

Closure Report

RECEIVED

APR 08 2013

Site Description

NMOCD ARTESIA

Site Name:	Government D #4
Company:	Chevron USA, Inc.
Legal Description:	U/L G, Section 1, T21S, R27E
County:	Eddy County, NM
GPS Coordinates:	N 32.51812° W 104.14147°

Release Data

Date of Release:	12/03/2012
Type of Release:	Produced Water
Source of Release:	Hole in the discharge
Volume of Release:	90 bbls
Volume Recovered:	70 bbls

Remediation Specifications

Remediation Parameters:	Excavated impacted soils in the areas of SP1, SP2, and SP3 to a depth of 2 feet. In the area around SP4, the excavation was to 5' in depth then a compacted clay liner was installed. In the areas depicted on the drawing by SP5, SP6, SP7, SP8, and SP9, the soil was excavated to a depth of 1.5'. Confirmation sidewall samples were taken from the 5 foot excavation around SP4 and analyzed for TPH, BTEX, and Chloride. The site was backfilled with clean soil.
Remediation Activities:	Completed

Plan Sent to OCD:	01/16/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/16/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	Not required	Not required
BLM Approval of Plan:	Not required	Not required

Supporting Documentation

Site Diagram	December, 2012
Groundwater Plot	25'-50'
TOPO Maps	December, 2012
Lab Summary	12/06/2012 thru 12/10/2012, 02/13/2013
Lab Analysis	12/06/2012 thru 12/10/2012, 02/13/2013
Initial C-141	Signed and sent on 12/11/2012
Final C-141	Signed and sent on 03/07/13
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

04/04/2013

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

RECEIVED

APR 08 2013

NMOCD ARTESIA

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Chevron USA Inc.	Contact	Bradley Blevins
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 391-1462
Facility Name	Government D #4	Facility Type	Well location
Surface Owner	Mineral Owner	Lease No. API#30-015-24921	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	1	21S	27E	1554	North	1980	East	Eddy County, NM

Latitude N 32.51812° Longitude W 104.14147°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	90 bbls	Volume Recovered	70 bbls
Source of Release	Hole in the discharge	Date and Hour of Occurrence	12/03/2012 @ 2:00 pm	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD		
By Whom?	Cliff Brunson for Bradley Blevins	Date and Hour	12/03/2012 @ 4:17 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A hole in the discharge caused 90 bbls of produced water to leak onto the ground. 70 bbls of produced water were recovered via vacuum truck. The hole was repaired.

Describe Area Affected and Cleanup Action Taken.*

A hole in the discharge caused 90 bbls of produced water to leak onto the ground. 70 bbls of produced water were recovered via vacuum truck. Further remediation will be performed in accordance with a NMOCD-approved remediation plan.

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.

OIL CONSERVATION DIVISION

Signature: <i>Bradley Blevins</i>	Approved by District Supervisor:		
Printed Name: Bradley Blevins	Approval Date:	Expiration Date:	
Title: HES Specialist	Conditions of Approval:		Attached <input type="checkbox"/>
E-mail Address: Bradley.blevins@chevron.com			
Date: 12/11/12	Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary

District I
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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Chevron USA Inc.	Contact	Bradley Blevins
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 391-1462
Facility Name	Government D #4	Facility Type	Well location

Surface Owner	Mineral Owner	Lease No.	API#30-015-24921
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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
G	1	21S	27E	1554	North	1980	East	Eddy County, NM

Latitude N 32.51812° Longitude W 104.14147°

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By Whom?	Cliff Brunson for Bradley Blevins	Date and Hour	12/03/2012 @ 4:17 pm		
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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.

