Chlorooctane 88.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



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

1083

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		State: NM Zip: 88241		Attn: <i>Gitkey</i>																											
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																											
Project #:		Project Owner: <i>Chewson</i>		City:																											
Project Name: Monument 1 State #015				State: Zip:																											
Project Location: Lea County, NM				Phone #:																											
Sampler Name: Price Brunson				Fax #:																											
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													
<i>H801824</i>																															
1	SP1 @ SURFACE	G	1			✓				✓			7/2/18	8:15 AM	✓	✓	✓														
2	SP1 @ 1'	G	1			✓				✓			7/2/18	8:25 AM	✓	✓	✓														
3	SP1 @ 2'	G	1			✓				✓			7/2/18	8:35 AM	✓																
4	SP2 @ SURFACE	G	1			✓				✓			7/2/18	8:45 AM	✓	✓	✓														
5	SP2 @ 1'	G	1			✓				✓			7/2/18	8:55 AM	✓	✓	✓														
6	SP2 @ 2'	G	1			✓				✓			7/2/18	9:10 AM	✓																
7	SP3 @ SURFACE	G	1			✓				✓			7/2/18	9:20 AM	✓	✓	✓														
8	SP3 @ 1'	G	1			✓				✓			7/2/18	9:30 AM	✓	✓	✓														
9	SP3 @ 2'	G	1			✓				✓			7/2/18	9:45 AM	✓																
10	SP4 @ SURFACE	G	1			✓				✓			7/2/18	10:00 AM	✓	✓	✓														

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Relinquished By:	Date: <i>7/2/18</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Price Brunson</i>	Time: <i>5:00pm</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>7-5-18</i>	Received By:	REMARKS:	
	Time: <i>11:05</i>	<i>Jamara Olden</i>		
Delivered By: (Circle One)	<i>4.9c</i>	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:	<i>Corrected 4.85c</i>	Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>10-#15</i>	
		<input type="checkbox"/> No <input type="checkbox"/> No	<i>Has some headspace.</i>	

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


CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH EXT</div> </div>											
Address: P.O. Box 805				Company: BBC															
City: Hobbs State: NM Zip: 88241				Attn: Gilkey															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Chevron				City:															
Project Name: Monument 1 State #015				State: Zip:															
Project Location: Lea County, NM				Phone #:															
Sampler Name: Price Brunson				Fax #:															
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					
H801824																			
11	SP4 @ 1'	G	1			✓					✓		7/2/18	10:15 AM	✓	✓	✓		
12	SP4 @ 2'	G	1			✓					✓		7/2/18	10:30 AM	✓				
13	SP5 @ SURFACE	G	1			✓					✓		7/2/18	10:45 AM	✓	✓	✓		
14	SP5 @ 1'	G	1			✓					✓		7/2/18	10:55 AM	✓	✓	✓		
15	SP5 @ 2'	G	1			✓					✓		7/2/18	11:00 AM	✓				
16	SP6 @ SURFACE	G	1			✓					✓		7/2/18	11:15 AM	✓	✓	✓		
17	SP6 @ 1'	G	1			✓					✓		7/2/18	11:25 AM	✓	✓	✓		
18	SP6 @ 2'	G	1			✓					✓		7/2/18	11:30 AM	✓				
19	NORTH	G	1			✓					✓		7/2/18	11:45 AM	✓	✓	✓		
20	EAST	G	1			✓					✓		7/2/18	11:50 AM	✓	✓	✓		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 7/2/18	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 5:00p		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 7-5-18	Received By:	REMARKS:	
	Time: 11:05			
Delivered By: (Circle One)	4.9c	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:	Corrected 4.85c	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)	
		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	40 #75	

Has some head space

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

[illegible]

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Price Brunson</i>		Date: <i>2/2/18</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <i>5:00pm</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date: <i>7-5-18</i>	Received By: <i>Tamara Oldaker</i>	REMARKS:	
		Time: <i>11:05</i>			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)	
<i>4.9°C</i>		<input type="checkbox"/> Yes <input type="checkbox"/> No		<i>TO #25</i>	
<i>Corrected 4.85°C</i>		<input type="checkbox"/> Yes <input type="checkbox"/> No		<i>Nas some head space</i>	

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Chevron USA Inc.	Contact: Josepha DeLeon
Address: 6301 Deauville Blvd., Midland, TX 79706	Telephone No.: 575-263-0424
Facility Name: Monument 1 State No. 015	Facility Type: Oil Well
Surface Owner: State	Mineral Owner: State
API No: 30-025-34167	

LOCATION OF RELEASE

Unit Letter F	Section 12	Township 19S	Range 36E	Feet from the 1650	North/South Line South	Feet from the 2310	East/West Line West	County Lea
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Latitude 32.6868553 Longitude -103.3088837 NAD83

Poly Flow Line Leak GPS - Lat N 32.67695 Lon W 103.30913, well closest to leak is the Monument 12-11, 200 yards north

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 0.77 Barrel Oil and 30.51 Barrels produced water	Volume Recovered: 0.4 Barrel Oil and 3 Barrels produced water
Source of Release: Poly Flow Line	Date and Hour of Occurrence: 05/31/2018; 07:00 AM	Date and Hour of Discovery: 05/31/2018; 07:00 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Maxey Brown, Olivia Yu	
By Whom? Josepha DeLeon	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.*
N/A



Describe Cause of Problem and Remedial Action Taken.*

Spill from the poly flow line. Lease was immediately isolated.

Describe Area Affected and Cleanup Action Taken.*

Fluid spilled to field. Vacuum truck extracted fluid and recovered 0.40 barrel oil and 3 barrels produced water. Remediation plan will be submitted.

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: HES Specialist – Compliance Support, Environmental	Approval Date: 6/14/2018	Expiration Date:	
E-mail Address: jdx@chevron.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>	
Date: June 12, 2018	Phone: 575-263-0424		

* Attach Additional Sheets If Necessary

1RP-5093

nOY1816554389

pOY1816554612

RECEIVED

By Olivia Yu at 2:58 pm, Jun 14, 2018

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 6/13/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-5093 has been assigned. **Please refer to this case number in all future correspondence.**

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

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

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 7/14/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

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

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

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

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

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

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

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

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us