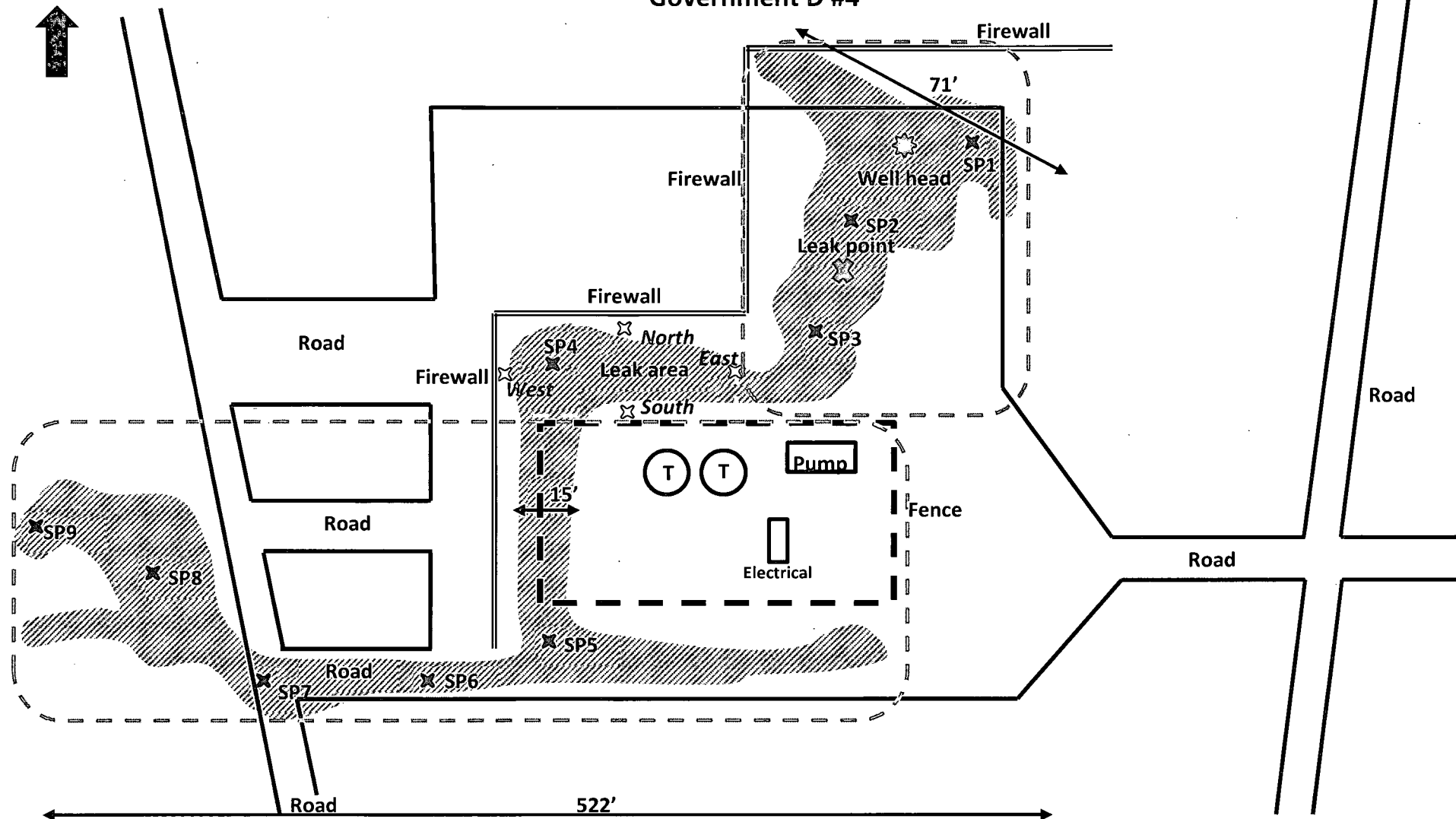
Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Bradley Blevins	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Bradley.blevins@chevron.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3/7/13	Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary



Chevron

Government D #4



U/L G, Section 1, T21S, R27E

1554' FNL and 1980' FEL

Eddy County, NM

GPS: N 32.51812° W 104.14147°

API# 30-015-24921

5' excavation w/ liner

2' excavation

1.5' excavation

Sidewall confirmation sample

BBC International, Inc.

Chevron

Government D #4

Date: 12/11/12

DRWG by: K. Purvis

NOT TO SCALE

File: Chevron 2012



Groundwater Plot

Chevron Government D #4

County
Eddy

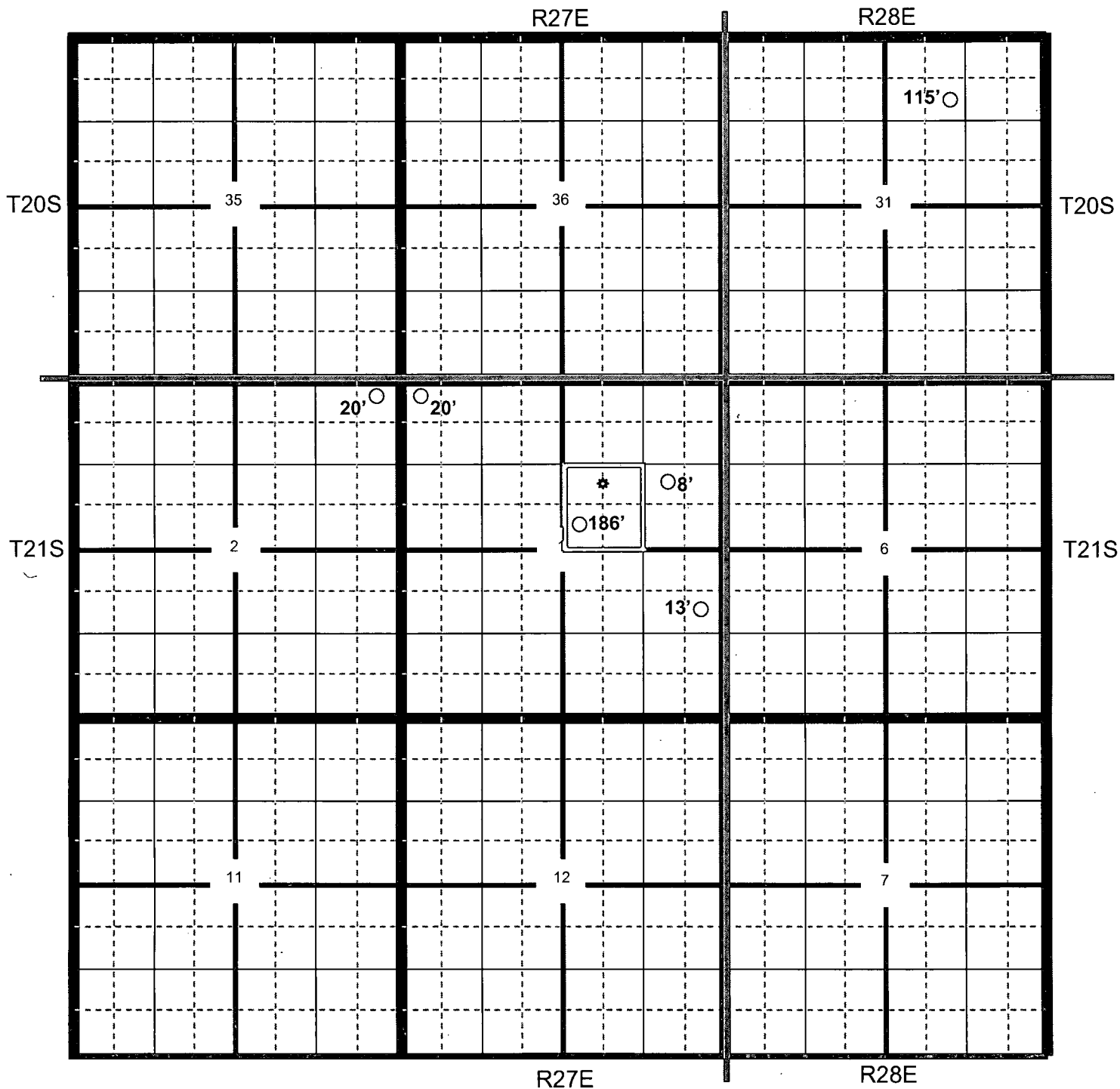
Unit Letter
G

Section
1

Township
21S

Range
27E

Trend Map <50'



* Location

○ OCD

○ USGS

○ SEO

● All Databases

Section Quarters

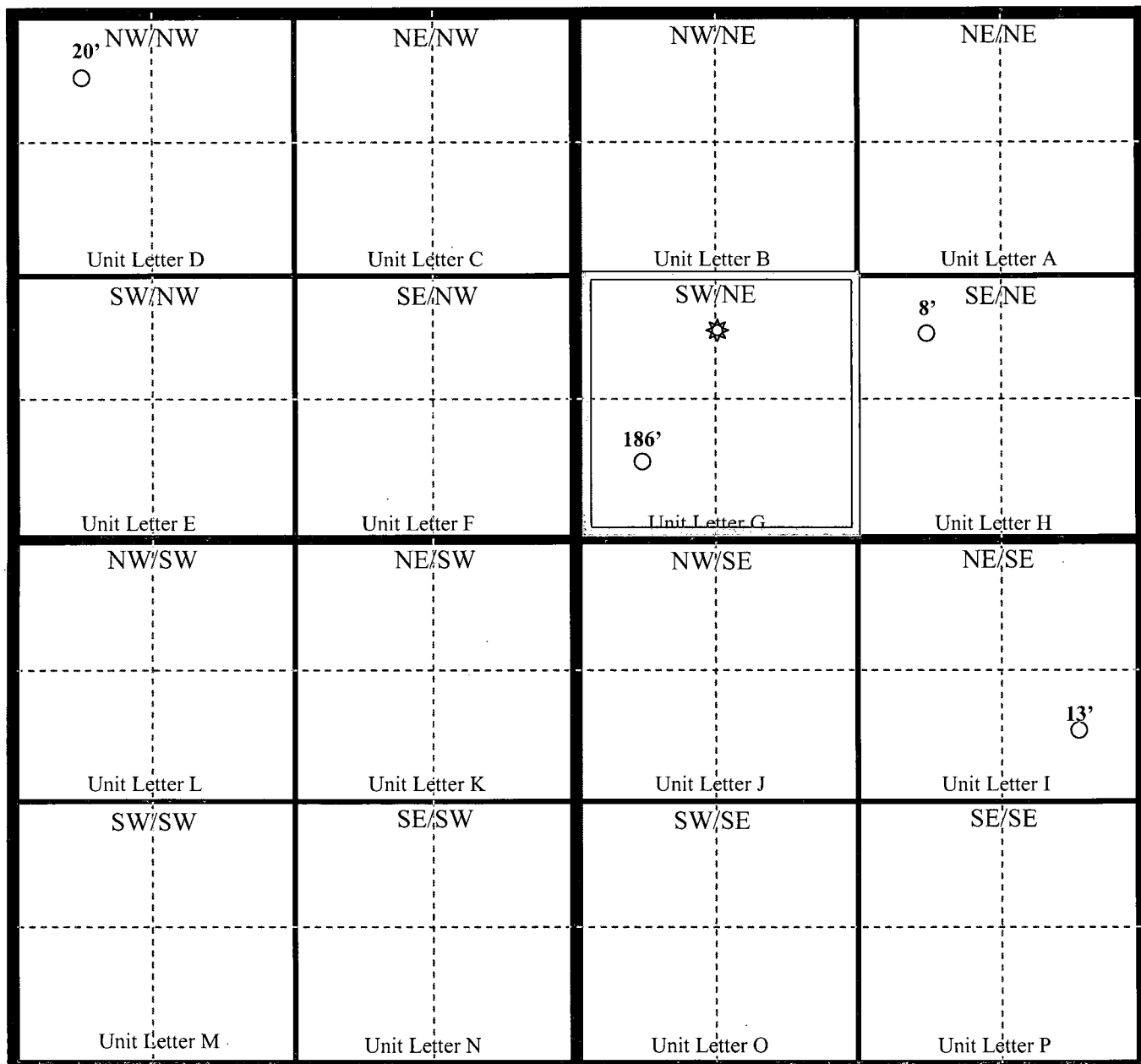
Chevron Government D #4

County	Unit Letter	Section	Township	Range
Eddy	G	1	21S	27E

Trend Map <50'

1

2



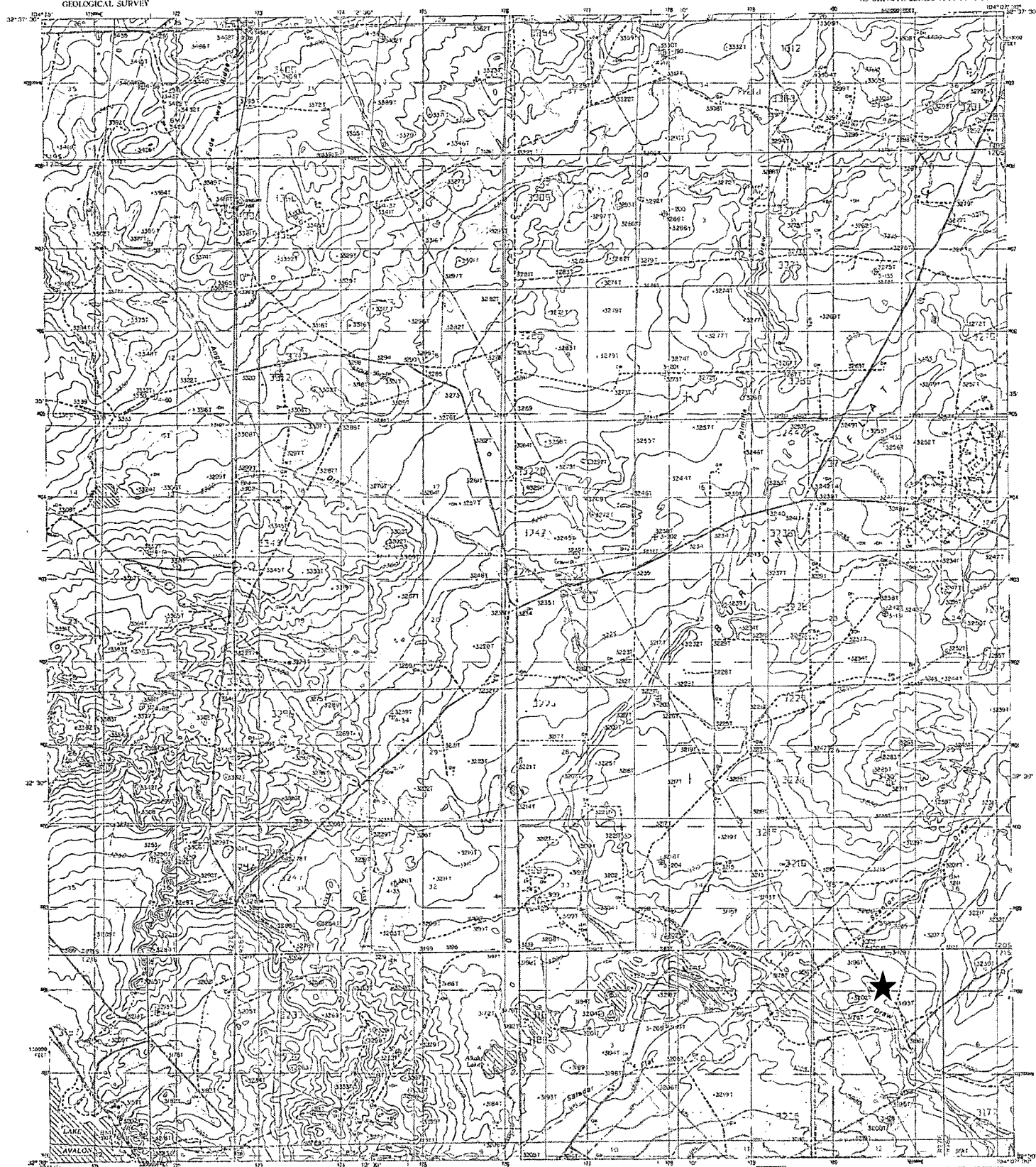
3

4

Government D #4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ANGEL DRAW QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

[illegible]

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check.

SCALE 1:24,000

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10,000

1 2 3 4 5 6 7 8 9 10

CONTOUR INTERVAL IN FEET

SUPPLEMENTAL CONTOUR INTERVAL 5 FEET

THIS MAP COMPLEIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

1	2	3	1. Case studies: Herb.
			2. About Comp.
4		5	3. About Comp. 12
			4. Case studies: Herb.
6	7	8	5. About Comp. 13
			6. Carried Over
			7. Carried Over
			8. Index Plan

ROAD LEGEND

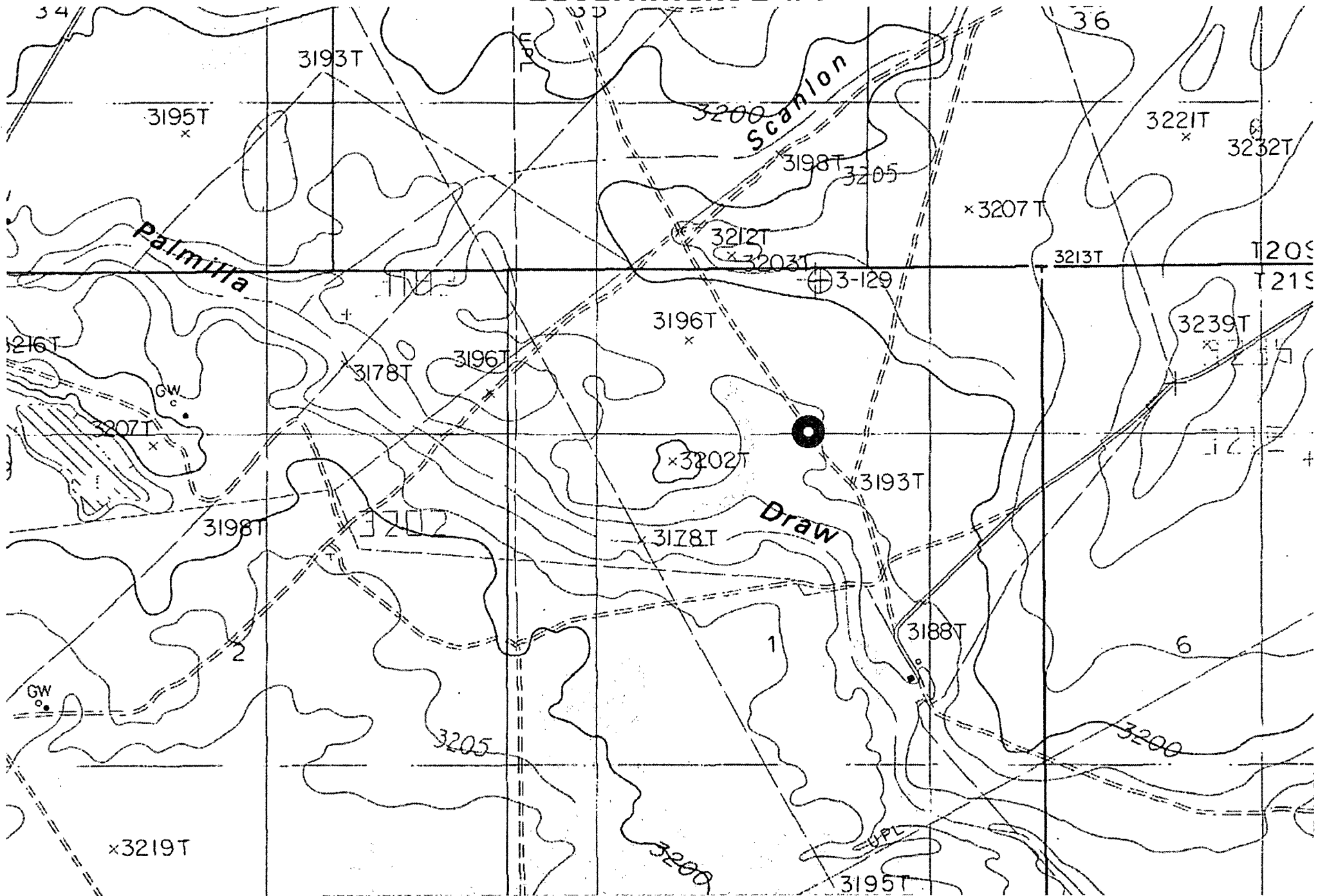
Improved Road	
Unimproved Road	
Trail	

() Interstate Route □ U.S. Route ○ State Route

ANGEL DRAW, NEW MEXICO
PROVISIONAL EDITION 1985
7234-EXT-024

Chevron

Government D #4



**Laboratory Analytical Results Summary
Government D #4**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 4'
Analyte	Method	Date	12/6/12	12/6/12	12/6/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a
Chloride	SM4500Cl-B		30400	1730	192
GRO	TPH 8015M		n/a	<10.0	n/a
DRO	TPH 8015M		n/a	<10.0	n/a

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'
Analyte	Method	Date	12/6/12	12/6/12	12/6/12	12/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		32000	6560	736	192
GRO	TPH 8015M		n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a

		Sample	SP3 @ SURFACE	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	12/6/12	12/6/12	12/6/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a
Chloride	SM4500Cl-B		50400	576	112
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 3'	SP4 @ 6'	SP4 @ 9'	SP4 @ 11'
Analyte	Method	Date	12/6/12	12/7/12	12/7/12	12/7/12	12/7/12	12/7/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		58400	6000	2360	3720	5000	80
GRO	TPH 8015M		n/a	<50.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	3070	n/a	n/a	n/a	n/a

**Laboratory Analytical Results Summary
Government D #4**

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 3'
Analyte	Method	Date	12/7/12	12/7/12	12/7/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a
Chloride	SM4500Cl-B		45200	336	112
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	12/7/12	12/7/12	12/7/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a
Chloride	SM4500Cl-B		16800	176	96
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

		Sample	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 3'
Analyte	Method	Date	12/7/12	12/10/12	12/10/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a
Chloride	SM4500Cl-B		18000	944	128
GRO	TPH 8015M		n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a

		Sample	SP8 @ SURFACE	SP8 @ 1'	SP8 @ 2'
Analyte	Method	Date	12/10/12	12/10/12	12/10/12
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a
Chloride	SM4500Cl-B		1060	800	144
GRO	TPH 8015M		n/a	<10.0	n/a
DRO	TPH 8015M		n/a	<10.0	n/a

**Laboratory Analytical Results Summary
Government D #4**

		Sample	NORTH SIDEWALL @ 5'	EAST SIDEWALL @ 5'	SOUTH SIDEWALL @ 5'	WEST SIDEWALL @ 5'
Analyte	Method	Date	2/13/13	2/13/13	2/13/13	2/13/13
			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		128	112	96	96
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



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

December 17, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GOVERNMENT D #4

Enclosed are the results of analyses for samples received by the laboratory on 12/11/12 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 1 @ SURFACE (H202969-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30400	16.0	12/14/2012	ND	416	104	400	3.92	

Sample ID: SP 1 @ 1' (H202969-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2012	ND	2.07	104	2.00	12.6		
Toluene*	<0.050	0.050	12/14/2012	ND	2.28	114	2.00	11.9		
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.22	111	2.00	12.2		
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.64	111	6.00	12.8		
Total BTEX	<0.300	0.300	12/14/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	12/14/2012	ND	416	104	400	3.92		

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	12/12/2012	ND	176	87.8	200	4.15		
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50		

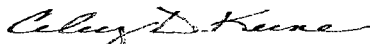
Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 1 @ 4' (H202969-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/14/2012	ND	416	104	400	3.92		

Sample ID: SP 2 @ SURFACE (H202969-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32000	16.0	12/14/2012	ND	416	104	400	3.92		

Sample ID: SP 2 @ 1' (H202969-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	12/14/2012	ND	416	104	400	3.92		

Sample ID: SP 2 @ 3' (H202969-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	12/14/2012	ND	416	104	400	3.92		

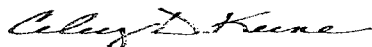
Sample ID: SP 2 @ 5' (H202969-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/14/2012	ND	416	104	400	3.92		

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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: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 3 @ SURFACE (H202969-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	12/14/2012	ND	416	104	400	3.92	

Sample ID: SP 3 @ 2' (H202969-09)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/14/2012	ND	416	104	400	3.92	

Sample ID: SP 3 @ 3' (H202969-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/14/2012	ND	416	104	400	3.92	

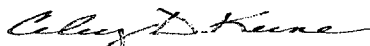
Sample ID: SP 4 @ SURFACE (H202969-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	58400	16.0	12/14/2012	ND	432	108	400	0.00	

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Analytical Results For:

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 Received: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/07/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 4 @ 1' (H202969-12)

BTEx 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2012	ND	1.90	94.8	2.00	7.49		
Toluene*	<0.050	0.050	12/14/2012	ND	2.07	103	2.00	8.00		
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.01	101	2.00	8.89		
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.13	102	6.00	8.54		
Total BTEX	<0.300	0.300	12/14/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/14/2012	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	<50.0	50.0	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	3070	50.0	12/12/2012	ND	190	95.1	200	4.50	

Surrogate: 1-Chlorooctane 83.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

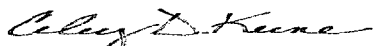
Sample ID: SP 4 @ 3' (H202969-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	12/14/2012	ND	432	108	400	0.00		

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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: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/07/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 4 @ 6' (H202969-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 4 @ 9' (H202969-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5000	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 4 @ 11' (H202969-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/14/2012	ND	432	108	400	0.00		

Sample ID: SP 5 @ SURFACE (H202969-17)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	45200	16.0	12/14/2012	ND	432	108	400	0.00		

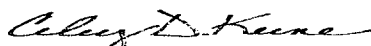
Sample ID: SP 5 @ 1' (H202969-18)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/14/2012	ND	432	108	400	0.00		

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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: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/07/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 5 @ 3' (H202969-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 6 @ SURFACE (H202969-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 6 @ 1' (H202969-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 6 @ 2' (H202969-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/14/2012	ND	432	108	400	0.00	


Sample ID: SP 7 @ SURFACE (H202969-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	12/14/2012	ND	432	108	400	0.00	

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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: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 7 @ 1' (H202969-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 7 @ 3' (H202969-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 8 @ SURFACE (H202969-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	12/14/2012	ND	432	108	400	0.00	

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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: 12/11/2012
 Reported: 12/17/2012
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 12/10/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 8 @ 1' (H202969-27)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2012	ND	1.90	94.8	2.00	7.49	
Toluene*	<0.050	0.050	12/14/2012	ND	2.07	103	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.01	101	2.00	8.89	
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.13	102	6.00	8.54	
Total BTEX	<0.300	0.300	12/14/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/14/2012	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

Surrogate: 1-Chlorooctane 85.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

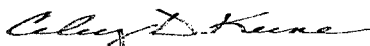
Sample ID: SP 8 @ 2' (H202969-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/14/2012	ND	432	108	400	0.00	

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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: 12/11/2012
Reported: 12/17/2012
Project Name: GOVERNMENT D #4
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 12/10/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP 9 @ SURFACE (H202969-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	12/14/2012	ND	432	108	400	0.00	

Sample ID: SP 9 @ 1' (H202969-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/14/2012	ND	432	108	400	0.00	

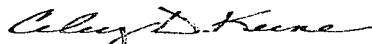
Sample ID: SP 9 @ 2' (H202969-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/14/2012	ND	400	100	400	3.92	

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

#26

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

214

Page 13 of 15

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: 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</div> </div>															
Address: P.O. Box 805				Company:																			
City: Hobbs		State: NM		Zip: 88241		Attn:																	
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																			
Project #:		Project Owner: Chesapeake/Chenoweth		City:																			
Project Name: Government D #4				State:																Zip:			
Project Location: Carlsbad				Phone #:																			
Sampler Name: Jeff Ornelas				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		# CONTAINERS		MATRIX						PRESERV		SAMPLING									
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME							
H207969-				9																			
11		SP 4 @ Surface																					
12		SP 4 @ 1'																					
13		SP 4 @ 3'																					
14		SP 4 @ 6'																					
15		SP 4 @ 9'																					
16		SP 4 @ 11'																					
17		SP 5 @ Surface																					
18		SP 5 @ 1'																					
19		SP 5 @ 3'																					

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Relinquished By:		Date: 12-11-12	Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 11:15			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:	Received By:		REMARKS:			
		Time:						
Delivered By: (Circle One)			Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:			Cool / Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) Cpk			
			-1.5°C					

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

#26



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

314

Page 14 of 15

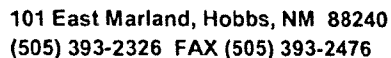
Company Name: BBC International, Inc.				BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:													
Address: P.O. Box 805				Company:													
City: Hobbs		State: NM Zip: 88241		Attn:													
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:													
Project #:		Project Owner: <i>Chesapeake/Churro</i>		City:													
Project Name: Government D #4				State: Zip:													
Project Location: <i>Carlsbad, NM</i>				Phone #:													
Sampler Name: <i>Jeff Ornelas</i>				Fax #:													
FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING							
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:			
				ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME					
<i>H202969-</i>																	
<i>20</i>		SP 6 @ Surface		<i>✓</i>													
<i>21</i>		SP 6 @ 1'		<i>✓</i>													
<i>22</i>		SP 6 @ 2'		<i>✓</i>													
<i>23</i>		SP 7 @ Surface		<i>✓</i>													
<i>24</i>		SP 7 @ 1'		<i>✓</i>													
<i>25</i>		SP 7 @ 3'		<i>✓</i>													
<i>26</i>		SP 8 @ Surface		<i>✓</i>													
<i>27</i>		SP 8 @ 1'		<i>✓</i>													
<i>28</i>		SP 8 @ 2'		<i>✓</i>													

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Relinquished By: <i>[Signature]</i>		Date: <i>12-11-12</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>11:15</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>		Date:	Received By:	REMARKS:	
Time:					
Delivered By: (Circle One)			Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>	

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Page 15 of 15

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#26

February 20, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GOVERNMENT D #4

Enclosed are the results of analyses for samples received by the laboratory on 02/13/13 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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: 02/13/2013
 Reported: 02/20/2013
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 02/13/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NORTH SIDE WALL @ 5 FT (H300415-01)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589		
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465		
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379		
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715		
Total BTEX	<0.300	0.300	02/19/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/19/2013	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: MS					

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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	

Surrogate: 1-Chlorooctane 73.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.2 % 63.6-154

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: 02/13/2013
 Reported: 02/20/2013
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 02/13/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EAST SIDE WALL @ 5 FT (H300415-02)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589	
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465	
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379	
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715	
Total BTEX	<0.300	0.300	02/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/19/2013	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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	

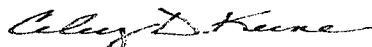
Surrogate: 1-Chlorooctane 67.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.1 % 63.6-154

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* = 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: 02/13/2013
Reported: 02/20/2013
Project Name: GOVERNMENT D #4
Project Number: NONE GIVEN
Project Location: CARLSBAD, NM

Sampling Date: 02/13/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH SIDE WALL @ 5 FT (H300415-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589		
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465		
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379		
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715		
Total BTEX	<0.300	0.300	02/19/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/19/2013	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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	

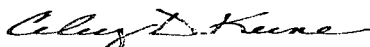
Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celest 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: 02/13/2013
 Reported: 02/20/2013
 Project Name: GOVERNMENT D #4
 Project Number: NONE GIVEN
 Project Location: CARLSBAD, NM

 Sampling Date: 02/13/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WEST SIDE WALL @ 5 FT (H300415-04)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2013	ND	2.38	119	2.00	0.589	
Toluene*	<0.050	0.050	02/19/2013	ND	2.33	117	2.00	0.465	
Ethylbenzene*	<0.050	0.050	02/19/2013	ND	2.27	113	2.00	0.379	
Total Xylenes*	<0.150	0.150	02/19/2013	ND	6.91	115	6.00	0.715	
Total BTEX	<0.300	0.300	02/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/19/2013	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

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	02/19/2013	ND	208	104	200	3.34	
DRO >C10-C28	<10.0	10.0	02/19/2013	ND	207	104	200	15.6	

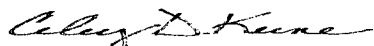
Surrogate: 1-Chlorooctane 71.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.5 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

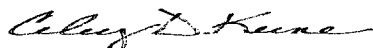
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>Company:</p> <p>Attn:</p> <p>Address:</p> <p>City:</p> <p>State:</p> <p>Zip:</p> <p>Phone #:</p> <p>Fax #:</p> </div> <div style="width: 50%; text-align: center;"> <p><i>Handwritten: B-Tex TPA</i></p> </div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs State: NM Zip: 88241				Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: CHEURON				City:															
Project Name: Government D#4				State:															
Project Location: CAS ESTAD				Zip:															
Sampler Name: GARY VAY				Phone #:															
Fax #:																			

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	PRESERV.		SAMPLING		DATE	TIME	CL	B-Tex	TPA
H300415	side	1AD	2/20/13																			
1	North	side	well @ 5ft	0	1		X											2-13-13	1:23pm	X	X	X
2	East	side	well @ 5ft	0	1		X											2-13-13	1:45pm	X	X	X
3	South	side	well @ 5ft	0	1		X											2-13-13	2:05pm	X	X	X
4	West	side	well @ 5ft	0	1		X											2-17-13	2:33pm	X	X	X

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>[Signature]</i>	2-13-13	<i>[Signature]</i>	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:				

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	<i>[Signature]</i>
	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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

#26

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Wednesday, January 16, 2013 4:19 PM
To: Cliff P. Brunson
Cc: Bradley Blevins; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Chevron-Government D #4-Remediation Plan

Reference: Chevron USA * Government D 4 * 30-015-24921 * G-1-21s-27e * Eddy County, New Mexico
NMOCD Reference Number: 2RP-1455 * Date of release: 12/3/12

Cliff,

Your proposal for remediation of the above referenced release is approved. The site is situated on Federal surface and may require like approval by BLM.

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.

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

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, January 16, 2013 2:40 PM
To: Bratcher, Mike, EMNRD
Cc: Bradley Blevins; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Chevron-Government D #4-Remediation Plan

Mike,

This e-mail is to confirm our discussion on January 14, 2013 concerning the remediation plan for the release that occurred at the Chevron Government D #4 tank battery. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Chevron will excavate impacted soils in the areas of SP1, SP2, and SP3 to a depth of 2 feet. In the area around SP4, the excavation will be 5 feet in depth then a compacted clay liner will be installed. In the areas depicted on the drawing by SP5, SP6, SP7, SP8, and SP9, the soil will be excavated to a depth of 1.5 feet. Confirmation sidewall samples will be taken from the 5 foot excavation around SP4 and analyzed for TPH, BTEX, and Chloride. These sample results will be forwarded to the OCD and discussed to obtain backfill approval. Once backfill approval is received, the site will be backfilled with clean soil. The depth to groundwater in this area is less than 50 feet.

If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Chevron and I thank you for your assistance in handling this matter.

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

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